

## PART EIGHT: Safety Information



## Homeland Security

**B**oaters must be cautious and constantly aware of surroundings. It is now illegal to stop or anchor beneath bridges. Secure and lock your boat when not on-board and, when stored, disable the engine. Avoid restricted areas such as dams, power plants, etc. and observe all security zones, especially around military installations.

Naval Vessel Protection Zone – You must stay at least 100 yards away from any military vessel and maintain minimum steerage speed within 500 yards. Violators face quick and severe response, not more than 6 years in prison and not more than a \$250,000 fine.

You should report the following to the U.S. Coast Guard (see page 3 for telephone numbers):

- Suspicious persons conducting unusual activities near security areas, bridges, on or near the water.
- People establishing roadside stands near marinas and waterfront facilities.
- Unknown persons photographing or creating diagrams around power plants, under bridges, waterfront facilities or any other high risk areas.
- Unknown or suspicious persons loitering around waterfront areas.
- Suspicious persons attempting to borrow or rent watercraft
- Suspicious vendors attempting to sell or deliver merchandise or drop off packages in waterfront areas.

Safety and Security Zones - Boaters should not:

- Enter buoyed areas off of the Niantic Bay or Jordan Cove side of Dominion/Millstone Power Plant, Waterford, CT.
- Enter waters within 100 yards of any anchored U.S. Coast Guard vessel.
- Stop, moor, anchor or loiter beneath a bridge or approach within a 25-yard radius of any bridge foundation, support, stanchion, pier or abutment except as required for the direct, expeditious transit beneath a bridge.

## Helpful Internet Addresses

### **National Oceanic and Atmospheric Administration**

**(NOAA):** [www.noaa.gov](http://www.noaa.gov)

Print-on-Demand Charts and Historical Map and Chart Collections:

<http://www.nauticalcharts.noaa.gov/csdl/ctp/abstract.htm>

National Ocean Service Data Explorer (formerly Mapfinder):

<http://oceanservice.noaa.gov/dataexplorer/>

Chart No.1: Nautical Chart Symbols, Abbreviations and Terms:

<http://www.nauticalcharts.noaa.gov/mcd/chartno1.htm>

National Weather Service: [www.nws.noaa.gov](http://www.nws.noaa.gov)

Search and Rescue Satellite-Aided Tracking: [www.sarsat.noaa.gov](http://www.sarsat.noaa.gov)

Sunrise/Sunset Calculator:

<http://www.srb.noaa.gov/highlights/sunrise/sunrise.html>

National Ocean Service (NOS)

For a complete list of all NOS websites, go to:

<http://oceanservice.noaa.gov/>

Real time tide information: [www.co-ops.nos.noaa.gov/ports.html](http://www.co-ops.nos.noaa.gov/ports.html)

### **U.S. Coast Guard websites**

U.S. Coast Guard Local Notice to Mariners (by district):

[www.navcen.uscg.gov/](http://www.navcen.uscg.gov/)

U.S. Coast Guard Auxiliary: [www.cgaux.org](http://www.cgaux.org)

### **Other websites**

U.S. Power Squadrons: [www.usps.org](http://www.usps.org)

provides cooperative charting information & training

Maptech (for raster nautical charts): [www.maptech.com](http://www.maptech.com)

Print on Demand Charts: [www.oceangrafix.com](http://www.oceangrafix.com)

U.S. Army Corps of Engineers (provide information for navigable rivers, ports & channels: [www.usace.army.mil](http://www.usace.army.mil)

Connecticut Department of Motor Vehicles: [www.ct.gov/dmv](http://www.ct.gov/dmv)

Connecticut Harbormaster:

[www.ct.gov/dot/cwp/view.asp?A=1380&Q=259728](http://www.ct.gov/dot/cwp/view.asp?A=1380&Q=259728)

## Tides and Currents

Boaters should be familiar with the effects of the tides and currents in Long Island Sound and lower river reaches. This body of water, rises and falls every 12 hours, and vast amounts of water move through places like Race Point on the western tip of Fisher's Island, Plum Gut on Long Island and Hells Gate in New York on the western end of the Sound.

Strong winds accompanying a tide in the same general direction would tend to increase the tidal effect. Conversely, a tide flowing against a strong wind would be diminished in effect. It should be noted, though, that a wind contrary to a tide could create a hazardous condition with steep and confused waves.

### APPROXIMATE TIDAL DIFFERENCES (BASED ON OLD SAYBROOK)

at Stonington	less 1 hour, 43 minutes
at Noank	less 1 hour, 33 minutes
at Norwich	less 1 hour, 25 minutes
at New London	less 1 hour, 11 minutes
at Millstone Pt.	less 1 hour, 2 minutes
at Old Saybrook Jetty	see tide tables
at Duck Island	plus 7 minutes
at Madison	plus 12 minutes
at Falkner Island	plus 19 minutes
at Branford Harbor	plus 24 minutes
at New Haven Harbor	plus 25 minutes
at Milford Harbor	plus 26 minutes
at Bridgeport	plus 33 minutes
at Cos Cob Harbor	plus 38 minutes

### CONNECTICUT RIVER

at Essex	plus 28 minutes
at East Haddam	plus 1 hour, 31 minutes
at Portland	plus 2 hours, 40 minutes
at Hartford	plus 4 hours, 19 minutes

Remember, New London and Fisher's Island Sound tides occur before Old Saybrook. Bridgeport and Greenwich tides occur after Old Saybrook.

# 2012 TIDE TABLE - Old Saybrook

HIGH TIDE Predictions between 6 am and 7 pm\*

\*Adjusted for Daylight Savings Time

° = Full moon \* = New moon

NOTE: Low tide is approximately 6 hours preceding or following each time.

	JAN.	FEB.	MAR.	APR.	MAY	JUNE
1	4:28p	5:47p	5:08p	6:51a	6:59a	8:12a
2	5:29p	6:43p	6:07p	7:42a	7:51a	9:04a
3	6:04a	7:11a	6:35a	8:29a	8:40a	9:56a
4	6:55a	7:56a	7:22a	9:13a	9:28a	° 10:49a
5	7:41a	8:37a	8:05a	9:56a	° 10:17a	11:44a
6	8:23a	9:16a	8:45a	° 10:42a	11:09a	12:39p
7	9:03a	° 9:55a	9:26a	11:31a	12:02p	1:36p
8	9:42a	10:35a	° 10:08a	12:21p	12:57p	2:32p
9	° 10:21a	11:17a	10:53a	1:13p	1:54p	3:28p
10	11:00a	12:02p	11:41a	2:09p	2:52p	4:25p
11	11:41a	12:48p	1:30p	3:07p	3:53p	5:25p
12	12:23p	1:39p	2:23p	4:11p	4:56p	6:23p
13	1:08p	2:35p	3:20p	5:20p	6:01p	6:43a
14	1:58p	3:38p	4:25p	6:29p	6:23a	7:37a
15	2:53p	4:49p	5:36p	6:57a	7:22a	8:26a
16	3:57p	6:00p	6:14a	7:55a	8:12a	9:12a
17	5:05p	6:35a	7:21a	8:43a	8:57a	9:55a
18	6:12p	7:32a	8:18a	9:25a	9:39a	10:38a
19	6:46a	8:22a	9:06a	10:06a	10:21a	• 11:22a
20	7:41a	9:07a	9:49a	10:46a	• 11:03a	12:06p
21	8:32a	• 9:50a	10:29a	• 11:26a	11:46a	12:49p
22	9:21a	10:32a	• 11:10a	12:09p	12:30p	1:32p
23	• 10:07a	11:15a	11:50a	12:52p	1:15p	2:14p
24	10:53a	11:57a	12:32p	1:37p	1:59p	2:57p
25	11:39a	12:41p	1:15p	2:22p	2:43p	3:42p
26	12:24p	1:25p	1:59p	3:08p	3:28p	4:33p
27	1:10p	2:13p	2:45p	3:58p	4:16p	5:29p
28	1:57p	3:05p	3:35p	4:52p	5:08p	6:28p
29	2:48p	4:05p	4:29p	5:47p	6:02p	6:50a
30	3:44p		5:29p	6:02a	6:18a	7:50a
31	4:45p		6:28p		7:17a	

	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	8:45a	° 10:16a	11:30a	11:45a	12:45p	12:05p
2	9:39a	11:06a	12:15p	12:28p	1:30p	12:47p
3	° 10:32a	11:56a	1:00p	1:13p	2:17p	1:28p
4	11:26a	12:45p	1:46p	2:00p	2:05p	2:12p
5	12:19p	1:34p	2:34p	2:49p	2:56p	3:00p
6	1:13p	2:22p	3:26p	3:43p	3:51p	3:56p
7	2:05p	3:12p	4:22p	4:41p	4:49p	4:56p
8	2:57p	4:04p	5:23p	5:42p	5:43p	5:54p
9	3:50p	5:02p	6:24a	6:38p	6:14a	6:26a
10	4:45p	6:02p	6:51a	7:08a	6:58a	7:04a
11	5:42p	6:26a	7:44a	7:53a	7:42a	8:04a
12	6:02a	7:23a	8:22a	8:34a	8:26a	8:54a
13	7:01a	8:14a	9:09a	9:13a	• 9:12a	• 9:46a
14	7:55a	9:00a	9:47a	9:53a	10:02a	10:39a
15	8:43a	9:42a	• 10:26a	• 10:36a	10:54a	11:33a
16	9:28a	10:22a	11:07a	11:23a	11:50a	12:27p
17	10:12a	• 11:02a	11:50a	12:13p	12:47p	1:22p
18	10:54a	11:42a	12:38p	1:07p	1:46p	2:18p
19	• 11:36a	12:24p	1:28p	2:05p	2:47p	3:16p
20	12:18p	1:07p	2:23p	3:06p	3:51p	4:18p
21	12:59p	1:54p	3:24p	4:11p	4:56p	5:21p
22	1:41p	2:45p	4:30p	5:20p	5:58p	6:20p
23	2:24p	3:42p	5:40p	6:27p	6:31a	6:49a
24	3:12p	4:46p	6:13a	7:02a	7:17a	7:36a
25	4:05p	5:54p	7:18a	7:55a	7:59a	8:18a
26	5:04p	6:22a	8:12a	8:40a	8:39a	9:00a
27	6:08p	7:27a	8:59a	9:21a	9:18a	9:40a
28	6:33a	8:23a	9:42a	10:00a	° 9:59a	° 10:20a
29	7:35a	9:13a	° 10:23a	° 10:39a	10:40a	11:01a
30	8:33a	10:00a	11:04a	11:20a	11:22a	11:40a
31	9:25a	° 10:45a		12:02p		12:18p

# Sunrises and Sunsets

## JANUARY - JUNE 2012

Subtract 1200 from higher numbers for PM time.

DAY	JANUARY		FEBRUARY		MARCH	
	SUNRISE H M	SUNSET H M	SUNRISE H M	SUNSET H M	SUNRISE H M	SUNSET H M
1	0715	1631	0701	1705	0623	1741
2	0715	1632	0700	1707	0622	1742
3	0715	1632	0659	1708	0620	1743
4	0715	1633	0658	1709	0618	1744
5	0715	1634	0657	1710	0617	1745
6	0715	1635	0656	1712	0615	1747
7	0715	1636	0655	1713	0614	1748
8	0715	1637	0654	1714	0612	1749
9	0715	1638	0653	1715	0610	1750
10	0715	1639	0651	1717	0609	1751
11	0715	1640	0650	1718	0707 *	1852 *
12	0714	1641	0649	1719	0705	1853
13	0714	1642	0648	1720	0704	1854
14	0714	1644	0646	1722	0702	1856
15	0713	1645	0645	1723	0700	1857
16	0713	1646	0644	1724	0659	1858
17	0712	1647	0642	1725	0657	1859
18	0712	1648	0641	1726	0655	1900
19	0711	1649	0640	1728	0654	1901
20	0711	1650	0638	1729	0652	1902
21	0710	1652	0637	1730	0650	1903
22	0709	1653	0635	1731	0649	1904
23	0709	1654	0634	1733	0647	1905
24	0708	1655	0632	1734	0645	1906
25	0707	1657	0631	1735	0644	1908
26	0707	1658	0629	1736	0642	1909
27	0706	1659	0628	1737	0640	1910
28	0705	1700	0626	1739	0639	1911
29	0704	1702	0625	1740	0637	1912
30	0703	1703			0635	1913
31	0702	1704			0634	1914

DAY	APRIL		MAY		JUNE	
	SUNRISE H M	SUNSET H M	SUNRISE H M	SUNSET H M	SUNRISE H M	SUNSET H M
1	0632	1915	0546	1947	0519	2017
2	0630	1916	0545	1948	0518	2017
3	0629	1917	0544	1949	0518	2018
4	0627	1918	0543	1951	0517	2019
5	0625	1919	0541	1952	0517	2019
6	0624	1920	0540	1953	0517	2020
7	0622	1922	0539	1954	0517	2021
8	0620	1923	0538	1955	0516	2021
9	0619	1924	0537	1956	0516	2022
10	0617	1925	0536	1957	0516	2022
11	0616	1926	0535	1958	0516	2023
12	0614	1927	0533	1959	0516	2023
13	0612	1928	0532	2000	0516	2024
14	0611	1929	0531	2001	0516	2024
15	0609	1930	0531	2002	0516	2024
16	0608	1931	0530	2003	0516	2025
17	0606	1932	0529	2004	0516	2025
18	0605	1933	0528	2005	0516	2025
19	0603	1934	0527	2006	0516	2026
20	0602	1936	0526	2007	0516	2026
21	0600	1937	0525	2007	0517	2026
22	0559	1938	0525	2008	0517	2026
23	0557	1939	0524	2009	0517	2026
24	0556	1940	0523	2010	0517	2027
25	0555	1941	0522	2011	0518	2027
26	0553	1942	0522	2012	0518	2027
27	0552	1943	0521	2013	0519	2027
28	0550	1944	0521	2014	0519	2027
29	0549	1945	0520	2014	0519	2027
30	0548	1946	0519	2015	0520	2026
31			0519	2016		

\* = Daylight Savings Time begins this date

\*\* = Eastern Standard Time resumes this date

# Sunrises and Sunsets

## JULY - DECEMBER 2012

Subtract 1200 from higher numbers for PM time.

DAY	JULY		AUGUST		SEPTEMBER	
	SUNRISE H M	SUNSET H M	SUNRISE H M	SUNSET H M	SUNRISE H M	SUNSET H M
1	0520	2026	0545	2006	0616	1922
2	0521	2026	0546	2005	0617	1920
3	0521	2026	0547	2003	0618	1918
4	0522	2026	0548	2002	0619	1917
5	0523	2025	0549	2001	0620	1915
6	0523	2025	0550	2000	0621	1913
7	0524	2025	0551	1959	0622	1911
8	0525	2024	0552	1957	0623	1910
9	0525	2024	0553	1956	0624	1908
10	0526	2024	0554	1955	0625	1906
11	0527	2023	0555	1953	0626	1905
12	0527	2023	0556	1952	0627	1903
13	0528	2022	0557	1951	0628	1901
14	0529	2021	0558	1949	0629	1900
15	0530	2021	0559	1948	0630	1858
16	0531	2020	0600	1946	0631	1856
17	0531	2019	0601	1945	0632	1854
18	0532	2019	0602	1943	0633	1853
19	0533	2018	0603	1942	0634	1851
20	0534	2017	0604	1940	0635	1849
21	0535	2016	0605	1939	0636	1848
22	0536	2016	0606	1937	0637	1846
23	0537	2015	0607	1936	0638	1844
24	0538	2014	0608	1934	0639	1842
25	0539	2013	0609	1933	0640	1841
26	0539	2012	0610	1931	0642	1839
27	0540	2011	0611	1930	0643	1837
28	0541	2010	0612	1928	0644	1836
29	0542	2009	0613	1926	0645	1834
30	0543	2008	0614	1925	0646	1832
31	0544	2007	0615	1923		

DAY	OCTOBER		NOVEMBER		DECEMBER	
	SUNRISE H M	SUNSET H M	SUNRISE H M	SUNSET H M	SUNRISE H M	SUNSET H M
1	0647	1831	0721	1744	0656	1621
2	0648	1829	0723	1743	0657	1621
3	0649	1827	0724	1742	0658	1621
4	0650	1826	0625 **	1641 **	0659	1620
5	0651	1824	0626	1640	0700	1620
6	0652	1822	0627	1638	0701	1620
7	0653	1821	0629	1637	0702	1620
8	0654	1819	0630	1636	0703	1620
9	0655	1817	0631	1635	0704	1620
10	0656	1816	0632	1634	0705	1620
11	0657	1814	0633	1633	0705	1620
12	0658	1813	0635	1632	0706	1621
13	0700	1811	0636	1631	0707	1621
14	0701	1809	0637	1631	0708	1621
15	0702	1808	0638	1630	0708	1621
16	0703	1806	0639	1629	0709	1622
17	0704	1805	0641	1628	0710	1622
18	0705	1803	0642	1627	0710	1622
19	0706	1802	0643	1627	0711	1623
20	0707	1800	0644	1626	0712	1623
21	0709	1759	0645	1625	0712	1624
22	0710	1758	0646	1625	0713	1624
23	0711	1756	0648	1624	0713	1625
24	0712	1755	0649	1624	0713	1625
25	0713	1753	0650	1623	0714	1626
26	0714	1752	0651	1623	0714	1627
27	0715	1751	0652	1622	0714	1627
28	0717	1749	0653	1622	0715	1628
29	0718	1748	0654	1622	0715	1629
30	0719	1747	0655	1621	0715	1630
31	0720	1745			0715	1630

\* = Daylight Savings Time begins this date  
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## Canoe and Kayak Safety

- Wear Your Life Jacket (PFD)! Is it the proper size and in good condition? There must be a wearable PFD aboard for each person. From October 1st through May 31st, you **MUST** wear a PFD (state law) when in a manually propelled vessel.
- Don't stand up in a canoe.
- Always paddle directly into or away from the wake of larger boats.
- If you **CAPSIZE**, stay with the boat. If you are in a strong current or white water, float down river feet first and toes up with the boat ahead of you.
- Do not drink alcohol before or while paddling. Alcohol affects balance, coordination, and judgement.
- For more stability in rough conditions, kneel on the bottom instead of sitting on the seats.
- The most experienced paddler should take the stern position.
- Load the boat evenly, fore and aft and side to side.
- Wear proper clothing, including a hat. If you end up in the water, do not remove your clothes. They help you float and protect you against hypothermia.
- Stay away from low head dams. They are extremely dangerous from both up and down stream.
- Rough water, white water, or rapids are no place for beginners. Always wear a solid, correctly fitted helmet when white water paddling.
- Paddle near shore, out of channels. Paddle within your ability.
- Always leave a **FLOAT PLAN** with someone ashore. Be specific about where you plan to go and when you will be back. Be sure to report back in when you return.



# What Can I Do to Prevent the Spread of Non-native Species?



## BEFORE LEAVING THE LAUNCH:

- ✓ **Clean:** remove any visible mud, plants, fish or animals before transporting equipment.
- ✓ **Drain:** eliminates water from equipment, such as a live well, before transporting.

## AT HOME PRIOR TO YOUR NEXT LAUNCH:

- ✓ **Dry:** anything that comes into contact with water (boats, trailers, anchors, propellers, fishing equipment, clothing, dogs, etc.) for a minimum of one week.
- ✓ If drying isn't possible, wash with hot water (preferably high pressure).
- ✓ Never release plants, fish or animals into a body of water unless they came out of that body of water.
- ✓ Dispose any unused bait in an upland trash.



## HOW CAN I CLEAN MY BOAT TO PREVENT THE SPREAD?

- ✓ Dry equipment for a minimum of one week (hot/dry weather) and a minimum of four weeks (cool/wet weather) before entering new waters.  
OR.....
- ✓ Wash with hot water, preferable high pressure.
- ✓ Dip equipment into 100% vinegar for 20 minutes prior to rinsing.
- ✓ Use a 1% salt solution and leave on for 24 hours prior to rinsing (2/3 cups of salt to 5 gallons of water).
- ✓ "Wet" with bleach solution (1 oz. per gallon) or soap and hot water (Lysol, boat soap, etc.) for 10 minutes prior to rinsing.