



# Coyote Point Marina

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## Newsletter, September 2022

pdf archive is available [here](#)

### Upcoming Events

- September 2-5: Marin YC Cruise-out
- Saturday September 17: Jerry O'Grady Regatta
- Saturday September 17: California Coastal Cleanup Day
- Sept 30 to October 2: Half Moon Bay Cruise-out
- Every Wednesday evening - informal races/evening sails



## Historic Red Tide Event

Anyone who has been at the Marina or on the beach at Coyote Point since August 25 has probably noticed that the water is red-brown and very murky. This is caused by a bloom of planktonic algae that has now spread throughout San Francisco Bay. Both the California Department of Public Health (CDPH) and the National Oceanic and Atmospheric Administration have identified the dominant algal species forming the bloom as *Heterosigma akashiwo*—a species known to form "red tides". This bloom has been reported as the most severe red tide documented in SF Bay history.

*Heterosigma akashiwo* is a lesser-studied species of harmful algae that emits toxins, which can harm fish and wildlife. Although it's not generally considered an acute risk to people, swimmers have reported skin irritation and respiratory problems.

Our staff has observed dead Striped Bass and Sturgeon on the beach at Coyote Point and in the water between our entrance channel and the San Mateo Bridge. After consultation with the County Environmental Health Services and CDPH, the Parks Department has posted signs at the Marina and on the beach at Coyote Point Park recommending that people and pets stay out of the water, not eat shellfish, and take care in preparing any fish caught in the Bay. The Yacht Club has directed its Youth Sailing instructors to keep the students out of the water as much as possible. Fishing at the breakwater has slowed almost to a standstill, and the few fishermen who are still here report that the fish are not biting as actively as usual.

On August 25 the CDPH took water samples here and at Oyster Point. These are their findings:

*Plankton net tow samples collected from Coyote Point and Oyster Point marinas on 8/25 showed 65-70% Heterosigma akashiwo. Co-occurring with this species were a small percentage of diatoms (11-15%) and very few dinoflagellates. The samples contained about 15% detritus. Visibility was about 1 foot with orange-brown to green-brown water color. The toxigenic genus Alexandrium was not observed, and the toxigenic genus Pseudo-nitzschia was observed at <1% in the Oyster Point sample only*

The last significant algae bloom in the Bay bloom was in 2004, and it was not as large as the current bloom. Scientists at SF Baykeeper say that a contributor to the formation of this red tide is the large quantity of nutrient-rich treated wastewater that is released by water treatment plants throughout the Bay.



## **Dredging Update**

The Dutra Group has finished dredging the channel and turning basin. This is all that they can do with the giant "DB-24" barge, so they have sent it to other projects. The next step is to bring in smaller equipment to dredge the slips.

As of today, they plan to start around September 20 with the remainder of dock 29, then do docks 28 through 25 in succession, followed by the northern part of 13 at the end of the project. All of this is subject to change, so stay tuned. We will do our best to let each boat owner know when it's time to dredge your slip and give as much notice as possible to enable you to move your boat.

**PLEASE BE READY TO MOVE YOUR BOAT ON SHORT NOTICE IF NECESSARY!!**



## **Dock 20**

Many of you may have noticed that a section of the dock 20 fascia has collapsed. The dock really needs to be replaced, but due to dredging costs we do not have the budget to do so. We have ordered custom steel plates to patch it up and get the dock back into working condition – we are just waiting on the fabricators to finish the work. We will apply this same fix to the north end of dock 13.

First Quarter Full Moon		3-Sep 10-Sep		Tide and Current Tables										Third Quarter New Moon		17-Sep 25-Sep	
September 2022																	
<b>Thu</b> 9/1	8:18 E -1.2 11:00 Slack 13:36 F 1.2 16:12 Slack	4:12 5.8 H 10:00 1.9 L 16:18 7.5 H 23:12 1.0 L	<b>Fri</b> 9/9	7:18 Slack 9:48 F 1.6 13:48 Slack 17:06 E -1.6	6:19 -0.7 L 12:49 7.0 H 18:24 1.8 L	<b>Sat</b> 9/17	7:42 Slack 10:06 E -0.5 13:18 Slack 15:18 F 0.5	0:34 0.9 L 7:50 5.4 H 12:27 3.5 L 17:47 6.8 H	<b>Sun</b> 9/25	7:30 Slack 10:00 F 1.4 13:30 Slack 17:06 E -1.6	0:07 7.2 H 6:42 0.5 L 12:58 7.0 H 19:01 1.3 L	<b>Mon</b> 10/3	8:42 Slack 11:24 E -0.7 14:06 Slack 16:18 F 0.7	1:13 0.0 L 8:40 5.8 H 13:17 3.6 L 18:44 7.4 H			
<b>Fri</b> 9/2	9:12 E -1.0 11:48 Slack 14:24 F 1.1 16:48 Slack	5:28 5.4 H 10:44 2.5 L 17:01 7.6 H	<b>Sat</b> 9/10	8:00 Slack 10:24 F 1.7 14:18 Slack 17:48 E -1.8	0:11 8.4 H 7:00 -0.5 L 13:23 7.3 H 19:13 1.4 L	<b>Sun</b> 9/18	8:48 Slack 11:06 E -0.4 14:36 Slack 16:18 F 0.3	1:45 0.8 L 9:14 5.6 H 13:54 3.6 L 18:52 6.7 H	<b>Mon</b> 9/26	8:00 Slack 10:30 F 1.4 13:48 Slack 17:42 E -1.8	0:50 7.1 H 7:11 0.8 L 13:23 7.2 H 19:38 0.9 L	<b>Tue</b> 10/4	10:00 Slack 12:54 E -0.8 15:36 Slack 17:36 F 0.7	2:26 -0.1 L 9:38 6.2 H 14:43 3.2 L 20:03 7.4 H			
<b>Sat</b> 9/3	7:18 Slack 10:12 E -0.8 12:48 Slack 15:24 F 0.9	0:20 0.7 L 7:05 5.1 H 11:41 3.1 L 17:55 7.7 H	<b>Sun</b> 9/11	8:42 Slack 11:06 F 1.6 14:48 Slack 18:36 E -1.9	1:03 8.0 H 7:39 0.0 L 13:56 7.5 H 20:01 1.1 L	<b>Mon</b> 9/19	6:48 F 0.7 9:54 Slack 12:24 E -0.5 15:48 Slack	2:52 0.7 L 10:09 5.9 H 15:04 3.5 L 19:59 6.7 H	<b>Tue</b> 9/27	8:36 Slack 11:06 F 1.4 14:06 Slack 18:18 E -1.9	1:36 6.8 H 7:42 1.2 L 13:49 7.5 H 20:17 0.6 L	<b>Wed</b> 10/5	6:48 F 1.2 11:06 Slack 14:06 E -1.1 16:48 Slack	3:29 -0.2 L 10:22 6.5 H 15:49 2.7 L 21:15 7.5 H			
<b>Sun</b> 9/4	8:48 Slack 11:30 E -0.7 14:06 Slack 16:30 F 0.8	1:35 0.4 L 8:47 5.3 H 13:02 3.4 L 19:01 7.8 H	<b>Mon</b> 9/12	9:24 Slack 11:42 F 1.5 15:12 Slack 19:12 E -1.9	1:55 7.5 H 8:16 0.5 L 14:29 7.6 H 20:49 0.8 L	<b>Tue</b> 9/20	7:54 F 0.8 10:48 Slack 13:48 E -0.6 16:54 Slack	3:47 0.6 L 10:48 6.1 H 15:58 3.2 L 21:01 6.9 H	<b>Wed</b> 9/28	9:12 Slack 11:42 F 1.4 14:24 Slack 18:54 E -2.0	2:26 6.5 H 8:15 1.7 L 14:19 7.7 H 21:01 0.3 L	<b>Thu</b> 10/6	7:48 F 1.3 11:54 Slack 15:12 E -1.4 17:54 Slack	4:22 -0.3 L 11:00 6.9 H 16:43 2.0 L 22:18 7.5 H			
<b>Mon</b> 9/5	10:12 Slack 12:48 E -0.7 15:30 Slack 17:42 F 0.8	2:48 0.0 L 10:01 5.7 H 14:28 3.5 L 20:11 8.0 H	<b>Tue</b> 9/13	7:06 E -1.5 10:00 Slack 12:18 F 1.4 15:36 Slack	2:49 6.9 H 8:54 1.2 L 15:01 7.6 H 21:38 0.7 L	<b>Wed</b> 9/21	8:30 F 0.9 11:36 Slack 14:42 E -0.8 17:42 Slack	4:33 0.4 L 11:19 6.2 H 16:41 2.8 L 21:53 7.0 H	<b>Thu</b> 9/29	7:12 E -1.3 9:54 Slack 12:24 F 1.3 14:54 Slack	3:22 6.2 H 8:51 2.2 L 14:52 7.8 H 21:51 0.1 L	<b>Fri</b> 10/7	8:36 F 1.5 12:30 Slack 16:00 E -1.7 18:48 Slack	5:07 -0.2 L 11:34 7.2 H 17:32 1.4 L 23:16 7.5 H			
<b>Tue</b> 9/6	7:06 F 1.1 11:24 Slack 14:12 E -0.9 16:48 Slack	3:52 -0.3 L 10:53 6.1 H 15:40 3.2 L 21:19 8.3 H	<b>Wed</b> 9/14	7:48 E -1.2 10:42 Slack 13:00 F 1.1 15:54 Slack	3:46 6.3 H 9:33 1.9 L 15:35 7.5 H 22:30 0.7 L	<b>Thu</b> 9/22	8:54 F 1.0 12:12 Slack 15:18 E -1.0 18:24 Slack	5:10 0.3 L 11:46 6.4 H 17:18 2.5 L 22:40 7.2 H	<b>Fri</b> 9/30	8:00 E -1.1 10:36 Slack 13:12 F 1.2 15:36 Slack	4:28 5.8 H 9:32 2.7 L 15:32 7.8 H 22:49 0.0 L	<b>Sat</b> 10/8	9:18 F 1.6 13:00 Slack 16:48 E -1.9 19:36 Slack	5:48 0.1 L 12:07 7.5 H 18:18 0.9 L			
<b>Wed</b> 9/7	8:12 F 1.3 12:18 Slack 15:18 E -1.1 17:54 Slack	4:47 -0.6 L 11:35 6.5 H 16:40 2.8 L 22:20 8.5 H	<b>Thu</b> 9/15	8:30 E -0.9 11:24 Slack 13:36 F 0.9 16:18 Slack	4:52 5.7 H 10:17 2.5 L 16:11 7.3 H 23:28 0.8 L	<b>Fri</b> 9/23	9:12 F 1.1 12:48 Slack 15:54 E -1.2 19:00 Slack	5:43 0.2 L 12:10 6.5 H 17:53 2.1 L 23:24 7.2 H	<b>Sat</b> 10/1	8:54 E -0.9 11:30 Slack 14:06 F 1.0 16:24 Slack	5:48 5.5 H 10:24 3.2 L 16:22 7.7 H 23:57 0.0 L	<b>Sun</b> 10/9	7:30 Slack 9:54 F 1.6 13:30 Slack 17:24 E -2.1	0:11 7.3 H 6:27 0.5 L 12:38 7.7 H 19:02 0.5 L			
<b>Thu</b> 9/8	9:06 F 1.5 13:06 Slack 16:18 E -1.4 18:54 Slack	5:35 -0.8 L 12:13 6.8 H 17:34 2.3 L 23:17 8.5 H	<b>Fri</b> 9/16	9:12 E -0.7 12:12 Slack 14:24 F 0.7 16:42 Slack	6:13 5.4 H 11:11 3.1 L 16:54 7.0 H	<b>Sat</b> 9/24	7:00 Slack 9:30 F 1.3 13:12 Slack 16:30 E -1.4	6:13 0.3 L 12:34 6.7 H 18:26 1.7 L	<b>Sun</b> 10/2	7:18 Slack 10:06 E -0.7 12:42 Slack 15:06 F 0.8	7:19 5.5 H 11:39 3.6 L 17:27 7.5 H	<b>Mon</b> 10/10	8:12 Slack 10:30 F 1.5 13:54 Slack 18:06 E -2.1	1:03 7.0 H 7:04 1.0 L 13:08 7.8 H 19:44 0.2 L			

Tide corrected to Coyote Point Marina. Current 2.3 nm NNE of Coyote Point: Max Flood (F), Max Ebb (E)