

Marine Life Protection Act Initiative



Round 2 Evaluation of Potential Impacts to Commercial and Recreational Fisheries

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Presentation to the MLPA Master Plan Science Advisory Team
Eureka, California – June 30, 2010

Round 2 Evaluation: Overview



- Reviewed the four North Coast Regional Stakeholder Group (NCRSG) draft proposals (RU1, RU2, SA1, SA2)
- Based on the aggregate fishing grounds and cost estimates derived from the data collection effort:
 - Determined percentage of area and value affected
 - Evaluated the maximum potential first order economic impact
 - Considered or identified “outliers” – i.e., fisheries likely to experience disproportional impacts
- Focus is on fisheries, and not on regional multipliers
- Not considering special closures, ran cursory analysis using MarineMap; potential impacts were 0.0%, except three recreational fisheries and they were < 0.2%



Round 2 Evaluation: Overview

- It is understood that non-commercial gathering activities specifically authorized in tribal resource protection areas will be allowable for all recreational users.
- Thus, to provide information regarding proposed allowed uses, for any MPA where tribal gathering activities are identified as a proposed use, we report the potential impacts to any recreational fisheries that were identified as not allowed in that MPA.



Evaluation Overview

	Commercial	CPFV	Recreational
# of fisheries	10 species	5 species	6 species
Level of analysis	Port-fishery combinations	Port-fishery combinations	Results reported by user group (private vessel, kayak, dive) and by port
Sample size	219	22	574

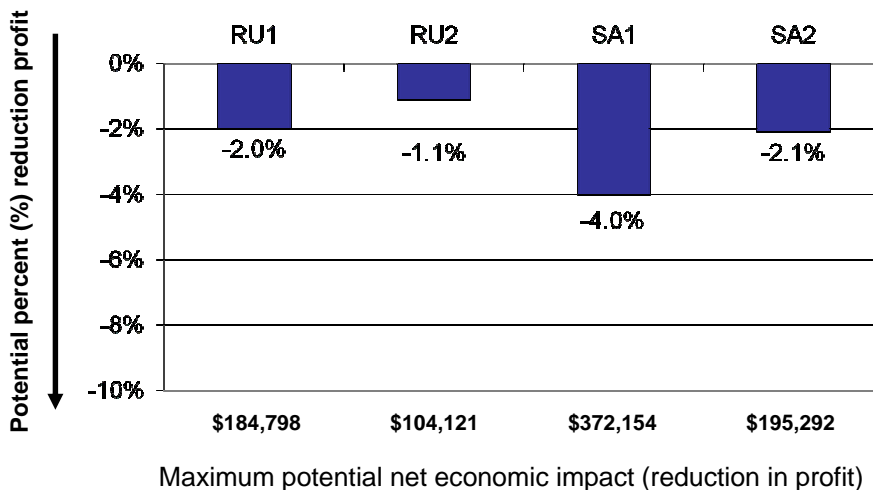
****Reported results represent the maximum potential impacts**

	Commercial	CPFV	Recreational
Potential impacts on fishing grounds (area and stated value)	✓	✓	✓
Potential net economic impacts -1st order	✓	✓	
Potential gross economic impacts -1st order	✓		
Disproportionate impacts on fisheries	✓	✓	
Disproportionate impacts on individuals	✓		



Net Economic Impacts (Commercial)

- RU2 has the lowest potential net economic impact



Net Economic Impacts (Commercial)

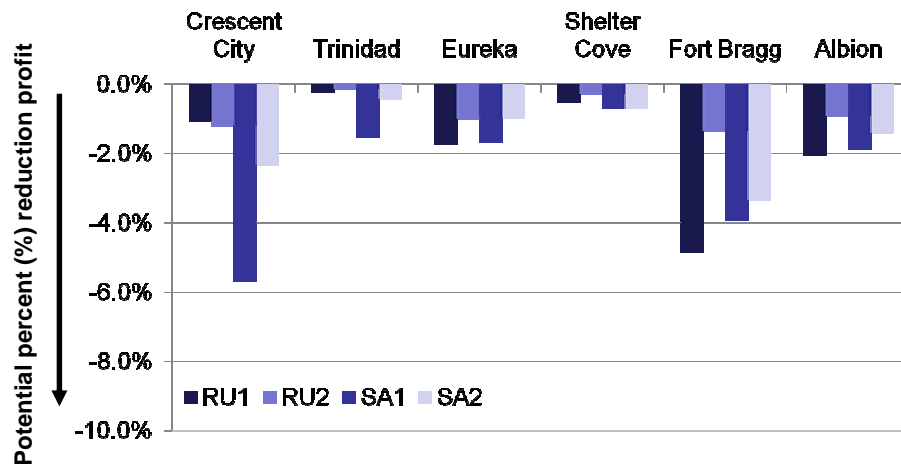
- Reported results represent the maximum potential impacts (i.e., “worst case scenario”)

Port	RU1	RU2	SA1	SA2
	\$ Reduction in Profit			
Crescent City	\$45,429	\$52,283	\$243,852	\$100,973
Trinidad	\$1,481	\$902	\$10,127	\$3,011
Eureka	\$35,243	\$21,006	\$34,332	\$20,000
Shelter Cove	\$205	\$109	\$283	\$280
Fort Bragg	\$98,233	\$27,910	\$79,738	\$68,102
Albion	\$4,207	\$1,911	\$3,823	\$2,925
NCSR	\$184,798	\$104,121	\$372,154	\$195,292
	% Reduction in Profit			
Crescent City	1.1%	1.2%	5.7%	2.3%
Trinidad	0.2%	0.1%	1.5%	0.5%
Eureka	1.7%	1.0%	1.7%	1.0%
Shelter Cove	0.5%	0.3%	0.7%	0.7%
Fort Bragg	4.8%	1.4%	3.9%	3.4%
Albion	2.1%	0.9%	1.9%	1.4%
NCSR	2.0%	1.1%	4.0%	2.1%



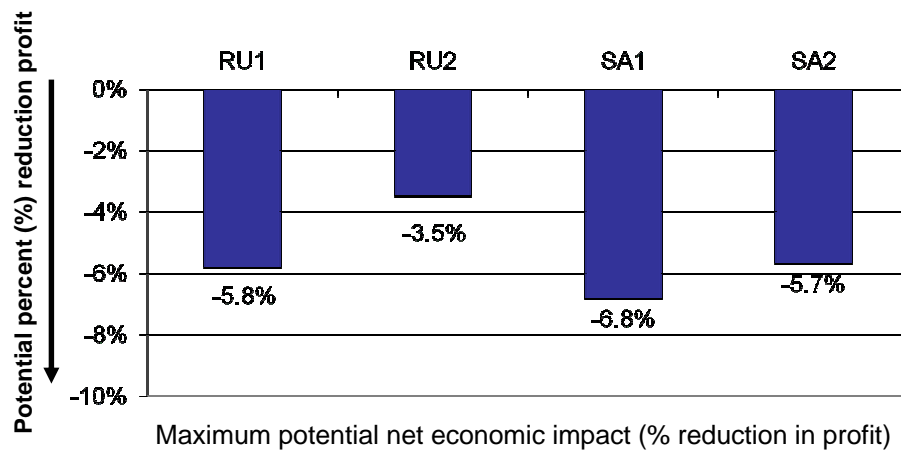
Net Economic Impacts (Commercial)

- Generally, Trinidad and Shelter Cove have the lowest potential net impacts across all proposals



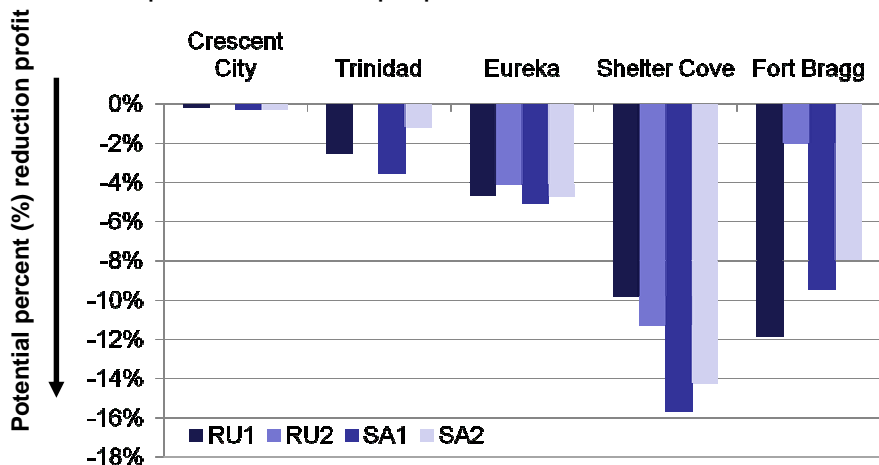
Net Economic Impacts (CPFV)

- SA1 has the highest and RU2 has the lowest potential net economic impacts on CPFV fisheries



Net Economic Impacts (CPFV)

- Generally, Shelter Cove has the highest potential impacts and Crescent City has the lowest potential impacts across all proposals

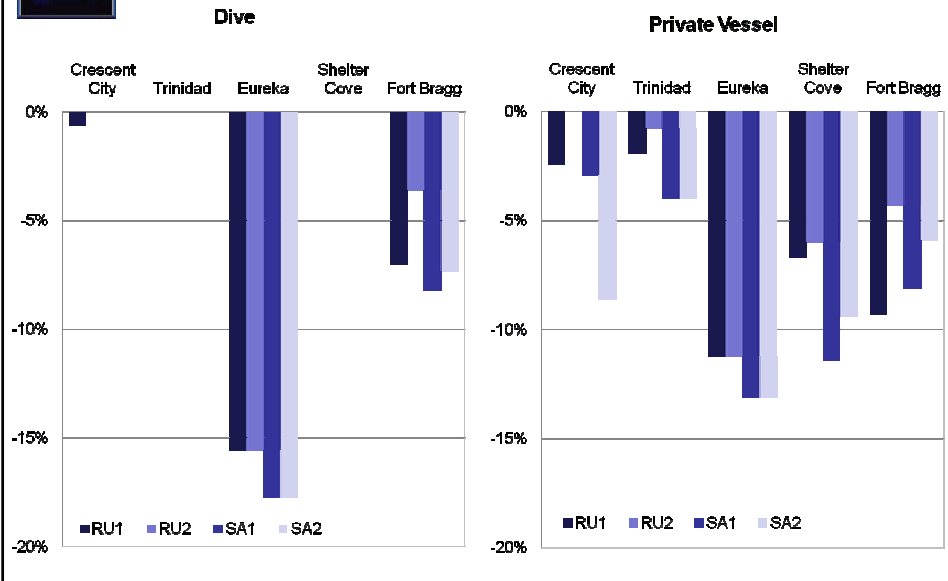


Potential Impacts (Recreational)

- Potential impacts to recreational fisheries vary across proposals and also by port, user group and fishery
- For example, rockfish/bottomfish generally tends to have higher potential impacts across ports and user groups; however, the potential impacts to this fishery across ports and user groups vary substantially



Potential Impacts (Rec.) - Rockfish



Disproportionate Impacts Summary

- Commercial port-fishery combinations disproportionately impacted

Port	Fishery	MPA Proposal(s)	Estimated Impact on Stated Value of Total Fishing Grounds
Fort Bragg	Dungeness Crab	RU1, SA1, SA2	3.3%, 2.3%, 2.2%
Crescent City	Dungeness Crab	SA1	3.1%

* Note on the following slide that surfperch may be disproportionately impacted relative to other fisheries

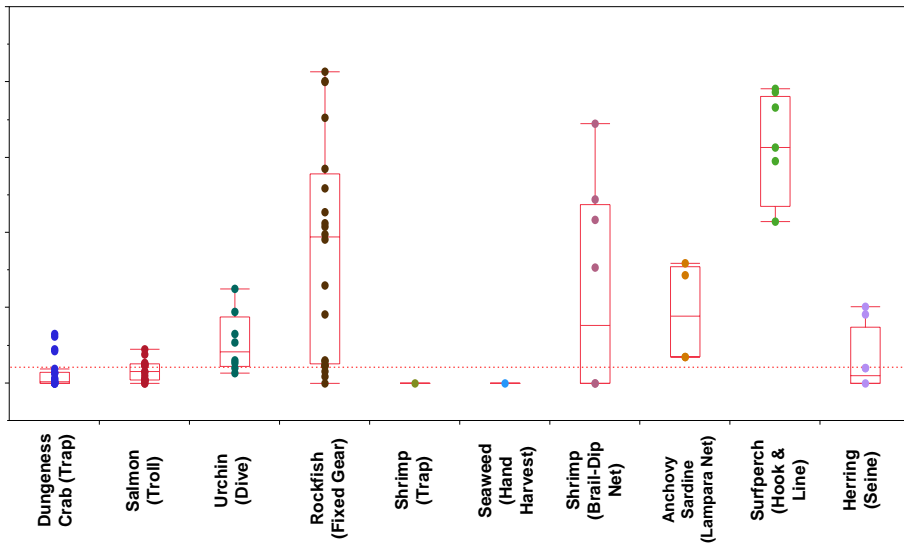
- CPFV port-fishery combinations disproportionately impacted

Port	Fishery	MPA Proposal(s)	Estimated Impact on Stated Value of Total Fishing Grounds
Fort Bragg	Dungeness Crab	RU1, SA1, SA2	9.8%, 4.6%, 4.6%

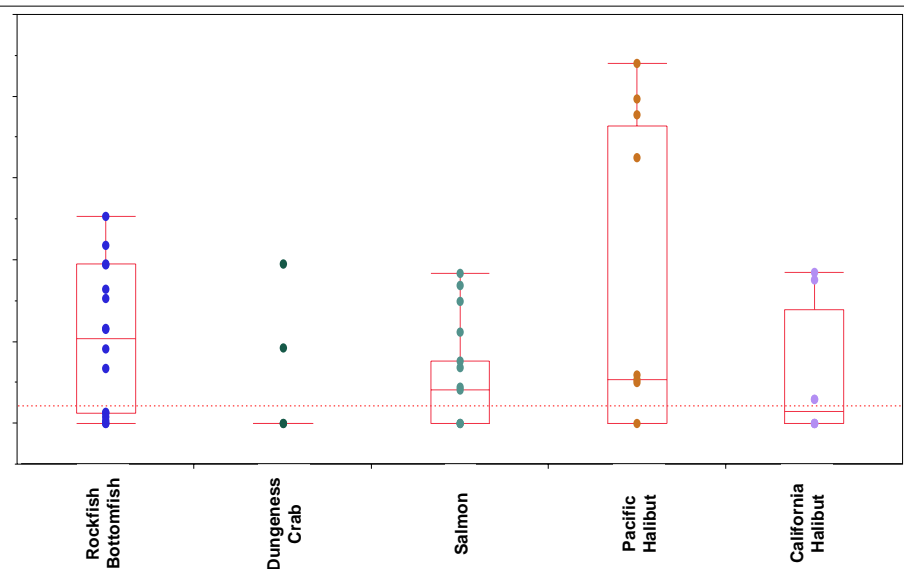
* Note on the following slide the bi-modal nature of potential impacts to Pacific halibut



Disproportionate Impacts on Commercial Fisheries



Disproportionate Impacts on CPFV Fisheries



Summary Across Sectors

- The estimated average net economic impact across all proposals varies between commercial (2.3%) and CPFV (5.4%)
- SA1 generally has higher potential impacts than other proposals for commercial and CPFV fisheries
- The rockfish fishery generally has the highest potential impact for recreational species

		MPA Proposal with highest potential impact	MPA Proposal with lowest potential impact
		<u>Net economic value</u>	
Commercial	SA1	-4.0%	RU2 -1.1%
CPFV	SA1	-6.8%	RU2 -3.5%

Convergence

