

JOINT ENFORCEMENT AGREEMENT

Conserving and Protecting Marine Resources

A **Joint Enforcement Agreement (JEA)** between the New Hampshire Fish and Game Department's Law Enforcement Division and the National Oceanic and Atmospheric Administration's Office of Law Enforcement provides federal funding and resources for patrols, equipment, training and public outreach initiatives that help N.H. Conservation Officers enforce federal marine fisheries regulations.

The key is preventing and detecting marine violations. Through a combination of at-sea patrols, dockside inspections and public outreach, the JEA focuses on increasing voluntary compliance. It also encourages enforcement of state marine fisheries regulations in nearshore waters, including groundfish, lobster, striped bass and tuna patrols. This joint agreement improves our level of service to commercial harvesters and recreational anglers, as well as other coastal organizations and constituents. It significantly enhances Fish and Game's ability to conserve, manage and protect our marine fisheries resources for future generations.

Fixed Gear Harvesters — Prevent Whale Entanglement

One of the priorities of the JEA is expanding awareness of state and federal regulations now in effect to minimize whale entanglements in buoy lines and other fixed gear. The primary laws in place that affect fixed gear harvesters are as follows:

- **Vertical line marking:** Effective January 1, 2022 - One 3-foot yellow mark within 2 fathoms of buoy; and one 12-inch yellow mark in top 50% of buoy line; and one 12-inch yellow mark in bottom 50% of buoy line. Rules will change May 1 2022, contact NHFG Marine Division or fishnh.com for more information.

- **Weak rope or inserts:** Effective May 1, 2022 - NOAA approved weak rope or weak insert designs for lobster or crab gear vertical lines.
- **Weak links:** Weak links with a breaking strength of 1,100 pounds must be used **by gillnet gear seaward of harbor entrances.** Weak links must be placed as close as operationally feasible to each individual buoy, flotation, or weighted device.
- **Groundlines:** Groundlines between traps or gillnet panels shall be sinking for all gear set seaward of harbor entrances.

Examples of weak link and weak rope/inserts configurations:

- Weak links – required for gill nets only. Examples shown in images to the right.
- Weak rope/inserts – required for trap/pot gear - to view examples visit www.fisheries.noaa.gov/alwtrp



NOAA Photos

TIDE TABLES: PORTSMOUTH HARBOR



Tide charts provided by:
National Oceanic and Atmospheric Association

JANUARY 2022											
Date	HIGH				LOW				SUN		MOON Qtr.
	A.M.	Hgt.	P.M.	Hgt.	A.M.	Hgt.	P.M.	Hgt.	Rise	Set	
1	9:27	9.5	10:13	8.2	3:05	0.0	3:53	-1.2	7:12	4:16	●
2	10:22	9.8	11:09	8.3	4:01	-0.2	4:48	-1.4	7:12	4:17	●
3	11:18	9.9			4:56	-0.3	5:42	-1.5	7:12	4:18	●
4	12:03	8.4	12:12	9.8	5:50	-0.4	6:35	-1.4	7:12	4:19	●
5	12:57	8.4	1:06	9.6	6:45	-0.3	7:27	-1.2	7:12	4:20	●
6	1:50	8.3	2:01	9.2	7:40	-0.1	8:20	-0.8	7:12	4:21	●
7	2:44	8.2	2:57	8.7	8:37	0.2	9:13	-0.4	7:12	4:22	●
8	3:39	8.0	3:56	8.1	9:37	0.5	10:08	0.1	7:12	4:23	●
9	4:34	7.9	4:55	7.6	10:38	0.7	11:02	0.5	7:11	4:24	●
10	5:29	7.8	5:56	7.2	11:41	0.8	11:57	0.9	7:11	4:25	●
11	6:24	7.7	6:58	6.9			12:43	0.8	7:11	4:26	●
12	7:19	7.7	7:57	6.8	12:54	1.2	1:43	0.8	7:10	4:27	●
13	8:10	7.8	8:51	6.8	1:49	1.3	2:37	0.6	7:10	4:28	●
14	8:58	7.9	9:38	6.9	2:39	1.3	3:24	0.4	7:10	4:30	●
15	9:42	8.0	10:22	7.0	3:24	1.3	4:07	0.3	7:09	4:31	●
16	10:23	8.2	11:03	7.1	4:05	1.1	4:47	0.1	7:09	4:32	●
17	11:03	8.3	11:41	7.2	4:43	1.0	5:23	0.0	7:08	4:33	○
18	11:40	8.4			5:20	0.9	5:58	-0.1	7:07	4:35	○
19	12:17	7.3	12:15	8.4	5:56	0.8	6:32	-0.1	7:07	4:36	○
20	12:51	7.4	12:51	8.4	6:33	0.7	7:06	-0.2	7:06	4:37	○
21	1:25	7.5	1:28	8.3	7:12	0.6	7:42	-0.1	7:05	4:38	○
22	2:01	7.6	2:08	8.2	7:53	0.6	8:21	-0.1	7:05	4:40	○
23	2:41	7.8	2:53	8.0	8:39	0.5	9:04	0.1	7:04	4:41	○
24	3:24	7.9	3:44	7.7	9:30	0.4	9:51	0.2	7:03	4:42	○
25	4:13	8.1	4:40	7.5	10:25	0.4	10:43	0.4	7:02	4:44	○
26	5:07	8.2	5:43	7.3	11:25	0.3	11:40	0.6	7:01	4:45	○
27	6:06	8.4	6:51	7.2			12:31	0.1	7:00	4:46	○
28	7:10	8.6	8:00	7.3	12:44	0.6	1:39	-0.2	6:59	4:48	○
29	8:15	8.9	9:04	7.6	1:49	0.5	2:43	-0.5	6:58	4:49	○
30	9:16	9.2	10:02	7.9	2:52	0.2	3:42	-0.9	6:57	4:50	○
31	10:14	9.5	10:58	8.2	3:50	-0.1	4:37	-1.2	6:56	4:52	○

FEBRUARY 2022											
Date	HIGH				LOW				SUN		MOON Qtr.
	A.M.	Hgt.	P.M.	Hgt.	A.M.	Hgt.	P.M.	Hgt.	Rise	Set	
1	11:09	9.6	11:50	8.4	4:46	-0.3	5:30	-1.3	6:55	4:53	●
2			12:01	9.6	5:39	-0.5	6:19	-1.3	6:54	4:54	●
3	12:39	8.5	12:52	9.4	6:31	-0.5	7:06	-1.1	6:53	4:56	●
4	1:26	8.5	1:41	9.0	7:21	-0.4	7:52	-0.7	6:52	4:57	●
5	2:13	8.4	2:31	8.5	8:12	-0.1	8:39	-0.2	6:50	4:58	●
6	3:01	8.2	3:23	7.9	9:05	0.2	9:26	0.3	6:49	5:00	●
7	3:50	7.9	4:18	7.3	10:00	0.5	10:16	0.8	6:48	5:01	●
8	4:41	7.7	5:15	6.8	10:57	0.8	11:08	1.3	6:47	5:03	●
9	5:34	7.5	6:15	6.5	11:57	1.0			6:45	5:04	●
10	6:31	7.3	7:18	6.4	12:04	1.6	1:01	1.0	6:44	5:05	●
11	7:30	7.3	8:16	6.5	1:05	1.7	2:01	0.9	6:43	5:07	●
12	8:24	7.5	9:08	6.7	2:03	1.6	2:53	0.7	6:41	5:08	●
13	9:13	7.7	9:53	6.9	2:54	1.4	3:38	0.5	6:40	5:09	●
14	9:57	8.0	10:34	7.1	3:37	1.2	4:18	0.2	6:39	5:11	●
15	10:38	8.2	11:12	7.4	4:17	0.9	4:55	0.0	6:37	5:12	●
16	11:16	8.4	11:47	7.6	4:55	0.6	5:29	-0.2	6:36	5:13	○
17	11:52	8.6			5:33	0.4	6:03	-0.3	6:34	5:15	○
18	12:21	7.9	12:29	8.6	6:10	0.2	6:37	-0.4	6:33	5:16	○
19	12:55	8.1	1:06	8.5	6:50	0.0	7:13	-0.4	6:31	5:17	○
20	1:30	8.3	1:47	8.4	7:31	-0.1	7:52	-0.3	6:30	5:19	○
21	2:09	8.4	2:32	8.1	8:17	-0.2	8:35	-0.1	6:28	5:20	○
22	2:53	8.5	3:23	7.8	9:07	-0.1	9:24	0.2	6:26	5:21	○
23	3:44	8.4	4:21	7.4	10:03	0.0	10:18	0.5	6:25	5:23	○
24	4:41	8.3	5:26	7.1	11:05	0.1	11:19	0.8	6:23	5:24	○
25	5:45	8.3	6:38	7.0			12:14	0.2	6:22	5:25	○
26	6:55	8.3	7:51	7.2	12:28	0.9	1:27	0.0	6:20	5:27	○
27	8:06	8.6	8:55	7.5	1:39	0.7	2:34	-0.3	6:18	5:28	○
28	9:09	8.9	9:53	7.9	2:45	0.4	3:33	-0.6	6:17	5:29	○

TIDE TABLE TIME ADJUSTMENTS (HOURS:MINUTES)		
LOCATION	HIGH	LOW
Piscataqua River		
Dover Point	+1:11	+1:10
Salmon Falls River	+1:13	+1:35
Squamscott River	+1:57	+2:24
Hampton Harbor	-0:08	+0:15

Daylight Savings Time has been incorporated into these tables (in red).

Lunar Phases: ● = New ○ = Full
 ● = Last Quarter ○ = First Quarter

TIDE TABLES: PORTSMOUTH HARBOR

MARCH 2022											
Date	HIGH				LOW				SUN		MOON Qtr.
	A.M.	Hgt.	P.M.	Hgt.	A.M.	Hgt.	P.M.	Hgt.	Rise	Set	
1	10:06	9.1	10:44	8.3	3:43	0.0	4:25	-0.9	6:15	5:30	
2	10:59	9.3	11:32	8.5	4:37	-0.3	5:14	-1.0	6:13	5:32	●
3	11:48	9.2			5:28	-0.5	5:58	-0.9	6:12	5:33	
4	12:17	8.7	12:34	9.0	6:15	-0.6	6:41	-0.7	6:10	5:34	
5	12:59	8.7	1:19	8.7	7:01	-0.5	7:21	-0.3	6:08	5:36	
6	1:40	8.5	2:04	8.2	7:46	-0.3	8:02	0.2	6:07	5:37	
7	2:21	8.3	2:50	7.7	8:32	0.1	8:45	0.7	6:05	5:38	
8	3:04	8.0	3:40	7.2	9:20	0.4	9:30	1.1	6:03	5:39	
9	3:51	7.6	4:33	6.7	10:12	0.8	10:20	1.5	6:01	5:41	
10	4:43	7.3	5:31	6.4	11:08	1.1	11:15	1.8	6:00	5:42	◐
11	5:41	7.1	6:34	6.3			12:10	1.2	5:58	5:43	
12	6:43	7.1	7:36	6.4	12:17	2.0	1:15	1.2	5:56	5:44	
13	8:44	7.3	9:30	6.6	1:21	1.9	3:12	1.0	6:54	6:46	
14	9:38	7.5	10:17	6.9	3:17	1.6	4:00	0.7	6:52	6:47	
15	10:24	7.9	10:58	7.3	4:04	1.2	4:40	0.4	6:51	6:48	
16	11:06	8.2	11:35	7.7	4:46	0.8	5:17	0.1	6:49	6:49	
17	11:46	8.5			5:26	0.4	5:53	-0.2	6:47	6:50	
18	12:11	8.1	12:25	8.6	6:06	0.0	6:29	-0.4	6:45	6:52	○
19	12:46	8.5	1:04	8.7	6:46	-0.4	7:05	-0.5	6:44	6:53	
20	1:22	8.8	1:45	8.7	7:27	-0.6	7:44	-0.4	6:42	6:54	
21	2:01	9.0	2:28	8.5	8:11	-0.7	8:26	-0.3	6:40	6:55	
22	2:42	9.0	3:16	8.2	8:58	-0.7	9:12	0.0	6:38	6:56	
23	3:29	8.9	4:10	7.8	9:50	-0.5	10:04	0.4	6:36	6:58	
24	4:23	8.7	5:11	7.4	10:48	-0.2	11:03	0.7	6:34	6:59	
25	5:25	8.4	6:19	7.2	11:53	0.1			6:33	7:00	◐
26	6:34	8.2	7:32	7.1	12:08	1.0	1:03	0.2	6:31	7:01	
27	7:48	8.2	8:43	7.3	1:20	1.1	2:17	0.2	6:29	7:03	
28	8:59	8.3	9:45	7.7	2:34	0.9	3:22	0.0	6:27	7:04	
29	10:01	8.6	10:38	8.1	3:39	0.5	4:18	-0.3	6:25	7:05	
30	10:56	8.8	11:27	8.5	4:36	0.1	5:07	-0.4	6:24	7:06	
31	11:46	8.8			5:27	-0.3	5:52	-0.5	6:22	7:07	

APRIL 2022											
Date	HIGH				LOW				SUN		MOON Qtr.
	A.M.	Hgt.	P.M.	Hgt.	A.M.	Hgt.	P.M.	Hgt.	Rise	Set	
1	12:11	8.7	12:32	8.7	6:14	-0.5	6:34	-0.3	6:20	7:08	●
2	12:51	8.8	1:15	8.5	6:57	-0.5	7:13	-0.1	6:18	7:10	
3	1:29	8.8	1:57	8.2	7:39	-0.5	7:50	0.3	6:17	7:11	
4	2:06	8.6	2:38	7.9	8:19	-0.2	8:28	0.6	6:15	7:12	
5	2:44	8.4	3:20	7.5	9:00	0.1	9:07	1.0	6:13	7:13	
6	3:23	8.0	4:06	7.1	9:44	0.4	9:51	1.4	6:11	7:14	
7	4:08	7.7	4:56	6.8	10:32	0.8	10:39	1.7	6:09	7:16	
8	4:58	7.4	5:51	6.5	11:24	1.1	11:32	1.9	6:08	7:17	
9	5:55	7.2	6:49	6.4			12:21	1.3	6:06	7:18	◐
10	6:55	7.1	7:48	6.5	12:31	2.0	1:21	1.3	6:04	7:19	
11	7:56	7.2	8:44	6.8	1:33	1.9	2:19	1.1	6:03	7:20	
12	8:53	7.5	9:32	7.2	2:32	1.6	3:10	0.9	6:01	7:22	
13	9:43	7.8	10:14	7.7	3:24	1.2	3:53	0.5	5:59	7:23	
14	10:28	8.1	10:53	8.2	4:10	0.7	4:33	0.2	5:57	7:24	
15	11:12	8.4	11:31	8.7	4:54	0.1	5:12	-0.1	5:56	7:25	
16	11:55	8.6			5:37	-0.4	5:52	-0.3	5:54	7:26	○
17	12:10	9.1	12:39	8.7	6:20	-0.8	6:34	-0.3	5:52	7:28	
18	12:51	9.4	1:25	8.7	7:05	-1.1	7:18	-0.3	5:51	7:29	
19	1:34	9.6	2:13	8.5	7:52	-1.1	8:04	-0.1	5:49	7:30	
20	2:21	9.5	3:04	8.2	8:43	-1.0	8:55	0.2	5:48	7:31	
21	3:12	9.3	4:01	7.9	9:37	-0.7	9:51	0.5	5:46	7:32	
22	4:11	8.9	5:05	7.6	10:38	-0.4	10:53	0.8	5:44	7:34	
23	5:16	8.6	6:13	7.5	11:44	0.0			5:43	7:35	◐
24	6:27	8.3	7:22	7.5	12:02	1.0	12:53	0.2	5:41	7:36	
25	7:39	8.2	8:28	7.7	1:15	1.0	2:01	0.2	5:40	7:37	
26	8:47	8.2	9:27	8.0	2:26	0.8	3:03	0.2	5:38	7:38	
27	9:47	8.3	10:18	8.4	3:29	0.5	3:57	0.1	5:37	7:40	
28	10:40	8.3	11:03	8.6	4:24	0.1	4:44	0.1	5:35	7:41	
29	11:29	8.3	11:45	8.8	5:12	-0.1	5:27	0.2	5:34	7:42	
30			12:14	8.2	5:57	-0.3	6:07	0.4	5:32	7:43	●

MAY 2022											
Date	HIGH				LOW				SUN		MOON Qtr.
	A.M.	Hgt.	P.M.	Hgt.	A.M.	Hgt.	P.M.	Hgt.	Rise	Set	
1	12:24	8.8	12:56	8.0	6:38	-0.3	6:44	0.6	5:31	7:44	
2	1:01	8.7	1:36	7.8	7:17	-0.3	7:21	0.8	5:29	7:45	
3	1:36	8.6	2:15	7.6	7:55	-0.1	7:58	1.1	5:28	7:47	
4	2:13	8.3	2:55	7.3	8:34	0.2	8:36	1.3	5:27	7:48	
5	2:51	8.1	3:38	7.1	9:14	0.4	9:18	1.6	5:25	7:49	
6	3:34	7.8	4:25	6.9	9:59	0.7	10:04	1.8	5:24	7:50	
7	4:22	7.6	5:15	6.7	10:47	0.9	10:55	1.9	5:23	7:51	
8	5:14	7.4	6:07	6.7	11:37	1.1	11:49	1.9	5:22	7:52	◐
9	6:09	7.3	6:59	6.9			12:29	1.1	5:20	7:54	
10	7:05	7.3	7:51	7.2	12:46	1.8	1:22	1.0	5:19	7:55	
11	8:03	7.5	8:40	7.6	1:45	1.5	2:13	0.8	5:18	7:56	
12	8:57	7.7	9:25	8.1	2:41	1.1	3:02	0.6	5:17	7:57	
13	9:48	8.0	10:09	8.7	3:32	0.5	3:48	0.3	5:16	7:58	
14	10:37	8.2	10:52	9.2	4:20	-0.1	4:33	0.1	5:14	7:59	
15	11:26	8.4	11:37	9.6	5:08	-0.7	5:18	-0.1	5:13	8:00	
16			12:16	8.6	5:56	-1.1	6:06	-0.2	5:12	8:01	○
17	12:24	9.8	1:07	8.6	6:46	-1.3	6:55	-0.1	5:11	8:02	
18	1:13	9.9	1:59	8.5	7:37	-1.3	7:46	0.0	5:10	8:04	
19	2:05	9.8	2:54	8.3	8:30	-1.2	8:41	0.2	5:09	8:05	
20	3:01	9.5	3:53	8.1	9:27	-0.9	9:40	0.5	5:08	8:06	
21	4:02	9.1	4:57	7.9	10:28	-0.5	10:45	0.7	5:08	8:07	
22	5:07	8.7	6:01	7.9	11:31	-0.2	11:53	0.9	5:07	8:08	◐
23	6:15	8.4	7:04	7.9			12:34	0.1	5:06	8:09	
24	7:22	8.1	8:05	8.1	1:03	0.9	1:37	0.3	5:05	8:10	
25	8:27	7.9	9:01	8.3	2:11	0.8	2:36	0.4	5:04	8:11	
26	9:27	7.8	9:51	8.5	3:12	0.5	3:29	0.5	5:04	8:12	
27	10:20	7.8	10:36	8.6	4:06	0.2	4:16	0.6	5:03	8:12	
28	11:09	7.7	11:18	8.7	4:54	0.1	4:59	0.8	5:02	8:13	
29	11:54	7.7	11:57	8.6	5:38	0.0	5:40	0.9	5:02	8:14	
30			12:36	7.6	6:19	-0.1	6:18	1.1	5:01	8:15	●
31	12:35	8.6	1:16	7.5	6:57	0.0	6:56	1.2	5:00	8:16	

JUNE 2022											
Date	HIGH				LOW				SUN		MOON Qtr.
	A.M.	Hgt.	P.M.	Hgt.	A.M.	Hgt.	P.M.	Hgt.	Rise	Set	
1	1:12	8.5	1:55	7.3	7:34	0.1	7:33	1.4	5:00	8:17	
2	1:49	8.3	2:33	7.2	8:12	0.3	8:11	1.5	4:59	8:18	
3	2:27	8.2	3:13	7.1	8:50	0.4	8:51	1.6	4:59	8:18	
4	3:07	8.0	3:56	7.0	9:31	0.6	9:35	1.7	4:59	8:19	
5	3:51	7.8	4:40	7.0	10:14	0.7	10:22	1.7	4:58	8:20	
6	4:38	7.7	5:26	7.1	10:58	0.7	11:13	1.7	4:58	8:21	
7	5:28	7.6	6:12	7.3	11:44	0.8			4:58	8:21	◐
8	6:20	7.5	7:00	7.6	12:06	1.5	12:32	0.8	4:57	8:22	
9	7:16	7.5	7:49	8.0	1:01	1.2	1:22	0.7	4:57	8:22	
10	8:14	7.6	8:39	8.5	1:59	0.8	2:14	0.6	4:57	8:23	
11	9:11	7.8	9:29	9.0	2:55	0.3	3:06	0.4	4:57	8:24	
12	10:06	8.0	10:19	9.5	3:50	-0.3	3:58	0.2	4:57	8:24	
13	11:00	8.2	11:10	9.8	4:42	-0.8	4:49	0.1	4:57	8:25	
14	11:55	8.3			5:35	-1.1	5:42	-0.1	4:57	8:25	○
15	12:03	10.0	12:50	8.4	6:29	-1.3	6:36	-0.1	4:57	8:26	
16	12:57	10.1	1:45	8.5	7:23	-1.4	7:32	0.0	4:57	8:26	
17	1:53	9.9	2:41	8.4	8:18	-1.2	8:28	0.1	4:57	8:26	
18	2:50	9.6	3:39	8.3	9:14	-1.0	9:28	0.3	4:57	8:27	
19	3:50	9.2	4:39	8.3	10:12	-0.7	10:32	0.5	4:57	8:27	
20	4:52	8.8	5:39	8.3	11:10	-0.3	11:37	0.6	4:57	8:27	◐
21	5:55	8.3	6:37	8.3			12:08	0.1	4:5		

TIDE TABLES: PORTSMOUTH HARBOR

JULY 2022											
Date	HIGH			LOW			SUN		MOON	Qtr.	
	A.M.	Hgt.	P.M.	Hgt.	A.M.	Hgt.	P.M.	Hgt.			Rise
1	1:28	8.3	2:11	7.2	7:50	0.3	7:48	1.4	5:01	8:28	
2	2:05	8.3	2:47	7.3	8:26	0.3	8:26	1.4	5:02	8:27	
3	2:43	8.2	3:25	7.3	9:02	0.4	9:07	1.4	5:02	8:27	
4	3:22	8.1	4:04	7.4	9:40	0.4	9:52	1.3	5:03	8:27	
5	4:06	7.9	4:46	7.6	10:21	0.5	10:40	1.2	5:04	8:27	
6	4:53	7.8	5:29	7.8	11:04	0.5	11:31	1.1	5:04	8:26	☾
7	5:43	7.6	6:15	8.1	11:50	0.6			5:05	8:26	
8	6:38	7.5	7:06	8.4	12:25	0.8	12:40	0.6	5:06	8:26	
9	7:38	7.5	8:00	8.7	1:23	0.5	1:35	0.6	5:06	8:25	
10	8:40	7.6	8:57	9.1	2:24	0.2	2:33	0.5	5:07	8:25	
11	9:41	7.7	9:54	9.5	3:24	-0.3	3:31	0.4	5:08	8:24	
12	10:40	8.0	10:51	9.8	4:22	-0.7	4:28	0.2	5:09	8:24	
13	11:38	8.2	11:48	10.0	5:18	-1.0	5:25	0.0	5:10	8:23	☽
14			12:35	8.4	6:14	-1.2	6:22	-0.2	5:11	8:22	
15	12:45	10.0	1:30	8.5	7:09	-1.3	7:18	-0.2	5:11	8:22	
16	1:41	9.9	2:24	8.6	8:02	-1.2	8:14	-0.1	5:12	8:21	
17	2:36	9.6	3:18	8.6	8:55	-1.0	9:12	0.0	5:13	8:20	
18	3:32	9.2	4:13	8.5	9:48	-0.6	10:11	0.2	5:14	8:19	
19	4:30	8.6	5:08	8.4	10:41	-0.2	11:12	0.4	5:15	8:19	
20	5:29	8.1	6:02	8.3	11:35	0.3			5:16	8:18	☾
21	6:29	7.6	6:57	8.2	12:13	0.6	12:29	0.8	5:17	8:17	
22	7:30	7.2	7:52	8.1	1:15	0.7	1:25	1.1	5:18	8:16	
23	8:31	7.0	8:46	8.0	2:17	0.8	2:22	1.4	5:19	8:15	
24	9:28	6.9	9:38	8.1	3:15	0.7	3:16	1.5	5:20	8:14	
25	10:20	7.0	10:25	8.1	4:06	0.6	4:05	1.5	5:21	8:13	
26	11:06	7.0	11:09	8.2	4:52	0.5	4:50	1.4	5:22	8:12	
27	11:50	7.1	11:50	8.3	5:35	0.4	5:31	1.3	5:23	8:11	
28			12:30	7.2	6:14	0.3	6:09	1.2	5:24	8:10	☀
29	12:29	8.4	1:07	7.3	6:50	0.2	6:47	1.1	5:25	8:09	
30	1:06	8.4	1:43	7.5	7:24	0.2	7:24	1.1	5:26	8:08	
31	1:42	8.4	2:17	7.6	7:57	0.2	8:01	1.0	5:27	8:07	

AUGUST 2022											
Date	HIGH			LOW			SUN		MOON	Qtr.	
	A.M.	Hgt.	P.M.	Hgt.	A.M.	Hgt.	P.M.	Hgt.			Rise
1	2:18	8.3	2:51	7.7	8:30	0.2	8:40	0.9	5:28	8:05	
2	2:55	8.2	3:27	7.9	9:06	0.2	9:23	0.8	5:29	8:04	
3	3:37	8.0	4:06	8.0	9:46	0.3	10:10	0.7	5:30	8:03	
4	4:23	7.8	4:50	8.2	10:29	0.4	11:01	0.6	5:32	8:02	
5	5:14	7.6	5:39	8.4	11:16	0.6	11:56	0.5	5:33	8:00	☾
6	6:10	7.4	6:33	8.5			12:09	0.7	5:34	7:59	
7	7:12	7.3	7:33	8.7	12:56	0.4	1:07	0.8	5:35	7:58	
8	8:19	7.4	8:36	9.0	2:01	0.2	2:10	0.7	5:36	7:56	
9	9:25	7.6	9:39	9.3	3:06	-0.1	3:14	0.5	5:37	7:55	
10	10:26	7.9	10:39	9.6	4:08	-0.5	4:15	0.2	5:38	7:53	
11	11:24	8.2	11:37	9.8	5:05	-0.8	5:13	-0.1	5:39	7:52	☽
12			12:19	8.5	5:59	-1.1	6:09	-0.3	5:40	7:51	
13	12:32	9.8	1:11	8.7	6:51	-1.1	7:04	-0.4	5:42	7:49	
14	1:26	9.7	2:01	8.8	7:41	-1.0	7:57	-0.4	5:43	7:48	
15	2:18	9.4	2:50	8.8	8:29	-0.8	8:50	-0.2	5:44	7:46	
16	3:09	8.9	3:40	8.7	9:17	-0.3	9:44	0.0	5:45	7:44	
17	4:03	8.4	4:30	8.4	10:06	0.2	10:41	0.3	5:46	7:43	
18	4:59	7.8	5:22	8.2	10:57	0.7	11:38	0.6	5:47	7:41	
19	5:56	7.3	6:16	7.9	11:50	1.2			5:48	7:40	☾
20	6:56	6.9	7:12	7.7	12:38	0.9	12:46	1.5	5:49	7:38	
21	7:57	6.7	8:10	7.7	1:40	1.0	1:45	1.7	5:51	7:37	
22	8:57	6.7	9:07	7.7	2:41	1.0	2:44	1.7	5:52	7:35	
23	9:50	6.8	9:57	7.9	3:36	0.9	3:37	1.6	5:53	7:33	
24	10:37	7.0	10:42	8.1	4:23	0.7	4:23	1.4	5:54	7:32	
25	11:19	7.2	11:24	8.3	5:05	0.5	5:04	1.2	5:55	7:30	
26	11:58	7.4			5:42	0.3	5:43	1.0	5:56	7:28	
27	12:03	8.4	12:34	7.7	6:17	0.2	6:20	0.8	5:57	7:27	☀
28	12:39	8.5	1:08	7.9	6:50	0.1	6:57	0.6	5:58	7:25	
29	1:15	8.5	1:41	8.1	7:22	0.0	7:34	0.4	6:00	7:23	
30	1:51	8.4	2:14	8.3	7:56	0.1	8:14	0.3	6:01	7:21	
31	2:30	8.3	2:50	8.4	8:33	0.1	8:56	0.2	6:02	7:20	

SEPTEMBER 2022											
Date	HIGH			LOW			SUN		MOON	Qtr.	
	A.M.	Hgt.	P.M.	Hgt.	A.M.	Hgt.	P.M.	Hgt.			Rise
1	3:12	8.1	3:31	8.5	9:13	0.3	9:44	0.2	6:03	7:18	
2	3:59	7.8	4:18	8.5	9:59	0.5	10:36	0.2	6:04	7:16	
3	4:53	7.6	5:11	8.5	10:50	0.7	11:34	0.3	6:05	7:14	☾
4	5:53	7.4	6:11	8.5	11:47	0.9			6:06	7:13	
5	6:58	7.2	7:16	8.6	12:37	0.3	12:50	0.9	6:07	7:11	
6	8:09	7.3	8:26	8.7	1:46	0.2	1:58	0.9	6:09	7:09	
7	9:16	7.6	9:31	9.0	2:55	0.0	3:06	0.6	6:10	7:07	
8	10:16	8.0	10:31	9.3	3:56	-0.3	4:07	0.2	6:11	7:05	
9	11:10	8.4	11:26	9.5	4:51	-0.6	5:04	-0.2	6:12	7:04	
10			12:01	8.7	5:42	-0.8	5:57	-0.4	6:13	7:02	☽
11	12:19	9.5	12:49	8.9	6:30	-0.8	6:48	-0.6	6:14	7:00	
12	1:09	9.3	1:34	9.0	7:15	-0.7	7:37	-0.5	6:15	6:58	
13	1:57	9.0	2:18	8.9	7:59	-0.3	8:26	-0.3	6:16	6:56	
14	2:45	8.5	3:03	8.7	8:43	0.1	9:14	0.0	6:18	6:54	
15	3:34	8.0	3:49	8.3	9:29	0.6	10:06	0.3	6:19	6:53	
16	4:26	7.5	4:39	8.0	10:17	1.1	11:00	0.7	6:20	6:51	
17	5:22	7.1	5:33	7.7	11:09	1.5	11:58	1.0	6:21	6:49	☾
18	6:20	6.7	6:30	7.5			12:06	1.8	6:22	6:47	
19	7:20	6.6	7:31	7.4	12:59	1.2	1:06	2.0	6:23	6:45	
20	8:20	6.6	8:30	7.5	2:01	1.3	2:08	1.9	6:24	6:43	
21	9:14	6.8	9:23	7.7	2:58	1.1	3:04	1.7	6:25	6:42	
22	10:01	7.1	10:10	8.0	3:46	0.9	3:51	1.3	6:27	6:40	
23	10:42	7.4	10:51	8.2	4:26	0.6	4:33	1.0	6:28	6:38	
24	11:20	7.8	11:31	8.4	5:03	0.4	5:12	0.6	6:29	6:36	
25	11:55	8.1			5:37	0.2	5:50	0.3	6:30	6:34	☀
26	12:09	8.5	12:29	8.4	6:11	0.1	6:28	0.0	6:31	6:32	
27	12:47	8.5	1:03	8.7	6:46	0.0	7:08	-0.2	6:32	6:31	
28	1:25	8.5	1:39	8.8	7:23	0.0	7:49	-0.3	6:33	6:29	
29	2:06	8.3	2:19	8.9	8:03	0.1	8:33	-0.3	6:35	6:27	
30	2:51	8.1	3:03	8.9	8:47	0.3	9:23	-0.2	6:36	6:25	

OCTOBER 2022											
Date	HIGH			LOW			SUN		MOON	Qtr.	
	A.M.	Hgt.	P.M.	Hgt.	A.M.	Hgt.	P.M.	Hgt.			Rise
1	3:41	7.8	3:54	8.8	9:36	0.6	10:18	0.0	6:37	6:23	
2	4:39	7.5	4:53	8.6	10:32	0.8	11:20	0.2	6:38	6:21	☾
3	5:43	7.3	5:58	8.4	11:34	1.0			6:39	6:20	
4	6:52	7.3	7:09	8.4	12:26	0.3	12:42	1.1	6:40	6:18	
5	8:02	7.5	8:20	8.5	1:36	0.3	1:53	0.9	6:42	6:16	
6	9:07	7.8	9:24	8.7	2:43	0.1	3:01	0.6	6:43	6:14	
7	10:03	8.2	10:22	8.9	3:42	-0.2	4:01	0.1	6:44	6:13	
8	10:53	8.6	11:14	9.0	4:34	-0.4	4:55	-0.3	6:45	6:11	
9	11:40	8.9			5:21	-0.4	5:45	-0.5	6:46	6:09	☽
10	12:04	9.0	12:24	9.1	6:06	-0.3	6:32	-0.6	6:47	6:07	
11	12:51	8.8	1:06	9.0	6:48	-0.1	7:17	-0.5	6:49	6:06	
12	1:36	8.5	1:46	8.9	7:29	0.2	8:01	-0.3	6:50	6:04	
13	2:20	8.1	2:27	8.6	8:10	0.6	8:45	0.0	6:51	6:02	
14	3:05	7.6	3:10	8.2	8:53	1.1	9:31	0.4	6:52	6:01	
15	3:53	7.2	3:57	7.9	9:38	1.5	10:22	0.8	6:54	5:59	
16	4:46	6.9	4:50	7.5	10:29	1.8	11:16	1.1	6:55	5:57	
17	5:42	6.7	5:47	7.3	11:25	2.0			6:56	5:56	☾
18	6:40	6.6	6:47	7.3	12:14	1.3	12:23	2.0	6:57	5:54	
19	7:37	6.7	7:46	7.3	1:12	1.3	1:24	1.9	6:58	5:52	
20	8:31	6.9	8:41	7.5	2:09	1.2	2:22	1.7	7:00	5:51	
21	9:18	7.3	9:30</								

TIDE TABLES: PORTSMOUTH HARBOR

NOVEMBER 2022											
Date	HIGH			LOW			SUN		MOON	Qtr.	
	A.M.	Hgt.	P.M.	Hgt.	A.M.	Hgt.	P.M.	Hgt.			Rise
1	5:37	7.5	5:50	8.4	11:26	1.0			7:15	5:33	☾
2	6:45	7.5	7:01	8.3	12:15	0.1	12:36	1.0	7:16	5:32	
3	7:51	7.8	8:10	8.3	1:23	0.2	1:48	0.8	7:18	5:30	
4	8:52	8.1	9:13	8.4	2:27	0.1	2:54	0.5	7:19	5:29	
5	9:46	8.5	10:10	8.4	3:24	0.0	3:52	0.1	7:20	5:28	
6	9:34	8.8	10:01	8.4	3:14	0.0	3:44	-0.3	6:22	4:27	
7	10:18	9.0	10:49	8.3	3:59	0.1	4:31	-0.5	6:23	4:25	
8	11:00	9.0	11:34	8.2	4:42	0.2	5:15	-0.5	6:24	4:24	☽
9	11:40	8.9			5:23	0.4	5:57	-0.4	6:25	4:23	
10	12:16	7.9	12:18	8.7	6:02	0.7	6:38	-0.2	6:27	4:22	
11	12:58	7.7	12:57	8.5	6:42	1.0	7:19	0.1	6:28	4:21	
12	1:40	7.4	1:38	8.2	7:22	1.3	8:01	0.4	6:29	4:20	
13	2:24	7.1	2:22	7.9	8:05	1.5	8:47	0.7	6:31	4:19	
14	3:12	6.9	3:11	7.6	8:52	1.8	9:36	0.9	6:32	4:18	
15	4:03	6.7	4:04	7.4	9:44	1.9	10:27	1.1	6:33	4:17	
16	4:56	6.7	5:00	7.3	10:39	1.9	11:19	1.2	6:35	4:16	☾
17	5:48	6.8	5:56	7.2	11:36	1.8			6:36	4:15	
18	6:39	7.1	6:51	7.3	12:11	1.1	12:33	1.6	6:37	4:14	
19	7:27	7.5	7:45	7.5	1:00	1.0	1:28	1.2	6:38	4:13	
20	8:11	7.9	8:34	7.7	1:47	0.8	2:18	0.7	6:40	4:13	
21	8:52	8.4	9:20	7.9	2:31	0.5	3:03	0.1	6:41	4:12	
22	9:33	8.9	10:06	8.2	3:14	0.3	3:48	-0.4	6:42	4:11	
23	10:15	9.3	10:52	8.3	3:57	0.1	4:33	-0.8	6:43	4:11	☀
24	10:59	9.6	11:40	8.4	4:41	0.0	5:20	-1.1	6:45	4:10	
25	11:46	9.7			5:28	-0.1	6:09	-1.2	6:46	4:09	
26	12:30	8.3	12:36	9.7	6:18	0.0	7:00	-1.1	6:47	4:09	
27	1:22	8.2	1:29	9.5	7:10	0.1	7:54	-0.9	6:48	4:08	
28	2:18	8.0	2:27	9.2	8:06	0.3	8:53	-0.6	6:49	4:08	
29	3:19	7.9	3:31	8.8	9:08	0.6	9:55	-0.3	6:50	4:07	
30	4:24	7.8	4:38	8.4	10:16	0.7	10:58	-0.1	6:51	4:07	☾

Daylight Savings Time has been incorporated into these tables (in red).

Lunar Phases: ☀ = New ☾ = Last Quarter
 ☽ = Full ☀ = First Quarter

TIDE TABLE TIME ADJUSTMENTS (HOURS:MINUTES)		
LOCATION	HIGH	LOW
Piscataqua River		
Dover Point	+1:11	+1:10
Salmon Falls River	+1:13	+1:35
Squamscott River	+1:57	+2:24
Hampton Harbor	-0:08	+0:15

POACHING LOBSTER IS A CRIME

Protect New Hampshire's natural resources.
 Report wildlife law violators.

24-HOUR HOTLINE: 1-800-344-4262

wildnh.com/ogt

OPERATION GAME THIEF
 Report Violators
 1-800-344-4262
 www.nhoge.org

DECEMBER 2022											
Date	HIGH			LOW			SUN		MOON	Qtr.	
	A.M.	Hgt.	P.M.	Hgt.	A.M.	Hgt.	P.M.	Hgt.			Rise
1	5:28	7.9	5:46	8.1	11:25	0.7			6:53	4:07	
2	6:31	8.0	6:54	7.9	12:01	0.1	12:35	0.6	6:54	4:06	
3	7:30	8.3	7:58	7.9	1:03	0.3	1:41	0.4	6:55	4:06	
4	8:24	8.5	8:55	7.8	2:00	0.4	2:39	0.1	6:56	4:06	
5	9:12	8.7	9:46	7.8	2:51	0.5	3:30	-0.2	6:57	4:06	
6	9:56	8.7	10:33	7.7	3:38	0.6	4:16	-0.3	6:58	4:05	
7	10:38	8.7	11:17	7.6	4:21	0.7	5:00	-0.3	6:59	4:05	☽
8	11:18	8.6	11:59	7.5	5:01	0.8	5:40	-0.2	7:00	4:05	
9	11:57	8.5			5:40	1.0	6:19	-0.1	7:01	4:05	
10	12:38	7.4	12:35	8.3	6:18	1.1	6:57	0.1	7:01	4:05	
11	1:17	7.2	1:13	8.2	6:57	1.2	7:35	0.3	7:02	4:05	
12	1:57	7.1	1:53	8.0	7:37	1.4	8:16	0.5	7:03	4:05	
13	2:39	7.0	2:36	7.7	8:20	1.5	8:58	0.6	7:04	4:06	
14	3:23	6.9	3:23	7.5	9:06	1.6	9:42	0.8	7:05	4:06	
15	4:09	7.0	4:13	7.3	9:57	1.6	10:28	0.9	7:05	4:06	
16	4:56	7.1	5:05	7.2	10:49	1.5	11:14	0.9	7:06	4:06	☾
17	5:43	7.3	6:00	7.1	11:44	1.3			7:07	4:07	
18	6:31	7.6	6:57	7.2	12:03	0.9	12:40	1.0	7:07	4:07	
19	7:21	8.0	7:53	7.4	12:55	0.8	1:36	0.5	7:08	4:07	
20	8:10	8.5	8:47	7.6	1:46	0.6	2:30	0.0	7:09	4:08	
21	8:58	9.0	9:39	7.9	2:37	0.4	3:21	-0.6	7:09	4:08	
22	9:47	9.4	10:30	8.1	3:27	0.1	4:11	-1.0	7:10	4:09	
23	10:38	9.7	11:22	8.3	4:17	-0.1	5:02	-1.3	7:10	4:09	☀
24	11:30	9.9			5:09	-0.3	5:54	-1.4	7:10	4:10	
25	12:15	8.4	12:23	9.9	6:02	-0.3	6:47	-1.4	7:11	4:10	
26	1:08	8.4	1:18	9.7	6:57	-0.3	7:40	-1.2	7:11	4:11	
27	2:03	8.3	2:15	9.3	7:54	-0.1	8:36	-0.9	7:11	4:12	
28	3:01	8.2	3:16	8.8	8:55	0.1	9:34	-0.5	7:12	4:12	
29	4:02	8.2	4:20	8.3	9:59	0.3	10:33	-0.1	7:12	4:13	☾
30	5:02	8.1	5:25	7.9	11:06	0.4	11:32	0.3	7:12	4:14	
31	6:02	8.1	6:31	7.5			12:14	0.5	7:12	4:15	



Tide charts provided by:

National Oceanic and Atmospheric Association

Source for 2022 Tide Tables: tidesandcurrents.noaa.gov

Tidal Region Mooring Regulations

The Pease Development Authority — Division of Ports and Harbors ("DPH") regulates moorings in N.H. tidal waters. DPH is the only agency that can permit moorings for use in the state's tidal waters.

A person may apply for a mooring in the following classifications: general use mooring, shorefront property mooring, commercial use mooring, and commercial mooring for hire. State agencies may apply for a non-revenue mooring permit. Applicants should refer to the N.H. Administrative Rules Pda 500—Moorings and Anchorages to determine what type of mooring permits they qualify for. The rules can be found on the DPH website at portofnh.org.

The mooring permit holder's last name (if an individual) or business name and mooring permit number must be on the mooring buoy in letters and numbers at least 2 inches high.

If no mooring is available, a mooring permit applicant may place his or her name on a wait list for the mooring area. A person may apply for more than one wait list area. Mooring permit applications and wait list applications may be obtained by contacting Pease Development Authority—Division of Ports and Harbors, 555 Market Street, Portsmouth, NH 03801. If you have questions, please call (603) 436-8500.