

# 2021 Central Coast Spring All-Depth Sport Halibut Dates



# Meeting Outline

- Overview of IPHC annual meeting results
- Changes to the Catch Sharing Plan
- Input on dates for the Central OR Coast Subarea spring all-depth fishery
  - Number of fixed dates
  - Timing of fixed dates
  - Back-up dates



# IPHC Annual Meeting Results

- Fishery and survey trends coastwide continue downward
  - Area 2A fishery trends a bit better than coastwide
- Overall spawning biomass still estimated to be decreasing
- Estimates of good 2011 and 2012 year classes about to come into the fishery
  - Anglers encountered a lot of 24-30 inch fish in 2020
  - Fishery and survey trends are consistent with individual growth within these year-classes
- Size-at-age may be starting to improve at younger ages

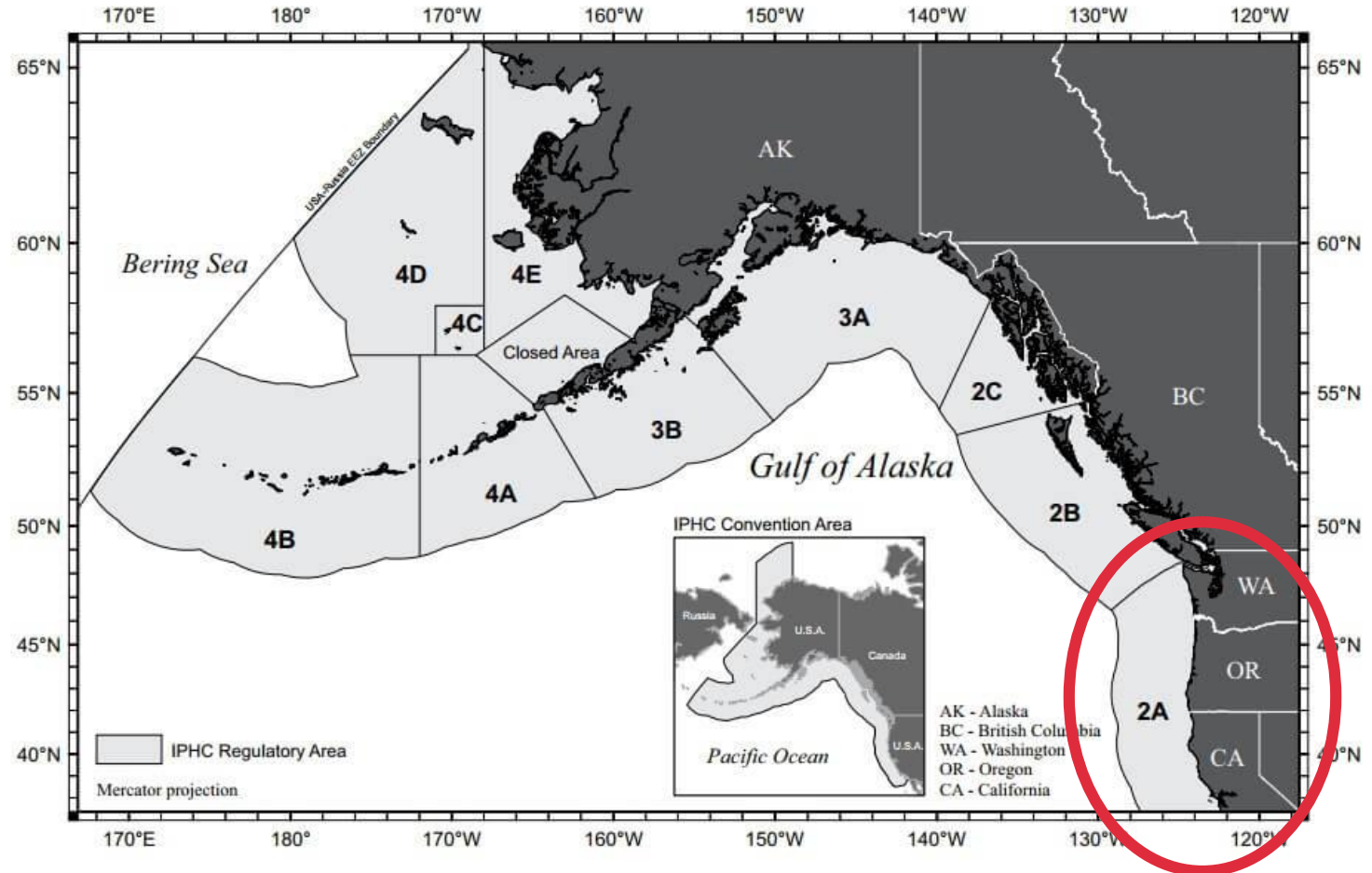


# Area 2A Catch Limit

2021 Area 2A Catch  
Limit = 1,510,000 lbs.

\*Minor increase due to  
decreased bycatch mortality

OR Rec. Allocation =  
291,506 lbs.



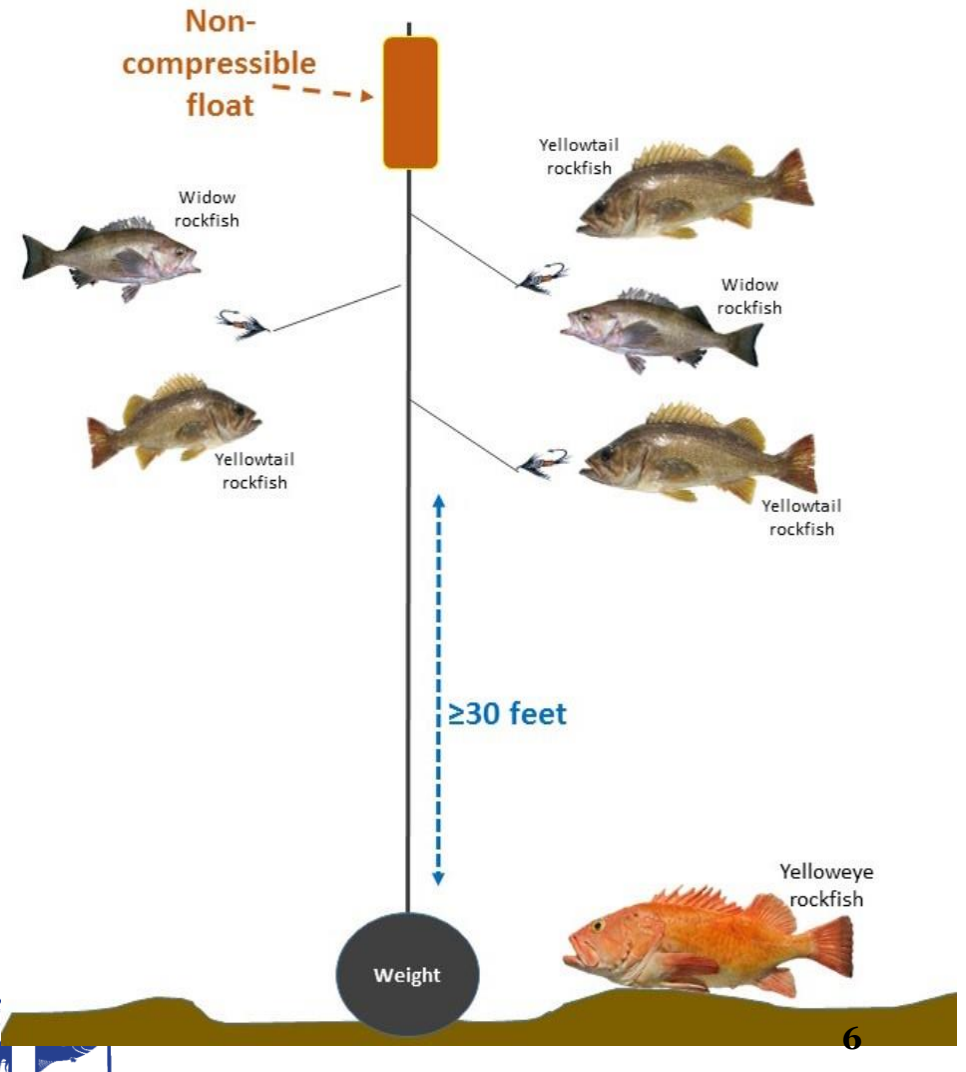
# 2021 Oregon Halibut Allocations

|                         |                  | 2020 (lbs.) | 2021 (lbs.) |
|-------------------------|------------------|-------------|-------------|
| Area 2A Allocation      |                  | 1,500,000   | 1,510,000   |
| Oregon Sport Allocation |                  | 289,575     | 291,506     |
| Columbia River          | All-Depth        | 17,949      | 18,662      |
|                         | Nearshore        | 500         | 500         |
| Central Oregon Coast    | Spring All-Depth | 171,103     | 172,244     |
|                         | Summer All-Depth | 67,989      | 68,351      |
|                         | Nearshore        | 32,591      | 32,808      |
| Southern Oregon         |                  | 8,000       | 8,000       |



# Changes to the Catch Sharing Plan for 2021

- Longleader gear fishing allowed with all-depth halibut on the same trip
  - During Jun, Jul, Aug in 2021
    - Months when bottomfish fishery has depth restriction
  - Once longleader species are retained, no further halibut fishing may occur
  - Lingcod may not be retained



| May | Jun | Jul | Aug | Sep | Oct |
|-----|-----|-----|-----|-----|-----|
|-----|-----|-----|-----|-----|-----|

## Columbia River Subarea (OR/WA Border (46°16' N lat.) to Cape Falcon)

All-depth halibut open on select days (see halibut regulations for more info.)

- Regular bottomfish can be combined with all-depth halibut
- Longleader gear **cannot** be combined with all-depth halibut

- only Sablefish, Pacific cod, & other flatfish species (no other bottomfish species) can be combined with all-depth halibut; **or**
- Longleader gear **can** be combined with all-depth halibut, >40 fm

- Halibut season ends September 30
- Regular bottomfish can be combined with all-depth halibut
- Longleader gear **cannot** be combined with all-depth halibut

## Central Oregon Coast Subarea (Cape Falcon to Humbug Mt.)

All-depth halibut open on select days (see halibut regulations for more info.)

- Regular bottomfish can be combined with all-depth halibut
- Longleader gear **cannot** be combined with all-depth halibut

- only Sablefish, Pacific cod, & other flatfish species (no other bottomfish species) can be combined with all-depth halibut; **or**
- Longleader gear **can** be combined with all-depth halibut, >40 fm

- Regular bottomfish can be combined with all-depth halibut
- Longleader gear **cannot** be combined with all-depth halibut

## Southern Oregon Subarea (Humbug Mt. to OR/CA Border)

Halibut open 7-days per week at all-depths (see halibut regulations for more info.)

- Regular bottomfish can be combined with halibut
- Longleader gear **cannot** be combined with halibut

- Regular bottomfish can be combined with halibut, as long as bottomfish is <40 fm; **or**
- Longleader gear **can** be combined with halibut, >40 fm

- Regular bottomfish can be combined with halibut
- Longleader gear **cannot** be combined with halibut

# Central Oregon Coast Spring All-Depth Fixed & Back-Up Dates

## Background

- Open days per week: Thurs-Sat
  - Weeks can be back to back or,
  - Weeks can be skipped to avoid adverse tides
- Season start: 2<sup>nd</sup> Thurs in May
- 2 types of dates
  - Fixed dates
  - Back-up dates



# Fixed Dates vs. Back-Up Dates

## Fixed

- Announced pre-season
- Guaranteed to be open
  - Unless entire subarea quota taken
- Occur in consecutive weeks
  - Can skip weeks with bad tides
- Occur in sets of 3
  - 9,12, 15, 18

## Back-Up

- Occur after the fixed dates
  - If enough quota remains
- Occur every other week
  - Up to three days, dependent on remaining quota
  - Allows for one week notice of opening, or closing
- If enough quota remaining, may open every week.



# How Many Fixed Dates?

- Want to catch most of the quota
  - But not go over
  - Overage would come from summer all-depth
  - And if large enough, the nearshore
- Catch rates highly weather-dependent
  - Can't predict that ahead of time
- Look at past catches to see catch rates
  - Also do some modeling of possible future catches



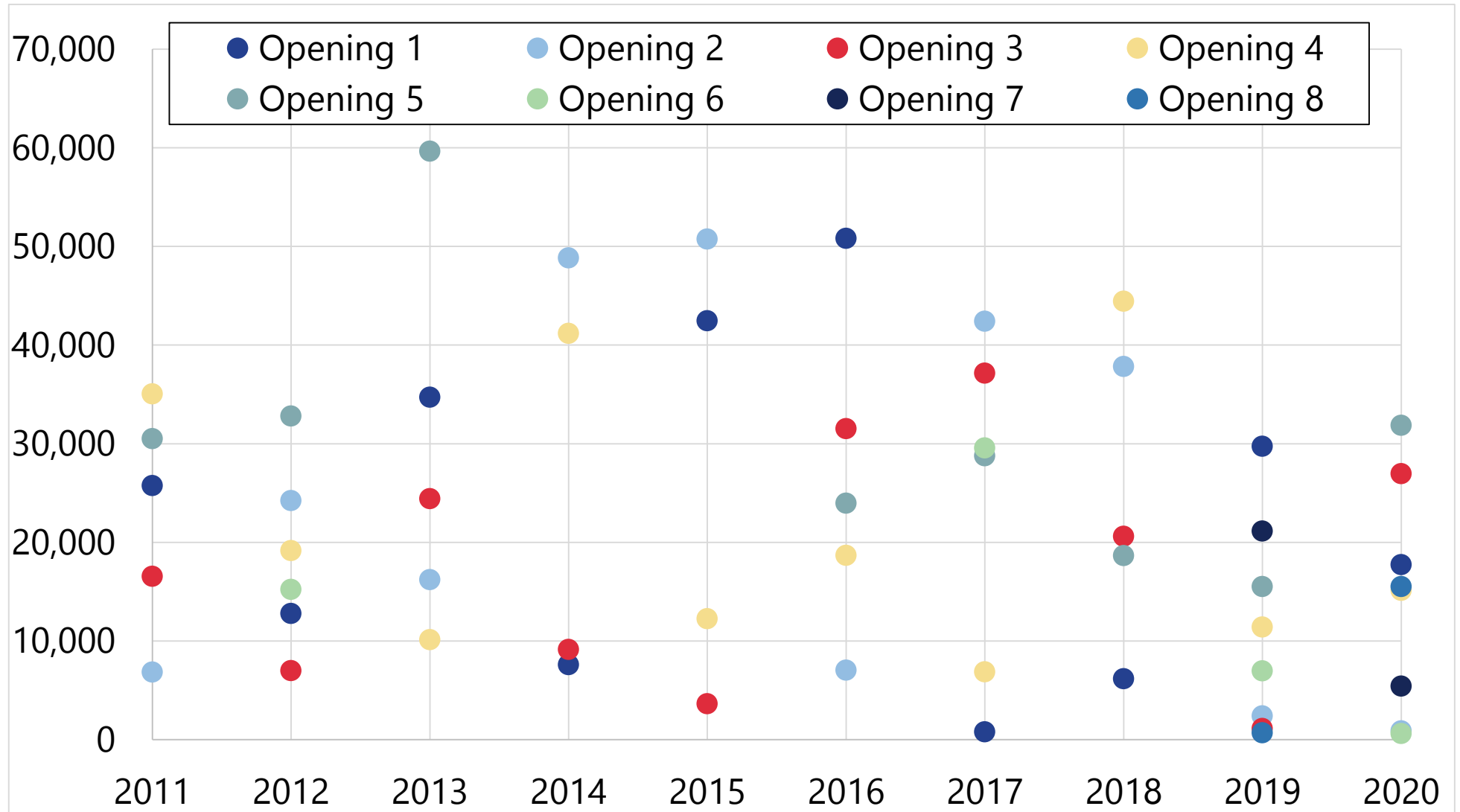


Marine  
Resources

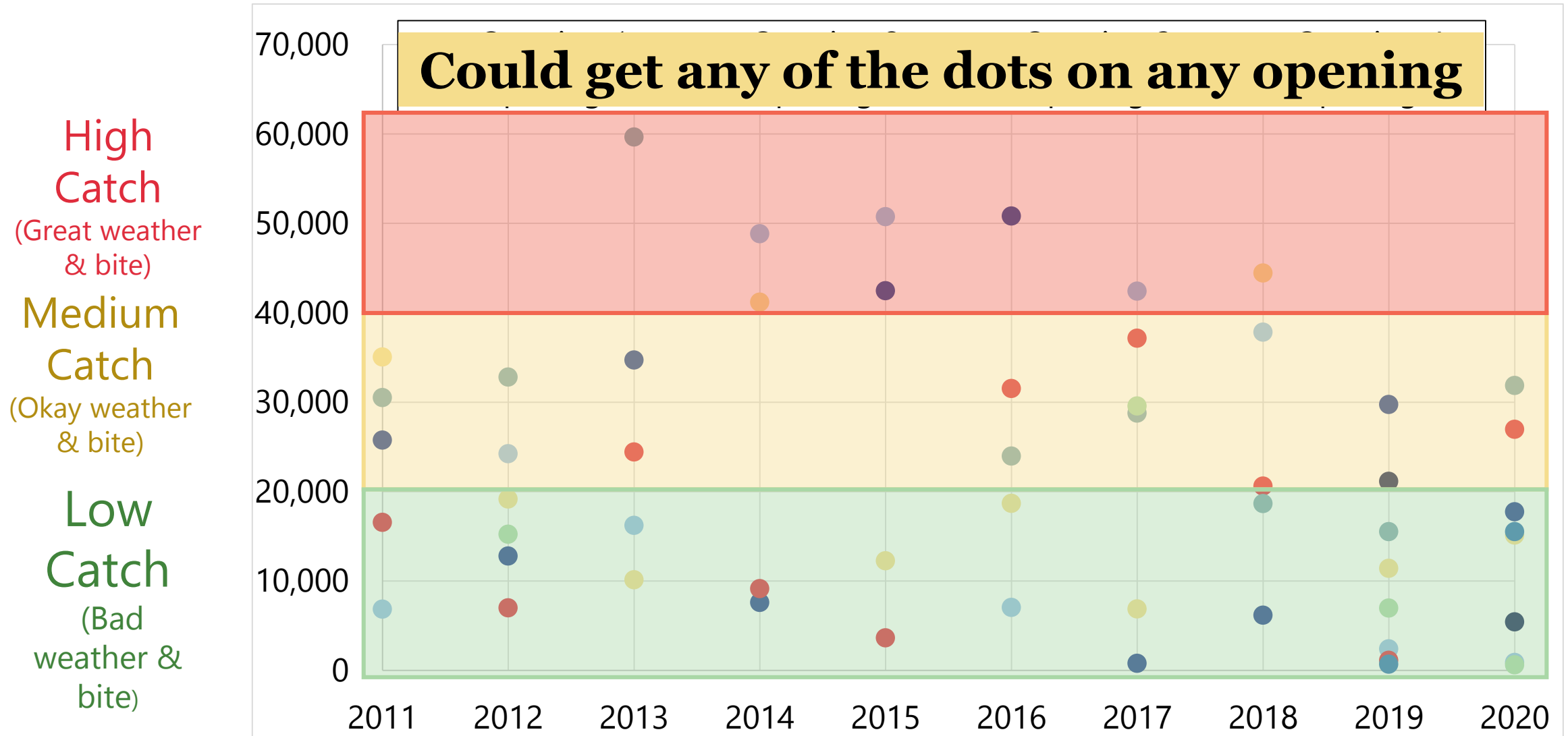
# Recent Years' Total Landed Pounds per Opening

| Opening                                       | 2011    | 2012    | 2013    | 2014    | 2015    | 2016    | 2017    | 2018    | 2019   | 2020             |
|-----------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|--------|------------------|
| 1                                             | 25,754  | 12,807  | 34,712  | 7,594   | 42,471  | 50,838  | 801     | 6,184   | 29,752 | 17,752           |
| 2                                             | 6,847   | 24,242  | 16,229  | 48,838  | 50,766  | 7,060   | 42,418  | 37,847  | 2,403  | 892              |
| 3                                             | 16,555  | 6,997   | 24,430  | 9,151   | 3,652   | 31,533  | 37,164  | 20,624  | 1,125  | 26,982           |
| 4                                             | 35,063  | 19,175  | 10,141  | 41,200  | 12,274  | 16,683  | 6,883   | 44,446  | 11,432 | 15,139           |
| 5                                             | 30,533  | 32,816  | 59,665  |         |         | 23,983  | 28,784  | 18,663  | 15,524 | 31,885           |
| 6                                             |         | 15,232  |         |         |         |         | 29,585  |         | 6,970  | 631              |
| 7                                             |         |         |         |         |         |         |         |         | 21,147 | 5,429            |
| 8                                             |         |         |         |         |         |         |         |         | 709    | 15,525           |
| Total Pounds landed from "fixed" openings     | 84,219  | 63,221  | 85,512  | 106,783 | 109,163 | 106,114 | 116,050 | 109,101 | 60,236 | 92,650           |
| Total pounds landed from all openings         | 114,752 | 111,269 | 145,177 | 106,783 | 109,163 | 130,097 | 145,635 | 127,764 | 89,062 | 114,235          |
| Average pounds per "fixed" opening            | 21,055  | 15,805  | 21,378  | 26,696  | 27,291  | 26,529  | 23,210  | 27,275  | 12,047 | 18,530           |
| Average pounds per opening, from all openings | 22,950  | 18,545  | 29,035  | 26,696  | 27,291  | 26,019  | 24,273  | 25,553  | 11,133 | 14,279           |
| Days open                                     | 15      | 18      | 15      | 12      | 12      | 15      | 18      | 15      | 24     | 24               |
| Fixed Days Open                               | 12      | 12      | 12      | 12      | 12      | 12      | 15      | 12      | 15     | 15 <sup>11</sup> |

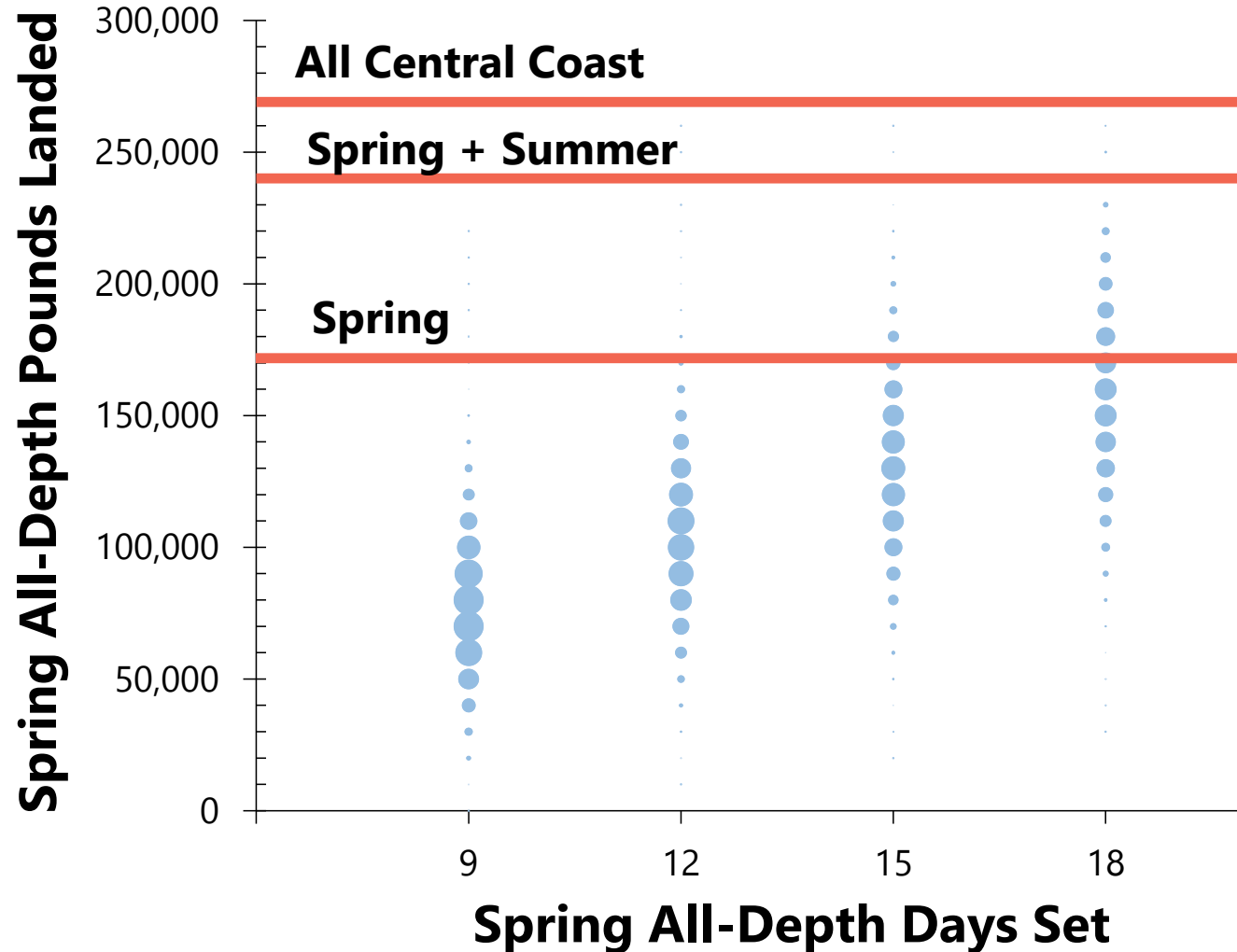
# Recent Years' Total Landed Pounds per Opening



# Recent Years' Total Landed Pounds per Opening



# Modeled 2021 Catch & Risk of Exceeding Quotas



| Fixed Dates | Chance of exceeding quota(s) |                    |                   |
|-------------|------------------------------|--------------------|-------------------|
|             | Spring AD                    | Spring & Summer AD | All Central Coast |
| 12          | 2%                           | 0%                 | 0%                |
| 15          | 14%                          | 0%                 | 0%                |
| 18          | 35%                          | 2%                 | 0%                |



# When Should the Fixed Dates Occur?

- Can occur in back-to-back weeks
- Option to skip adverse tides  
(Example: -2.0 foot)
- Strong outgoing river current + big swells = breakers on the bar
- Outgoing river current strongest in hours before minus tide



# 2021 Tide Calendar

- The following slides will reference this calendar with potential open weekends (fixed and backup) along with designated closed weekends
- Staff prepared options for a "fixed-15 day" opener (5 weekends) and a "fixed-18 day" opener (6 weekends)
  - Other options can also be considered

| May  |      |      |          |
|------|------|------|----------|
| Date | Day  | Tide | Time     |
| 1    | Sat  | -1.5 | 10:37 AM |
| 2    | Sun  | -1.0 | 11:39 AM |
| 3    | Mon  | -0.5 | 12:45 PM |
| 4    | Tues | 3.4  | 1:14 AM  |
| 5    | Wed  | 2.9  | 2:36 AM  |
| 6    | Thu  | 2.3  | 3:42 AM  |
| 7    | Fri  | 1.5  | 4:35 AM  |
| 8    | Sat  | 0.9  | 5:18 AM  |
| 9    | Sun  | 0.3  | 5:56 AM  |
| 10   | Mon  | -0.1 | 6:31 AM  |
| 11   | Tue  | -0.5 | 7:04 AM  |
| 12   | Wed  | -0.7 | 7:37 AM  |
| 13   | Thu  | -0.8 | 8:11 AM  |
| 14   | Fri  | -0.7 | 8:48 AM  |
| 15   | Sat  | -0.6 | 9:27 AM  |
| 16   | Sun  | -0.4 | 10:11 AM |
| 17   | Mon  | -0.3 | 10:59 AM |
| 18   | Tue  | -0.1 | 11:52 AM |
| 19   | Wed  | 0.1  | 12:48 PM |
| 20   | Thu  | 3.4  | 1:27 AM  |
| 21   | Fri  | 2.6  | 2:38 AM  |
| 22   | Sat  | 1.5  | 3:37 AM  |
| 23   | Sun  | 0.4  | 4:29 AM  |
| 24   | Mon  | -0.7 | 5:19 AM  |
| 25   | Tue  | -1.7 | 6:07 AM  |
| 26   | Wed  | -2.3 | 6:55 AM  |
| 27   | Thu  | -2.6 | 7:44 AM  |
| 28   | Fri  | -2.6 | 8:34 AM  |
| 29   | Sat  | -2.3 | 9:25 AM  |
| 30   | Sun  | -1.7 | 10:19 AM |
| 31   | Mon  | -1.1 | 11:14 AM |

| June |     |      |          |
|------|-----|------|----------|
| Date | Day | Tide | Time     |
| 1    | Tue | -0.4 | 12:10 PM |
| 2    | Wed | 0.2  | 1:06 PM  |
| 3    | Thu | 2.5  | 2:12 AM  |
| 4    | Fri | 1.9  | 3:17 AM  |
| 5    | Sat | 1.2  | 4:11 AM  |
| 6    | Sun | 0.5  | 4:55 AM  |
| 7    | Mon | 0.0  | 5:34 AM  |
| 8    | Tue | -0.4 | 6:09 AM  |
| 9    | Wed | -0.7 | 6:44 AM  |
| 10   | Thu | -0.9 | 7:18 AM  |
| 11   | Fri | -1.0 | 7:54 AM  |
| 12   | Sat | -1.0 | 8:31 AM  |
| 13   | Sun | -1.0 | 9:09 AM  |
| 14   | Mon | -0.9 | 9:49 AM  |
| 15   | Tue | -0.6 | 10:31 AM |
| 16   | Wed | -0.3 | 11:16 AM |
| 17   | Thu | 0.2  | 12:03 PM |
| 18   | Fri | 0.7  | 12:53 PM |
| 19   | Sat | 1.9  | 2:12 AM  |
| 20   | Sun | 0.9  | 3:14 AM  |
| 21   | Mon | -0.2 | 4:11 AM  |
| 22   | Tue | -1.2 | 5:03 AM  |
| 23   | Wed | -1.9 | 5:54 AM  |
| 24   | Thu | -2.4 | 6:43 AM  |
| 25   | Fri | -2.5 | 7:32 AM  |
| 26   | Sat | -2.4 | 8:20 AM  |
| 27   | Sun | -2.0 | 9:08 AM  |
| 28   | Mon | -1.5 | 9:55 AM  |
| 29   | Tue | -0.8 | 10:41 AM |
| 30   | Wed | 0.0  | 11:28 AM |

| July |     |      |          |
|------|-----|------|----------|
| Date | Day | Tide | Time     |
| 1    | Thu | 0.8  | 12:14 PM |
| 2    | Fri | 1.6  | 1:02 PM  |
| 3    | Sat | 1.7  | 2:39 AM  |
| 4    | Sun | 1.2  | 3:36 AM  |
| 5    | Mon | 0.6  | 4:25 AM  |
| 6    | Tue | 0.1  | 5:07 AM  |
| 7    | Wed | -0.3 | 5:46 AM  |
| 8    | Thu | -0.6 | 6:23 AM  |
| 9    | Fri | -0.9 | 7:00 AM  |
| 10   | Sat | -1.0 | 7:35 AM  |
| 11   | Sun | -1.1 | 8:11 AM  |
| 12   | Mon | -1.1 | 8:47 AM  |
| 13   | Tue | -0.9 | 9:24 AM  |
| 14   | Wed | -0.5 | 10:01 AM |
| 15   | Thu | 0.0  | 10:40 AM |
| 16   | Fri | 0.7  | 11:23 AM |
| 17   | Sat | 1.5  | 12:10 PM |
| 18   | Sun | 1.2  | 1:45 AM  |
| 19   | Mon | 0.4  | 2:53 AM  |
| 20   | Tue | -0.4 | 3:54 AM  |
| 21   | Wed | -1.1 | 4:51 AM  |
| 22   | Thu | -1.7 | 5:43 AM  |
| 23   | Fri | -1.9 | 6:32 AM  |
| 24   | Sat | -2.0 | 7:18 AM  |
| 25   | Sun | -1.8 | 8:02 AM  |
| 26   | Mon | -1.4 | 8:44 AM  |
| 27   | Tue | -0.8 | 9:24 AM  |
| 28   | Wed | 0.0  | 10:03 AM |
| 29   | Thu | 0.8  | 10:42 AM |
| 30   | Fri | 1.7  | 11:21 AM |
| 31   | Sat | 2.5  | 12:03 PM |





## Possible Open Days

Black background refers to a negative tide

| May  |      |      |          |
|------|------|------|----------|
| Date | Day  | Tide | Time     |
| 1    | Sat  | -1.5 | 10:37 AM |
| 2    | Sun  | -1.0 | 11:39 AM |
| 3    | Mon  | -0.5 | 12:45 PM |
| 4    | Tues | 3.4  | 1:14 AM  |
| 5    | Wed  | 2.9  | 2:36 AM  |
| 6    | Thu  | 2.3  | 3:42 AM  |
| 7    | Fri  | 1.5  | 4:35 AM  |
| 8    | Sat  | 0.9  | 5:18 AM  |
| 9    | Sun  | 0.3  | 5:56 AM  |
| 10   | Mon  | -0.1 | 6:31 AM  |
| 11   | Tue  | -0.5 | 7:04 AM  |
| 12   | Wed  | -0.7 | 7:37 AM  |
| 13   | Thu  | -0.8 | 8:11 AM  |
| 14   | Fri  | -0.7 | 8:48 AM  |
| 15   | Sat  | -0.6 | 9:27 AM  |
| 16   | Sun  | -0.4 | 10:11 AM |
| 17   | Mon  | -0.3 | 10:59 AM |
| 18   | Tue  | -0.1 | 11:52 AM |
| 19   | Wed  | 0.1  | 12:48 PM |
| 20   | Thu  | 3.4  | 1:27 AM  |
| 21   | Fri  | 2.6  | 2:38 AM  |
| 22   | Sat  | 1.5  | 3:37 AM  |
| 23   | Sun  | 0.4  | 4:29 AM  |
| 24   | Mon  | -0.7 | 5:19 AM  |
| 25   | Tue  | -1.7 | 6:07 AM  |
| 26   | Wed  | -2.3 | 6:55 AM  |
| 27   | Thu  | -2.6 | 7:44 AM  |
| 28   | Fri  | -2.6 | 8:34 AM  |
| 29   | Sat  | -2.3 | 9:25 AM  |
| 30   | Sun  | -1.7 | 10:19 AM |
| 31   | Mon  | -1.1 | 11:14 AM |

| June |     |      |          |
|------|-----|------|----------|
| Date | Day | Tide | Time     |
| 1    | Tue | -0.4 | 12:10 PM |
| 2    | Wed | 0.2  | 1:06 PM  |
| 3    | Thu | 2.5  | 2:12 AM  |
| 4    | Fri | 1.9  | 3:17 AM  |
| 5    | Sat | 1.2  | 4:11 AM  |
| 6    | Sun | 0.5  | 4:55 AM  |
| 7    | Mon | 0.0  | 5:34 AM  |
| 8    | Tue | -0.4 | 6:09 AM  |
| 9    | Wed | -0.7 | 6:44 AM  |
| 10   | Thu | -0.9 | 7:18 AM  |
| 11   | Fri | -1.0 | 7:54 AM  |
| 12   | Sat | -1.0 | 8:31 AM  |
| 13   | Sun | -1.0 | 9:09 AM  |
| 14   | Mon | -0.9 | 9:49 AM  |
| 15   | Tue | -0.6 | 10:31 AM |
| 16   | Wed | -0.3 | 11:16 AM |
| 17   | Thu | 0.2  | 12:03 PM |
| 18   | Fri | 0.7  | 12:53 PM |
| 19   | Sat | 1.9  | 2:12 AM  |
| 20   | Sun | 0.9  | 3:14 AM  |
| 21   | Mon | -0.2 | 4:11 AM  |
| 22   | Tue | -1.2 | 5:03 AM  |
| 23   | Wed | -1.9 | 5:54 AM  |
| 24   | Thu | -2.4 | 6:43 AM  |
| 25   | Fri | -2.5 | 7:32 AM  |
| 26   | Sat | -2.4 | 8:20 AM  |
| 27   | Sun | -2.0 | 9:08 AM  |
| 28   | Mon | -1.5 | 9:55 AM  |
| 29   | Tue | -0.8 | 10:41 AM |
| 30   | Wed | 0.0  | 11:28 AM |

| July |     |      |          |
|------|-----|------|----------|
| Date | Day | Tide | Time     |
| 1    | Thu | 0.8  | 12:14 PM |
| 2    | Fri | 1.6  | 1:02 PM  |
| 3    | Sat | 1.7  | 2:39 AM  |
| 4    | Sun | 1.2  | 3:36 AM  |
| 5    | Mon | 0.6  | 4:25 AM  |
| 6    | Tue | 0.1  | 5:07 AM  |
| 7    | Wed | -0.3 | 5:46 AM  |
| 8    | Thu | -0.6 | 6:23 AM  |
| 9    | Fri | -0.9 | 7:00 AM  |
| 10   | Sat | -1.0 | 7:35 AM  |
| 11   | Sun | -1.1 | 8:11 AM  |
| 12   | Mon | -1.1 | 8:47 AM  |
| 13   | Tue | -0.9 | 9:24 AM  |
| 14   | Wed | -0.5 | 10:01 AM |
| 15   | Thu | 0.0  | 10:40 AM |
| 16   | Fri | 0.7  | 11:23 AM |
| 17   | Sat | 1.5  | 12:10 PM |
| 18   | Sun | 1.2  | 1:45 AM  |
| 19   | Mon | 0.4  | 2:53 AM  |
| 20   | Tue | -0.4 | 3:54 AM  |
| 21   | Wed | -1.1 | 4:51 AM  |
| 22   | Thu | -1.7 | 5:43 AM  |
| 23   | Fri | -1.9 | 6:32 AM  |
| 24   | Sat | -2.0 | 7:18 AM  |
| 25   | Sun | -1.8 | 8:02 AM  |
| 26   | Mon | -1.4 | 8:44 AM  |
| 27   | Tue | -0.8 | 9:24 AM  |
| 28   | Wed | 0.0  | 10:03 AM |
| 29   | Thu | 0.8  | 10:42 AM |
| 30   | Fri | 1.7  | 11:21 AM |
| 31   | Sat | 2.5  | 12:03 PM |



15A: 15 Days /  
Every weekend

1

2

3

| May  |      |      |          |
|------|------|------|----------|
| Date | Day  | Tide | Time     |
| 1    | Sat  | -1.5 | 10:37 AM |
| 2    | Sun  | -1.0 | 11:39 AM |
| 3    | Mon  | -0.5 | 12:45 PM |
| 4    | Tues | 3.4  | 1:14 AM  |
| 5    | Wed  | 2.9  | 2:36 AM  |
| 6    | Thu  | 2.3  | 3:42 AM  |
| 7    | Fri  | 1.5  | 4:35 AM  |
| 8    | Sat  | 0.9  | 5:18 AM  |
| 9    | Sun  | 0.3  | 5:56 AM  |
| 10   | Mon  | -0.1 | 6:31 AM  |
| 11   | Tue  | -0.5 | 7:04 AM  |
| 12   | Wed  | -0.7 | 7:37 AM  |
| 13   | Thu  | -0.8 | 8:11 AM  |
| 14   | Fri  | -0.7 | 8:48 AM  |
| 15   | Sat  | -0.6 | 9:27 AM  |
| 16   | Sun  | -0.4 | 10:11 AM |
| 17   | Mon  | -0.3 | 10:59 AM |
| 18   | Tue  | -0.1 | 11:52 AM |
| 19   | Wed  | 0.1  | 12:48 PM |
| 20   | Thu  | 3.4  | 1:27 AM  |
| 21   | Fri  | 2.6  | 2:38 AM  |
| 22   | Sat  | 1.5  | 3:37 AM  |
| 23   | Sun  | 0.4  | 4:29 AM  |
| 24   | Mon  | -0.7 | 5:19 AM  |
| 25   | Tue  | -1.7 | 6:07 AM  |
| 26   | Wed  | -2.3 | 6:55 AM  |
| 27   | Thu  | -2.6 | 7:44 AM  |
| 28   | Fri  | -2.6 | 8:34 AM  |
| 29   | Sat  | -2.3 | 9:25 AM  |
| 30   | Sun  | -1.7 | 10:19 AM |
| 31   | Mon  | -1.1 | 11:14 AM |

4

5

CLOSED

Comm.  
opening

Back-up

| June |     |      |          |
|------|-----|------|----------|
| Date | Day | Tide | Time     |
| 1    | Tue | -0.4 | 12:10 PM |
| 2    | Wed | 0.2  | 1:06 PM  |
| 3    | Thu | 2.5  | 2:12 AM  |
| 4    | Fri | 1.9  | 3:17 AM  |
| 5    | Sat | 1.2  | 4:11 AM  |
| 6    | Sun | 0.5  | 4:55 AM  |
| 7    | Mon | 0.0  | 5:34 AM  |
| 8    | Tue | -0.4 | 6:09 AM  |
| 9    | Wed | -0.7 | 6:44 AM  |
| 10   | Thu | -0.9 | 7:18 AM  |
| 11   | Fri | -1.0 | 7:54 AM  |
| 12   | Sat | -1.0 | 8:31 AM  |
| 13   | Sun | -1.0 | 9:09 AM  |
| 14   | Mon | -0.9 | 9:49 AM  |
| 15   | Tue | -0.6 | 10:31 AM |
| 16   | Wed | -0.3 | 11:16 AM |
| 17   | Thu | 0.2  | 12:03 PM |
| 18   | Fri | 0.7  | 12:53 PM |
| 19   | Sat | 1.9  | 2:12 AM  |
| 20   | Sun | 0.9  | 3:14 AM  |
| 21   | Mon | -0.2 | 4:11 AM  |
| 22   | Tue | -1.2 | 5:03 AM  |
| 23   | Wed | -1.9 | 5:54 AM  |
| 24   | Thu | -2.4 | 6:43 AM  |
| 25   | Fri | -2.5 | 7:32 AM  |
| 26   | Sat | -2.4 | 8:20 AM  |
| 27   | Sun | -2.0 | 9:08 AM  |
| 28   | Mon | -1.5 | 9:55 AM  |
| 29   | Tue | -0.8 | 10:41 AM |
| 30   | Wed | 0.0  | 11:28 AM |

CLOSED

Comm.  
opening

Back-up

CLOSED

Comm.  
opening

Back-up

CLOSED

| July |     |      |          |
|------|-----|------|----------|
| Date | Day | Tide | Time     |
| 1    | Thu | 0.8  | 12:14 PM |
| 2    | Fri | 1.6  | 1:02 PM  |
| 3    | Sat | 1.7  | 2:39 AM  |
| 4    | Sun | 1.2  | 3:36 AM  |
| 5    | Mon | 0.6  | 4:25 AM  |
| 6    | Tue | 0.1  | 5:07 AM  |
| 7    | Wed | -0.3 | 5:46 AM  |
| 8    | Thu | -0.6 | 6:23 AM  |
| 9    | Fri | -0.9 | 7:00 AM  |
| 10   | Sat | -1.0 | 7:35 AM  |
| 11   | Sun | -1.1 | 8:11 AM  |
| 12   | Mon | -1.1 | 8:47 AM  |
| 13   | Tue | -0.9 | 9:24 AM  |
| 14   | Wed | -0.5 | 10:01 AM |
| 15   | Thu | 0.0  | 10:40 AM |
| 16   | Fri | 0.7  | 11:23 AM |
| 17   | Sat | 1.5  | 12:10 PM |
| 18   | Sun | 1.2  | 1:45 AM  |
| 19   | Mon | 0.4  | 2:53 AM  |
| 20   | Tue | -0.4 | 3:54 AM  |
| 21   | Wed | -1.1 | 4:51 AM  |
| 22   | Thu | -1.7 | 5:43 AM  |
| 23   | Fri | -1.9 | 6:32 AM  |
| 24   | Sat | -2.0 | 7:18 AM  |
| 25   | Sun | -1.8 | 8:02 AM  |
| 26   | Mon | -1.4 | 8:44 AM  |
| 27   | Tue | -0.8 | 9:24 AM  |
| 28   | Wed | 0.0  | 10:03 AM |
| 29   | Thu | 0.8  | 10:42 AM |
| 30   | Fri | 1.7  | 11:21 AM |
| 31   | Sat | 2.5  | 12:03 PM |



15B: 15 Days /  
Skip negative  
tides > -1.0 feet

| May    |      |      |      |          |
|--------|------|------|------|----------|
|        | Date | Day  | Tide | Time     |
|        | 1    | Sat  | -1.5 | 10:37 AM |
|        | 2    | Sun  | -1.0 | 11:39 AM |
|        | 3    | Mon  | -0.5 | 12:45 PM |
|        | 4    | Tues | 3.4  | 1:14 AM  |
|        | 5    | Wed  | 2.9  | 2:36 AM  |
|        | 6    | Thu  | 2.3  | 3:42 AM  |
|        | 7    | Fri  | 1.5  | 4:35 AM  |
|        | 8    | Sat  | 0.9  | 5:18 AM  |
|        | 9    | Sun  | 0.3  | 5:56 AM  |
|        | 10   | Mon  | -0.1 | 6:31 AM  |
|        | 11   | Tue  | -0.5 | 7:04 AM  |
|        | 12   | Wed  | -0.7 | 7:37 AM  |
| 1      | 13   | Thu  | -0.8 | 8:11 AM  |
|        | 14   | Fri  | -0.7 | 8:48 AM  |
|        | 15   | Sat  | -0.6 | 9:27 AM  |
|        | 16   | Sun  | -0.4 | 10:11 AM |
|        | 17   | Mon  | -0.3 | 10:59 AM |
|        | 18   | Tue  | -0.1 | 11:52 AM |
|        | 19   | Wed  | 0.1  | 12:48 PM |
| 2      | 20   | Thu  | 3.4  | 1:27 AM  |
|        | 21   | Fri  | 2.6  | 2:38 AM  |
|        | 22   | Sat  | 1.5  | 3:37 AM  |
|        | 23   | Sun  | 0.4  | 4:29 AM  |
|        | 24   | Mon  | -0.7 | 5:19 AM  |
|        | 25   | Tue  | -1.7 | 6:07 AM  |
|        | 26   | Wed  | -2.3 | 6:55 AM  |
| CLOSED | 27   | Thu  | -2.6 | 7:44 AM  |
|        | 28   | Fri  | -2.6 | 8:34 AM  |
|        | 29   | Sat  | -2.3 | 9:25 AM  |
|        | 30   | Sun  | -1.7 | 10:19 AM |
|        | 31   | Mon  | -1.1 | 11:14 AM |

| June             |      |     |      |          |
|------------------|------|-----|------|----------|
|                  | Date | Day | Tide | Time     |
| 3                | 1    | Tue | -0.4 | 12:10 PM |
|                  | 2    | Wed | 0.2  | 1:06 PM  |
|                  | 3    | Thu | 2.5  | 2:12 AM  |
|                  | 4    | Fri | 1.9  | 3:17 AM  |
|                  | 5    | Sat | 1.2  | 4:11 AM  |
|                  | 6    | Sun | 0.5  | 4:55 AM  |
|                  | 7    | Mon | 0.0  | 5:34 AM  |
|                  | 8    | Tue | -0.4 | 6:09 AM  |
|                  | 9    | Wed | -0.7 | 6:44 AM  |
| 4                | 10   | Thu | -0.9 | 7:18 AM  |
|                  | 11   | Fri | -1.0 | 7:54 AM  |
|                  | 12   | Sat | -1.0 | 8:31 AM  |
|                  | 13   | Sun | -1.0 | 9:09 AM  |
|                  | 14   | Mon | -0.9 | 9:49 AM  |
|                  | 15   | Tue | -0.6 | 10:31 AM |
|                  | 16   | Wed | -0.3 | 11:16 AM |
| 5                | 17   | Thu | 0.2  | 12:03 PM |
|                  | 18   | Fri | 0.7  | 12:53 PM |
|                  | 19   | Sat | 1.9  | 2:12 AM  |
|                  | 20   | Sun | 0.9  | 3:14 AM  |
|                  | 21   | Mon | -0.2 | 4:11 AM  |
| Comm.<br>opening | 22   | Tue | -1.2 | 5:03 AM  |
|                  | 23   | Wed | -1.9 | 5:54 AM  |
|                  | 24   | Thu | -2.4 | 6:43 AM  |
| CLOSED           | 25   | Fri | -2.5 | 7:32 AM  |
|                  | 26   | Sat | -2.4 | 8:20 AM  |
|                  | 27   | Sun | -2.0 | 9:08 AM  |
|                  | 28   | Mon | -1.5 | 9:55 AM  |
|                  | 29   | Tue | -0.8 | 10:41 AM |
|                  | 30   | Wed | 0.0  | 11:28 AM |

| July             |      |     |      |          |
|------------------|------|-----|------|----------|
|                  | Date | Day | Tide | Time     |
| Back-up          | 1    | Thu | 0.8  | 12:14 PM |
|                  | 2    | Fri | 1.6  | 1:02 PM  |
|                  | 3    | Sat | 1.7  | 2:39 AM  |
|                  | 4    | Sun | 1.2  | 3:36 AM  |
|                  | 5    | Mon | 0.6  | 4:25 AM  |
| Comm.<br>opening | 6    | Tue | 0.1  | 5:07 AM  |
|                  | 7    | Wed | -0.3 | 5:46 AM  |
| CLOSED           | 8    | Thu | -0.6 | 6:23 AM  |
|                  | 9    | Fri | -0.9 | 7:00 AM  |
|                  | 10   | Sat | -1.0 | 7:35 AM  |
|                  | 11   | Sun | -1.1 | 8:11 AM  |
|                  | 12   | Mon | -1.1 | 8:47 AM  |
|                  | 13   | Tue | -0.9 | 9:24 AM  |
| Back-up          | 14   | Wed | -0.5 | 10:01 AM |
|                  | 15   | Thu | 0.0  | 10:40 AM |
|                  | 16   | Fri | 0.7  | 11:23 AM |
|                  | 17   | Sat | 1.5  | 12:10 PM |
|                  | 18   | Sun | 1.2  | 1:45 AM  |
| Comm.<br>opening | 19   | Mon | 0.4  | 2:53 AM  |
|                  | 20   | Tue | -0.4 | 3:54 AM  |
|                  | 21   | Wed | -1.1 | 4:51 AM  |
|                  | 22   | Thu | -1.7 | 5:43 AM  |
| CLOSED           | 23   | Fri | -1.9 | 6:32 AM  |
|                  | 24   | Sat | -2.0 | 7:18 AM  |
|                  | 25   | Sun | -1.8 | 8:02 AM  |
|                  | 26   | Mon | -1.4 | 8:44 AM  |
|                  | 27   | Tue | -0.8 | 9:24 AM  |
|                  | 28   | Wed | 0.0  | 10:03 AM |
| Back-up          | 29   | Thu | 0.8  | 10:42 AM |
|                  | 30   | Fri | 1.7  | 11:21 AM |
|                  | 31   | Sat | 2.5  | 12:03 PM |



18A: 18 Days /  
Every weekend

1

2

3

| May  |      |      |          |
|------|------|------|----------|
| Date | Day  | Tide | Time     |
| 1    | Sat  | -1.5 | 10:37 AM |
| 2    | Sun  | -1.0 | 11:39 AM |
| 3    | Mon  | -0.5 | 12:45 PM |
| 4    | Tues | 3.4  | 1:14 AM  |
| 5    | Wed  | 2.9  | 2:36 AM  |
| 6    | Thu  | 2.3  | 3:42 AM  |
| 7    | Fri  | 1.5  | 4:35 AM  |
| 8    | Sat  | 0.9  | 5:18 AM  |
| 9    | Sun  | 0.3  | 5:56 AM  |
| 10   | Mon  | -0.1 | 6:31 AM  |
| 11   | Tue  | -0.5 | 7:04 AM  |
| 12   | Wed  | -0.7 | 7:37 AM  |
| 13   | Thu  | -0.8 | 8:11 AM  |
| 14   | Fri  | -0.7 | 8:48 AM  |
| 15   | Sat  | -0.6 | 9:27 AM  |
| 16   | Sun  | -0.4 | 10:11 AM |
| 17   | Mon  | -0.3 | 10:59 AM |
| 18   | Tue  | -0.1 | 11:52 AM |
| 19   | Wed  | 0.1  | 12:48 PM |
| 20   | Thu  | 3.4  | 1:27 AM  |
| 21   | Fri  | 2.6  | 2:38 AM  |
| 22   | Sat  | 1.5  | 3:37 AM  |
| 23   | Sun  | 0.4  | 4:29 AM  |
| 24   | Mon  | -0.7 | 5:19 AM  |
| 25   | Tue  | -1.7 | 6:07 AM  |
| 26   | Wed  | -2.3 | 6:55 AM  |
| 27   | Thu  | -2.6 | 7:44 AM  |
| 28   | Fri  | -2.6 | 8:34 AM  |
| 29   | Sat  | -2.3 | 9:25 AM  |
| 30   | Sun  | -1.7 | 10:19 AM |
| 31   | Mon  | -1.1 | 11:14 AM |

4

5

6

Comm.  
opening

CLOSED

| June |     |      |          |
|------|-----|------|----------|
| Date | Day | Tide | Time     |
| 1    | Tue | -0.4 | 12:10 PM |
| 2    | Wed | 0.2  | 1:06 PM  |
| 3    | Thu | 2.5  | 2:12 AM  |
| 4    | Fri | 1.9  | 3:17 AM  |
| 5    | Sat | 1.2  | 4:11 AM  |
| 6    | Sun | 0.5  | 4:55 AM  |
| 7    | Mon | 0.0  | 5:34 AM  |
| 8    | Tue | -0.4 | 6:09 AM  |
| 9    | Wed | -0.7 | 6:44 AM  |
| 10   | Thu | -0.9 | 7:18 AM  |
| 11   | Fri | -1.0 | 7:54 AM  |
| 12   | Sat | -1.0 | 8:31 AM  |
| 13   | Sun | -1.0 | 9:09 AM  |
| 14   | Mon | -0.9 | 9:49 AM  |
| 15   | Tue | -0.6 | 10:31 AM |
| 16   | Wed | -0.3 | 11:16 AM |
| 17   | Thu | 0.2  | 12:03 PM |
| 18   | Fri | 0.7  | 12:53 PM |
| 19   | Sat | 1.9  | 2:12 AM  |
| 20   | Sun | 0.9  | 3:14 AM  |
| 21   | Mon | -0.2 | 4:11 AM  |
| 22   | Tue | -1.2 | 5:03 AM  |
| 23   | Wed | -1.9 | 5:54 AM  |
| 24   | Thu | -2.4 | 6:43 AM  |
| 25   | Fri | -2.5 | 7:32 AM  |
| 26   | Sat | -2.4 | 8:20 AM  |
| 27   | Sun | -2.0 | 9:08 AM  |
| 28   | Mon | -1.5 | 9:55 AM  |
| 29   | Tue | -0.8 | 10:41 AM |
| 30   | Wed | 0.0  | 11:28 AM |

Back-up

Comm.  
opening

CLOSED

Back-up

Comm.  
opening

CLOSED

Back-up

| July |     |      |          |
|------|-----|------|----------|
| Date | Day | Tide | Time     |
| 1    | Thu | 0.8  | 12:14 PM |
| 2    | Fri | 1.6  | 1:02 PM  |
| 3    | Sat | 1.7  | 2:39 AM  |
| 4    | Sun | 1.2  | 3:36 AM  |
| 5    | Mon | 0.6  | 4:25 AM  |
| 6    | Tue | 0.1  | 5:07 AM  |
| 7    | Wed | -0.3 | 5:46 AM  |
| 8    | Thu | -0.6 | 6:23 AM  |
| 9    | Fri | -0.9 | 7:00 AM  |
| 10   | Sat | -1.0 | 7:35 AM  |
| 11   | Sun | -1.1 | 8:11 AM  |
| 12   | Mon | -1.1 | 8:47 AM  |
| 13   | Tue | -0.9 | 9:24 AM  |
| 14   | Wed | -0.5 | 10:01 AM |
| 15   | Thu | 0.0  | 10:40 AM |
| 16   | Fri | 0.7  | 11:23 AM |
| 17   | Sat | 1.5  | 12:10 PM |
| 18   | Sun | 1.2  | 1:45 AM  |
| 19   | Mon | 0.4  | 2:53 AM  |
| 20   | Tue | -0.4 | 3:54 AM  |
| 21   | Wed | -1.1 | 4:51 AM  |
| 22   | Thu | -1.7 | 5:43 AM  |
| 23   | Fri | -1.9 | 6:32 AM  |
| 24   | Sat | -2.0 | 7:18 AM  |
| 25   | Sun | -1.8 | 8:02 AM  |
| 26   | Mon | -1.4 | 8:44 AM  |
| 27   | Tue | -0.8 | 9:24 AM  |
| 28   | Wed | 0.0  | 10:03 AM |
| 29   | Thu | 0.8  | 10:42 AM |
| 30   | Fri | 1.7  | 11:21 AM |
| 31   | Sat | 2.5  | 12:03 PM |



**18B: 18 Days /  
Skip negative  
tides > -1.0 feet**

|        | May  |      |      |          |
|--------|------|------|------|----------|
|        | Date | Day  | Tide | Time     |
|        | 1    | Sat  | -1.5 | 10:37 AM |
|        | 2    | Sun  | -1.0 | 11:39 AM |
|        | 3    | Mon  | -0.5 | 12:45 PM |
|        | 4    | Tues | 3.4  | 1:14 AM  |
|        | 5    | Wed  | 2.9  | 2:36 AM  |
|        | 6    | Thu  | 2.3  | 3:42 AM  |
|        | 7    | Fri  | 1.5  | 4:35 AM  |
|        | 8    | Sat  | 0.9  | 5:18 AM  |
|        | 9    | Sun  | 0.3  | 5:56 AM  |
|        | 10   | Mon  | -0.1 | 6:31 AM  |
|        | 11   | Tue  | -0.5 | 7:04 AM  |
|        | 12   | Wed  | -0.7 | 7:37 AM  |
| 1      | 13   | Thu  | -0.8 | 8:11 AM  |
|        | 14   | Fri  | -0.7 | 8:48 AM  |
|        | 15   | Sat  | -0.6 | 9:27 AM  |
|        | 16   | Sun  | -0.4 | 10:11 AM |
|        | 17   | Mon  | -0.3 | 10:59 AM |
|        | 18   | Tue  | -0.1 | 11:52 AM |
|        | 19   | Wed  | 0.1  | 12:48 PM |
| 2      | 20   | Thu  | 3.4  | 1:27 AM  |
|        | 21   | Fri  | 2.6  | 2:38 AM  |
|        | 22   | Sat  | 1.5  | 3:37 AM  |
|        | 23   | Sun  | 0.4  | 4:29 AM  |
|        | 24   | Mon  | -0.7 | 5:19 AM  |
|        | 25   | Tue  | -1.7 | 6:07 AM  |
|        | 26   | Wed  | -2.3 | 6:55 AM  |
| CLOSED | 27   | Thu  | -2.6 | 7:44 AM  |
|        | 28   | Fri  | -2.6 | 8:34 AM  |
|        | 29   | Sat  | -2.3 | 9:25 AM  |
|        | 30   | Sun  | -1.7 | 10:19 AM |
|        | 31   | Mon  | -1.1 | 11:14 AM |

|                  | June |     |      |          |
|------------------|------|-----|------|----------|
|                  | Date | Day | Tide | Time     |
| 3                | 1    | Tue | -0.4 | 12:10 PM |
|                  | 2    | Wed | 0.2  | 1:06 PM  |
|                  | 3    | Thu | 2.5  | 2:12 AM  |
|                  | 4    | Fri | 1.9  | 3:17 AM  |
|                  | 5    | Sat | 1.2  | 4:11 AM  |
|                  | 6    | Sun | 0.5  | 4:55 AM  |
|                  | 7    | Mon | 0.0  | 5:34 AM  |
|                  | 8    | Tue | -0.4 | 6:09 AM  |
|                  | 9    | Wed | -0.7 | 6:44 AM  |
| 4                | 10   | Thu | -0.9 | 7:18 AM  |
|                  | 11   | Fri | -1.0 | 7:54 AM  |
|                  | 12   | Sat | -1.0 | 8:31 AM  |
|                  | 13   | Sun | -1.0 | 9:09 AM  |
|                  | 14   | Mon | -0.9 | 9:49 AM  |
|                  | 15   | Tue | -0.6 | 10:31 AM |
|                  | 16   | Wed | -0.3 | 11:16 AM |
| 5                | 17   | Thu | 0.2  | 12:03 PM |
|                  | 18   | Fri | 0.7  | 12:53 PM |
|                  | 19   | Sat | 1.9  | 2:12 AM  |
|                  | 20   | Sun | 0.9  | 3:14 AM  |
|                  | 21   | Mon | -0.2 | 4:11 AM  |
| Comm.<br>opening | 22   | Tue | -1.2 | 5:03 AM  |
|                  | 23   | Wed | -1.9 | 5:54 AM  |
|                  | 24   | Thu | -2.4 | 6:43 AM  |
| CLOSED           | 25   | Fri | -2.5 | 7:32 AM  |
|                  | 26   | Sat | -2.4 | 8:20 AM  |
|                  | 27   | Sun | -2.0 | 9:08 AM  |
|                  | 28   | Mon | -1.5 | 9:55 AM  |
|                  | 29   | Tue | -0.8 | 10:41 AM |
|                  | 30   | Wed | 0.0  | 11:28 AM |

|                  | July |     |      |          |
|------------------|------|-----|------|----------|
|                  | Date | Day | Tide | Time     |
| 6                | 1    | Thu | 0.8  | 12:14 PM |
|                  | 2    | Fri | 1.6  | 1:02 PM  |
|                  | 3    | Sat | 1.7  | 2:39 AM  |
|                  | 4    | Sun | 1.2  | 3:36 AM  |
|                  | 5    | Mon | 0.6  | 4:25 AM  |
| Comm.<br>opening | 6    | Tue | 0.1  | 5:07 AM  |
|                  | 7    | Wed | -0.3 | 5:46 AM  |
| CLOSED           | 8    | Thu | -0.6 | 6:23 AM  |
|                  | 9    | Fri | -0.9 | 7:00 AM  |
|                  | 10   | Sat | -1.0 | 7:35 AM  |
|                  | 11   | Sun | -1.1 | 8:11 AM  |
|                  | 12   | Mon | -1.1 | 8:47 AM  |
|                  | 13   | Tue | -0.9 | 9:24 AM  |
| Back-up          | 14   | Wed | -0.5 | 10:01 AM |
|                  | 15   | Thu | 0.0  | 10:40 AM |
|                  | 16   | Fri | 0.7  | 11:23 AM |
|                  | 17   | Sat | 1.5  | 12:10 PM |
|                  | 18   | Sun | 1.2  | 1:45 AM  |
| Comm.<br>opening | 19   | Mon | 0.4  | 2:53 AM  |
|                  | 20   | Tue | -0.4 | 3:54 AM  |
|                  | 21   | Wed | -1.1 | 4:51 AM  |
|                  | 22   | Thu | -1.7 | 5:43 AM  |
| CLOSED           | 23   | Fri | -1.9 | 6:32 AM  |
|                  | 24   | Sat | -2.0 | 7:18 AM  |
|                  | 25   | Sun | -1.8 | 8:02 AM  |
|                  | 26   | Mon | -1.4 | 8:44 AM  |
|                  | 27   | Tue | -0.8 | 9:24 AM  |
|                  | 28   | Wed | 0.0  | 10:03 AM |
| Back-up          | 29   | Thu | 0.8  | 10:42 AM |
|                  | 30   | Fri | 1.7  | 11:21 AM |
|                  | 31   | Sat | 2.5  | 12:03 PM |

# Thank you!

Marine Resources Program  
Oregon Department of Fish and Wildlife

2040 SE Marine Science Drive  
Newport, OR 97365  
(541) 867-4741

Lynn Mattes  
[Lynn.mattes@state.or.us](mailto:Lynn.mattes@state.or.us)

Christian Heath  
[Christian.t.heath@state.or.us](mailto:Christian.t.heath@state.or.us)

