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Marine Life Protection Act Initiative

Evaluation of Potential Impacts to Commercial and Recreational Fisheries from the North Coast Enhanced Compliance Alternative and Revised Round 3 North Coast RSG Marine Protected Area Proposals

Presentation to the MLPA Master Plan Science Advisory Team
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Round 3 Evaluation: Overview

- Directed by MLPA Blue Ribbon Task Force (BRTF) to conduct evaluation of:
  - Revised Round 3 North Coast Regional Stakeholder Group Marine Protected Area Proposal (labeled RNCP)
  - North Coast Enhanced Compliance Alternative (labeled ECA)
- Evaluations based on the aggregate fishing grounds and cost estimates derived from Ecotrust data collection effort:
  - Estimated percentage of area and value affected
  - Evaluated maximum potential first order economic impact
  - Considered or identified “outliers” – i.e., fisheries likely to experience disproportional impacts
- Focus is on fisheries, and not regional multipliers.

Evaluation Overview

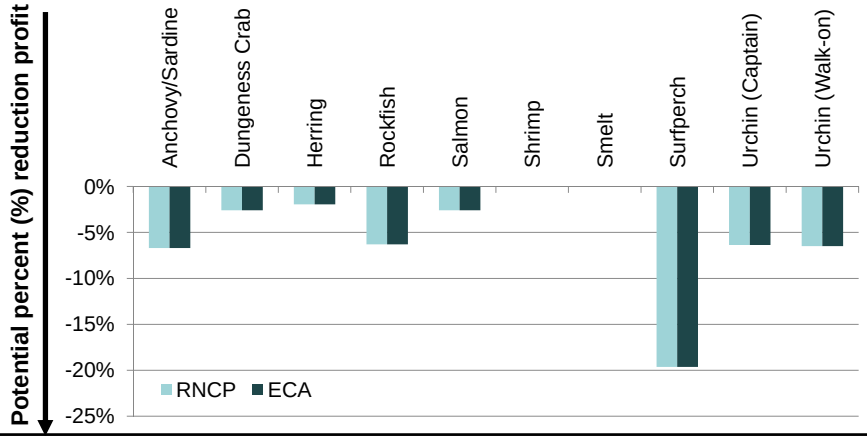
	Commercial	CPFV	Recreational
# of fisheries	10 species	5 species	6 species
Level of analysis	Port-fishery combinations	Port-fishery combinations	Results reported by user group (private vessel, kayak, dive) and by port
Sample size	219	22	574

****Reported results represent the <u>maximum potential impacts</u>**

	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	✓	✓	

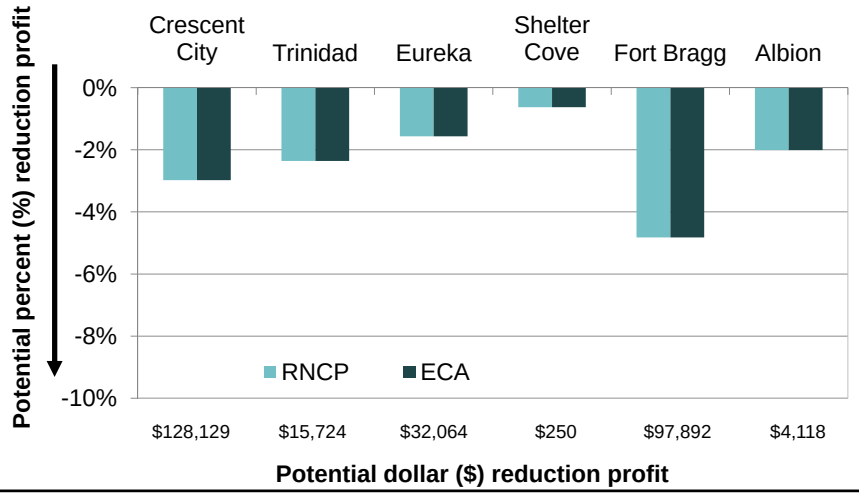
Net Economic Impacts (Commercial)

- Reported results represent the maximum potential impacts (i.e., “worst case scenario”).
- No difference in potential impacts between RNCP & ECA
- Potential impact for all commercial fisheries is 3%.



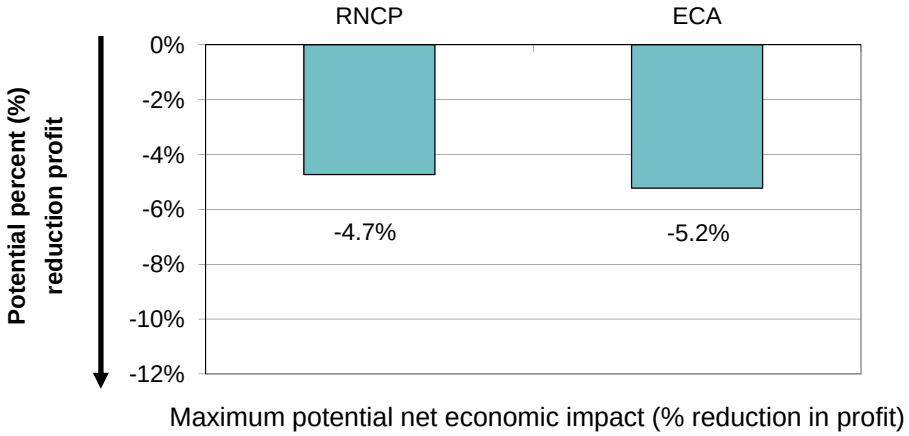
Net Economic Impacts (Commercial)

- Generally, Shelter Cove has the lowest potential net impacts (in both percentage and dollar terms).



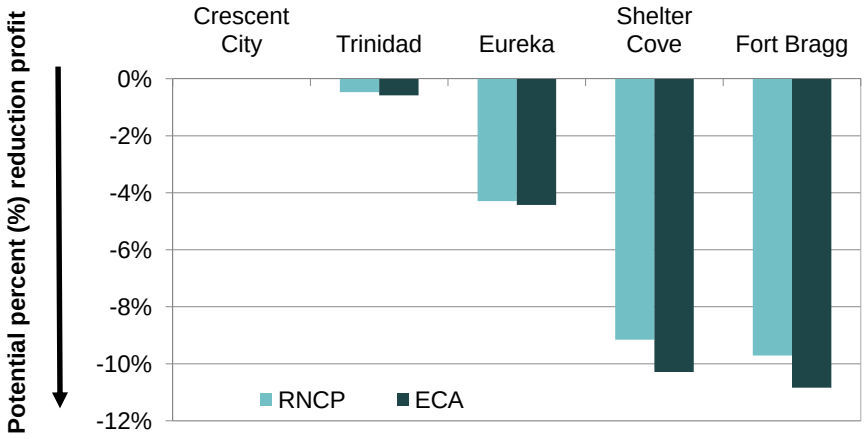
Net Economic Impacts (CPFV)

- RNCP has slightly lower potential impacts on CPFV fisheries compared to ECA.



Net Economic Impacts (CPFV)

- Generally, Fort Bragg and Crescent City have highest and lowest potential impacts, respectively.
- North to south increasing trend of potential impacts



MPA Specific Potential Impacts (CPFV)

- Four port-fishery combinations where there is a difference in potential impacts between RNCP & ECA

		Potential Impact on Area		Potential Impact on Value	
ECA MPAs	**Port-Fishery**	**RNCP**	**ECA**	**RNCP**	**ECA**
Samoa Offshore SMCA	Trinidad – Ca. Halibut	0.0%	16.2%	0.0%	0.4%
Samoa Offshore SMCA	Eureka – Pac. Halibut	4.3%	7.4%	2.4%	3.0%
Big Flat Offshore SMCA	Shelter Cove – Rockfish/Bottomfish	4.8%	8.9%	4.3%	6.9%
Vizcaino Offshore SCMA	Fort Bragg – Rockfish/Bottomfish	2.5%	6.4%	3.4%	5.9%

MPA Specific Potential Impacts (Rec.)

- Differences in the potential impacts between RNCP and ECA can be attributed to differences in the allowed take for four MPAs proposed in ECA

Potential Impacts on Private Vessel

		Potential Impact on Area		Potential Impact on Value	
ECA MPAs	**Port-Fishery**	**RNCP**	**ECA**	**RNCP**	**ECA**
Reading Rock SMCA	Crescent City – Rockfish/Bottomfish	1.9%	5.3%	0.1%	0.1%
Reading Rock SMCA	Trinidad – Rockfish/Bottomfish	2.7%	6.3%	0.2%	5.4%
Samoa Offshore SMCA	Eureka – Pacific Halibut	2.7%	3.7%	0.5%	0.8%
Big Flat Offshore SMCA & Vizcaino Offshore SMCA	Shelter Cove – Rockfish/Bottomfish	0.3%	10.0%	0.1%	7.0%
Vizcaino Offshore SMCA	Fort Bragg – Rockfish/Bottomfish	3.8%	5.3%	5.0%	7.5%

MPA Specific Potential Impacts (Rec.)

Potential Impacts on Dive

		Potential Impact on Area		Potential Impact on Value	
ECA MPAs	**Port-Fishery**	**RNCP**	**ECA**	**RNCP**	**ECA**
Big Flat Offshore SMCA & Vizcaino Offshore SMCA	Fort Bragg – Abalone	2.4%	4.5%	2.3%	2.9%

Potential Impacts on Kayak

		Potential Impact on Area		Potential Impact on Value	
ECA MPAs	**Port-Fishery**	**RNCP**	**ECA**	**RNCP**	**ECA**
Vizcaino Offshore SMCA	Fort Bragg – Rockfish/Bottomfish	2.1%	12.0%	1.7%	5.4%

Summary Across Sectors

- Potential net economic impact to commercial fisheries is 3%
  - Higher potential impacts to commercial fisheries in Fort Bragg (4.8%), Crescent City (3.0%), and Trinidad (2.4%)
  - Potential impact to Fort Bragg commercial fisheries generally distributed across fisheries
  - Potential impact to Crescent City, Eureka and Trinidad commercial fisheries generally is to Dungeness crab
- Average net economic impact to CPFV fisheries is 4.7% (RNCP) and 5.2% (ECA)
  - Trend in potential impact from north (lowest) to south (highest)
- Primary differences in rec. impacts between two proposals are for Trinidad and Shelter Cove–Rockfish/Bottomfish (Private Vessel) and Fort Bragg–Rockfish/Bottomfish (Kayak)
  - In all cases, higher impacts are seen under ECA

Comparison Across Regions

Potential net economic impacts to all commercial and CPFV fisheries by region