



PROJECT OCEANOLOGY



Creature Feature: Horseshoe Crab

STEAM Connection

Horseshoe Crabs arrive on the spawning beaches during the high tides of full and new moons when the water rises highest on the beach. When the female is ready to lay her eggs, she crawls up to the high water line on the beach with a male attached to her. The male clasps onto the female's shell with a modified pair of claws. The female drags him around during the spawning process. During spawning, the female crab partially buries herself in the sand while she deposits a cluster of about 4,000 tiny green eggs. In an evening of egg laying, a female crab can lay several egg clusters, and she may spawn repeatedly over several nights to lay 100,000 or more eggs!

Your task is to plan a trip to the beach in hopes of spotting some spawning horseshoe crabs on the beach. Use the tide chart to determine the best dates and times (remember to pay attention to the moon).



Image source: <https://www.frostscience.org/see-horseshoe-crab-help/>

View the June 2020 tide chart for Noank, CT by clicking [here](#) or by looking at the image below.

#ProjectOCreatureFeature



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US HARBORS

www.USHarbors.com

Noank, CT - Jun 2020

Date		High				Low				☀️		🌙
		AM	ft	PM	ft	AM	ft	PM	ft	Rise	Set	Moon
1	Mon	5:46	2.5	6:18	3.2	12:02	0.3	12:18	0.2	5:14	8:16	🌓
2	Tue	6:43	2.5	7:09	3.4	1:02	0.1	1:09	0.2	5:14	8:17	🌑
3	Wed	7:36	2.6	7:59	3.6	1:59	-0.1	2:00	0.1	5:14	8:18	🌑
4	Thu	8:27	2.6	8:48	3.7	2:52	-0.2	2:51	0.1	5:13	8:18	🌑
5	Fri	9:17	2.6	9:37	3.7	3:43	-0.3	3:41	0.1	5:13	8:19	🌑
6	Sat	10:08	2.6	10:27	3.6	4:33	-0.3	4:31	0.2	5:13	8:20	🌑
7	Sun	11:00	2.6	11:18	3.4	5:22	-0.3	5:23	0.3	5:13	8:20	🌑
8	Mon	11:52	2.6			6:11	-0.1	6:15	0.4	5:12	8:21	🌑
9	Tue	12:10	3.2	12:45	2.6	7:00	0.0	7:11	0.5	5:12	8:21	🌑
10	Wed	1:04	3.0	1:39	2.6	7:50	0.2	8:08	0.6	5:12	8:22	🌑
11	Thu	1:58	2.7	2:33	2.6	8:39	0.3	9:06	0.7	5:12	8:22	🌑
12	Fri	2:53	2.5	3:29	2.6	9:27	0.5	10:04	0.7	5:12	8:23	🌑
13	Sat	3:46	2.3	4:24	2.7	10:14	0.6	10:59	0.7	5:12	8:23	🌓
14	Sun	4:43	2.2	5:18	2.7	11:00	0.6	11:53	0.7	5:12	8:24	🌓
15	Mon	5:36	2.2	6:09	2.8	11:45	0.6			5:12	8:24	🌓
16	Tue	6:26	2.2	6:56	2.9	12:43	0.7	12:31	0.6	5:12	8:25	🌓
17	Wed	7:13	2.2	7:39	2.9	1:30	0.6	1:17	0.6	5:12	8:25	🌑
18	Thu	7:59	2.3	8:20	3.0	2:15	0.4	2:03	0.6	5:12	8:25	🌑
19	Fri	8:43	2.4	8:59	3.0	2:58	0.3	2:47	0.5	5:12	8:26	🌑
20	Sat	9:26	2.4	9:37	3.1	3:40	0.2	3:31	0.5	5:13	8:26	🌑
21	Sun	10:10	2.5	10:15	3.1	4:24	0.1	4:15	0.5	5:13	8:26	🌑
22	Mon	10:54	2.5	10:55	3.1	5:08	0.0	5:00	0.5	5:13	8:26	🌑
23	Tue	11:39	2.5	11:40	3.1	5:54	0.0	5:49	0.5	5:13	8:26	🌑
24	Wed			12:26	2.5	6:43	0.0	6:42	0.5	5:14	8:26	🌑
25	Thu	12:28	3.0	1:16	2.6	7:32	0.1	7:40	0.5	5:14	8:26	🌑
26	Fri	1:21	2.9	2:09	2.7	8:23	0.1	8:41	0.5	5:14	8:26	🌑
27	Sat	2:18	2.8	3:04	2.8	9:14	0.2	9:43	0.4	5:15	8:27	🌑
28	Sun	3:16	2.6	4:02	3.0	10:05	0.2	10:45	0.4	5:15	8:26	🌓
29	Mon	4:21	2.5	5:00	3.1	10:58	0.2	11:46	0.3	5:16	8:26	🌓
30	Tue	5:23	2.4	5:57	3.3	11:51	0.3			5:16	8:26	🌓

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