



Washington Department of
FISH and WILDLIFE

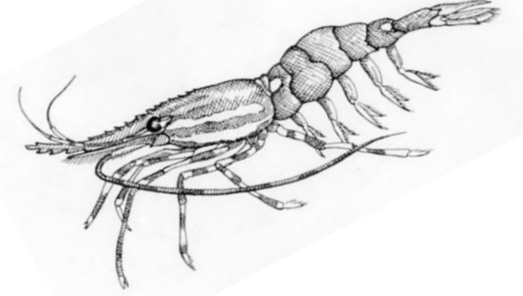
Recreational Crab & Shrimp Advisory Committee Meeting

October 12, 2021

1:00 pm – 3:00 pm

Outline:

- **Welcome/Housekeeping**
- **Shrimp – 2021 Season overview (10 min)**
- **Shrimp – 2022 Season topics (15 min)**
- **Crab - 2021 Season to date (30 min)**
- **Crab - 2022 and beyond (30 min)**
- **Advisor comments and feedback (25 min)**



SHRIMP FISHERY TOPICS

2021 Spot Shrimp Harvest - State

SPOT SHRIMP MANAGEMENT REGIONS	2021 STATE HARVEST FOR THE POT FISHERY SPOT SHRIMP						2021 Percentages		Policy Allocation	
Spot Shrimp Management Regions	QUOTA	State Adj. Quota	Rec. Harvest	Comm. Harvest	Total	Remaining	Rec	Comm	Rec	Comm
1A/20B, 22A (west)	80,000	40,000	34,179	6,383	40,562	-562				
1B/20B, 22A (east), 21A	14,000	7,000	8,283	0	8,283	-1,283				
1C/20A, 21A, 21B, 22B	6,000	3,000	1,000	2,000	3,000	0				
REGION 1 TOTALS	100,000	50,000	43,462	8,383	51,845		83.8%	16.2%	80%	20%
2E/24A-D, 26A-E (Skagit - Mukilteo)	46,000	19,788	18,288	1,472	19,760	28				
2W/25B-D, 26AW (Edmonds - Admiralty Inlet)	15,000	7,500	8,543	0	8,543	-1,043				
REGION 2 TOTALS	61,000	27,288	26,831	1,472	28,303		94.8%	5.2%	100%	0%
3/23A-E (S Lopez I-Iceberg Pt, etc)	42,000	20,288	11,756	8,535	20,291	-3				
3/23A-W (S San Juan I-Salmon Bank, etc)	40,000	19,189	1,000	18,904	19,904	-715				
3/23A-C, 23B (Straits-Hein, Eastern Bank, Smith I)	106,000	51,633	9,317	42,297	51,614	19				
3/23A-S, 23D (Straits-NE of P.A.)	17,000	8,500	2,000	6,538	8,538	-38				
3/23C (Straits-Seki to P.A.)	4,000	2,000	800	1,004	1,804	196				
3/25A Outside District 1 (North of Protection Is.)	42,000	21,000	10,715	9,282	19,997	1,003				
3/25A,25E (Inside Disco. Bay SD)	4,000	1,425	2,486	0	2,486	-1,061				
3/29 (Straits - Neah Bay)	2,000	1,000	500	92	592	408				
REGION 3 TOTALS	257,000	125,035	38,574	86,652	125,226		30.8%	69.2%	22%	78%
4/26B-1, 26C (Seattle - Bainbridge Is.)	11,000	5,215	4,894	336	5,230	-15				
4/26B-2 (Elliott Bay)	11,000	3,093	7,565	0	7,565	-4,472				
REGION 4 TOTALS	22,000	8,308	12,459	336	12,795		97.4%	2.6%	100%	0%
5/27A-C (Hood Canal)	190,000	95,000	102,481	0	102,481	-7,481				
REGION 5 TOTALS	190,000	95,000	102,481	0	102,481		100.0%	0.0%	100%	0%
6/26D (Vashon Island)	10,000	5,000	3,685	514	4,199	801				
6/28A-D (South Puget Sound)	300	150	0	0	0	150				
REGION 6 TOTALS	10,300	5,150	3,685	514	4,199		87.8%	12.2%	100%	0%
ALL REGIONS GRAND TOTAL	640,300	310,781	227,492	97,357	324,849		70.0%	30.0%	70%	30%

SHRIMP FISHERY TOPICS

2021 Recreational creel effort and statistics

Creel Site	Boats Interviewed	Creel Site	Boats Interviewed
Bellingham Ramp	276	Pleasant Harbor Ramp	193
Camano Is State Park Ramp	75	Point Defiance Ramp	85
Cornet Bay State Park Ramp	871	Port Angeles Boat Haven	1
Cushman Ramp	188	Port Angeles West Ramp	10
Don Armeni Ramp	90	Port Townsend Boat Haven Ramp	77
Ediz Hook Ramp	8	Port of Friday Harbor	165
Edmonds Marina	67	Redondo Ramp	28
Everett Ramp	354	Roche Harbor	1
Fort Casey Ramp	19	Salsbury Point County Park Ramp	114
Gardiner Ramp	38	Sandy Point Ramp	16
Griffin Bay Ramp	28	Shilshole Ramp	42
John Wayne Marina Ramp	635	Swinomish Channel Ramp	26
Kingston Ramp	21	Triton Cove Ramp	230
La Conner Ramp	2	Washington Park Ramp	364
Misery Point Ramp	337		
TOTAL SHRIMP BOATS INTERVIEWED		4,361	

SHRIMP FISHERY TOPICS

2021 Recreational creel effort and statistics

Creel Area/ Quota Area	Description	No. of Boats	No. of Pots Fished	No. of Shrimp Fishers	No. of Spot shrimp Retained	Pots Per Boat	Shrimpers Per Boat	Spot Shrimp Per Boat
20A-1	North Sound	11	33	27	1,562	3.00	2.45	142
20B-1	Matia, Sucia, NE Orcas	100	334	327	19,041	3.34	3.27	190
20B-2	N. Speiden, Waldron, NW Orcas	284	950	927	64,290	3.35	3.26	226
21A-1	N. Lummi	19	60	50	2,420	3.16	2.63	127
21A-2	S. Lummi	47	140	125	6,153	2.98	2.66	131
21B-1	Samish Bay	2	8	12	696	4.00	6.00	348
22A-1	Biz Pt., Cypress, Colville Pt.	238	764	709	36,086	3.21	2.98	152
22A-2	S. Speiden, Rocky Bay, Pt. Caution, Friday Hbr, Jones, Yellow	402	1,171	1,230	83,822	2.91	3.06	209
22B-1	Huckleberry	8	19	21	902	2.38	2.63	113
23AC	Eastern Bank, Hein Bank, S. McArthur Bank	98	337	290	17,820	3.44	2.96	182
23AE	Iceberg Pt., N. McArthur Bank	401	1,301	1,186	76,996	3.24	2.96	192
23AS	Central Strait	5	18	17	563	3.60	3.40	113
23AW	Salmon Bank, False Bay, Mineral Pt., Eagle Pt.	19	64	61	4,092	3.37	3.21	215
23B-1	Smith, Partridge Bank, Lawson Reef	167	534	469	27,415	3.20	2.81	164
23D-1	Port Angeles Harbor	14	30	26	636	2.14	1.86	45
25A-1	Protection, Dungeness Bank, Dallas Bank	604	1,965	1,590	95,659	3.25	2.63	158
25A-2,25E-1	Discovery Bay	108	367	333	20,763	3.40	3.08	192
MA 8-1, MA 8-2	MA 8-1, MA 8-2	361	1,064	1,092	61,644	2.95	3.02	171
MA 9	MA 9	153	514	546	37,181	3.36	3.57	243
MA 10 outside Elliott	MA 10 outside Elliott	38	117	114	6,876	3.08	3.00	181
MA 10 inside Elliott	MA 10 inside Elliott	110	399	410	26,206	3.63	3.73	238
MA 11	MA 11	97	324	292	11,069	3.34	3.01	114
MA 12	MA 12	1,073	3,896	3,763	260,283	3.63	3.51	243
All Areas		4,359	14,409	13,617	862,175	3.31	3.12	198

SHRIMP FISHERY TOPICS

2021 Spot Shrimp — Recreational pounds and dates

Area	Number of Days	Dates	Projected Harvest (lbs)
MA 4	119	May 19 through Sept 15.	500
MA 5	119	May 19 through Sept 15.	800
MA 6 Discovery Bay	2	May 19, May 22.	2,486
MA 6 outside Disco Bay	27	5/19-5/22, 6/2-6/5, 6/16-6/19, 7/14-7/17,7/28-7/31,8/11-8/14, 8/26-8/28	21,032
MA 7 South	16	5/19-5/22, 6/2-6/5, 7/14 - 7/17, 8/11-8/14	12,756
MA 7 East	16	5/19-5/22, 6/2-6/5, 6/16-6/19, 7/14-7/17	9,283
MA 7 West	20	5/19-22, 6/2-5, 6/16-19, 7/14-17,7/28-7/31	34,179
MA 8-1, 8-2	4	May 19, June 2, July 14, August 11.	18,288
MA 9	2	May 19, June 2.	8,543
MA 10 inside Elliott Bay	1	May 19.	7,565
MA 10 outside Elliott Bay	1	May 19.	4,894
MA 11	1	May 19.	3,685
MA 12	5	May 19, May 22, June 2, June 6, June 16.	102,481

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.*

SHRIMP FISHERY TOPICS - Commercial Shrimp Fisheries

- Spot (pot):
 - 4,500 lbs initial share per license
3,000 lbs limit through July 13
 - Increased to 5,000 lbs total on August 4
 - Additional mop up started August 24
 - 2E, 3, 4 (26C) , 6 (26D)
 - Required declarations
 - Date, Target Species, Target Pounds, Area
 - Opened 5/1/2021, closed 9/13/2021
- Non-spot (pot)
 - 600lbs weekly limit in 1, 2E, and 2W.
Increased to 1000lbs weekly limit July 14
 - No weekly limit in harvest from Region 3.
Subareas of 23A opened as spot harvest was closed in those area
 - Required declarations
Date, Target Species, Target Pounds, Area

SHRIMP FISHERY TOPICS

2022 Season Discussion

- Impacts of overages in Hood Canal and Elliot Bay
 - Only 1,022 lbs of 5,500 usual share in Elliott Bay for 2022
 - 7,481 lbs over in Hood Canal (about 1/2 weekday)
- 2 pots per boat as a management tool
 - Used for 2 days in 8-1/8-2 this year
- Fishery days/hours/start date
 - Best initial weeks around Wed May 11 and Wed May 25
 - Why are weekend days hard to accommodate in many areas?
 - Limited by days creelers are available
- Update on rule to allow discard of heads when harvesting spots
(<https://publicinput.com/RecFishing>)
- Eliminate overnight soak option for recreational spot shrimp?

CRAB FISHERY TOPICS

2021 State harvest - Recreational & Commercial through 10/10

Region	Marine Area	Regional State Share	State Summer Rec Catch	State Summer EUC	State Winter Rec Catch	State Winter EUC	State Comm Harvest	State Comm EUC	Total State Harvest To-Date	State Balance To-Date
1	7	2,200,000	465,490	46,409	67,124	6,692	236,591	2,366	585,716	1,614,284
2E	8-1,8-2	1,000,000	618,547	61,669	63,710	6,352	110,041	1,100	750,279	249,721
2W	9	225,000	77,637	7,740	14,394	1,435	2,360	24	101,207	123,793
3-1	6, N	44,581	2,049	204	150	15	1,075	11	2,418	42,163
3-2	6, SE	350,000	120,819	12,046	8,836	881	14,267	143	142,581	207,419
3-3	6, W	17,500	2,586	258	189	19	0	0	3,052	14,448
3-4	4, 5	7,500	6,161	614	451	45	0	0	7,270	230
4	10	55,000	32,549	3,245	TBD	TBD	0	0	35,794	19,206
5	12	208,000	81,563	8,132	28,563	2,848	0	0	121,106	86,894
6	11	22,500	18,712	1,866	0	0	0	0	20,577	1,923
7	13	0	585	58	0	0	0	0	644	-644
STATE HARVEST TOTALS		4,130,081	1,426,700	142,242	183,417	18,287	364,334	3,644	1,770,645	

RED indicates areas without signed plans

Preliminary rec summer estimates based on 33% of all CRCs reported (online reports only)

Winter rec numbers are projections only

Commercial harvest data through 10/10

CRAB FISHERY TOPICS

2021 State recreational harvest - MA 10 winter

- Winter recreational season rare in MA 10
 - Since 2010 only had winter seasons in 2010 (49d), 2015 (31d) and 2016 (32d)
- Some options for winter recreational with ~19,000 lbs remaining
 - Opening to capture Thanksgiving and Christmas
 - Opening to capture Thanksgiving or Christmas only (most conservative)
 - November and December opening (least conservative)

Year	Summer			Winter		
	days open	lbs	lbs Per Day	days open	lbs	lbs Per Day
2010	41	84,454	2,060	49	34,645	707
2015	50	212,935	4,259	31	14,565	470
2016	49	140,239	2,862	32	9,804	306
2021	18	35,794	1,989	?	?	?

- Delayed opening beginning Oct 7 instead of Oct 1
- New tools for tracking harvest and effort
 - WATIX (electronic fish tickets)
 - Hung crab reports
 - Fishing declarations
- Access to old “non-commercial” and limited commercial zones

- Adding online resources to educate crabbers
 - Re-establishing “Frequently Asked Questions” page
 - Crabber quiz
 - Updating formerly downloadable pdfs
- CRC reporting
 - What are the barriers (Doc ID requirement, password requirement, CRC on boat, etc.)
 - What are best tools to increase % reporting?
- Getting final summer recreational estimates earlier
- In-season softshell sampling and potential impacts
 - Softshell percentage can vary greatly during year in 8-1/8-2
 - Closures would likely apply to all crab fisheries
- Shifting more enforcement effort to open day patrols

CRAB FISHERY TOPICS

2022 season and beyond

- CRC recording compliance and updating bias correction
 - Tasks being undertaken
 - Anticipated staff and funds
- Constraints of current crab policy
 - Specifies application to Dungeness crab
 - No provisions for State commercial opportunity in many areas
- Offering a Red Rock crab only opportunity in MA 11, 12 south, 13.
 - Allowed methods and areas if pursued
 - Options for tracking recreational harvests
 - Crab endorsement would NOT be required

FINAL TOPICS

Advisor comments and feedback

- Personal experiences in the fisheries this season
- Any reports from the non-spot shrimp recreational folks?
- Feedback from constituents
- Online materials from meetings

Next meetings

- Do meetings in March and October make sense?
- Are “In-person” meetings possible in the near future?



**Adjourn
Thank you!**



SHRIMP FISHERY TOPICS

Non-spot Shrimp Harvest Overview

NON-SPOT MANAGEMENT REGIONS	2021 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	37,450	1,500	36,561	38,061	-611
Region 2 East/24A-D, 26AE	38,000	19,000	1,000	17,929	18,929	71
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)*	60,000	30,000	1,000	11,031	12,031	17,969
Region 3/25A , 25E (Disco. Bay Shrimp District)	4,000	2,000	0	0	0	2,000
Region 4/26B, 26C	2,000	1,000	1000	0	1,000	0
Region 6/26D	1,000	500	500	0	500	0
Region 6/28A-D	2,000	1,000	1000	0	1,000	0
NON-SPOT MANAGEMENT TOTALS	191,900	95,950	6,500	65,521	72,021	23,929

NON-SPOT MANAGEMENT REGIONS	2021 TREATY HARVEST FOR THE POT FISHERY NON-SPOT SHRIMP			
Non-Spot Shrimp Management Regions	QUOTA	Treaty Adj. Quota	Total	Remaining
Region 1/20A-B, 21A-B, 22A-B	74,900	48,171	59,741	-11,570
Region 2 East/24A-D, 26AE	38,000	14,336	14,117	219
Region 2 West/25B-D, 26AW	10,000	5,000	2,483	2,517
Region 3/23A-D, 25A, 29 (Outside Disco Bay SD)*	60,000	30,000	14,733	15,267
Region 3/25A , 25E (Disco. Bay Shrimp District)	4,000	2,000	0	2,000
Region 4/26B, 26C	2,000	1,000	0	1,000
Region 6/26D	1,000	500	0	500
Region 6/28A-D	2,000	1,000	0	1,000
NON-SPOT MANAGEMENT TOTALS	191,900	102,007	91,074	10,933

SHRIMP FISHERY TOPICS

Shrimp Trawl Harvest Overview

TRAWL MANAGEMENT REGIONS	2021 STATE HARVEST FOR THE SHRIMP TRAWL FISHERY			
Trawl Management Regions	QUOTA	State Adj. Quota	Commercial Total	Remaining
Region 1B/22A, 21A "triangle"	116,000	58,000	53,787	4,213
Region 1B/20B	30,000	15,000	13,443	1,557
Region 1C/20A	20,000	3,000	1,912	1,088
Region 3/23AE, 23B, 25A (Straits-Hein Bank, etc)**	1,130,000	565,000	27,217	537,783
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	810,000	96,359	

TRAWL MANAGEMENT REGIONS	2021 TREATY HARVEST FOR THE SHRIMP TRAWL FISHERY			
Trawl Management Regions	QUOTA	Treaty Adj. Quota	Total	Remaining
Region 1B/22A, 21A "triangle"	116,000	29,000	0	29,000
Region 1B/20B	30,000	7,500	0	7,500
Region 1C/20A	20,000	5,000	0	5,000
Region 3/23AE, 23B, 25A (Straits-Hein Bank, etc)**	1,130,000	565,000	0	565,000
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	775,500	0	775,500