

PS Rec Advisor Meeting

August 17, 2021



Meeting Agenda

- Recreational Fishing Updates
 - MA-10 Updates
 - MA-11 Updates
 - Other MA updates
 - Tulalip Bubble & Elliot Bay
- MA-7 Discussion
 - MA-7 vs. other fisheries
 - Preseason modeling – FRAM
 - Where we landed
- Additional Questions / Concerns



MA-5, MA-6, MA-9

- As per the agreed upon seasons, 8/16 – 9/30: Non-Retention for Chinook
- Coho and Pink fisheries to continue as planned



MA-9

For 7/16/21 – 8/8/21

Marine Area	Retained / Legal Chinook Harvest		Sublegal Encounters		Unmarked Encounters	
9	Harvest Estimate	5,069	Estimate	6,063	Estimate	3,582
	Harvest Quota	4,700	Encounter Limit	7,317	Encounter Limit	2,110
	Percent of Harvest Quota	108% *	Percent of Encounter Quota	83%	Percent of Encounter Quota	170%

- Harvest through the switch to NR came to 108% of quota.

* Denotes management control(s)



MA-10

For 7/16/21 – 8/8/21

Marine Area	Retained / Legal Chinook Harvest		Sublegal Encounters		Unmarked Encounters	
10	Harvest Estimate	1,371	Estimate	2,796	Estimate	1,665
	Harvest Quota	3,718	Encounter Limit	6,592	Encounter Limit	2,586
	Percent of Harvest Quota	37%*	Percent of Encounter Limit	42%*	Percent of Encounter Limit	64%

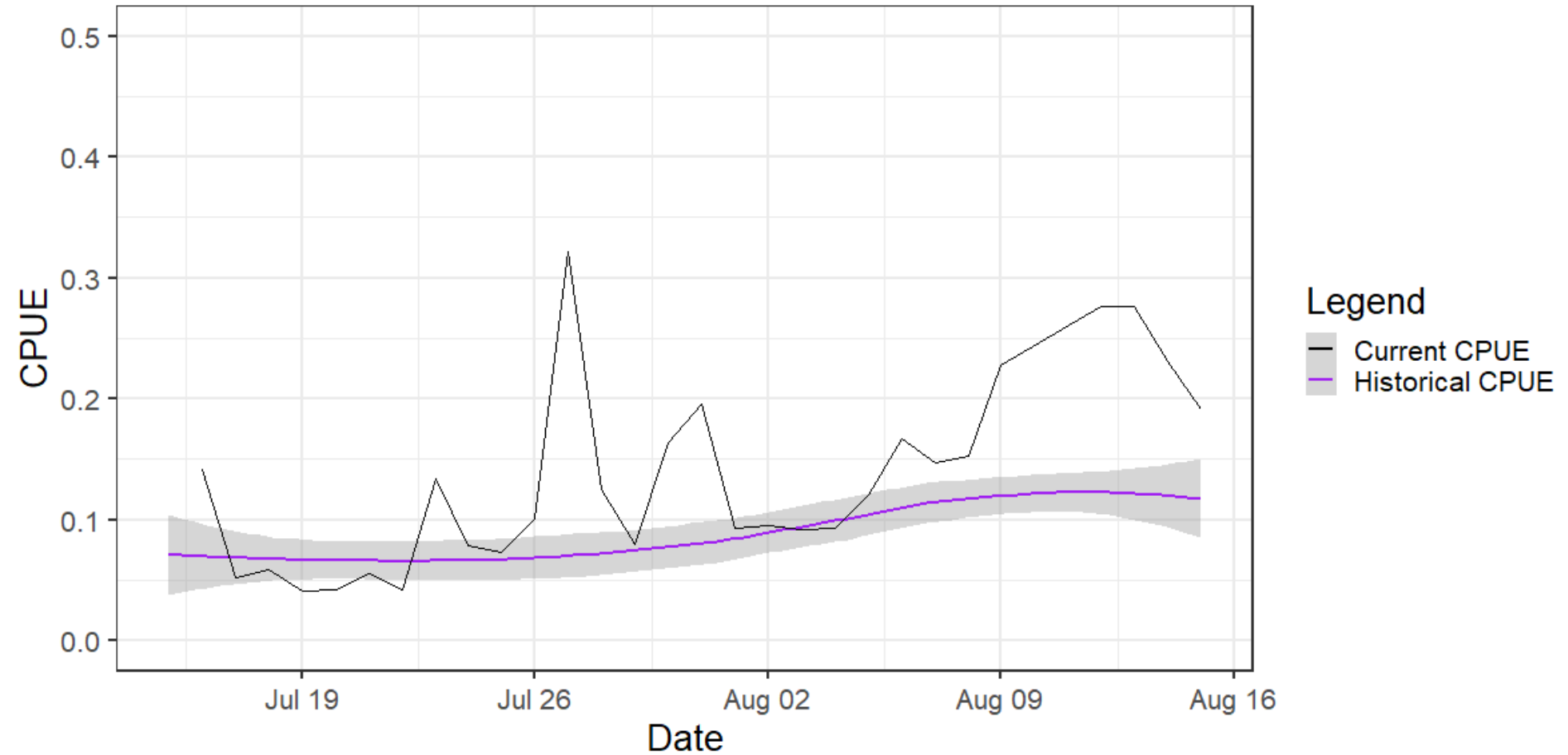
- CPUE increased since last week
- Expected due to MA-9 moving to NR
- We will closely monitor MA-10 in the coming weeks

* Denotes management control(s)



MA-10

Area 10 CPUE Comparison



* Updated on 8/16, data through 8/15



MA-11

For 6/16/21 – 8/8/21

Marine Area	Retained / Legal Chinook Harvest		Sublegal Encounters		Unmarked Encounters	
11	Harvest Estimate	2,007	Estimate	2,448	Estimate	1,543
	Harvest Quota	3,084	Encounter Limit	4,233	Encounter Limit	1,586
	Percent of Harvest Quota	65%*	Percent of Encounter Quota	58%*	Percent of Encounter Quota	97%

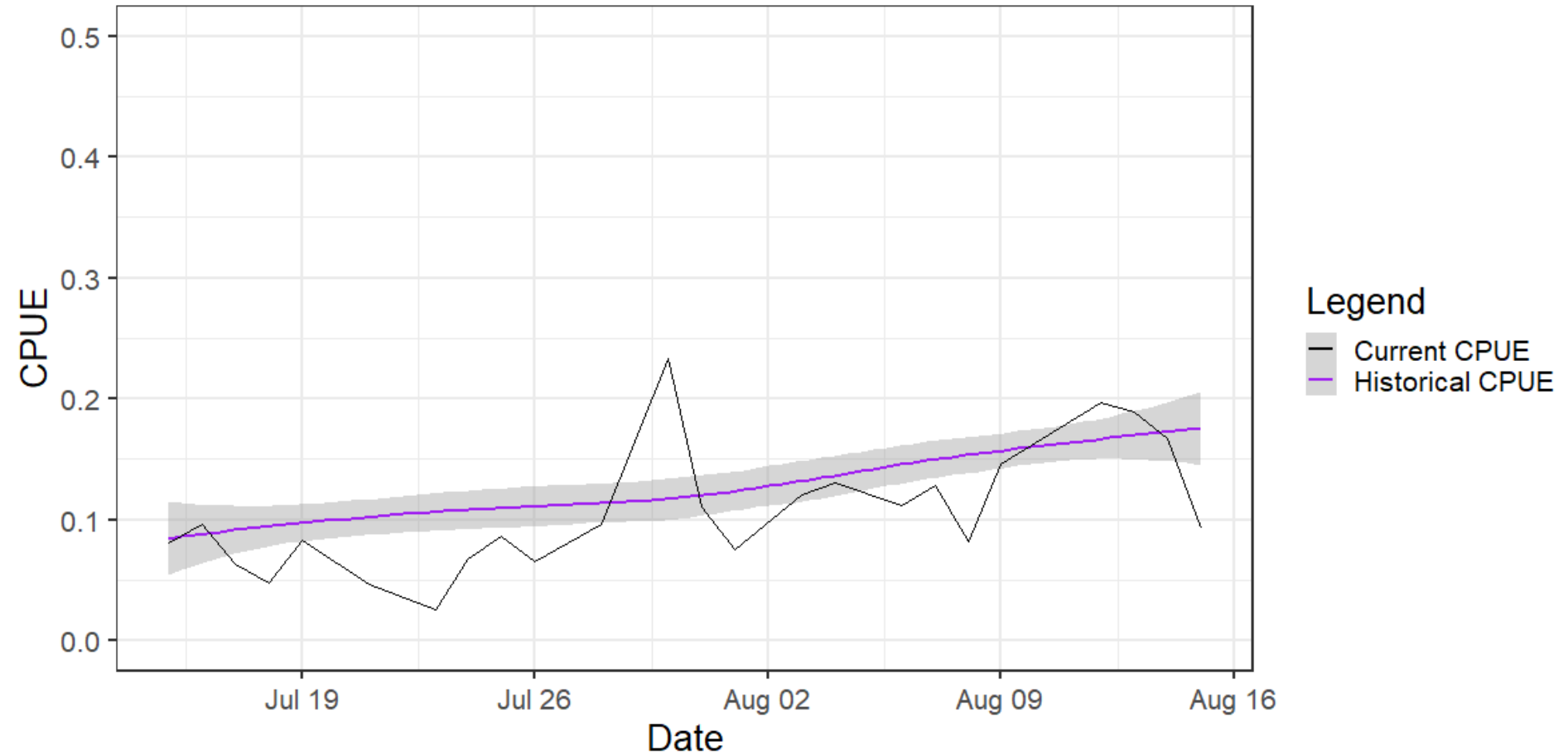
- CPUE has been relatively steady since the opening weekend.
- At the current catch rate, the projection is that we will reach quota by August 25th
- There are impacts modeled in case of early closure

* Denotes management control(s)



MA-11

Area 11 CPUE Comparison



* Updated on 8/16, data through 8/15



Tulalip Bubble

- Met with comanagers on 8/12
- Determined that broodstock numbers were sufficient to allow for re-opening of Tulalip Bubble
- We will continue to monitor broodstock.

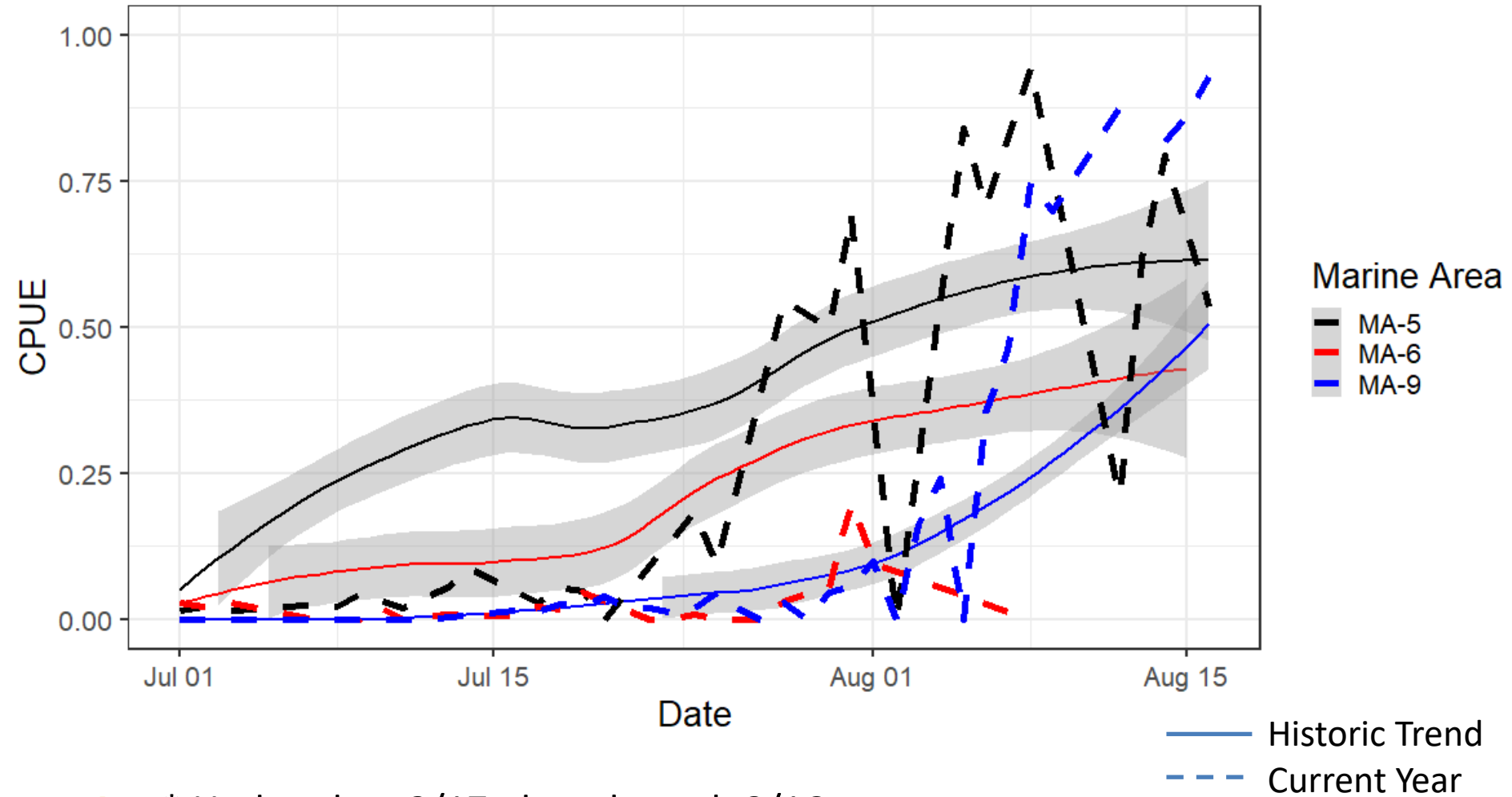
Elliot Bay

- In-season updates (ISU) indicated higher than expected returns to the Green River
- Allowed for additional weekend of opportunity in Elliot Bay



Pink Salmon CPUE MA -5,-6, and -9

Pink Salmon CPUE Comparison



* Updated on 8/17, data through 8/16



MA-7 vs MA-6 & -9

- Stock compositions indicate there is a higher concentration of Stillaguamish fish in MA-7 vs. 6 & 9
- This allows for a higher number of overall Chinook impacts in MA-6 & -9
- Why are 6/9 still open?
 - 6 & 9 reached quota but did not almost double it (100% & 108% vs 185%)
 - There are more total impacts modeled for 6 & 9, due to fewer Stilly fish
 - There were additional impacts built in for MA-9 if it closed early, to continue the Coho season



Other Area 7 Fisheries

- Bellingham Bay modeled separately
 - No Stilly impacts in B'ham Bay
 - Targeting hatchery Chinook from Samish
- Commercial fishery modeled differently
 - No Stilly impacts in the commercial fishery
 - Targeting Fraser Pinks



MA-7 - FRAM

MA-7 Jul - Sep	Total Encounters			Total Mortality			Total Landed		
	Mark	UM	Total	Mark	UM	Total	Mark	UM	Total
Legal	1,569	1,658	3,227	1,464	264	1,728	1,365	17	1,382
Sublegal	1,091	808	1,899	218	162	380	0	0	0
Total	2,661	2,466	5,126	1,683	425	2,108	1,365	17	1,382

- 2,390 CNR encounters built into FRAM pre-season models for September NR
- Total Chinook Encounters for MA-7: 7,234



MA-7 – Catch & Encounters

Metric	Chinook Harvest
Harvest Estimate	2,550
Harvest Quota	1,382
Percent of Harvest Quota	185%*

- Used 4,591 of the 7,234 Total Encounters
- Leaves 2,643 Chinook Encounters through 9/30

Category	Legal Marked	Legal Unmarked	Sublegal Marked	Sublegal Unmarked	Total
Estimated	2,932	676	385	598	4,591
FRAM	1,569	1,658	1,091	808	5,126
Difference	-1,363	982	706	210	535
%	187%	41%	35%	74%	90%



Potential September Scenarios

Dockside Creel Data

CRC Data

Previous Coho Catch	Chinook Encounter	Coho Kept	Ratio Chin / Coho	Total Coho Catch	Potential Chinook Encounters
2018	110	434	0.25	3,605	325 - 902
2019	96	492	0.20	5,600	147 - 1,400
2020	132	1,480	0.09	NA	
Average			0.18	4603	325 - 1400

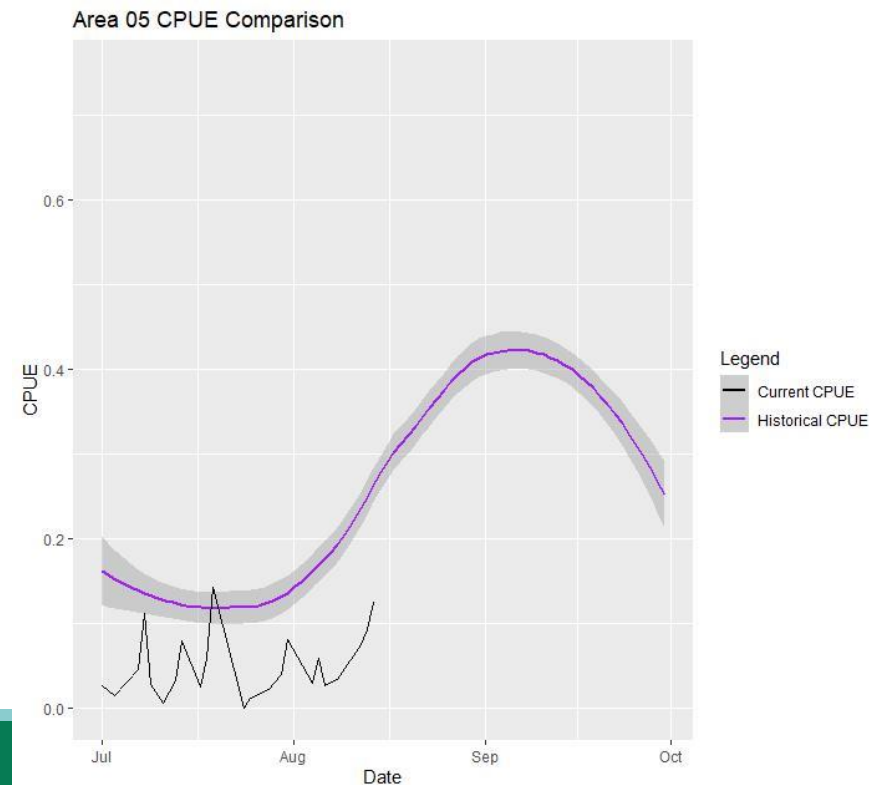
- Average Chinook Enc : Kept Coho ratio is 0.18
- For every 100 kept Coho, ~18 Chinook encountered

Average Sept Coho catch ~4600



Caveats

- Even though we technically have impacts left, there is no guarantee
 - We will be presenting a potential fishery to comanagers for discussion
- Sept Coho fishery is data-limited – encounter rate is likely underestimated
- We don't know the full range of impacts on stocks of concern considering our overage in July
- The Coho run is currently below historic averages



Questions/Comments?

