



Washington Department of
FISH and WILDLIFE

Recreational Crab & Shrimp Advisory Committee Meeting

September 17, 2020

1:00 pm – 3:00 pm

Outline:

- 1) Who is in attendance
- 2) Virtual meeting etiquette
- 3) Shrimp Topics (1 hour)
- 4) Crab Topics (30 min)
 - *Old business*
 - *New business*
- 5) Other items (30 min)



SHRIMP FISHERY TOPICS

Spot Shrimp Harvest overview – State Recreational

Marine Area	# Days	Total Creel Interviews (#)	Ave Catch per Boat (lbs)	Ave. Exp. Factor	Total Effort (# boats)	Target (lbs)	Catch (lbs)	Remaining (lbs)
7W	39	370	14.8	0.71	1,751 +	32,000	25,851 +	~6,200
7E	15	114	11.4	0.60	372 +	6,652	4,231 +	~2,421
7S	7	318	17.3	0.52	536	10,000	9,258	742
6 - 25A1	26	390	11.2	0.82	562	7,500	6,299	1,201
6 - outside 25A1	26	279	16.5	0.80	499	9,000	8,223	777
6 - Discovery Bay	2	70	15.5	0.50	110	1,127	1,225	-98
8-1/8-2	1	195	19.3	0.99	772	11,814	14,926	-3,112
9	2	161	14.8	0.99	353	7,500	5,238	2,262
10 – Elliot Bay	1	131	23.7	0.92	333	5,500	7,907	-2,407
10 – Outside Elliot Bay	1	23	16.0	1	362	5,500	5,585	85
11	1	85	14.0	0.88	306	5,000	4,285	715
12	5	814	16.7	1	5,714	95,000	95,405	-405

SHRIMP FISHERY TOPICS

Recreational Harvest Estimation Methods

MA	Method
7W	Aerial:Buoy
7E	Aerial:Buoy
7S	Aerial:Buoy
6 - 25A1	Aerial:Buoy
6 - outside 25A1	Aerial:Buoy
6 - Discovery Bay	Vessel:Buoy
8-1/8-2	Aerial:Boat
9	Aerial:Boat
10 – Elliot Bay	Vessel:Boat
10 – Outside Elliot Bay	Vessel:Boat
11	Vessel:Boat
12	Aerial:Boat

- Methods were chosen to reduce the expansion factor and produce the most accurate estimate possible
- Logistics of each fishery were considered when determining most appropriate methods
 - *Timing and duration, geography, other fisheries, harvester density, etc.*

Comparison in 2W from 8/12:

Aerial:Boat – 2,932.95

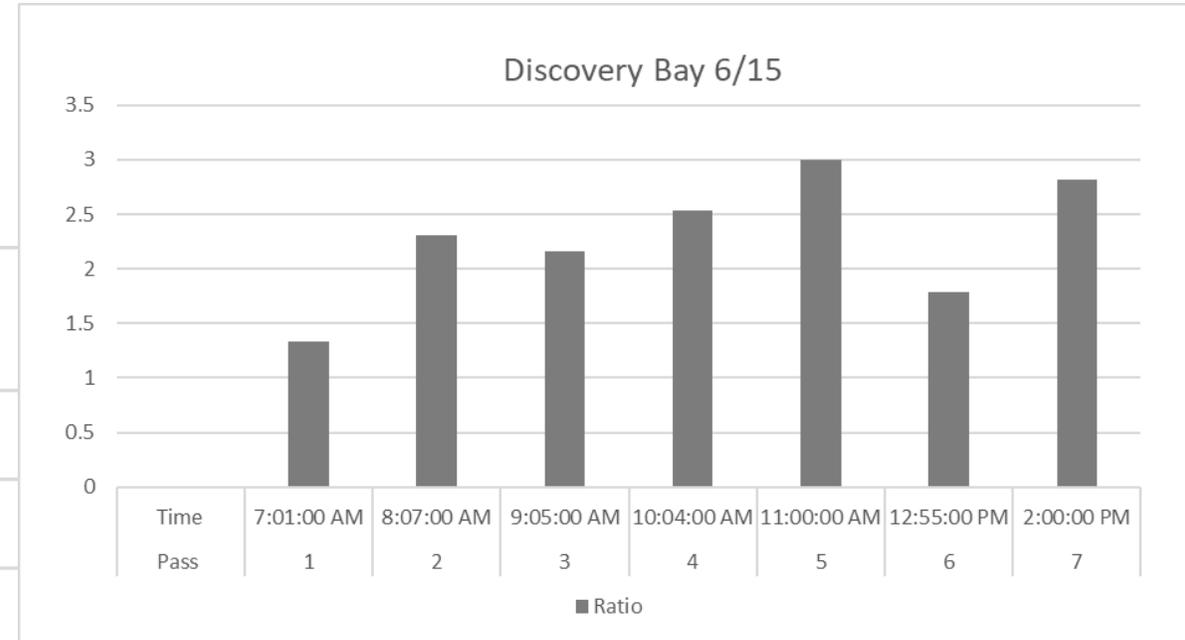
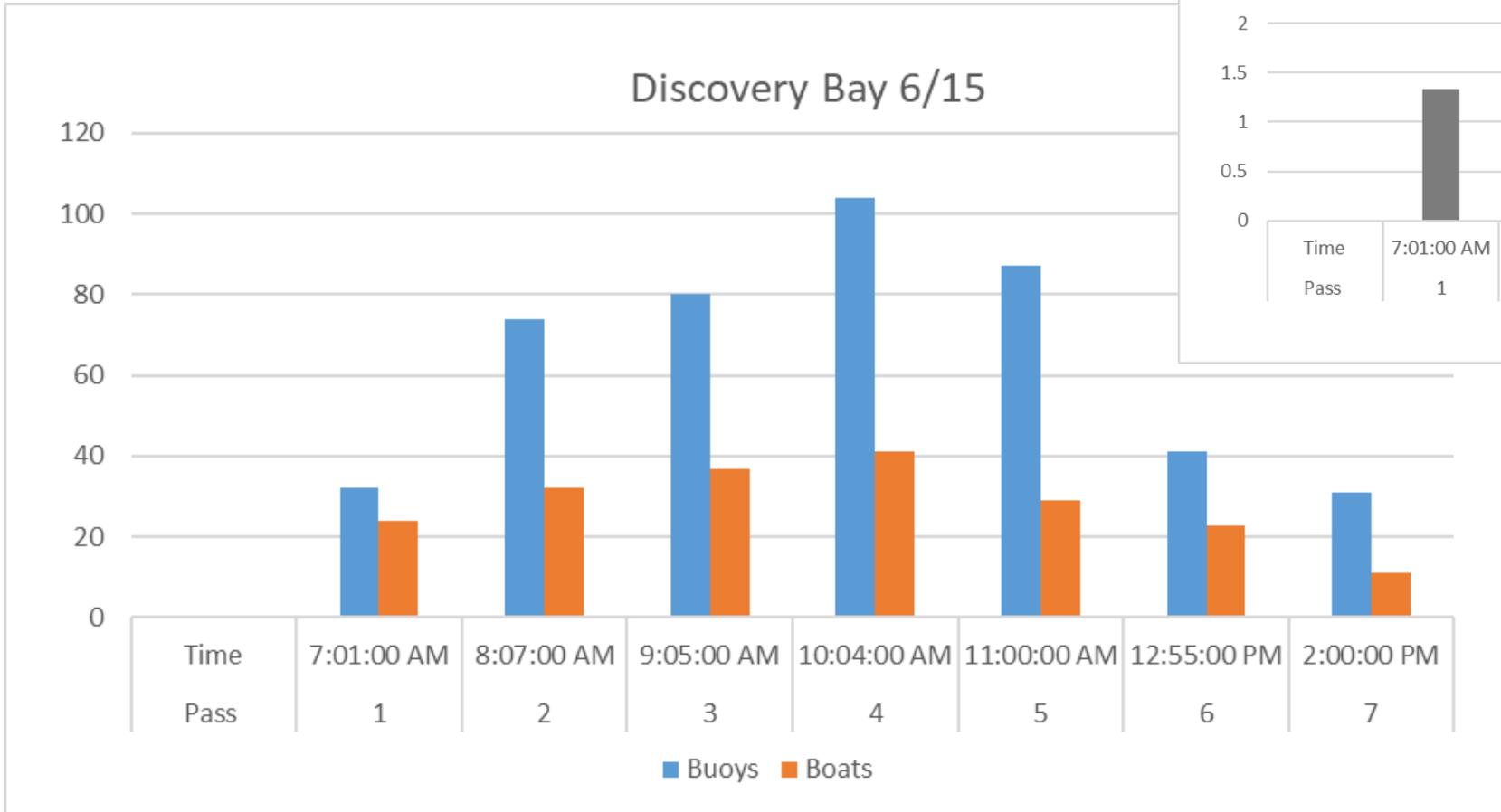
Aerial:Buoy – 2,924.49

Creel staff tallied 151 shrimping boats and 5 non-shrimping boats on 6/11 at Camano SP and Everett ramps (3%)

SHRIMP FISHERY TOPICS

Recreational Harvest Estimation Methods

Effort



Buoy/Boat Ratio

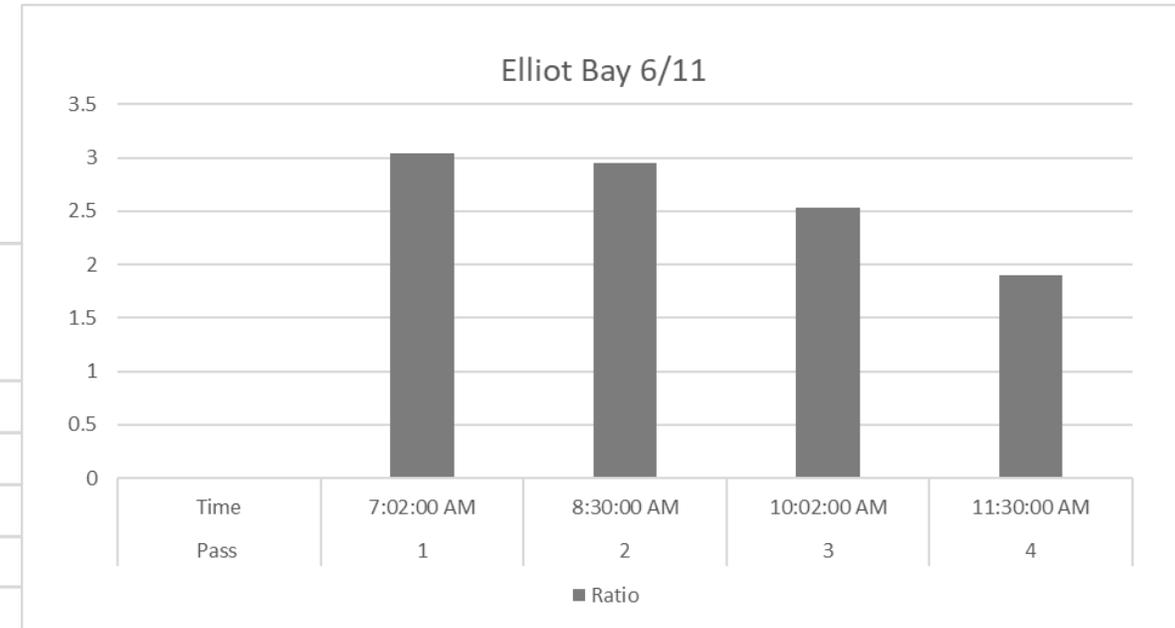
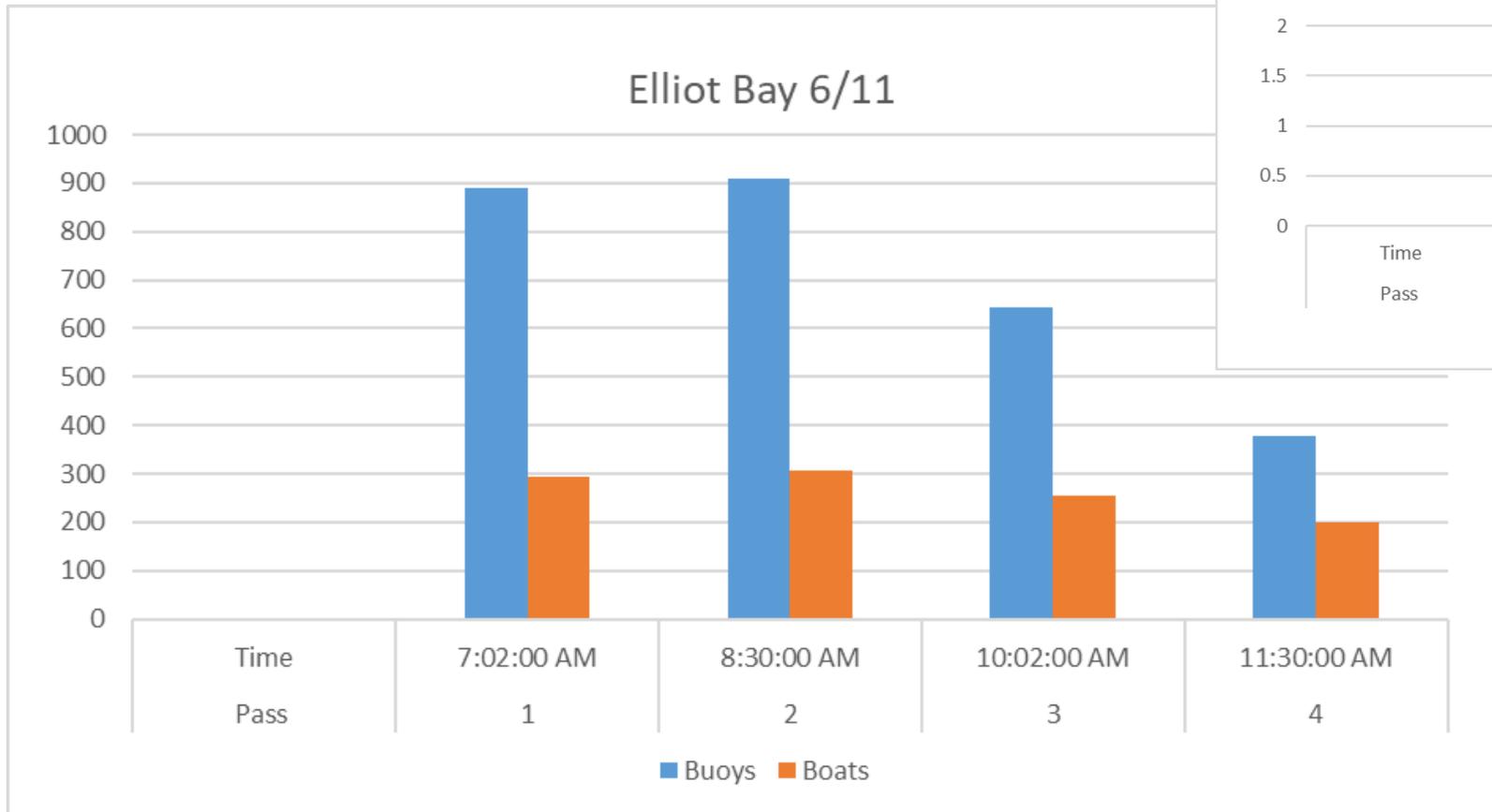
Creel: 3.1

Survey: 2.28

SHRIMP FISHERY TOPICS

Recreational Harvest Estimation Methods

Effort



Buoy/Boat Ratio

Creel: 3.5

Survey: 2.6

SHRIMP FISHERY TOPICS

Recreational Harvest Estimation Methods

- Pitfalls in effort counts

Date	MA	# Interviews	# Buoys	# Boats	Expansion factor	Expanded boat count	% Difference
5/28	6 – 25A	43	45	15.12	0.77	19.7	-54%
6/21	6 – 25A	19	12	4.47	0.95	4.71	-75%
8/13	6 – 25A	29	13	3.97	0.57	6.77	-77%
6/21	6 – 23AC	13	10	3.1	0.85	3.7	-72%
5/28	7S	92	65	19.35	0.38	50.87	-43%

underestimate ~662 lbs for **1 day**



SHRIMP FISHERY TOPICS

2020 Season Discussion

- **COVID-19 Challenges**
 - What worked, what didn't?
- **Considerations for the future**
 - Too many shrimpers and not enough quota. What comes next?
 - Dealing with uncertainty in fishery participation?
 - Missing buoys

CRAB FISHERY TOPICS

Old Business

- **F & W Commission Presentation Delay**
Brief Update
- **Proposal for MA 8-1/8-2 winter fishery**
Larry B.

CRAB FISHERY TOPICS

Harvest overview - Preliminary Summer State Recreational

MANAGEMENT REGION	MARINE AREA	REGIONAL STATE SHARE	STATE RECREATIONAL SUMMER HARVEST	Summer Estimated Unreported Catch (EUC)	TOTAL STATE HARVEST TO DATE	STATE BALANCE TO DATE
1	7	2,200,000	397,519	23,851	421,370	1,778,630
2E	8-1,8-2	1,000,000	926,377	55,583	981,960	18,040
2W	9	225,000	89,708	5,382	95,090	129,910
3-1	6, N	45,000	2,298	138	2,436	42,564
3-2	6, SE	350,000	141,347	8,481	149,827	200,173
3-3	4, 5, 6 W	25,000	6,227	374	6,601	18,399
4	10	38,682	47,182	2,831	50,013	-11,331
5	12	150,000	88,860	5,332	94,192	55,808
6	11	37,500	31,847	1,911	33,758	3,742
7	13	0	554	33	587	-587
STATE HARVEST TOTALS		4,071,182	1,731,919	103,915	1,835,834	

RED indicates areas without a signed plan and agreed-to quota

Early estimate based on 8.5% of all CRCs reported (online reports)

CRAB FISHERY TOPICS

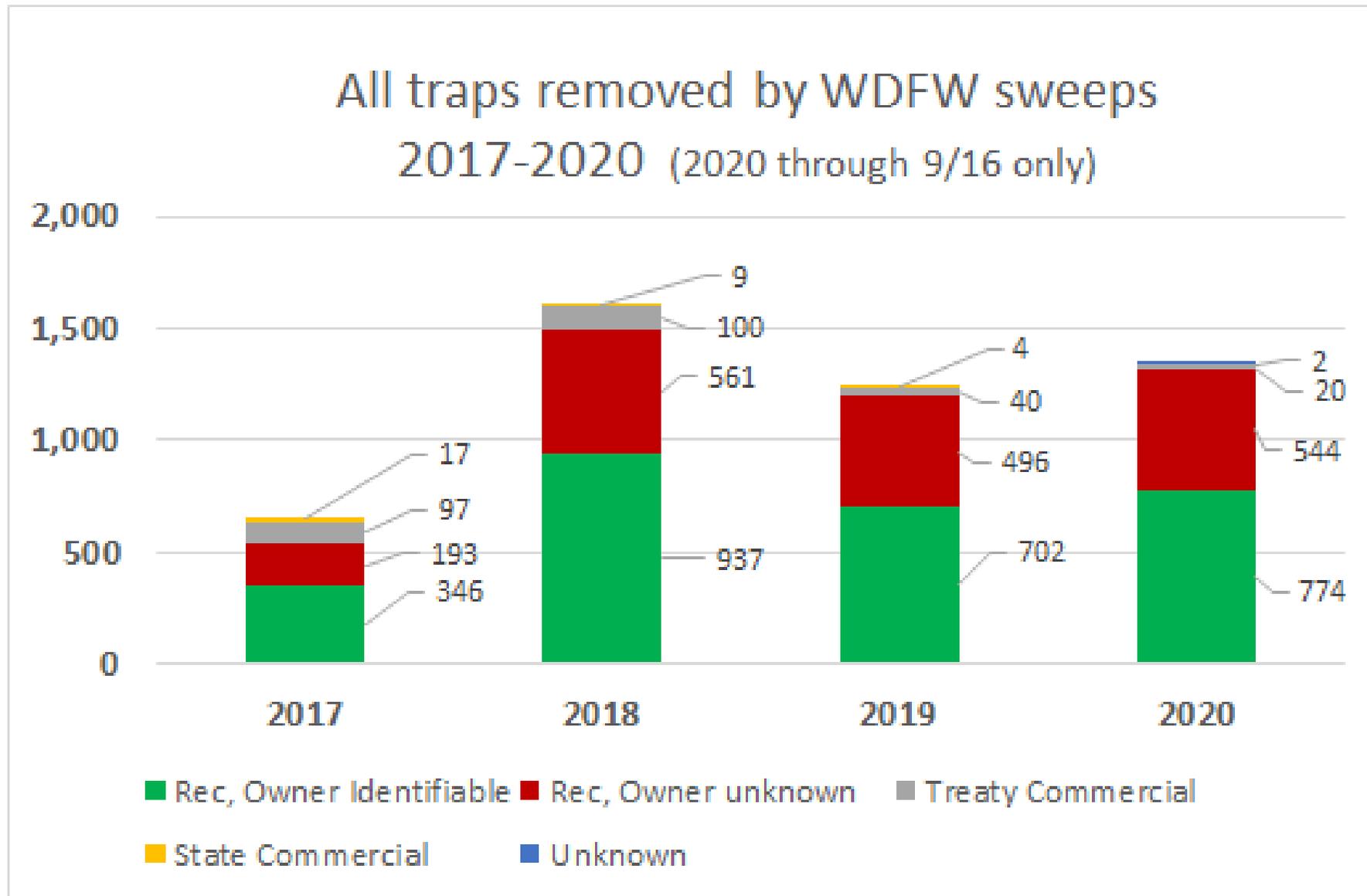
Prospects for Winter Fishery

MA	Winter Opening	Potential Date	Structure
4,5	YES	10/1?	7 days/wk
6	YES	10/1?	7 days/wk
7	YES	10/1?	7 days/wk
8-1/8-2	UNLIKELY (Limited)	?	?
9	LIKELY	10/1?	7 days/wk
10	NO	-	-
11	UNLIKELY	-	-
12	LIKELY	10/1?	7 days/wk

More time needed to make management decision

CRAB FISHERY TOPICS

Derelict Gear Recovery Summary - 2020



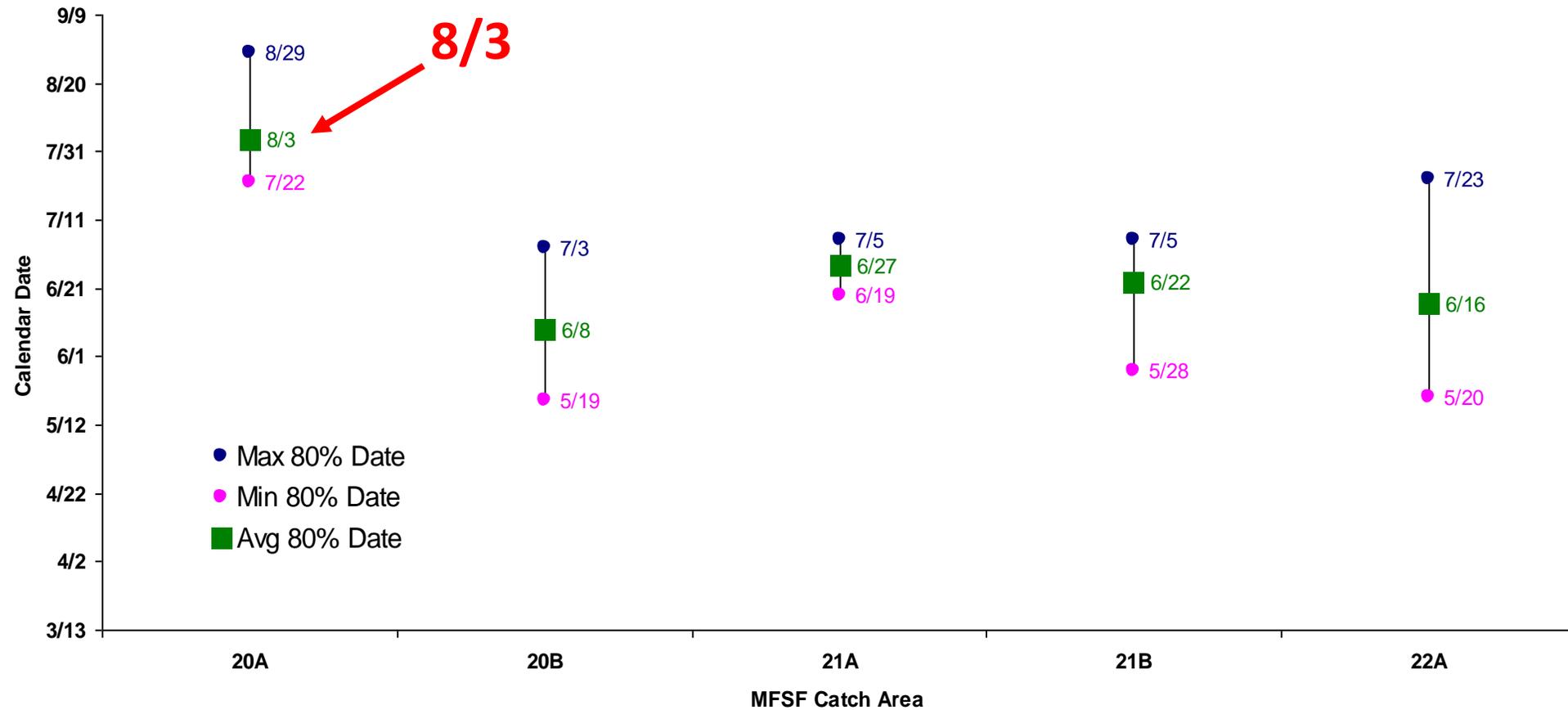
2020 Statistics to date

Vessel Trips	49
Officers	28
Crabs Released	3,209
Legal Males Released	1,298
Traps Recovered	1,341

CRAB FISHERY TOPICS

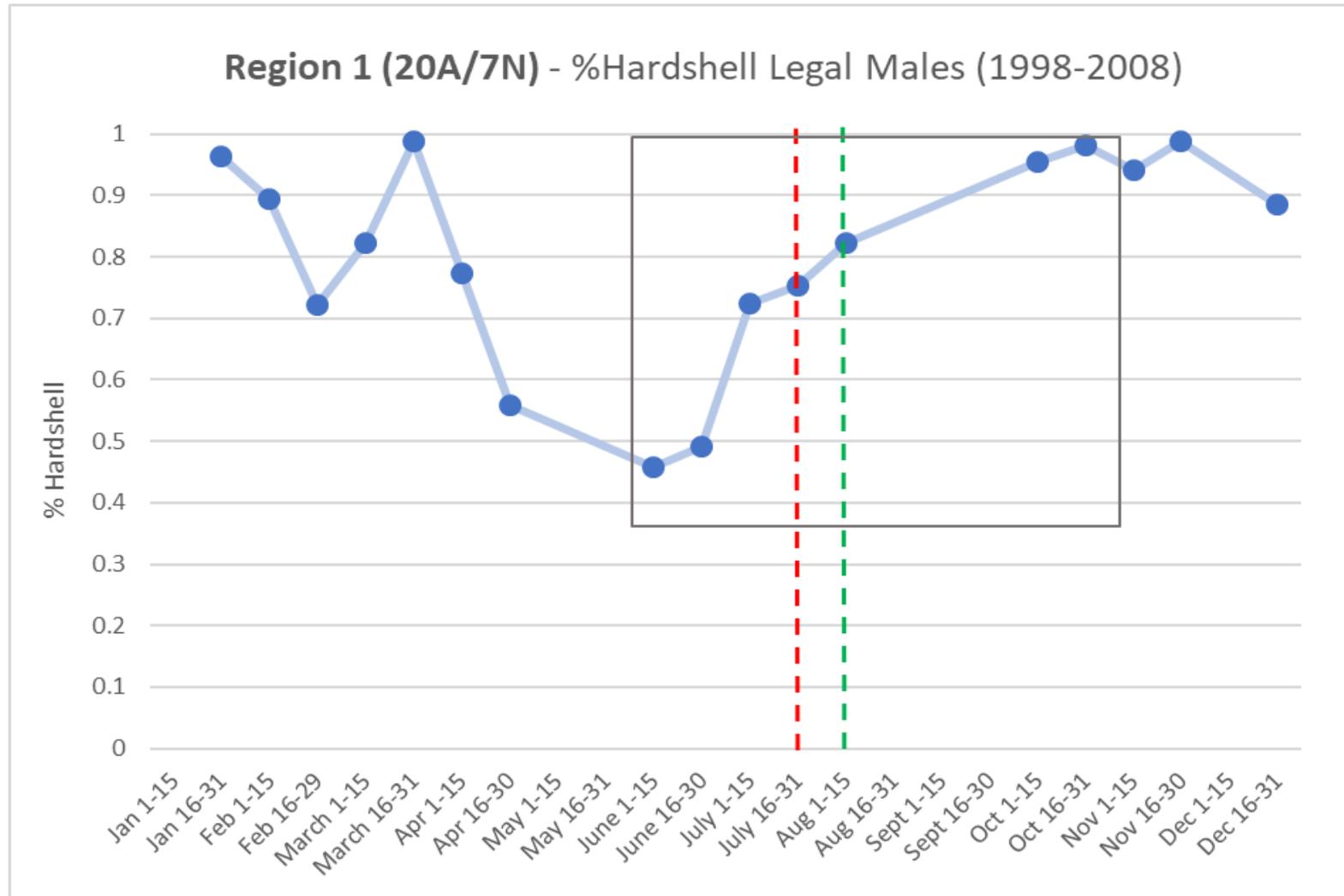
Soft Shell Delay in 7N

Range of 80% Hardness Threshold Dates from 1998 - 2008



CRAB FISHERY TOPICS

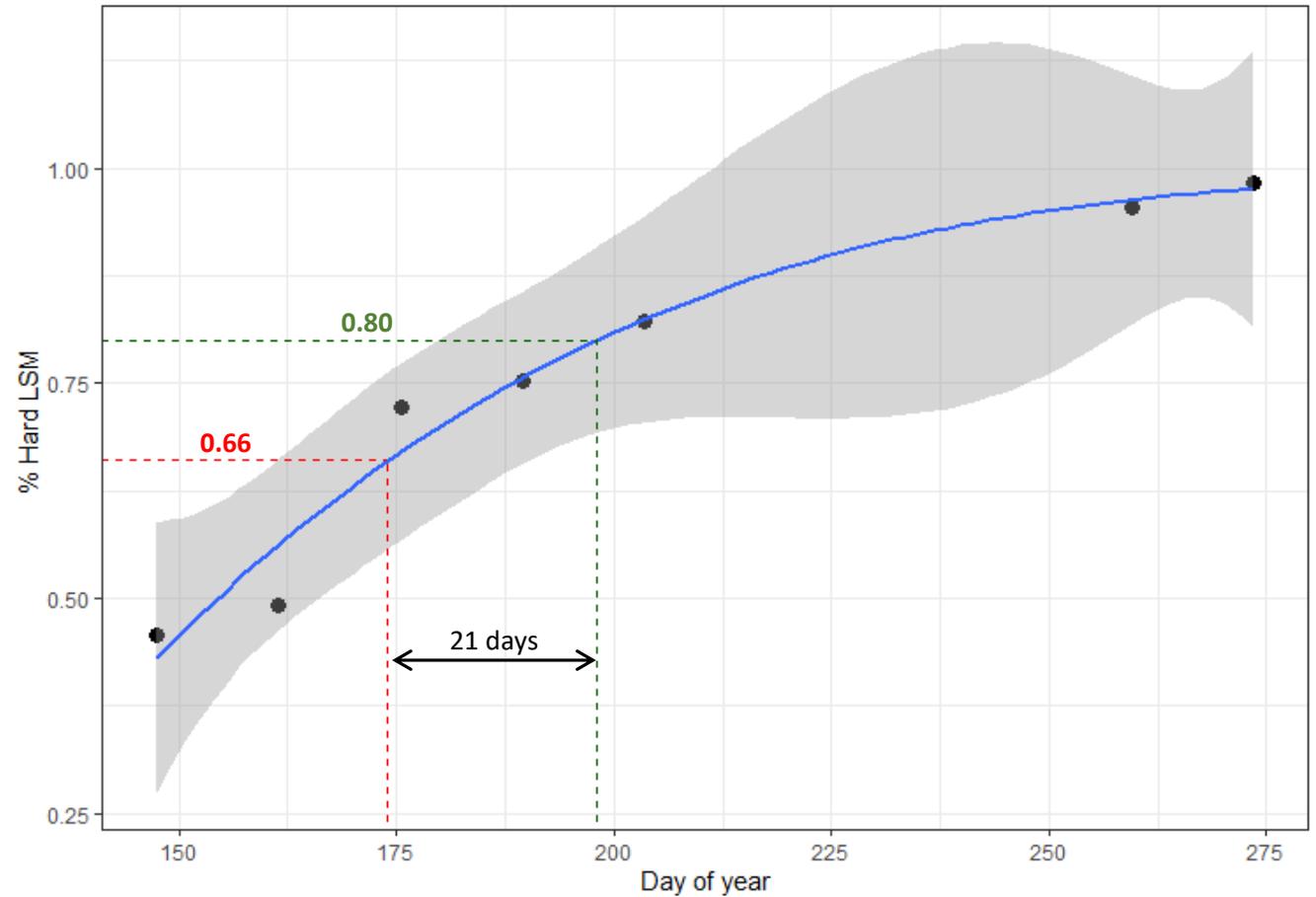
Soft Shell Delay in 7N



CRAB FISHERY TOPICS

Soft Shell Delay in 7N

1. How do we deal with this in the future?
2. Is adaptive management possible?



OTHER TOPICS

Upcoming Test Fishery Plans

- Crab Test
 - **Oak Bay/Port Townsend**
 - 9/16 – 9/17
 - **Hood Canal**
 - 9/21-9/25

OTHER TOPICS

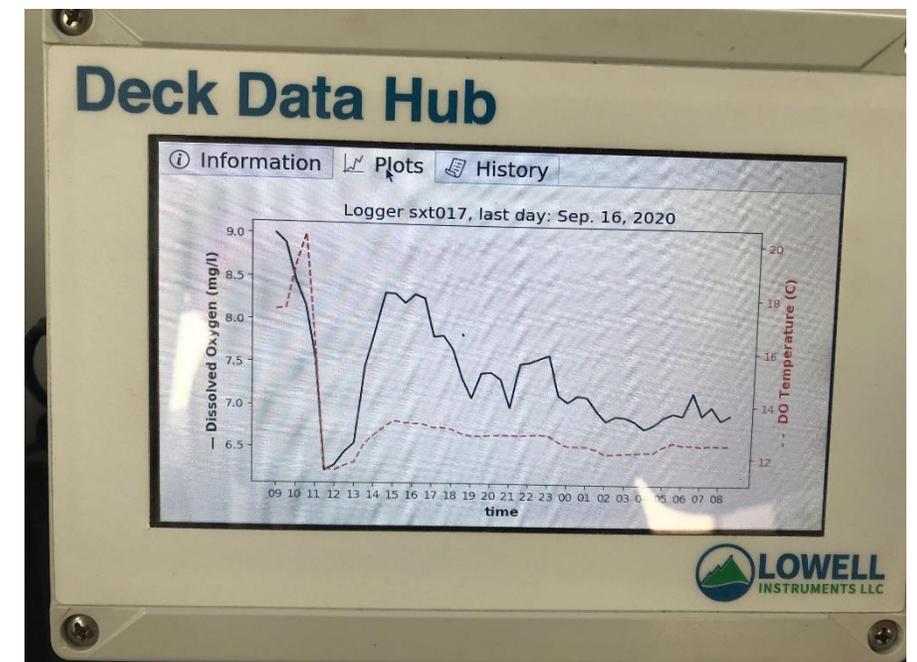
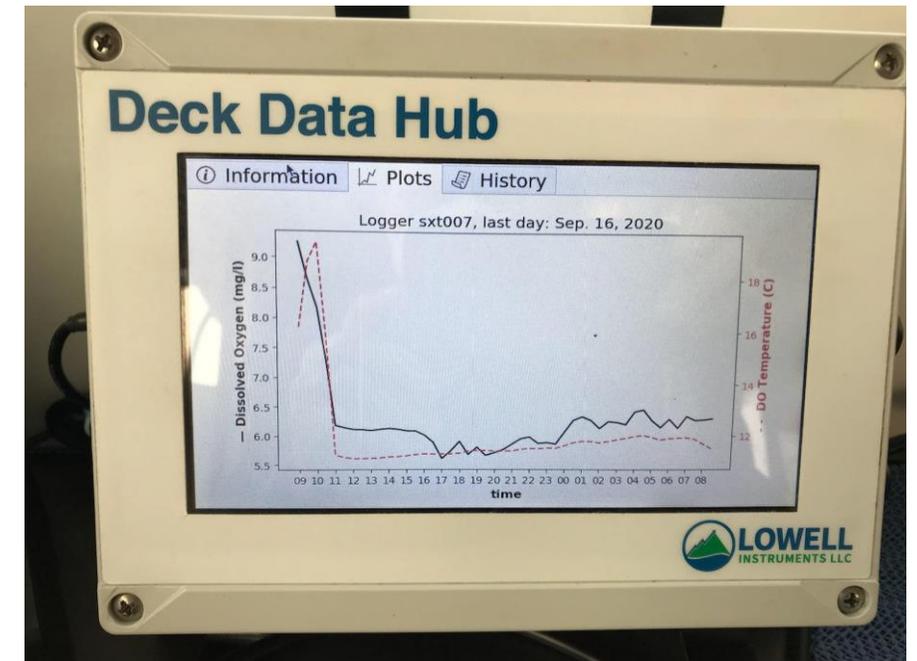
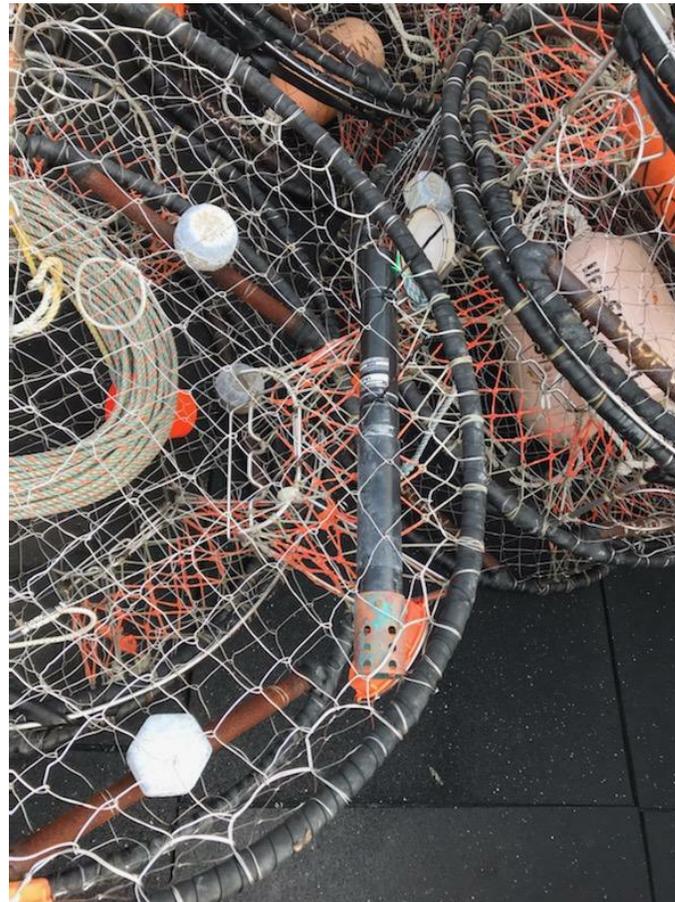
Upcoming Test Fishery Plans

- Shrimp Test
 - **MA 8, 9, & 10**
 - 10/6 – 10/8
 - **Hood Canal**
 - 10/13 – 10/16
 - **Discovery Bay**
 - 10/20-10/21

OTHER TOPICS

Upcoming Test Fishery Plans

- Environmental Monitoring
- Temperature
- Dissolved Oxygen



OTHER TOPICS

Potential Budget Reductions

- Timeline and potential impacts
- Strong License Sales

Outreach to the public

- What platforms and media do the *recreational public* currently use to receive information about opportunities, rules, and shellfish management?
- What platforms and media should the *Department* use to communicate more directly with the recreational public in the future?
 - Options and improvements for how we can get information out in the future
 - FAQ page – website
 - Fishery Management 101 page

OTHER TOPICS

Communication flow between advisers and crustacean team

- Direct bulk of communications through Aaron
 - Moderates workload
 - Policy needs clear idea of needs of recreational community
- Two larger meetings
 - Pre-Season (March) & Post-Season (September)
- Quarterly newsletter update

Renewal of advisory board positions

- Timeline
- Reconvene in winter (Feb 1 start)

Adjourn



Washington Department of
FISH and WILDLIFE

Thank You!

SHRIMP FISHERY TOPICS

Non-spot Shrimp Harvest Overview

NON-SPOT MANAGEMENT REGIONS	2020 STATE HARVEST FOR THE POT FISHERY NON-SPOT SHRIMP					
Non-Spot Shrimp Management Regions	QUOTA	State Adj. Quota	Rec. Harvest	Comm. Harvest	Total	Remaining
Region 1/20A-B, 21A-B, 22A-B	74,900	30,400	1,500	28,316	29,816	584
Region 2 East/24A-D, 26AE	38,000	19,000	1,000	17,963	18,963	37
Region 2 West/25B-D, 26AW	10,000	5,000	500	0	500	4,500
Region 3/23A-D, 25A, 29 (Outside Disco Bay SD)*	48,000	24,000	1,000	8,536	9,536	14,464
Region 3/25A , 25E (Disco. Bay Shrimp District)	4,000	2,000	CLOSED	CLOSED	CLOSED	0
Region 4/26B, 26C	2,000	1,000	0	0	0	1,000
Region 6/26D	1,000	500	0	0	0	500
Region 6/28A-D	2,000	1,000	0	0	0	1,000
NON-SPOT MANAGEMENT TOTALS	179,900	82,900	4,000	54,815	58,815	

SHRIMP FISHERY TOPICS

Shrimp Trawl Harvest Overview

TRAWL MANAGEMENT REGIONS	2020 STATE HARVEST FOR THE SHRIMP TRAWL FISHERY			
Trawl Management Regions	QUOTA	State Adj. Quota	Commercial Total	Remaining
Region 1B/22A, 21A "triangle"	116,000	56,000	53,971	2,029
Region 1B/20B	30,000	15,000	14,345	655
Region 1C/20A	20,000	3,000	1,781	1,219
Region 3/23AE, 23B, 25A (Straits-Hein Bank, etc)**	1,130,000	565,000	353,921	211,079
3/23AW, North of Port Angeles**	113,000	56,500	0	56,500
3/23C (Port Angeles - Sekiu)	200,000	100,000	0	100,000
3/29 (Sekiu-Neah Bay)	25,000	12,500	0	12,500
TRAWL MANAGEMENT TOTALS	1,634,000	808,000	424,018	