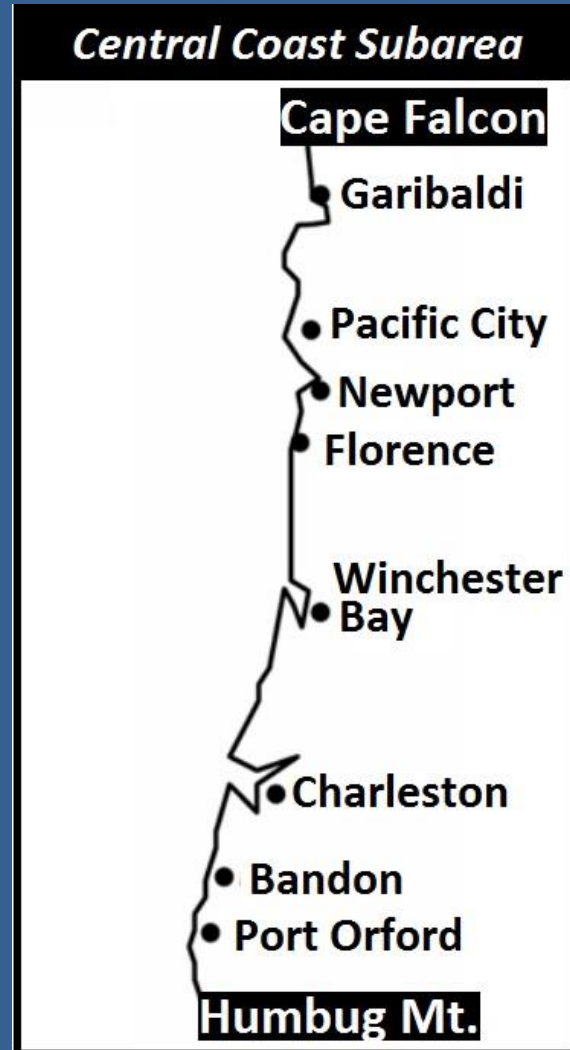


Help set the 2016 Halibut Season

(Spring All-Depth - Central Coast Subarea)

Help select:

- 1) The Number of “Fixed Dates”
- 2) When the Fixed Dates should occur



2016 P. Halibut Allocations

		2015 (lbs.)	2016 (lbs.)
Area 2A Allocation		970,000	1,140,000
Oregon Sport Allocation		187,259	220,077
Columbia River	All-Depth	9,754	10,509
	Nearshore	500	500
Central Oregon Coast	Spring All-Depth	110,649	130,038
	Summer All-Depth	43,908	51,603
	Nearshore	21,076	24,769
Southern Oregon		7,318	8,605

This meeting is not for:

Changing halibut regulations

(bag limits, splitting the coast, etc)

Changing the days per week of the halibut fisheries

These changes discussed in August public meetings

We can discuss these after the meeting

(some people only want to comment on seasons)

Meeting overview – Spring All-Depth

You will select the number of Fixed Dates

Provide background first

(Number of Fixed Dates is a risk call – dice rolling example)

You select when the Fixed Dates will occur

Option 1: Do not skip minus tides

Option 2: Skip the severe minus tides (larger than -1.0 ft)

Background: Spring All-Depth Season

Open days per week: Thursday – Saturday

Season start: 2nd Thursday of May (or later)

3 Types of Dates:

- 1) Fixed Dates
- 2) Back-Up Dates
- 3) Total Dates (Fixed + Back-up)

Fixed Dates \neq Total Dates

Total Dates depends on how long it takes to catch the quota

Fixed Dates vs Back-Up Dates

Fixed Dates:

- 1) Announced preseason (gives you more time to plan)
- 2) Not canceled if the Spring All-Depth quota is exceeded
(Overage taken from Summer All-Depth 1st, Nearshore 2nd)
- 3) Occur in back-to-back weeks at the season start
(but can skip minus tides)
- 4) Have to be in sets of three (9,12,15 for example)

Back-Up Dates:

- 1) Occur after the Fixed Dates if enough quota
- 2) Occur every other week (regardless of tides)
- 3) Given one week notice of status (open or closed)

Meeting goals:

- (1) Select the number of Fixed Dates
- (2) Choose when the Fixed Dates occur

Review of Fixed Dates

Pro: Give you time to plan trips

Con: If too many, then could exceed quota(s)
(shorten or close Summer All-Depth and/or Nearshore)

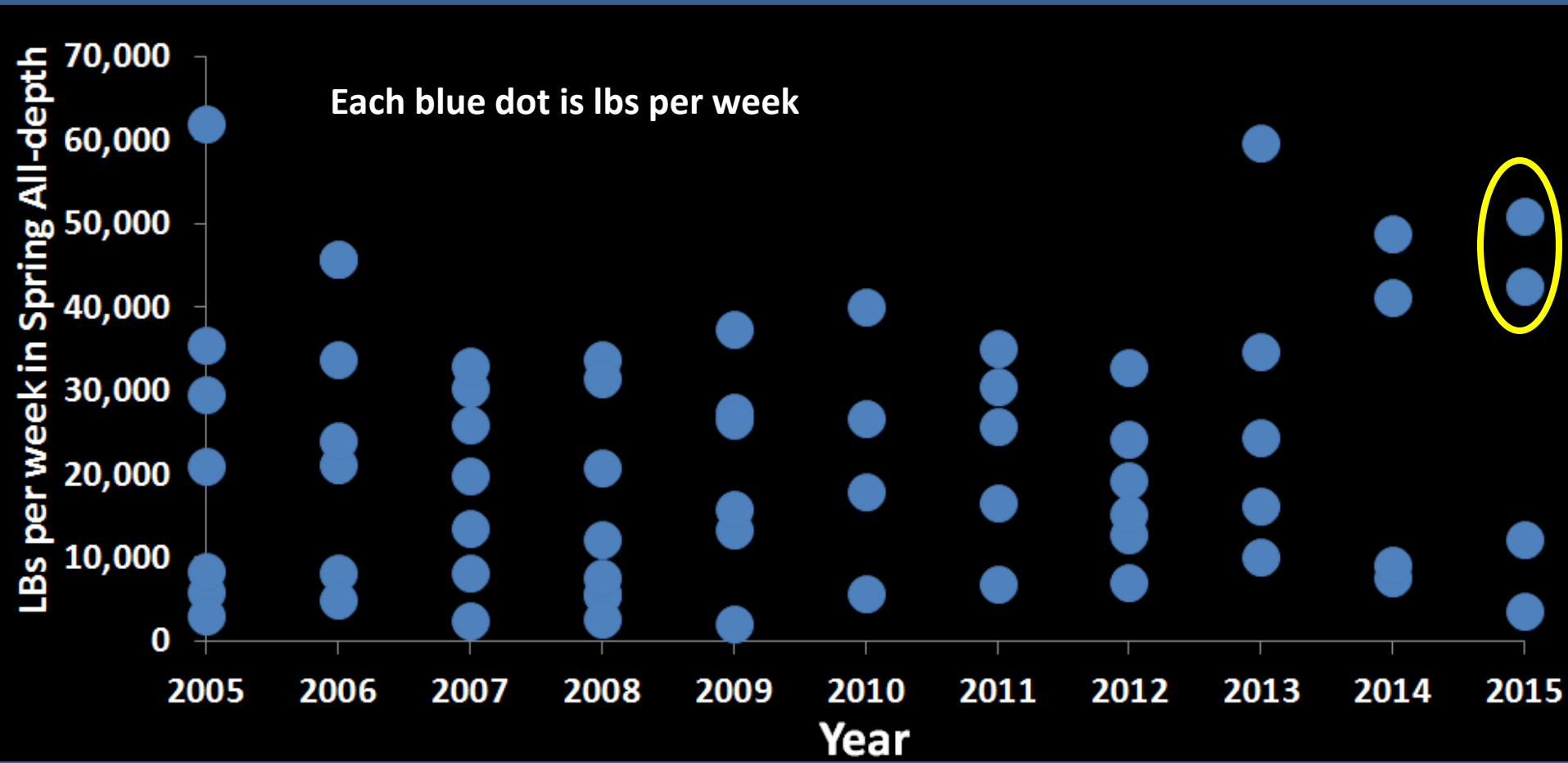
What is the ideal number of Fixed Dates?

Enough dates to catch the whole quota, but not go over

**So set the ideal number
(why are you asking us?)**

Impossible to project 2016 landings to the exact pound for each set of fixed dates

- Weather is unpredictable (drives effort)
- Angler success also changes day-to-day



We can tell you risks of exceeding quotas (for different options of Fixed Dates)

More Fixed Dates = More risk



- 1) One roll per 3 Fixed Dates (# of openers)
- 2) Add the dice (to get total season catch)

Example:

3 Fixed Dates = 1 Roll

6 Fixed Dates = 2 Rolls

9 Fixed Dates = 3 Rolls

How much catch can you get per roll?



Low Catch

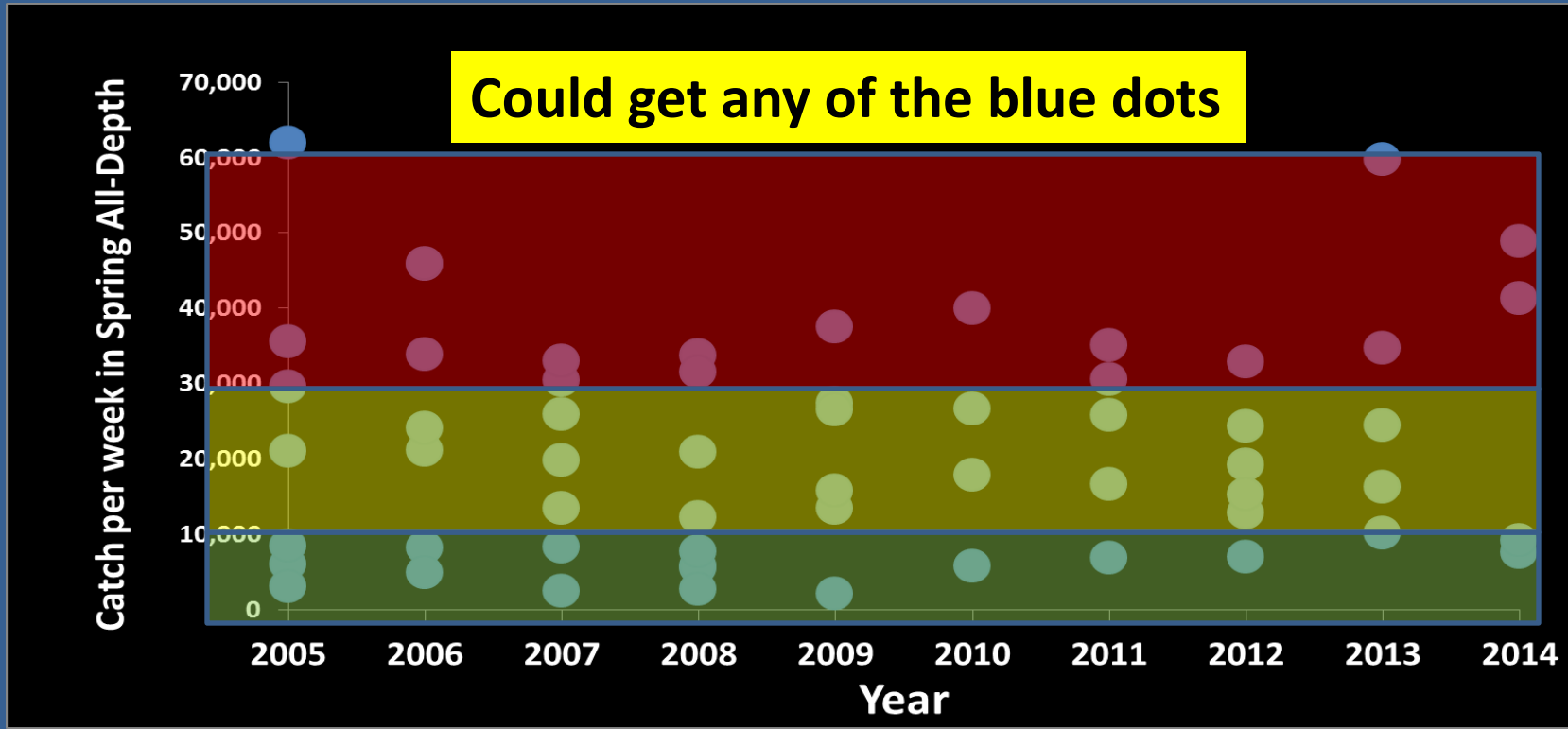
(Bad weather & bite)

Medium Catch

(Okay weather & bite)

High Catch

(Great weather & bite)

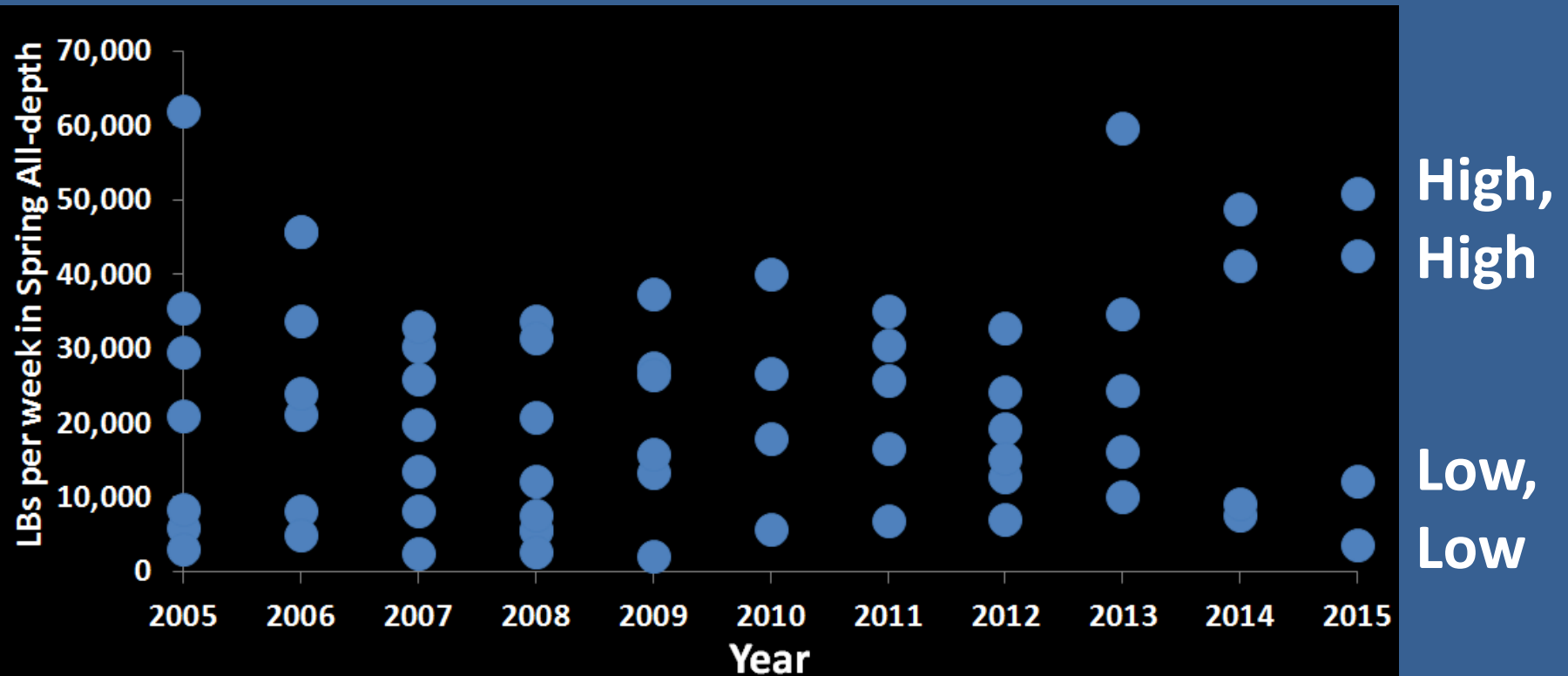


Why not 12 Fixed Dates again?

(Quota 15% higher than in 2015, so why not same days?)

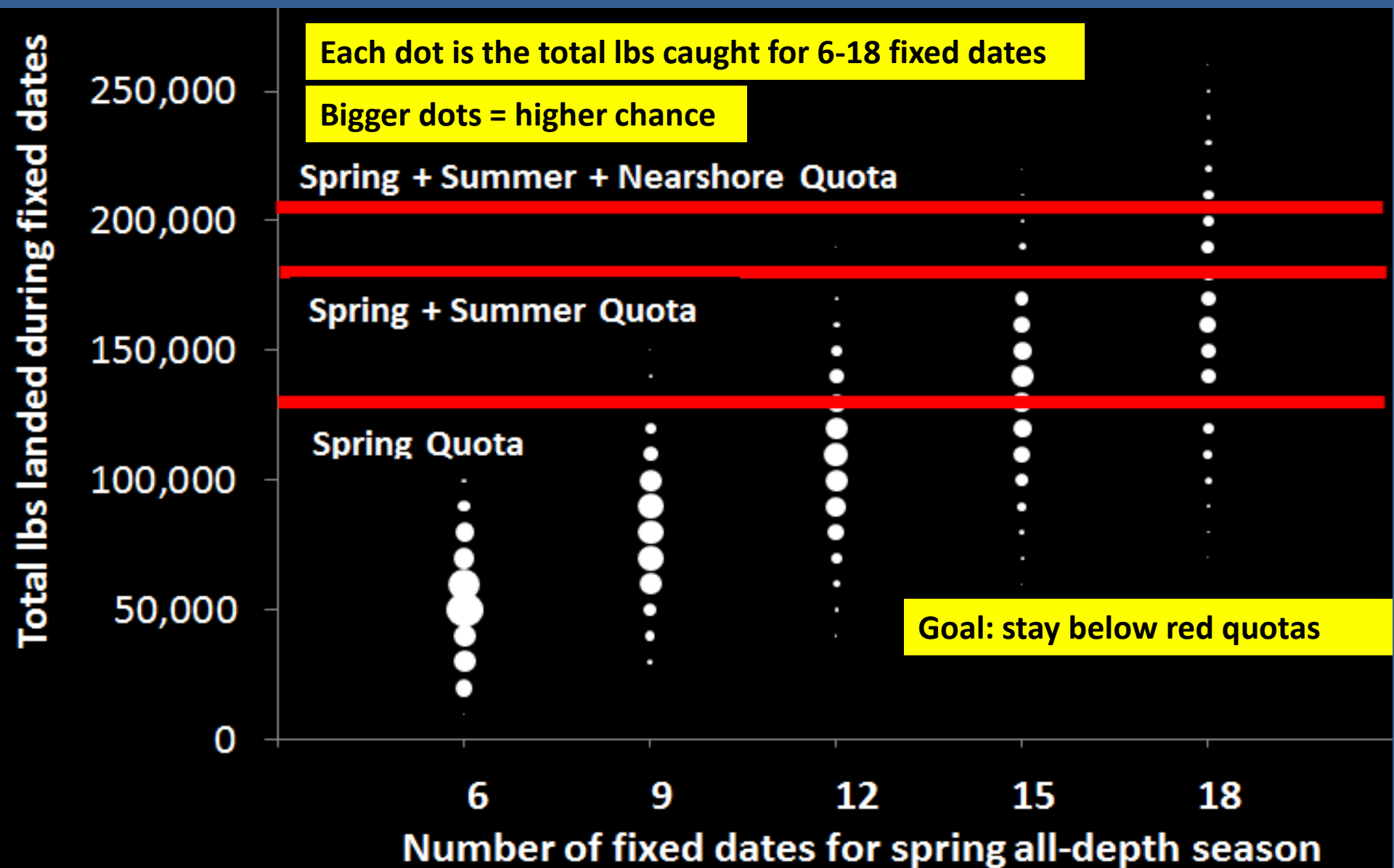


1) Very unlikely to have the same 4 rolls as last year

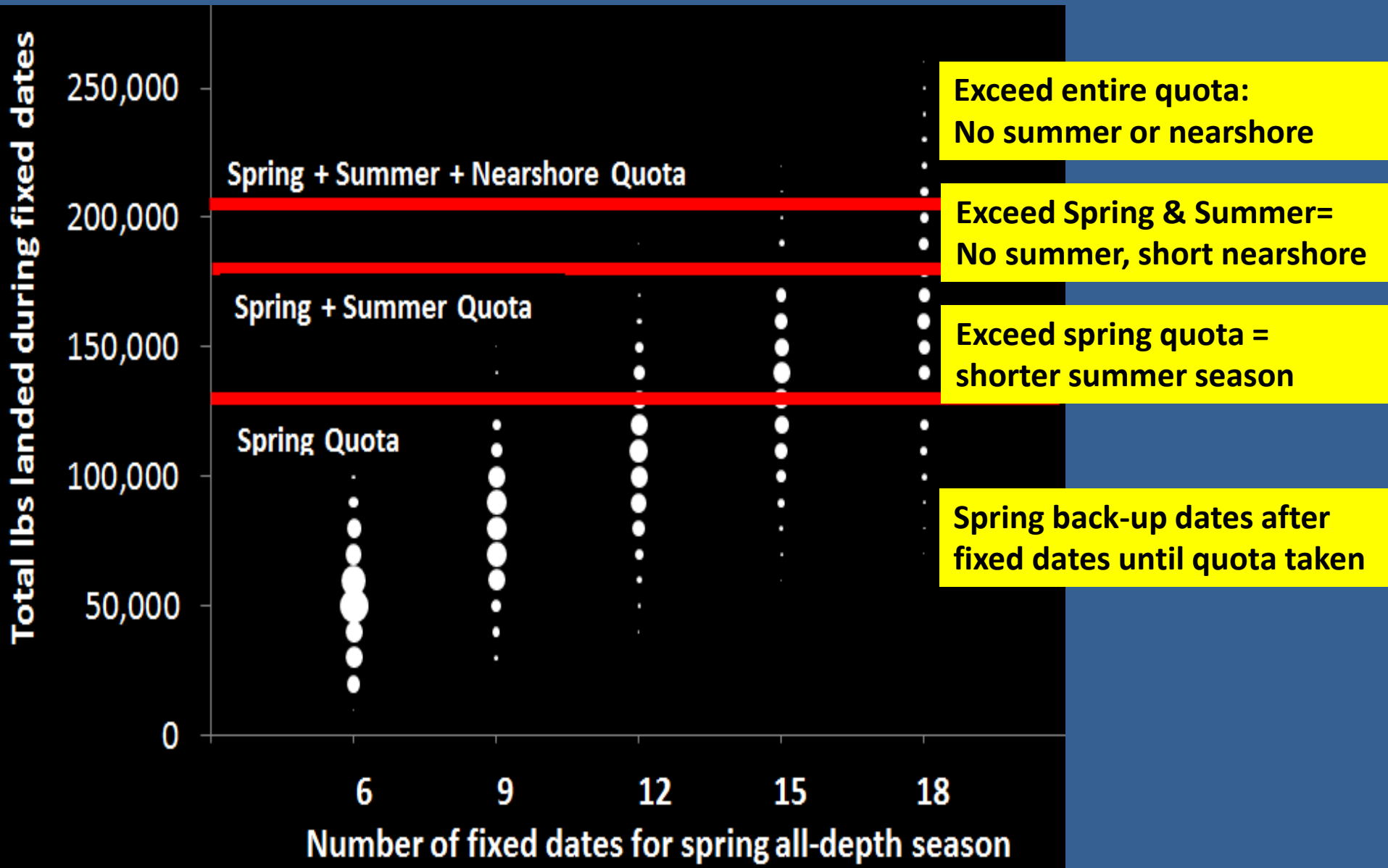


2) Can't know the odds of a dice game based on what a single person rolled

While cannot project the exact 2016 total lbs, here are the chances of what the total lbs will be:



And these are consequences:



This table shows the risks and consequences for each option of fixed dates

# of Fixed Spring Days	Under Spring Quota = Back-up days if quota	Over Spring Quota = Shorter Summer	Over Spring + Summer Quota = No Summer; shorter Nearshore	Above Total Quota = No Summer or Nearshore
6	>99%	<1%	<1%	<1%
9	97%	3%	<1%	<1%
12	79%	21%	<1%	<1%
15	48%	43%	6%	3%
18	27%	41%	13%	19%

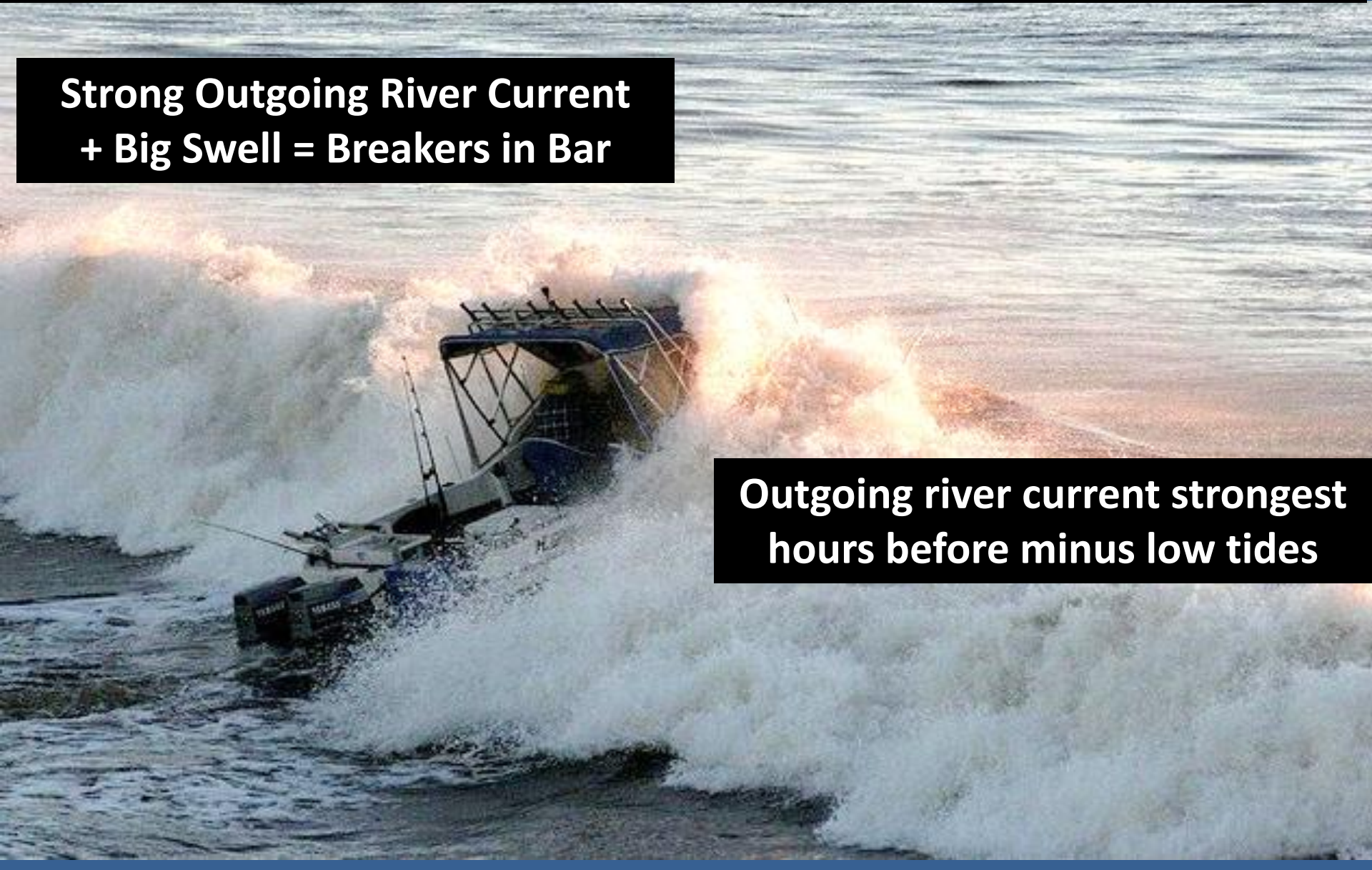
- MORE FIXED DATES = GREATER CHANCE OF A SHORTER OR CLOSED SUMMER SEASON
- LOW CHANCE THAT NEARSHORE WOULD BE CLOSED (UNLESS 18 DAYS)

Task 2: When should Fixed Dates occur?

Occur in back-to-back weeks, but with option to skip adverse tides

**Strong Outgoing River Current
+ Big Swell = Breakers in Bar**

**Outgoing river current strongest
hours before minus low tides**



Here is how to pick the dates:

1) Tell us the number of Fixed Dates:

(a) 9

(b) 12

(c) 15

2) Will show you three tide options for that number

1) “No skip” minus tides

2) “Skip tides” skip early minus tides larger than -1.0

no weekend available in May or June that doesn't have at least one day with a negative tide

3) Tell us which one you like best and why

4) Back-up dates are every other week after the fixed dates

Spring 2016 Tides

MAY			
Date	Day	Tide	Time
1	Sun	0.4	2:21 PM
2	Mon	0.4	3:17 PM
3	Tue	0.5	4:09 PM
4	Wed	0.1	4:57 AM
5	Thu	-0.8	5:47 AM
6	Fri	-1.6	6:36 AM
7	Sat	-2	7:24 AM
8	Sun	-2.1	8:12 AM
9	Mon	-2	9:02 AM
10	Tue	-1.6	9:54 AM
11	Wed	-1	10:48 AM
12	Thu	-0.4	11:45 AM
13	Fri	0.1	12:44 PM
14	Sat	0.6	1:43 PM
15	Sun	1.1	2:39 PM
16	Mon	1.4	3:29 PM
17	Tue	1.1	4:34 AM
18	Wed	0.6	5:14 AM
19	Thu	0.1	5:51 AM
20	Fri	-0.3	6:25 AM
21	Sat	-0.6	6:59 AM
22	Sun	-0.8	7:34 AM
23	Mon	-0.9	8:09 AM
24	Tue	-0.9	8:46 AM
25	Wed	-0.8	9:25 AM
26	Thu	-0.6	10:08 AM
27	Fri	-0.4	10:54 AM
28	Sat	-0.1	11:45 AM
29	Sun	0.3	12:40 PM
30	Mon	0.6	1:37 PM
31	Tue	1	2:34 PM

June			
Date	Day	Tide	Time
1	Wed	0.5	3:49 AM
2	Thu	-0.5	4:43 AM
3	Fri	-1.3	5:34 AM
4	Sat	-1.9	6:23 AM
5	Sun	-2.2	7:11 AM
6	Mon	-2.3	7:58 AM
7	Tue	-2	8:45 AM
8	Wed	-1.6	9:32 AM
9	Thu	-1	10:20 AM
10	Fri	-0.3	11:08 AM
11	Sat	0.4	11:58 AM
12	Sun	1	12:49 PM
13	Mon	1.6	1:41 PM
14	Tue	1.7	3:12 AM
15	Wed	1.1	4:03 AM
16	Thu	0.6	4:47 AM
17	Fri	0.1	5:26 AM
18	Sat	-0.3	6:02 AM
19	Sun	-0.7	6:38 AM
20	Mon	-0.9	7:13 AM
21	Tue	-1.1	7:49 AM
22	Wed	-1.2	8:26 AM
23	Thu	-1.1	9:04 AM
24	Fri	-0.8	9:45 AM
25	Sat	-0.5	10:27 AM
26	Sun	0	11:14 AM
27	Mon	0.6	12:04 PM
28	Tue	1.2	12:59 PM
29	Wed	1	2:30 AM
30	Thu	0.2	3:33 AM

July			
Date	Day	Tide	Time
1	Fri	-0.6	4:30 AM
2	Sat	-1.3	5:22 AM
3	Sun	-1.7	6:11 AM
4	Mon	-1.9	6:57 AM
5	Tue	-1.9	7:42 AM
6	Wed	-1.6	8:25 AM
7	Thu	-1.1	9:07 AM
8	Fri	-0.6	9:48 AM
9	Sat	0.1	10:30 AM
10	Sun	0.8	11:11 AM
11	Mon	1.6	11:55 AM
12	Tue	2.2	1:21 AM
13	Wed	1.8	2:25 AM
14	Thu	1.3	3:23 AM
15	Fri	0.8	4:13 AM
16	Sat	0.3	4:56 AM
17	Sun	-0.1	5:36 AM
18	Mon	-0.5	6:13 AM
19	Tue	-0.9	6:50 AM
20	Wed	-1.1	7:26 AM
21	Thu	-1.1	8:03 AM
22	Fri	-1	8:41 AM
23	Sat	-0.6	9:20 AM
24	Sun	-0.1	10:01 AM
25	Mon	0.6	10:45 AM
26	Tue	1.3	11:35 AM
27	Wed	1.2	12:58 AM
28	Thu	0.7	2:10 AM
29	Fri	0.1	3:17 AM
30	Sat	-0.5	4:17 AM
31	Sun	-0.9	5:10 AM

9 Fixed Days, Option 1: No skipping minus tides

MAY					June					July				
Date	Day	Tide	Time		Date	Day	Tide	Time		Date	Day	Tide	Time	
	1	Sun	0.4	2:21 PM		1	Wed	0.5	3:49 AM	Closed	1	Fri	-0.6	4:30 AM
	2	Mon	0.4	3:17 PM	Closed	2	Thu	-0.5	4:43 AM		2	Sat	-1.3	5:22 AM
	3	Tue	0.5	4:09 PM			3	Fri	-1.3	5:34 AM		3	Sun	-1.7
	4	Wed	0.1	4:57 AM		4	Sat	-1.9	6:23 AM		4	Mon	-1.9	6:57 AM
	5	Thu	-0.8	5:47 AM		5	Sun	-2.2	7:11 AM		5	Tue	-1.9	7:42 AM
	6	Fri	-1.6	6:36 AM		6	Mon	-2.3	7:58 AM	Commercial	6	Wed	-1.6	8:25 AM
	7	Sat	-2	7:24 AM		7	Tue	-2	8:45 AM	Back-up Dates	7	Thu	-1.1	9:07 AM
	8	Sun	-2.1	8:12 AM		8	Wed	-1.6	9:32 AM		8	Fri	-0.6	9:48 AM
	9	Mon	-2	9:02 AM	Back-up Dates	9	Thu	-1	10:20 AM		9	Sat	0.1	10:30 AM
	10	Tue	-1.6	9:54 AM			10	Fri	-0.3	11:08 AM		10	Sun	0.8
	11	Wed	-1	10:48 AM		11	Sat	0.4	11:58 AM		11	Mon	1.6	11:55 AM
Fixed Dates	12	Thu	-0.4	11:45 AM		12	Sun	1	12:49 PM		12	Tue	2.2	1:21 AM
	13	Fri	0.1	12:44 PM		13	Mon	1.6	1:41 PM	Closed	13	Wed	1.8	2:25 AM
	14	Sat	0.6	1:43 PM		14	Tue	1.7	3:12 AM		14	Thu	1.3	3:23 AM
	15	Sun	1.1	2:39 PM	Closed	15	Wed	1.1	4:03 AM		15	Fri	0.8	4:13 AM
	16	Mon	1.4	3:29 PM			16	Thu	0.6	4:47 AM		16	Sat	0.3
	17	Tue	1.1	4:34 AM		17	Fri	0.1	5:26 AM		17	Sun	-0.1	5:36 AM
	18	Wed	0.6	5:14 AM	Closed	18	Sat	-0.3	6:02 AM		18	Mon	-0.5	6:13 AM
Fixed Dates	19	Thu	0.1	5:51 AM			19	Sun	-0.7	6:38 AM		19	Tue	-0.9
	20	Fri	-0.3	6:25 AM		20	Mon	-0.9	7:13 AM	Commercial	20	Wed	-1.1	7:26 AM
	21	Sat	-0.6	6:59 AM		21	Tue	-1.1	7:49 AM	Back-up Dates	21	Thu	-1.1	8:03 AM
	22	Sun	-0.8	7:34 AM	Commercial	22	Wed	-1.2	8:26 AM			22	Fri	-1
	23	Mon	-0.9	8:09 AM	Back-up Dates	23	Thu	-1.1	9:04 AM		23	Sat	-0.6	9:20 AM
	24	Tue	-0.9	8:46 AM			24	Fri	-0.8	9:45 AM		24	Sun	-0.1
	25	Wed	-0.8	9:25 AM		25	Sat	-0.5	10:27 AM		25	Mon	0.6	10:45 AM
Fixed Dates	26	Thu	-0.6	10:08 AM		26	Sun	0	11:14 AM		26	Tue	1.3	11:35 AM
	27	Fri	-0.4	10:54 AM		27	Mon	0.6	12:04 PM	Closed	27	Wed	1.2	12:58 AM
	28	Sat	-0.1	11:45 AM		28	Tue	1.2	12:59 PM			28	Thu	0.7
	29	Sun	0.3	12:40 PM	Closed	29	Wed	1	2:30 AM		29	Fri	0.1	3:17 AM
	30	Mon	0.6	1:37 PM			30	Thu	0.2	3:33 AM		30	Sat	-0.5
	31	Tue	1	2:34 PM							31	Sun	-0.9	5:10 AM

12 Fixed Days, Option 1: No skipping minus tides

MAY					June					July				
Date	Day	Tide	Time		Date	Day	Tide	Time		Date	Day	Tide	Time	
1	Sun	0.4	2:21 PM		1	Wed	0.5	3:49 AM	Back-up Dates	1	Fri	-0.6	4:30 AM	
2	Mon	0.4	3:17 PM	Fixed Dates	2	Thu	-0.5	4:43 AM	Back-up Dates	2	Sat	-1.3	5:22 AM	
3	Tue	0.5	4:09 PM		3	Fri	-1.3	5:34 AM		3	Sun	-1.7	6:11 AM	
4	Wed	0.1	4:57 AM		4	Sat	-1.9	6:23 AM		4	Mon	-1.9	6:57 AM	
5	Thu	-0.8	5:47 AM		5	Sun	-2.2	7:11 AM		5	Tue	-1.9	7:42 AM	
6	Fri	-1.6	6:36 AM		6	Mon	-2.3	7:58 AM	Commercial	6	Wed	-1.6	8:25 AM	
7	Sat	-2	7:24 AM		7	Tue	-2	8:45 AM	Closed	7	Thu	-1.1	9:07 AM	
8	Sun	-2.1	8:12 AM		8	Wed	-1.6	9:32 AM		8	Fri	-0.6	9:48 AM	
9	Mon	-2	9:02 AM	Closed	9	Thu	-1	10:20 AM		9	Sat	0.1	10:30 AM	
10	Tue	-1.6	9:54 AM		10	Fri	-0.3	11:08 AM		10	Sun	0.8	11:11 AM	
11	Wed	-1	10:48 AM		11	Sat	0.4	11:58 AM		11	Mon	1.6	11:55 AM	
12	Thu	-0.4	11:45 AM		12	Sun	1	12:49 PM		12	Tue	2.2	1:21 AM	
13	Fri	0.1	12:44 PM		13	Mon	1.6	1:41 PM	Back-up Dates	13	Wed	1.8	2:25 AM	
14	Sat	0.6	1:43 PM		14	Tue	1.7	3:12 AM		14	Thu	1.3	3:23 AM	
15	Sun	1.1	2:39 PM		15	Wed	1.1	4:03 AM	Back-up Dates	15	Fri	0.8	4:13 AM	
16	Mon	1.4	3:29 PM	Back-up Dates	16	Thu	0.6	4:47 AM		16	Sat	0.3	4:56 AM	
17	Tue	1.1	4:34 AM		17	Fri	0.1	5:26 AM		17	Sun	-0.1	5:36 AM	
18	Wed	0.6	5:14 AM		18	Sat	-0.3	6:02 AM		18	Mon	-0.5	6:13 AM	
19	Thu	0.1	5:51 AM		19	Sun	-0.7	6:38 AM	Commercial	19	Tue	-0.9	6:50 AM	
20	Fri	-0.3	6:25 AM		20	Mon	-0.9	7:13 AM	Closed	20	Wed	-1.1	7:26 AM	
21	Sat	-0.6	6:59 AM	Commercial	21	Tue	-1.1	7:49 AM		21	Thu	-1.1	8:03 AM	
22	Sun	-0.8	7:34 AM	Closed	22	Wed	-1.2	8:26 AM		22	Fri	-1	8:41 AM	
23	Mon	-0.9	8:09 AM		23	Thu	-1.1	9:04 AM		23	Sat	-0.6	9:20 AM	
24	Tue	-0.9	8:46 AM		24	Fri	-0.8	9:45 AM		24	Sun	-0.1	10:01 AM	
25	Wed	-0.8	9:25 AM		25	Sat	-0.5	10:27 AM		25	Mon	0.6	10:45 AM	
26	Thu	-0.6	10:08 AM		26	Sun	0	11:14 AM		26	Tue	1.3	11:35 AM	
27	Fri	-0.4	10:54 AM		27	Mon	0.6	12:04 PM	Back-up Dates	27	Wed	1.2	12:58 AM	
28	Sat	-0.1	11:45 AM		28	Tue	1.2	12:59 PM		28	Thu	0.7	2:10 AM	
29	Sun	0.3	12:40 PM		29	Wed	1	2:30 AM		29	Fri	0.1	3:17 AM	
30	Mon	0.6	1:37 PM		30	Thu	0.2	3:33 AM		30	Sat	-0.5	4:17 AM	
31	Tue	1	2:34 PM							31	Sun	-0.9	5:10 AM	

12 Fixed Days, Option 2: Skip minus tides > -1.0

MAY					June					July				
Date	Day	Tide	Time		Date	Day	Tide	Time		Date	Day	Tide	Time	
1	Sun	0.4	2:21 PM		1	Wed	0.5	3:49 AM	Closed	1	Fri	-0.6	4:30 AM	
2	Mon	0.4	3:17 PM	Closed	2	Thu	-0.5	4:43 AM	Closed	2	Sat	-1.3	5:22 AM	
3	Tue	0.5	4:09 PM		3	Fri	-1.3	5:34 AM		3	Sun	-1.7	6:11 AM	
4	Wed	0.1	4:57 AM		4	Sat	-1.9	6:23 AM		4	Mon	-1.9	6:57 AM	
5	Thu	-0.8	5:47 AM		5	Sun	-2.2	7:11 AM		5	Tue	-1.9	7:42 AM	
6	Fri	-1.6	6:36 AM		6	Mon	-2.3	7:58 AM	Commercial	6	Wed	-1.6	8:25 AM	
7	Sat	-2	7:24 AM		7	Tue	-2	8:45 AM	Back-up Dates	7	Thu	-1.1	9:07 AM	
8	Sun	-2.1	8:12 AM		8	Wed	-1.6	9:32 AM		8	Fri	-0.6	9:48 AM	
9	Mon	-2	9:02 AM	Fixed Dates	9	Thu	-1	10:20 AM		9	Sat	0.1	10:30 AM	
10	Tue	-1.6	9:54 AM		10	Fri	-0.3	11:08 AM		10	Sun	0.8	11:11 AM	
11	Wed	-1	10:48 AM		11	Sat	0.4	11:58 AM		11	Mon	1.6	11:55 AM	
Fixed Dates	12	Thu	-0.4	11:45 AM		12	Sun	1	12:49 PM		12	Tue	2.2	1:21 AM
	13	Fri	0.1	12:44 PM		13	Mon	1.6	1:41 PM		13	Wed	1.8	2:25 AM
	14	Sat	0.6	1:43 PM		14	Tue	1.7	3:12 AM	Closed	14	Thu	1.3	3:23 AM
	15	Sun	1.1	2:39 PM		15	Wed	1.1	4:03 AM	Closed	15	Fri	0.8	4:13 AM
	16	Mon	1.4	3:29 PM	Closed	16	Thu	0.6	4:47 AM		16	Sat	0.3	4:56 AM
	17	Tue	1.1	4:34 AM		17	Fri	0.1	5:26 AM		17	Sun	-0.1	5:36 AM
	18	Wed	0.6	5:14 AM		18	Sat	-0.3	6:02 AM		18	Mon	-0.5	6:13 AM
Fixed Dates	19	Thu	0.1	5:51 AM		19	Sun	-0.7	6:38 AM		19	Tue	-0.9	6:50 AM
	20	Fri	-0.3	6:25 AM		20	Mon	-0.9	7:13 AM	Commercial	20	Wed	-1.1	7:26 AM
	21	Sat	-0.6	6:59 AM		21	Tue	-1.1	7:49 AM	Back-up Dates	21	Thu	-1.1	8:03 AM
	22	Sun	-0.8	7:34 AM	Commercial	22	Wed	-1.2	8:26 AM		22	Fri	-1	8:41 AM
	23	Mon	-0.9	8:09 AM	Back-up Dates	23	Thu	-1.1	9:04 AM		23	Sat	-0.6	9:20 AM
	24	Tue	-0.9	8:46 AM		24	Fri	-0.8	9:45 AM		24	Sun	-0.1	10:01 AM
	25	Wed	-0.8	9:25 AM		25	Sat	-0.5	10:27 AM		25	Mon	0.6	10:45 AM
Fixed Dates	26	Thu	-0.6	10:08 AM		26	Sun	0	11:14 AM		26	Tue	1.3	11:35 AM
	27	Fri	-0.4	10:54 AM		27	Mon	0.6	12:04 PM		27	Wed	1.2	12:58 AM
	28	Sat	-0.1	11:45 AM		28	Tue	1.2	12:59 PM	Closed	28	Thu	0.7	2:10 AM
	29	Sun	0.3	12:40 PM		29	Wed	1	2:30 AM	Closed	29	Fri	0.1	3:17 AM
	30	Mon	0.6	1:37 PM		30	Thu	0.2	3:33 AM		30	Sat	-0.5	4:17 AM
	31	Tue	1	2:34 PM							31	Sun	-0.9	5:10 AM

15 Fixed Days, Option 1: No skipping minus tides

MAY					June					July				
Date	Day	Tide	Time		Date	Day	Tide	Time		Date	Day	Tide	Time	
1	Sun	0.4	2:21 PM	Fixed Dates	1	Wed	0.5	3:49 AM	Closed	1	Fri	-0.6	4:30 AM	
2	Mon	0.4	3:17 PM		2	Thu	-0.5	4:43 AM		2	Sat	-1.3	5:22 AM	
3	Tue	0.5	4:09 PM		3	Fri	-1.3	5:34 AM	3	Sun	-1.7	6:11 AM		
4	Wed	0.1	4:57 AM		4	Sat	-1.9	6:23 AM	4	Mon	-1.9	6:57 AM		
5	Thu	-0.8	5:47 AM	Fixed Dates	5	Sun	-2.2	7:11 AM	Commercial	5	Tue	-1.9	7:42 AM	
6	Fri	-1.6	6:36 AM		6	Mon	-2.3	7:58 AM		6	Wed	-1.6	8:25 AM	
7	Sat	-2	7:24 AM		7	Tue	-2	8:45 AM	7	Thu	-1.1	9:07 AM		
8	Sun	-2.1	8:12 AM		8	Wed	-1.6	9:32 AM	8	Fri	-0.6	9:48 AM		
9	Mon	-2	9:02 AM	Fixed Dates	9	Thu	-1	10:20 AM	Back-up Dates	9	Sat	0.1	10:30 AM	
10	Tue	-1.6	9:54 AM		10	Fri	-0.3	11:08 AM		10	Sun	0.8	11:11 AM	
11	Wed	-1	10:48 AM		11	Sat	0.4	11:58 AM	11	Mon	1.6	11:55 AM		
12	Thu	-0.4	11:45 AM		12	Sun	1	12:49 PM	12	Tue	2.2	1:21 AM		
13	Fri	0.1	12:44 PM	Closed	13	Mon	1.6	1:41 PM	Closed	13	Wed	1.8	2:25 AM	
14	Sat	0.6	1:43 PM		14	Tue	1.7	3:12 AM		14	Thu	1.3	3:23 AM	
15	Sun	1.1	2:39 PM		15	Wed	1.1	4:03 AM	15	Fri	0.8	4:13 AM		
16	Mon	1.4	3:29 PM		16	Thu	0.6	4:47 AM	16	Sat	0.3	4:56 AM		
17	Tue	1.1	4:34 AM	Commercial	17	Fri	0.1	5:26 AM	Back-up Dates	17	Sun	-0.1	5:36 AM	
18	Wed	0.6	5:14 AM		18	Sat	-0.3	6:02 AM		18	Mon	-0.5	6:13 AM	
19	Thu	0.1	5:51 AM		19	Sun	-0.7	6:38 AM	19	Tue	-0.9	6:50 AM		
20	Fri	-0.3	6:25 AM		20	Mon	-0.9	7:13 AM	20	Wed	-1.1	7:26 AM		
21	Sat	-0.6	6:59 AM	Back-up Dates	21	Tue	-1.1	7:49 AM	Back-up Dates	21	Thu	-1.1	8:03 AM	
22	Sun	-0.8	7:34 AM		22	Wed	-1.2	8:26 AM		22	Fri	-1	8:41 AM	
23	Mon	-0.9	8:09 AM		23	Thu	-1.1	9:04 AM	23	Sat	-0.6	9:20 AM		
24	Tue	-0.9	8:46 AM		24	Fri	-0.8	9:45 AM	24	Sun	-0.1	10:01 AM		
25	Wed	-0.8	9:25 AM	Fixed Dates	25	Sat	-0.5	10:27 AM	Closed	25	Mon	0.6	10:45 AM	
26	Thu	-0.6	10:08 AM		26	Sun	0	11:14 AM		26	Tue	1.3	11:35 AM	
27	Fri	-0.4	10:54 AM		27	Mon	0.6	12:04 PM	27	Wed	1.2	12:58 AM		
28	Sat	-0.1	11:45 AM		28	Tue	1.2	12:59 PM	28	Thu	0.7	2:10 AM		
29	Sun	0.3	12:40 PM	Closed	29	Wed	1	2:30 AM	29	Fri	0.1	3:17 AM		
30	Mon	0.6	1:37 PM		30	Thu	0.2	3:33 AM	30	Sat	-0.5	4:17 AM		
31	Tue	1	2:34 PM						31	Sun	-0.9	5:10 AM		

15 Fixed Days, Option 2: Skip minus tides > -1.0 ft

MAY					June					July				
Date	Day	Tide	Time		Date	Day	Tide	Time		Date	Day	Tide	Time	
1	Sun	0.4	2:21 PM		1	Wed	0.5	3:49 AM	Back-up Dates	1	Fri	-0.6	4:30 AM	
2	Mon	0.4	3:17 PM	Closed	2	Thu	-0.5	4:43 AM		2	Sat	-1.3	5:22 AM	
3	Tue	0.5	4:09 PM		3	Fri	-1.3	5:34 AM		3	Sun	-1.7	6:11 AM	
4	Wed	0.1	4:57 AM		4	Sat	-1.9	6:23 AM		4	Mon	-1.9	6:57 AM	
5	Thu	-0.8	5:47 AM		5	Sun	-2.2	7:11 AM		5	Tue	-1.9	7:42 AM	
6	Fri	-1.6	6:36 AM		6	Mon	-2.3	7:58 AM	Commercial	6	Wed	-1.6	8:25 AM	
7	Sat	-2	7:24 AM		7	Tue	-2	8:45 AM	Closed	7	Thu	-1.1	9:07 AM	
8	Sun	-2.1	8:12 AM		8	Wed	-1.6	9:32 AM		8	Fri	-0.6	9:48 AM	
9	Mon	-2	9:02 AM	Fixed Dates	9	Thu	-1	10:20 AM		9	Sat	0.1	10:30 AM	
10	Tue	-1.6	9:54 AM		10	Fri	-0.3	11:08 AM		10	Sun	0.8	11:11 AM	
11	Wed	-1	10:48 AM		11	Sat	0.4	11:58 AM		11	Mon	1.6	11:55 AM	
12	Thu	-0.4	11:45 AM		12	Sun	1	12:49 PM		12	Tue	2.2	1:21 AM	
13	Fri	0.1	12:44 PM		13	Mon	1.6	1:41 PM		13	Wed	1.8	2:25 AM	
14	Sat	0.6	1:43 PM		14	Tue	1.7	3:12 AM	Back-up Dates	14	Thu	1.3	3:23 AM	
15	Sun	1.1	2:39 PM		15	Wed	1.1	4:03 AM		15	Fri	0.8	4:13 AM	
16	Mon	1.4	3:29 PM	Fixed Dates	16	Thu	0.6	4:47 AM		16	Sat	0.3	4:56 AM	
17	Tue	1.1	4:34 AM		17	Fri	0.1	5:26 AM		17	Sun	-0.1	5:36 AM	
18	Wed	0.6	5:14 AM		18	Sat	-0.3	6:02 AM		18	Mon	-0.5	6:13 AM	
19	Thu	0.1	5:51 AM		19	Sun	-0.7	6:38 AM		19	Tue	-0.9	6:50 AM	
20	Fri	-0.3	6:25 AM		20	Mon	-0.9	7:13 AM	Commercial	20	Wed	-1.1	7:26 AM	
21	Sat	-0.6	6:59 AM		21	Tue	-1.1	7:49 AM	Closed	21	Thu	-1.1	8:03 AM	
22	Sun	-0.8	7:34 AM	Commercial	22	Wed	-1.2	8:26 AM		22	Fri	-1	8:41 AM	
23	Mon	-0.9	8:09 AM	Closed	23	Thu	-1.1	9:04 AM		23	Sat	-0.6	9:20 AM	
24	Tue	-0.9	8:46 AM		24	Fri	-0.8	9:45 AM		24	Sun	-0.1	10:01 AM	
25	Wed	-0.8	9:25 AM		25	Sat	-0.5	10:27 AM		25	Mon	0.6	10:45 AM	
26	Thu	-0.6	10:08 AM		26	Sun	0	11:14 AM		26	Tue	1.3	11:35 AM	
27	Fri	-0.4	10:54 AM		27	Mon	0.6	12:04 PM		27	Wed	1.2	12:58 AM	
28	Sat	-0.1	11:45 AM		28	Tue	1.2	12:59 PM	Back-up Dates	28	Thu	0.7	2:10 AM	
29	Sun	0.3	12:40 PM		29	Wed	1	2:30 AM		29	Fri	0.1	3:17 AM	
30	Mon	0.6	1:37 PM		30	Thu	0.2	3:33 AM		30	Sat	-0.5	4:17 AM	
31	Tue	1	2:34 PM							31	Sun	-0.9	5:10 AM	