Evaluation of the Potential Impact of Draft MPA Proposals on Abalone Recreational Fishery and Abalone Management in the North Central Coast Study Region
North Central Coast Regional Stakeholder Group Meeting
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Recreational Abalone Harvest

- Significant recreational abalone fishery in NCCSR
  1. >127,000 abalone harvested in 2005
- Evaluation provides maximum potential impacts to recreational harvest
  - Based on DFG abalone report card data for pre-designated landing sites
  - Anglers must report harvested abalone to nearest landing site on the report card
  - Evaluation shows proportion of total regional harvest for 2005 that may be impacted by MPAs that prohibit abalone harvest
  - This is worst case scenario
    - Assumes anglers do not move to a new location

Stornetta Ranch (Sea Lion Cove)

- When public gained access to Stornetta in 2004, landings nearly quadrupled at the Point Arena Lighthouse report card landing site
- Some draft proposals include a large portion of the Stornetta Ranch area (#4) – others avoided it (#3)

Maximum Potential Impact to Abalone Harvest Based on 2005 Abalone Report Card Data for the NCCSR

Draft Proposal 1

Draft Proposal 2

Maximum % Reduction in Total Abalone Harvest

San Francisco Bay (Southern terminus of abalone fishery)
Maximum Potential Impact to Abalone Harvest Based on 2005 Abalone Report Card Data for the NCCSR

### Draft Proposal 3
- San Francisco Bay (Southern terminus of abalone fishery)

### Draft Proposal 4
- San Francisco Bay (Southern terminus of abalone fishery)

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**Summary**

- Proposals 1 and 2 include part of Stornetta Ranch in SMR
- Proposal 3 has the least potential impact to recreational harvest of abalone (Stornetta not included in SMR)
- Proposal 4 includes Sea Lion Cove at Stornetta in SMR

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**Potential Impacts to Abalone Management**

- **Index sites** = locations of underwater and intertidal survey sites
  - Evaluation shows % of index site area encompassed by a proposed MPA
- Only Draft Proposal 4 includes an index site within a MPA
  - 45% of an index site area lies within proposed Black to Salt Point SMR
- Management Implications
  - This should have no significant impact to management
  - Surveys will continue outside of SMR

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**Maximum Potential Impact to Recreational Abalone Harvest**

- **Draft Proposal 0**
  - 0.00%
- **Draft Proposal 1**
  - 25.26%
- **Draft Proposal 2**
  - 22.66%
- **Draft Proposal 3**
  - 24.81%
- **Draft Proposal 4**
  - 26.94%
- **Draft Proposal 4 External Proposal A**
  - 6.16%
  - 0%
  - 10%
  - 20%
  - 30%
  - 40%
  - 50%