



Exhibit B

2017 Pacific Halibut Fisheries



21 April 2017

Chris Kern

Marine Resources Program



Commission Actions

- Sport and commercial Pacific Halibut fisheries
 1. Adopt IPHC harvest levels
 2. Adopt changes to the federal Catch Sharing Plan (CSP)
 3. Adopt mandatory descending devices
 4. Adopt recreational season dates
 5. Adopt IPHC commercial opening dates



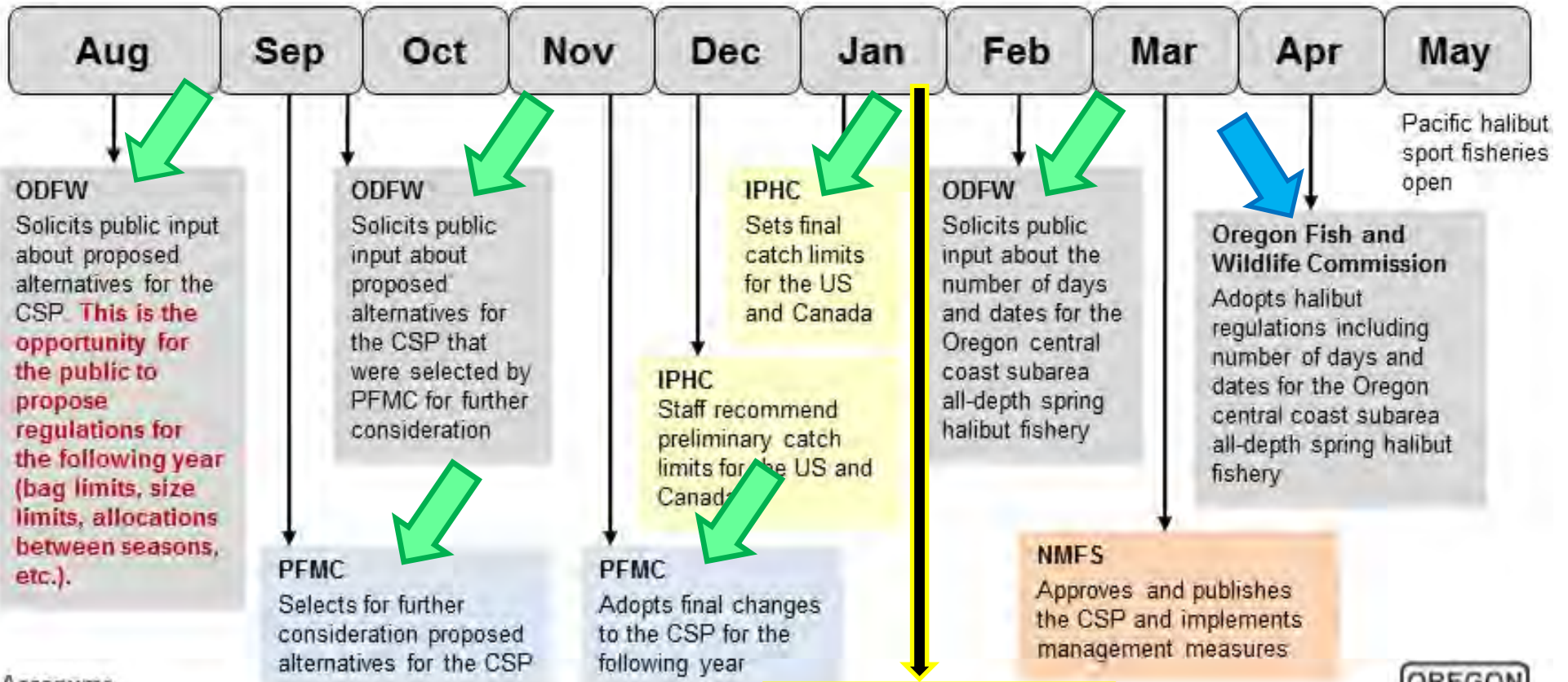
Halibut Regulations Process





Timeline for Setting Pacific Halibut Sport Fishing Regulations in Oregon

- Numerous agencies and steps are involved in setting up Oregon's Pacific halibut sport fishery each year.
- The process begins in August when alternatives are proposed for the Catch Sharing Plan (CSP).
- The CSP indicates how Pacific halibut are allocated between user groups in Oregon, Washington and California, and it spells out how Pacific halibut will be managed during the year.



Acronyms

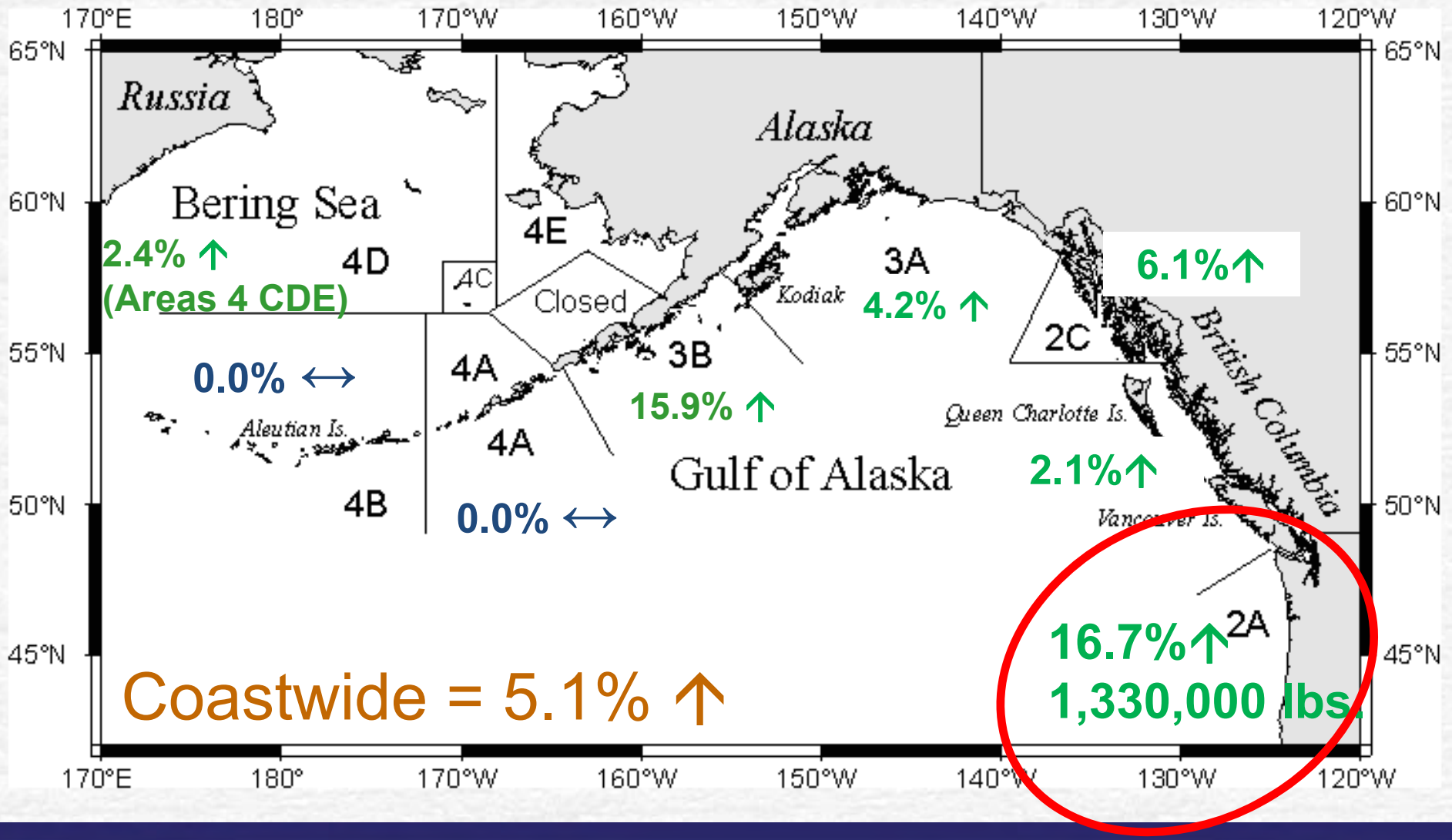
| | |
|------|--|
| CSP | Catch Sharing Plan |
| IPHC | International Pacific Halibut Commission |
| NMFS | National Marine Fisheries Service |
| ODFW | Oregon Department of Fish and Wildlife |
| PFMC | Pacific Fishery Management Council |



March 2015




Halibut TAC by Area

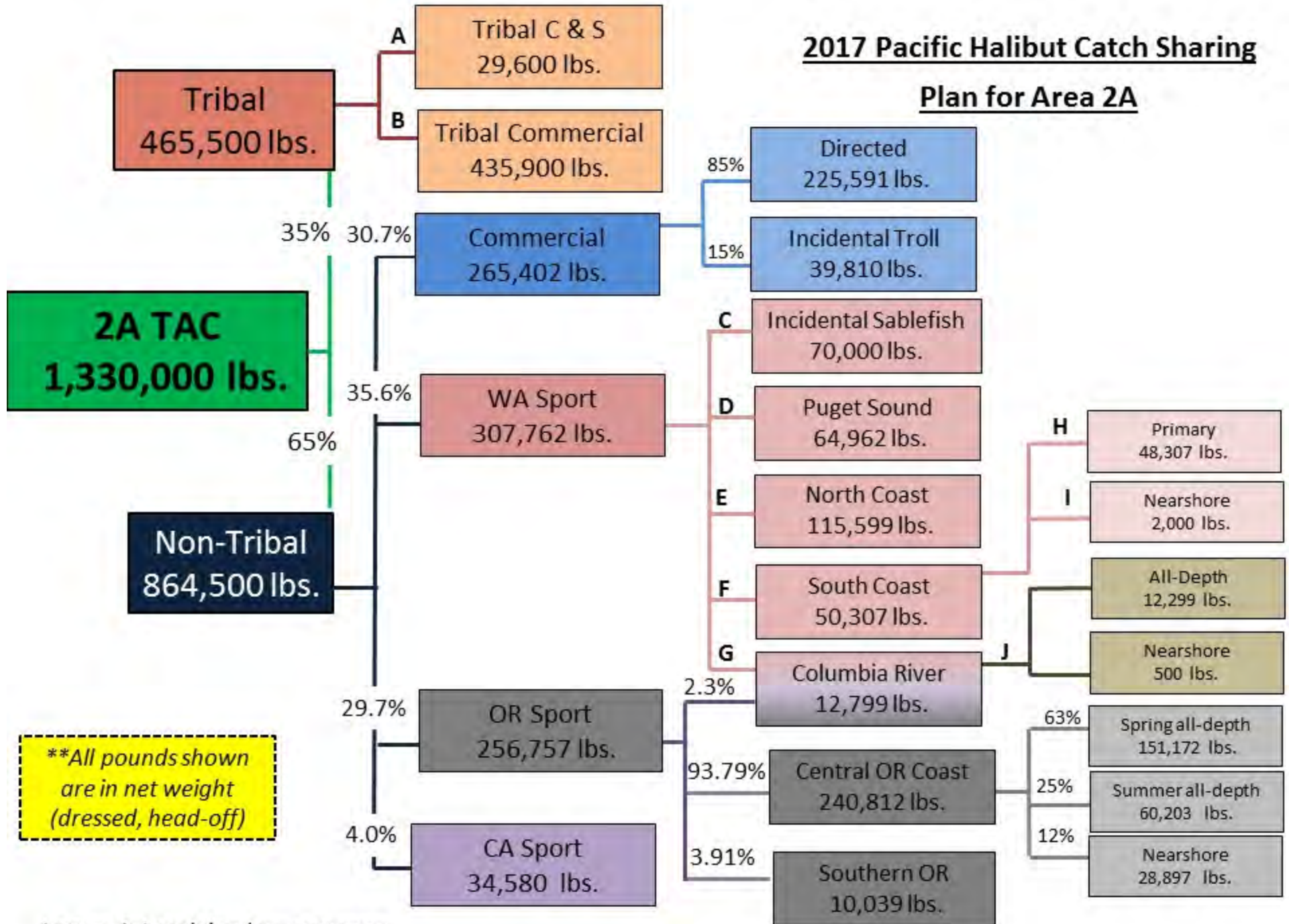




2A Total Allowable Catch (TAC)

- New survey stations in Northern California in 2013 & 2014
 -  2A % of TAC
- Stock trend in 2A has been relatively stable over last 5 years
 - 2016 survey had highest survey WPUE in 10 years
- Area 2A TAC for 2017 = 1,330,000 lbs.
 - Up 190,000 lbs. (16.7%) from 2016

2017 Pacific Halibut Catch Sharing Plan for Area 2A



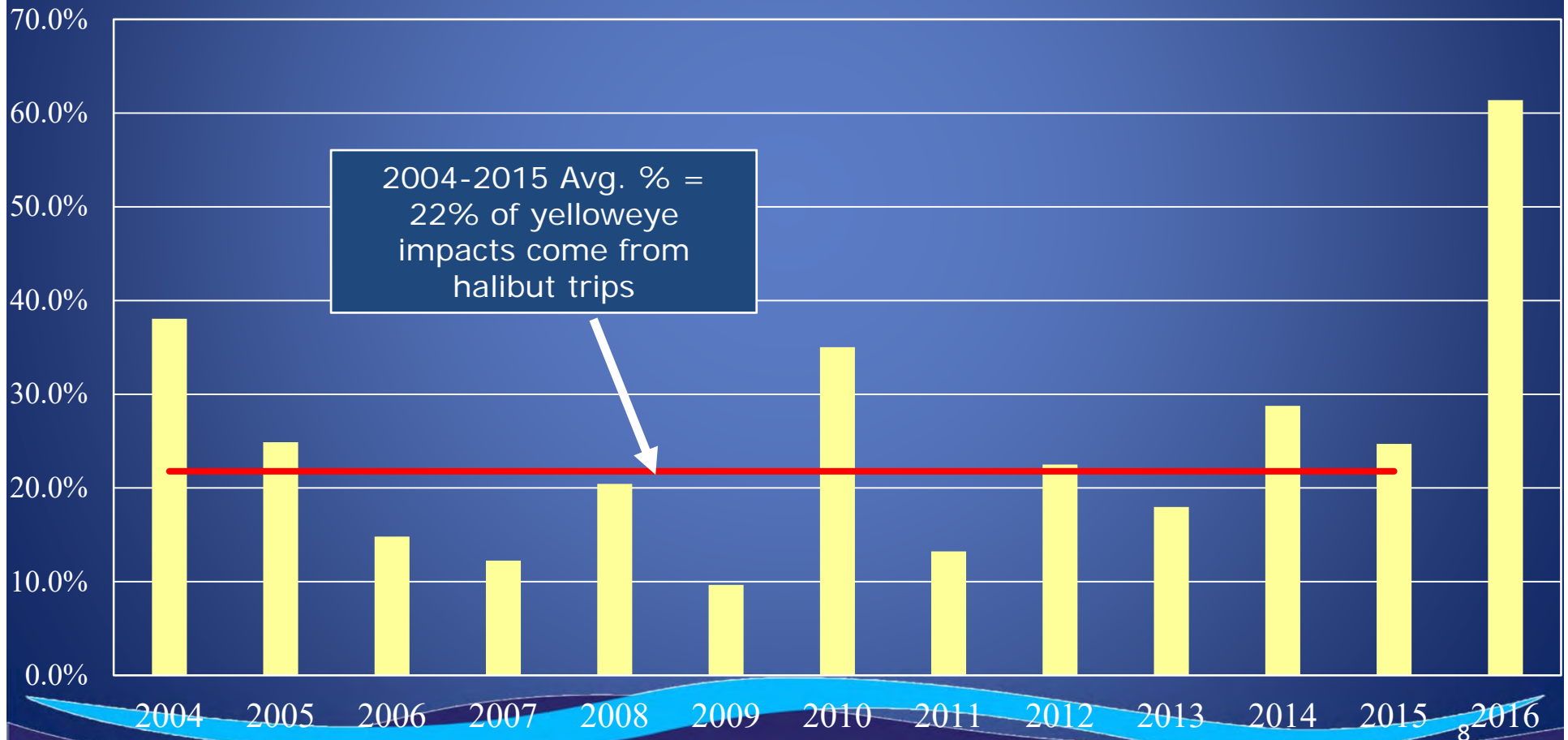
****All pounds shown are in net weight (dressed, head-off)**

Letters A-J explained on next page



Changes to the Catch Sharing Plan (CSP)

- If yelloweye rockfish impacts are projected to exceed 22% of the total allowable impacts, the halibut seasons *may* be adjusted





Changes to the CSP

- Central Oregon Coast All-Depth
 - Requested by anglers
 - If the bottomfish fishery is also open to all depths, bottomfish and halibut may be retained on the same trip
 - E.g. if the bottomfish fishery is able to return to all-depths in October, if there are all-depth halibut days also open, anglers may retain bottomfish on their halibut trips
 - Does not apply to the new longleader gear fishery
 - Low number of anticipated angler trips
 - potential yelloweye rockfish impacts are low



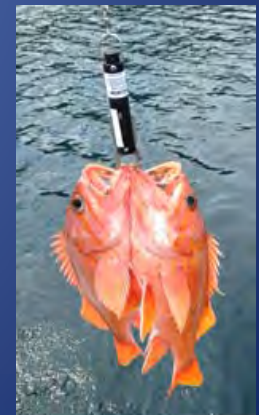
Changes to the CSP

- Central Oregon Coast Nearshore
 - Allow other species of flatfish retention outside of the seasonal bottomfish depth restrictions
 - E.g. if fishing for nearshore halibut at 38 fm, can also retain Petrale sole or sanddab, even if bottomfish is restricted to inside of 30 fm
 - Consistent regulation with the all-depth fishery
 - Requested by anglers
 - Provides some additional opportunity



Mandatory Descending Devices

- Similar to regulation adopted for bottomfish last December
- Receive “credit” for use of descending devices for yelloweye and canary rockfish
 - 50-100 fm- 100% surface mortality rate
 - 57 % descending device mortality rate
- Outreach and education
 - Over 12,000 devices distributed
 - (through a variety of grants and partners)
 - Online “how to” videos





Recreational Fishing Seasons

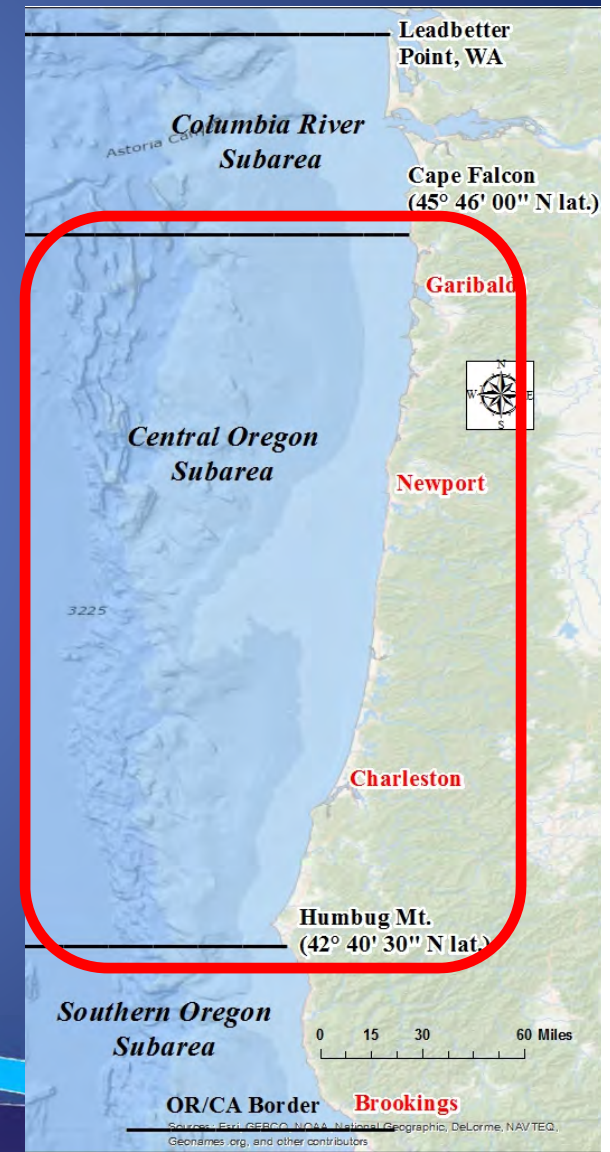


Numbers indicate individual boats leaving Newport on a summer all-depth halibut day.
Photo taken at 6:15 a.m.



Central Oregon Coast Subarea Seasons

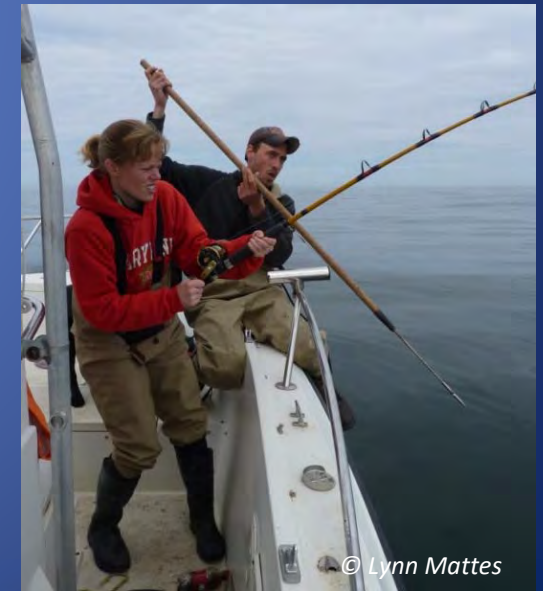
- Spring all-depth dates recommended annually by ODFW
 - “fixed” and “back-up” dates
 - Within limitations in the CSP
 - Accommodate angler preferences
 - Public input via:
 - e-mail, phone calls, a public meeting which was webcast, and online survey
 - 115 individuals





Central Oregon Coast Subarea Seasons

- How many “fixed dates”?
 - “Fixed dates” allow anglers to make plans
 - Too few could leave quota on the table
 - Too many could exceed quota
 - subtracted from summer and/or nearshore

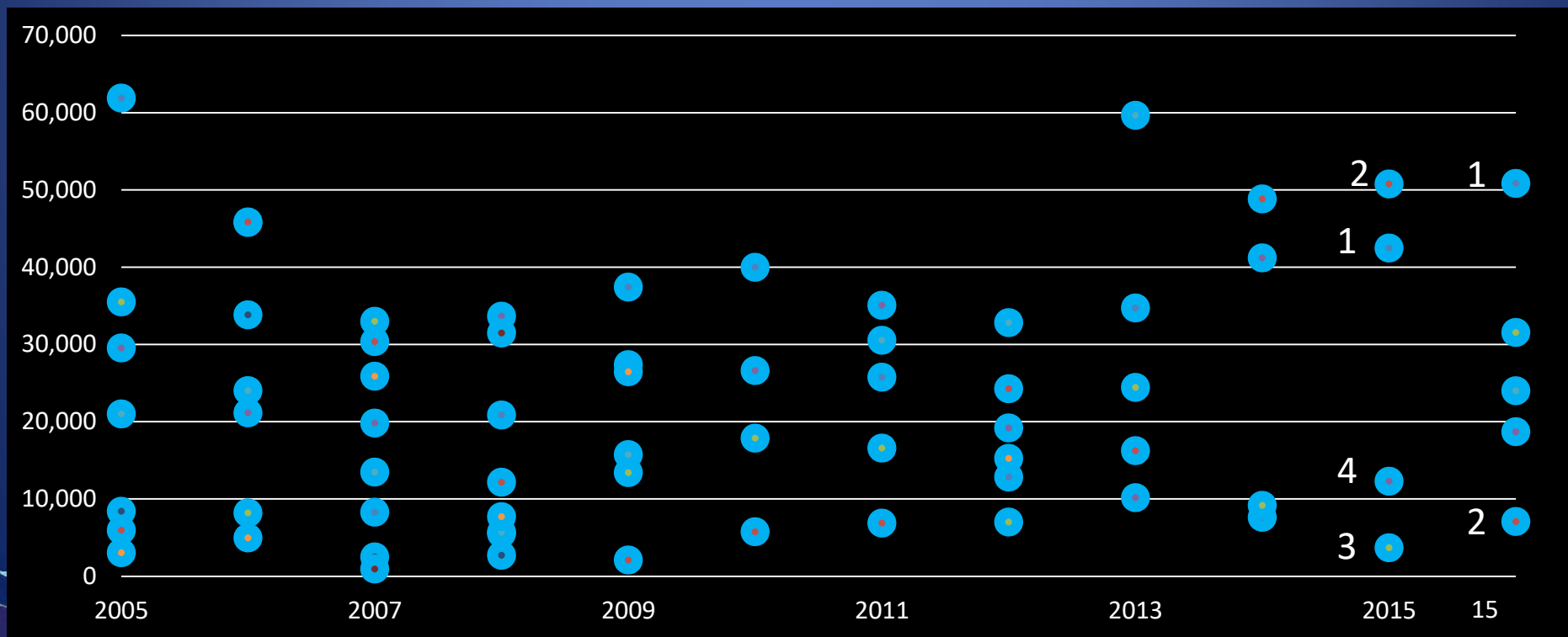


© Lynn Mattes



Central Oregon Coast Subarea Seasons

- In 2015 first two sets of "fixed dates" had high catch rates
 - If either of the last two sets of "fixed dates" had similar catch rates would have exceeded the spring quota



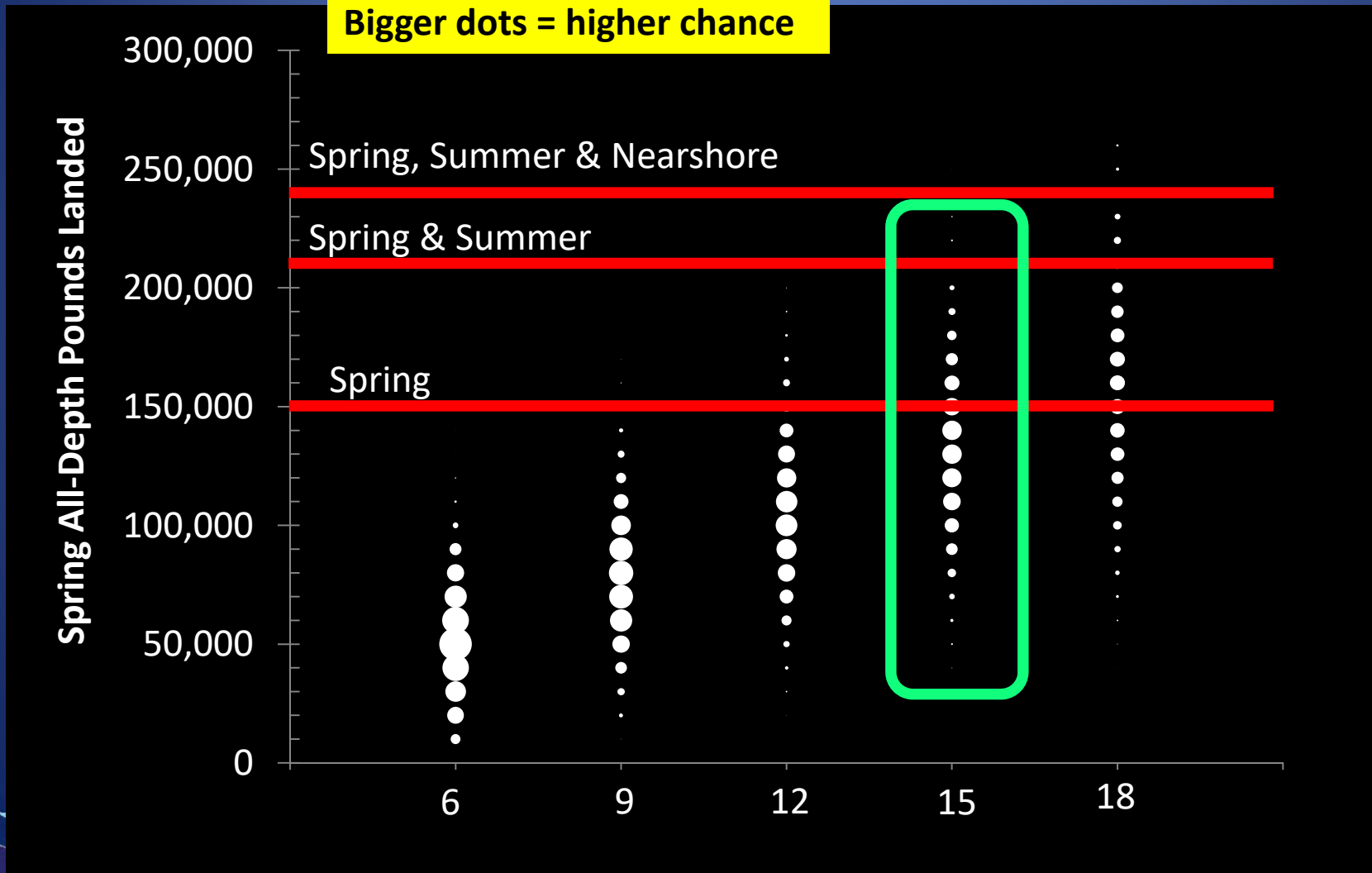


Risk Analysis

(for different number of fixed date options)

Each dot is the total lbs caught for 6-18 fixed dates

Bigger dots = higher chance





Central Oregon Coast Subarea Seasons

- When to schedule “fixed dates”
 - Do we skip tides?
 - a.m. tides in excess of -1.0 feet
 - First one in 2017 is May 25-27 (> -2.0 feet)
 - Skipping tides can extend the openings later into June/July
 - Not skipping tides has bulk of fishery in May and early June
 - When “there is nothing else to fish for”
 - salmon & tuna have not started



Possible Spring All-Depth Dates

| May | | | |
|------|-----|------|----------|
| Date | Day | Tide | Time |
| 1 | Mon | -1.1 | 11:12 AM |
| 2 | Tue | -0.6 | 12:16 PM |
| 3 | Wed | -0.1 | 12:43 AM |
| 4 | Thu | 0.2 | 2:05 AM |
| 5 | Fri | 0.5 | 3:16 AM |
| 6 | Sat | 0.9 | 4:15 AM |
| 7 | Sun | 0.8 | 5:03 AM |
| 8 | Mon | 0.3 | 5:45 AM |
| 9 | Tue | -0.1 | 6:23 AM |
| 10 | Wed | -0.4 | 6:58 AM |
| 11 | Thu | -0.6 | 7:32 AM |
| 12 | Fri | -0.7 | 7:54 PM |
| 13 | Sat | -0.6 | 8:42 AM |
| 14 | Sun | -0.5 | 9:20 AM |
| 15 | Mon | -0.3 | 10:01 AM |
| 16 | Tue | 0.0 | 10:45 AM |
| 17 | Wed | 0.2 | 11:34 AM |
| 18 | Thu | 0.4 | 12:27 PM |
| 19 | Fri | 0.6 | 1:12 AM |
| 20 | Sat | 0.8 | 2:21 AM |
| 21 | Sun | 1.0 | 3:10 PM |
| 22 | Mon | 0.7 | 4:13 AM |
| 23 | Tue | -0.2 | 4:50 PM |
| 24 | Wed | -1.2 | 5:38 PM |
| 25 | Thu | -1.9 | 6:26 PM |
| 26 | Fri | -2.3 | 7:25 AM |
| 27 | Sat | -2.4 | 8:14 AM |
| 28 | Sun | -2.3 | 9:04 AM |
| 29 | Mon | -1.9 | 9:56 AM |
| 30 | Tue | -1.3 | 11:14 PM |
| 31 | Wed | -0.6 | 11:46 AM |

| June | | | |
|------|-----|------|----------|
| Date | Day | Tide | Time |
| 1 | Thu | 0.0 | 12:30 AM |
| 2 | Fri | 0.7 | 1:47 AM |
| 3 | Sat | 1.2 | 2:37 PM |
| 4 | Sun | 1.1 | 3:28 PM |
| 5 | Mon | 0.5 | 4:44 AM |
| 6 | Tue | 0.1 | 5:26 AM |
| 7 | Wed | 0.2 | 6:04 AM |
| 8 | Thu | -0.6 | 6:39 AM |
| 9 | Fri | -0.8 | 7:13 AM |
| 10 | Sat | -0.9 | 7:47 AM |
| 11 | Sun | -0.9 | 8:08 PM |
| 12 | Mon | -0.8 | 8:49 PM |
| 13 | Tue | -0.6 | 9:35 AM |
| 14 | Wed | -0.3 | 10:15 AM |
| 15 | Thu | 0.0 | 10:57 AM |
| 16 | Fri | 0.4 | 11:43 AM |
| 17 | Sat | 0.8 | 12:40 AM |
| 18 | Sun | 1.2 | 1:49 AM |
| 19 | Mon | 1.3 | 2:52 AM |
| 20 | Tue | 0.3 | 3:21 PM |
| 21 | Wed | -0.6 | 4:43 AM |
| 22 | Thu | -1.5 | 5:34 AM |
| 23 | Fri | -2.1 | 6:23 AM |
| 24 | Sat | -2.4 | 7:11 AM |
| 25 | Sun | -2.4 | 7:59 AM |
| 26 | Mon | -2.2 | 8:47 AM |
| 27 | Tue | -1.7 | 9:35 AM |
| 28 | Wed | -1.0 | 10:23 AM |
| 29 | Thu | -0.2 | 11:12 AM |
| 30 | Fri | 0.6 | 12:02 PM |

| July | | | |
|------|-----|------|----------|
| Date | Day | Tide | Time |
| 1 | Sat | 1.4 | 1:15 AM |
| 2 | Sun | 1.7 | 2:24 AM |
| 3 | Mon | 1.2 | 3:25 AM |
| 4 | Tue | 0.7 | 4:17 AM |
| 5 | Wed | 0.3 | 4:25 PM |
| 6 | Thu | -0.1 | 5:41 AM |
| 7 | Fri | -0.4 | 5:51 PM |
| 8 | Sat | -0.6 | 6:30 PM |
| 9 | Sun | -0.8 | 7:09 PM |
| 10 | Mon | -0.8 | 8:00 AM |
| 11 | Tue | -0.7 | 8:30 PM |
| 12 | Wed | -0.6 | 9:15 PM |
| 13 | Thu | -0.3 | 9:45 AM |
| 14 | Fri | 0.2 | 10:24 AM |
| 15 | Sat | 0.7 | 11:05 AM |
| 16 | Sun | 1.3 | 12:08 AM |
| 17 | Mon | 1.7 | 1:18 AM |
| 18 | Tue | 0.9 | 1:49 PM |
| 19 | Wed | 0.1 | 3:29 AM |
| 20 | Thu | -0.7 | 3:58 PM |
| 21 | Fri | -1.3 | 4:58 PM |
| 22 | Sat | -1.8 | 5:54 PM |
| 23 | Sun | -2.0 | 6:56 AM |
| 24 | Mon | -1.9 | 7:42 AM |
| 25 | Tue | -1.6 | 8:26 AM |
| 26 | Wed | -1.0 | 9:28 PM |
| 27 | Thu | -0.3 | 10:24 PM |
| 28 | Fri | 0.5 | 11:25 PM |
| 29 | Sat | 1.3 | 11:19 AM |
| 30 | Sun | 1.9 | 12:31 AM |
| 31 | Mon | 1.7 | 1:01 PM |



Staff Recommended Dates

| MAY | | | | |
|--------|-----|------|----------|----------|
| Date | Day | Tide | Time | |
| 1 | Mon | -1.1 | 11:12 AM | |
| 2 | Tue | -0.6 | 12:16 PM | |
| 3 | Wed | -0.1 | 12:43 AM | |
| 4 | Thu | 0.2 | 2:05 AM | |
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| 6 | Sat | 0.9 | 4:15 AM | |
| 7 | Sun | 0.8 | 5:03 AM | |
| 8 | Mon | 0.3 | 5:45 AM | |
| 9 | Tue | -0.1 | 6:23 AM | |
| 10 | Wed | -0.4 | 6:58 AM | |
| 1 | 11 | Thu | -0.6 | 7:32 AM |
| | 12 | Fri | -0.7 | 7:54 PM |
| | 13 | Sat | -0.6 | 8:42 AM |
| | 14 | Sun | -0.5 | 9:20 AM |
| | 15 | Mon | -0.3 | 10:01 AM |
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| | 17 | Wed | 0.2 | 11:34 AM |
| 2 | 18 | Thu | 0.4 | 12:27 PM |
| | 19 | Fri | 0.6 | 1:12 AM |
| | 20 | Sat | 0.8 | 2:21 AM |
| | 21 | Sun | 1.0 | 3:10 PM |
| | 22 | Mon | 0.7 | 4:13 AM |
| | 23 | Tue | -0.2 | 4:50 PM |
| | 24 | Wed | -1.2 | 5:38 PM |
| Closed | 25 | Thu | -1.9 | 6:26 PM |
| | 26 | Fri | -2.3 | 7:25 AM |
| | 27 | Sat | -2.4 | 8:14 AM |
| | 28 | Sun | -2.3 | 9:04 AM |
| | 29 | Mon | -1.9 | 9:56 AM |
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| Closed | 22 | Thu | -1.5 | 5:34 AM |
| | 23 | Fri | -2.1 | 6:23 AM |
| | 24 | Sat | -2.4 | 7:11 AM |
| | 25 | Sun | -2.4 | 7:59 AM |
| | 26 | Mon | -2.2 | 8:47 AM |
| | 27 | Tue | -1.7 | 9:35 AM |
| Commercial | 28 | Wed | -1.0 | 10:23 AM |
| back-up | 29 | Thu | -0.2 | 11:12 AM |
| | 30 | Fri | 0.6 | 12:02 PM |

| July | | | | |
|------------|-----|------|------|----------|
| Date | Day | Tide | Time | |
| back-up | 1 | Sat | 1.4 | 1:15 AM |
| | 2 | Sun | 1.7 | 2:24 AM |
| | 3 | Mon | 1.2 | 3:25 AM |
| | 4 | Tue | 0.7 | 4:17 AM |
| | 5 | Wed | 0.3 | 4:25 PM |
| Closed | 6 | Thu | -0.1 | 5:41 AM |
| | 7 | Fri | -0.4 | 5:51 PM |
| | 8 | Sat | -0.6 | 6:30 PM |
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| | 29 | Sat | 1.3 | 11:19 AM |
| | 30 | Sun | 1.9 | 12:31 AM |
| | 31 | Mon | 1.7 | 1:01 PM |



Central Oregon Coast Subarea Seasons

- Summer all-depth season set in CSP
 - Opens 1st Friday in August (Aug 4th, 2017)
 - Open every other Friday and Saturday until October 31 or quota attained
- Nearshore season set in CSP
 - Open June 1-October 31, 7 days per week, or until quota attained



Other Subareas' Seasons

- Columbia River Subarea sport fishery
 - Dates set in Catch Sharing Plan
 - All-depth season:
 - open every Thurs-Sun, May 1- Sept 30
 - Nearshore season:
 - open every Mon-Wed, May 1-Sept 30
 - Both seasons close if quota is attained





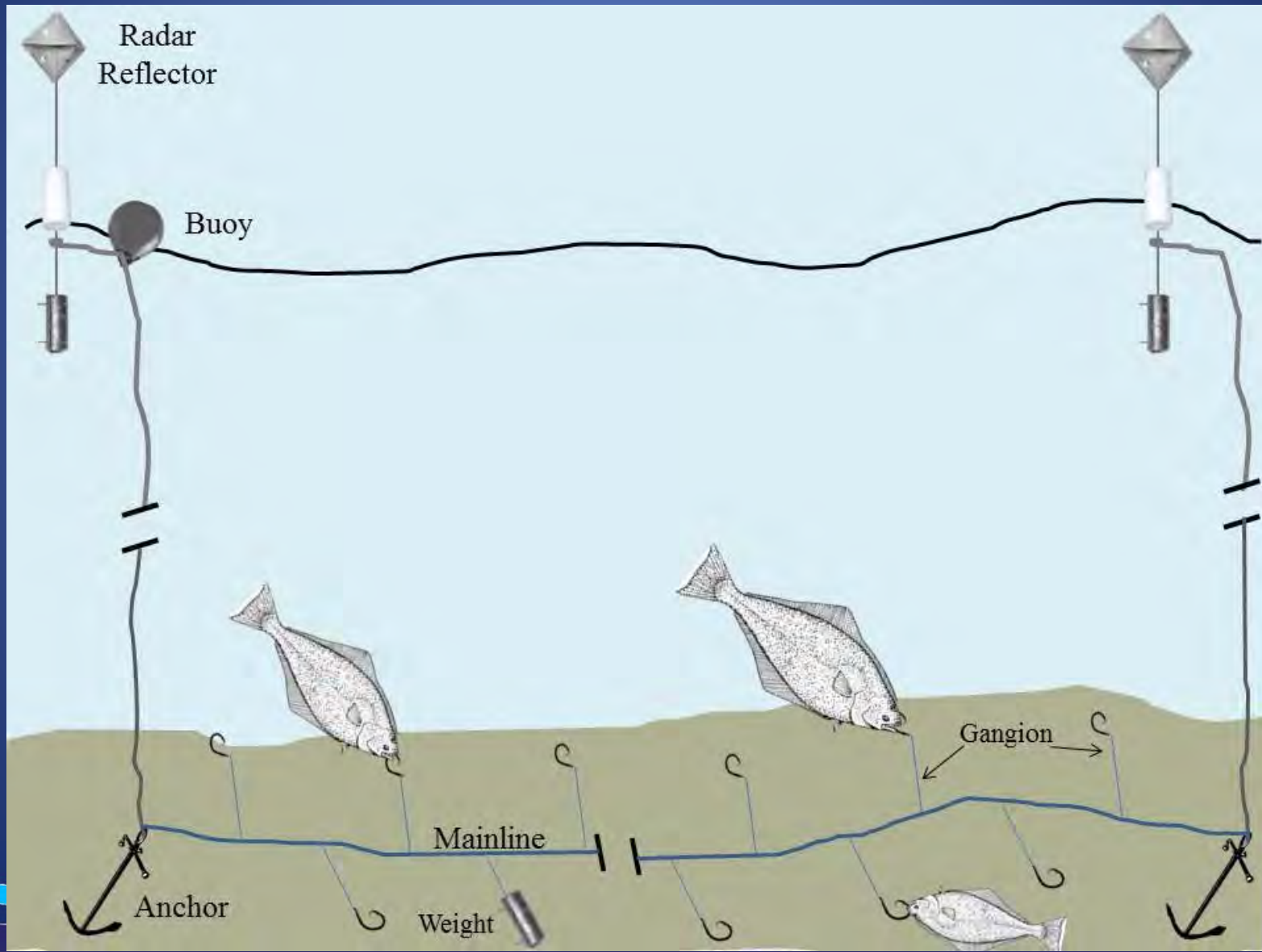
Other Subareas' Seasons

- Southern Oregon Subarea sport fishery
 - Opens May 1, 7 days per week until Oct 31, or the quota is caught





Commercial Fishery





Commercial Fishery Season

- Commercial fishery (set by IPHC)
 - 10-hour openings, every other Wednesday, beginning June 28, 2017
 - 2 openings in most recent years
 - IPHC announces trip limits in mid-May,
 - Depends on number of licenses applied for
 - Based on vessel size
- IPHC requested PFMC look into doing something other than the “derby” fishery
 - Initial scoping scheduled for June 2017
 - Implementation not likely until 2019 at earliest



Staff Recommendations

- Adopt recommendations as shown in Attachment 1
 - Adopt rules for Pacific Halibut sport and commercial fisheries by reference
 1. IPHC harvest levels
 2. The 2017 CSP
 3. Mandatory descending devices
 4. Recreational season dates
 5. IPHC commercial opening dates



Questions?



Photo courtesy
of Matt Blume