

Agenda Item C.2.a
Supplemental REVISED Attachment 1
April 2014

2015-2016 Harvest Specifications and Management Measures

Adopt all OFLs, ABCs, and ACLs

- In determining the last few harvest specifications, there have been some changes to OFLs (e.g., greenspotted rockfish)
- Washington cabezon specifications yet to be decided
- Confirm EC species designations
- Confirm management of kelp greenling, WA cabezon, and leopard shark – manage separately or in a Shallow Roundfish complex?

Cowcod Rebuilding Plan

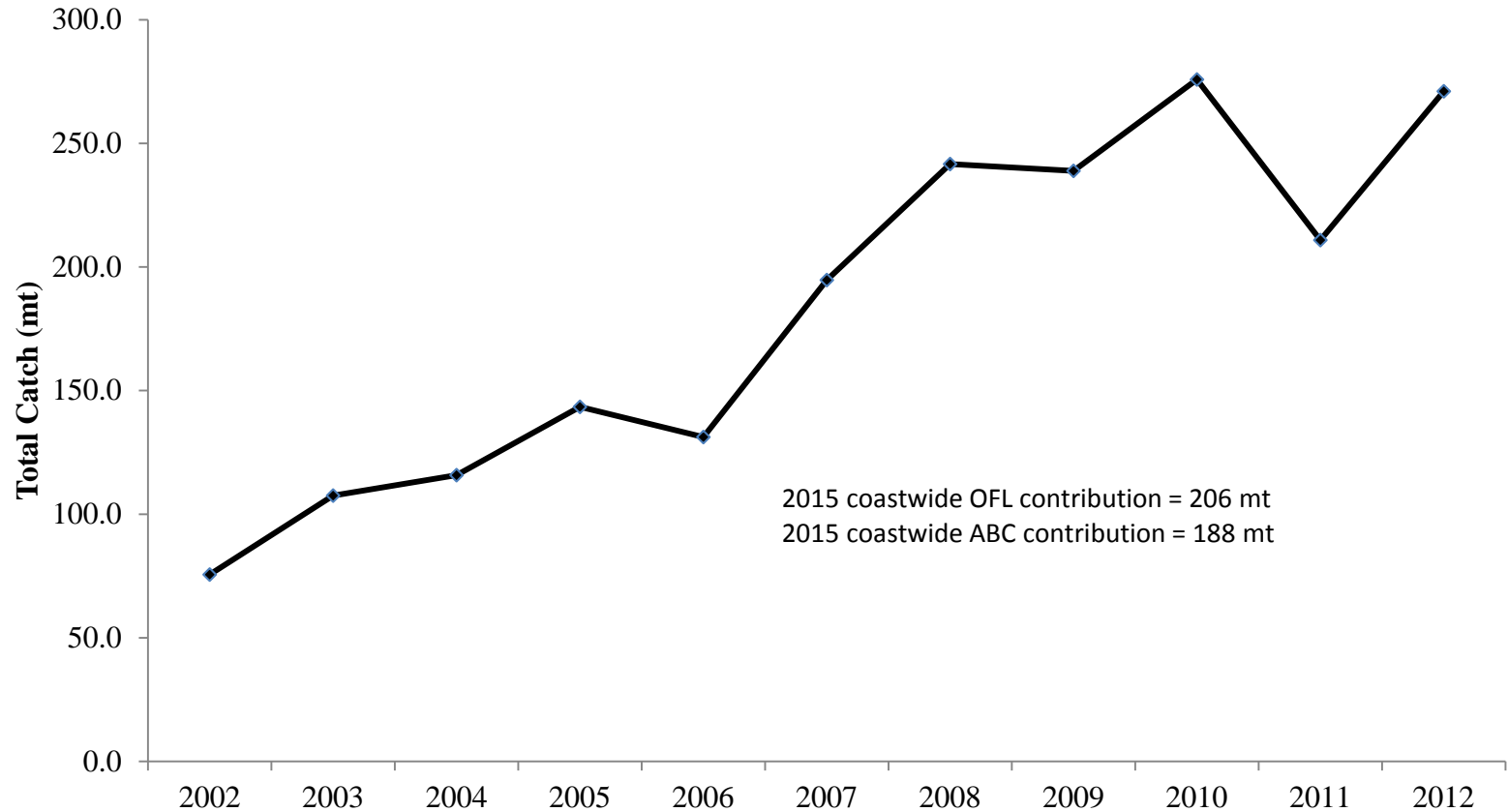
- Confirm PPA for the 4 mt ACT
- Confirm PPA for default harvest control rules (constant harvest rate) = 10 mt ACL
- Decide rebuilding year (T_{TARGET})
 - 2068 is beyond the new T_{MAX} of 2057
 - Adopt median time to rebuild under the HCR in the current rebuilding plan (2020) or later to increase the probability of rebuilding by T_{TARGET} ?

Slope Rockfish Complexes

- Adopt PPA for restructuring the Slope Rockfish complexes under Agenda Item C.8
- Consider narrowed action alternatives decided for analysis in November (Agenda Item C.8.a, Attachment 1)
 - Likely delay in submitting the DEIS and implementing new regs. If all these remain in the 2015-16 spex analysis
- Biological impacts of rougheye and shortraker addressed in Prelim. DEIS section 4.1 (Agenda Item C.4.a, Attachment 3), in NMFS analysis (Agenda Item C.8.a, Attachment 2), and excerpts of DEIS Appendix B (Agenda Item C.8.a, Attachment 3)

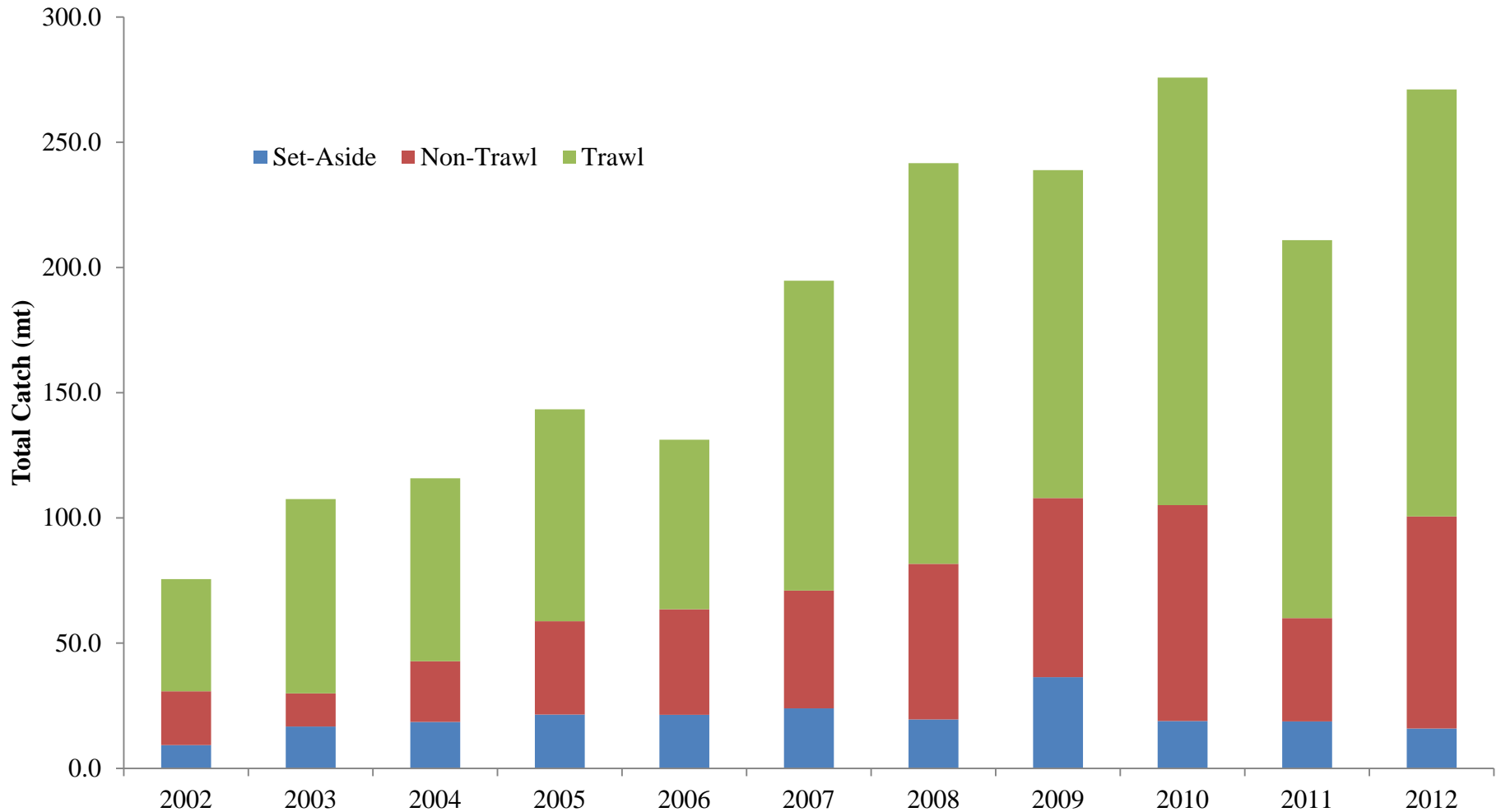
Rougeye Issue

Coastwide Fishing Mortality Relative to the 2015 OFL and ABC

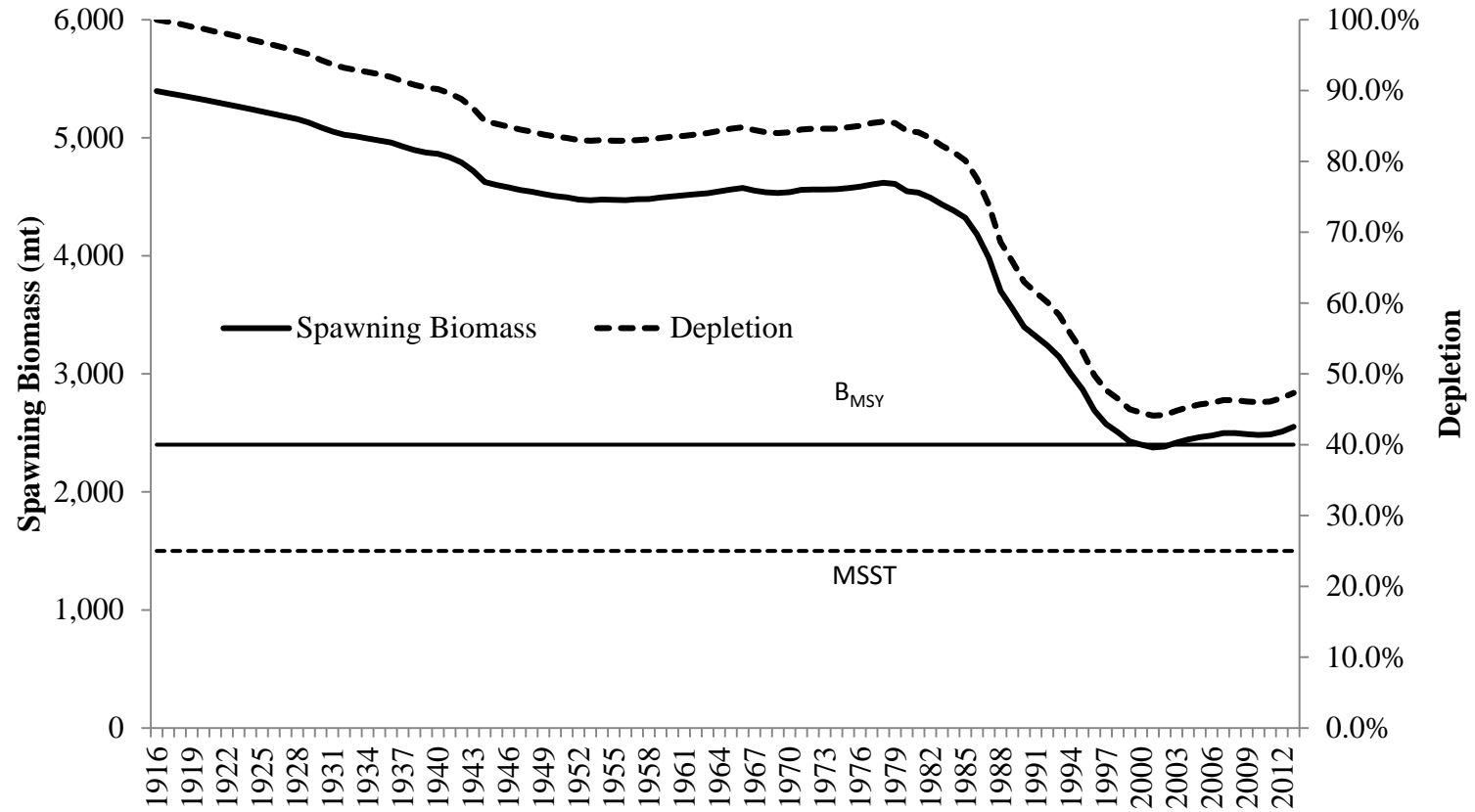


Rougeye Rockfish

Fishing Mortality by Sector

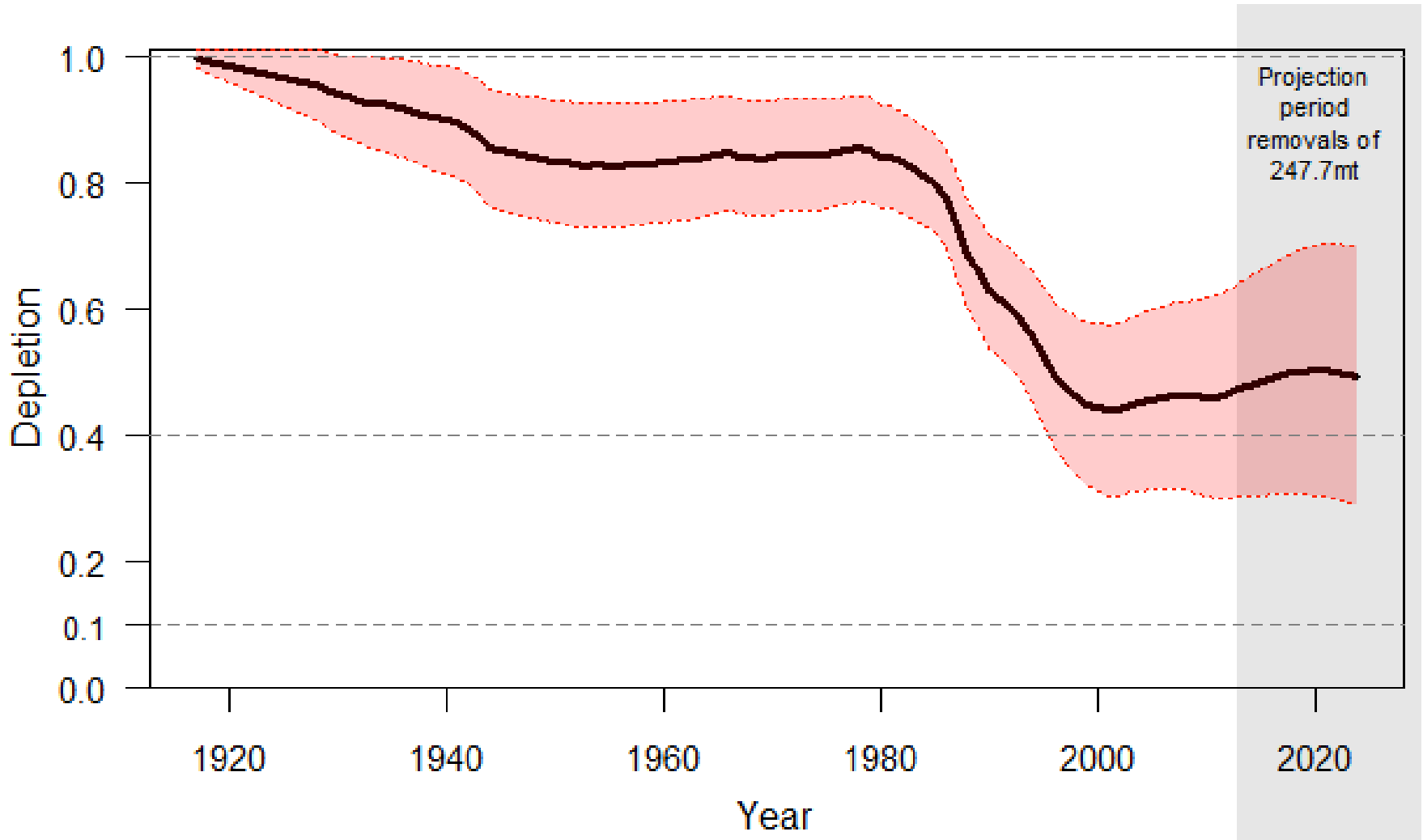


Rougheye Status



Rougeye Risk

Projected Depletion Assuming the 2008-12 Catch Levels



Rougheye Management Alternatives - Trawl

No Action	Harvest Spex Alts 1-3: No Action Complex plus New MM (analyzed in DEIS)	NMFS Alt. Rougheye/Shortraker ACL (analyzed in NMFS Report)
<p>*Slope rockfish IFQ</p> <p>*Slope rockfish set-aside for at-sea sectors</p> <p>*RCA a/</p>	<p>In addition to No Action measures,</p> <p>*GCAs – discrete area closures</p> <p>*HG for Trawl/Non-Trawl and/or within trawl and/or a shared HG</p> <p>*Rockfish excluders for midwater Pacific whiting gears - both shoreside, CP, and MS</p> <p>*Rougheye set-aside for at-sea, in addition to the slope rockfish set-aside</p>	<p>*IFQ for rougheye/shortraker and slope would be automatically issued b/ unless another process is adopted</p> <p>*New measures under Alts 1-3 could also be implemented, if nec.</p>

a/ Moving the RCA from 100 to 200 fm would result in reduced rougheye rockfish interactions. The largest reductions would occur if the RCA is moved deeper than 250 fm, which would limit access to target species.

b/See regulations at 660.140(C)(3)(vii)

Rougeye Management Alternatives – Non-Trawl

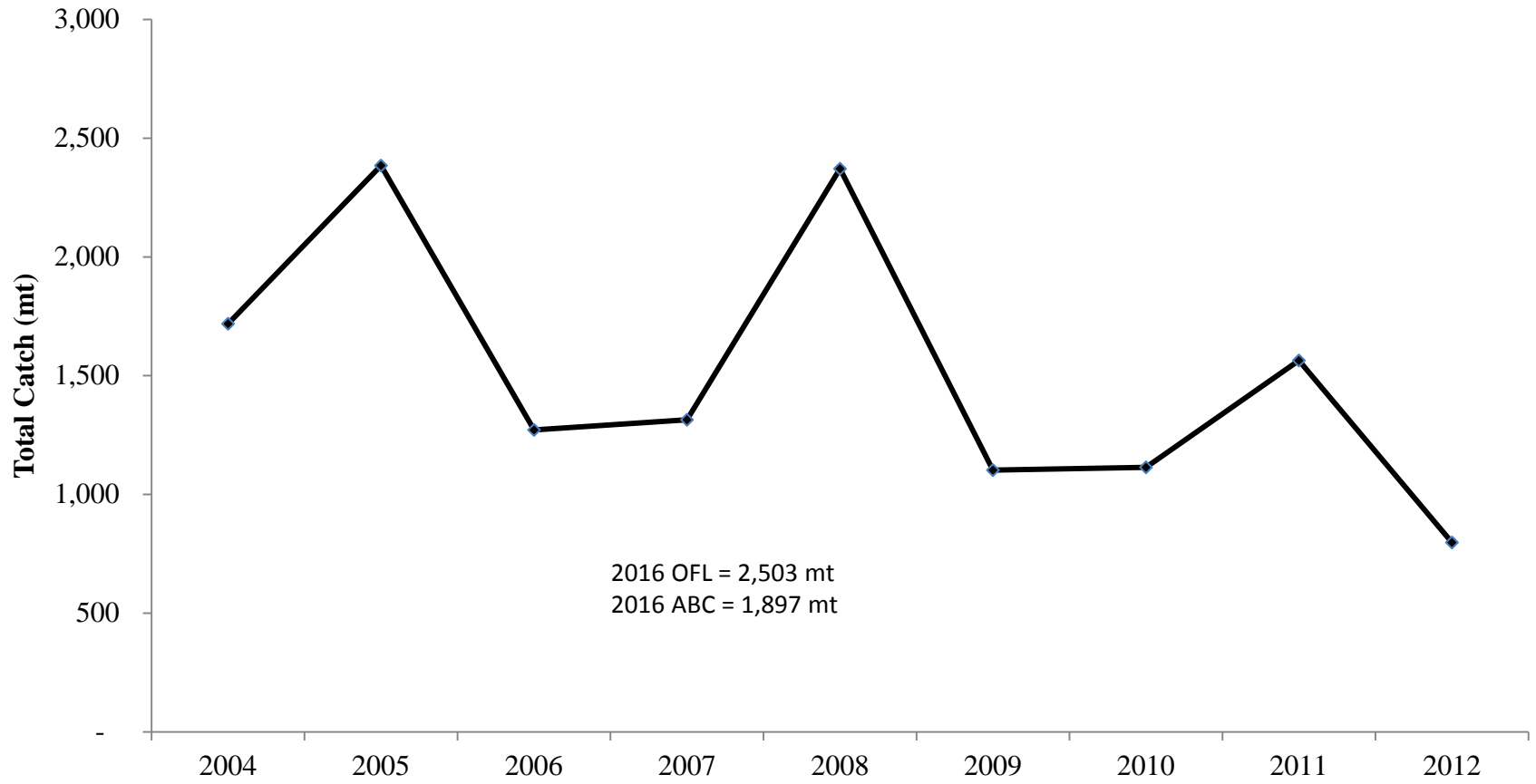
Current	Harvest Spex Alts 1-3: No Action Complex Structure plus New MM (analyzed in DEIS)	NMFS Alt. Rougeye/Shortraker ACL (analyzed in NMFS Report)
<p>*Trip limit reductions a/</p> <p>*RCAs b/</p>	<p>In addition to No Action measures,</p> <p>*GCAs – discrete area closures</p> <p>*Sub-trip limits for rougeye rockfish within slope?</p>	<p>*GCAs under Alts 1-3 could also be implemented, if nec.</p>

a/ Reductions to the slope rockfish trip limits could reduce targeting of slope species. However, incidental catch of rougeye rockfish could still occur and most (all?) would not survive release. The efficacy of such reductions needs further analysis.

b/ Moving the RCA from 100 fm to 200 fm would result in reduced rougeye rockfish interactions. The largest reductions would occur if the RCA is moved deeper than 250 fm, which would limit access to target.

Spiny Dogfish

Fishing Mortality Relative to the 2016 OFL and ABC



Spiny Dogfish

Fishing Mortality by Sector



Spiny Dogfish Management Alternatives

Sector	No Action	Harvest Spex Alts 1-3: Stock-Specific ACL plus New MM (analyzed in DEIS)
Trawl	<ul style="list-style-type: none"> *Trip Limits a/ *Other Fish set-aside for at-sea sectors *RCA b/ 	<p>In addition to No Action measures,</p> <ul style="list-style-type: none"> *GCAs – discrete area closures? *HG for Trawl/Non-Trawl and/or within trawl? *Spiny dogfish set-aside for at-sea?
Non-Trawl - Commercial	<ul style="list-style-type: none"> *Trip limits a/ *RCA b/ 	<p>In addition to No Action measures,</p> <ul style="list-style-type: none"> *GCAs – discrete area closures?

a/ To the extent trip limit reductions reduce targeting, decreased mortality would occur. If fishing continues in the same area but discarding increases, the change in mortality will be less because discard mortality is 100% for trawl fisheries and 50% for fixed gear fisheries.

b/ RCA movements may need to be extensive, which would limit access to target spp.

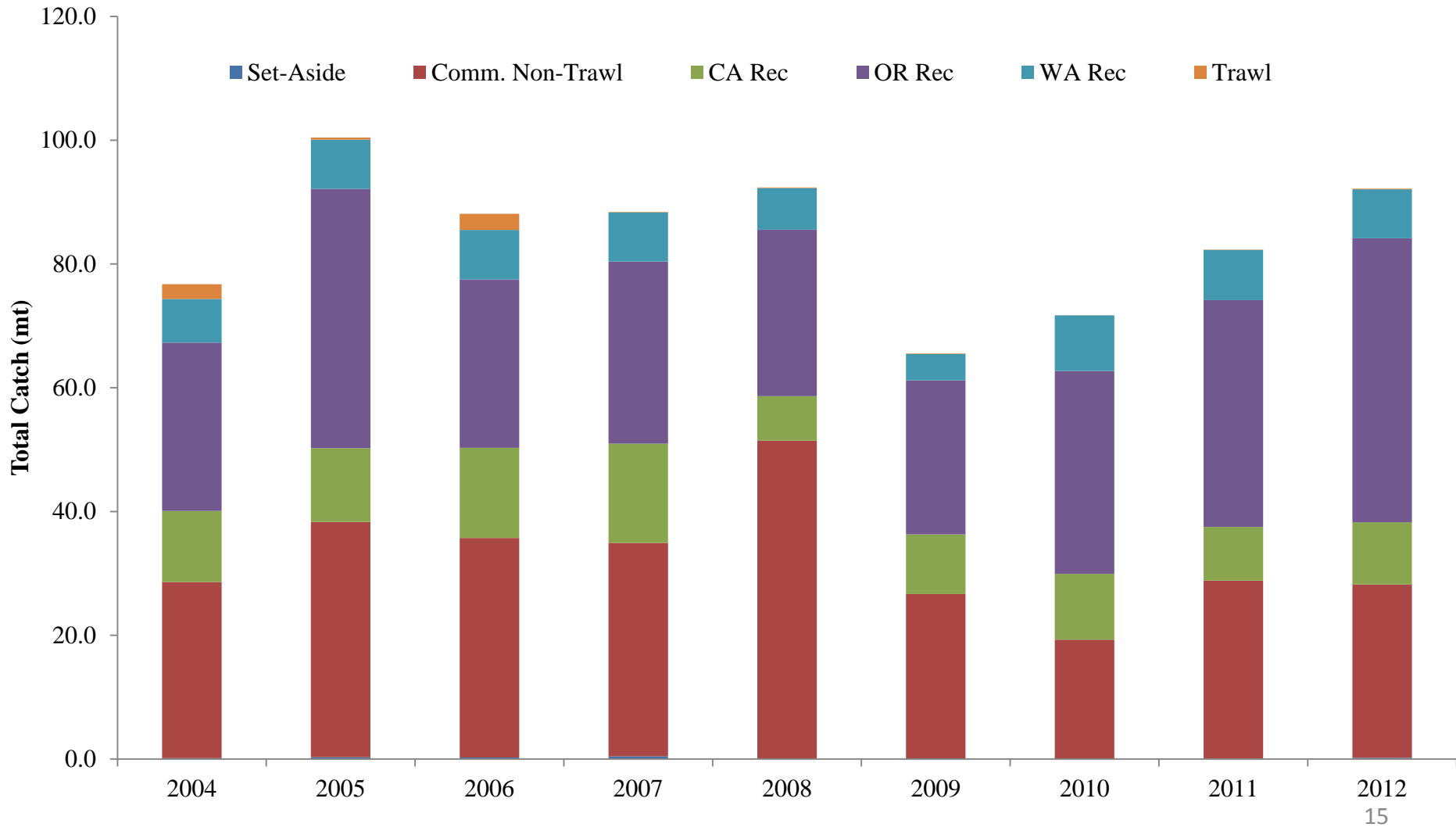
Nearshore Rockfish N

Fishing Mortality Relative to the 2015 OFL and ACL



Nearshore Rockfish N

Fishing Mortality by Sector

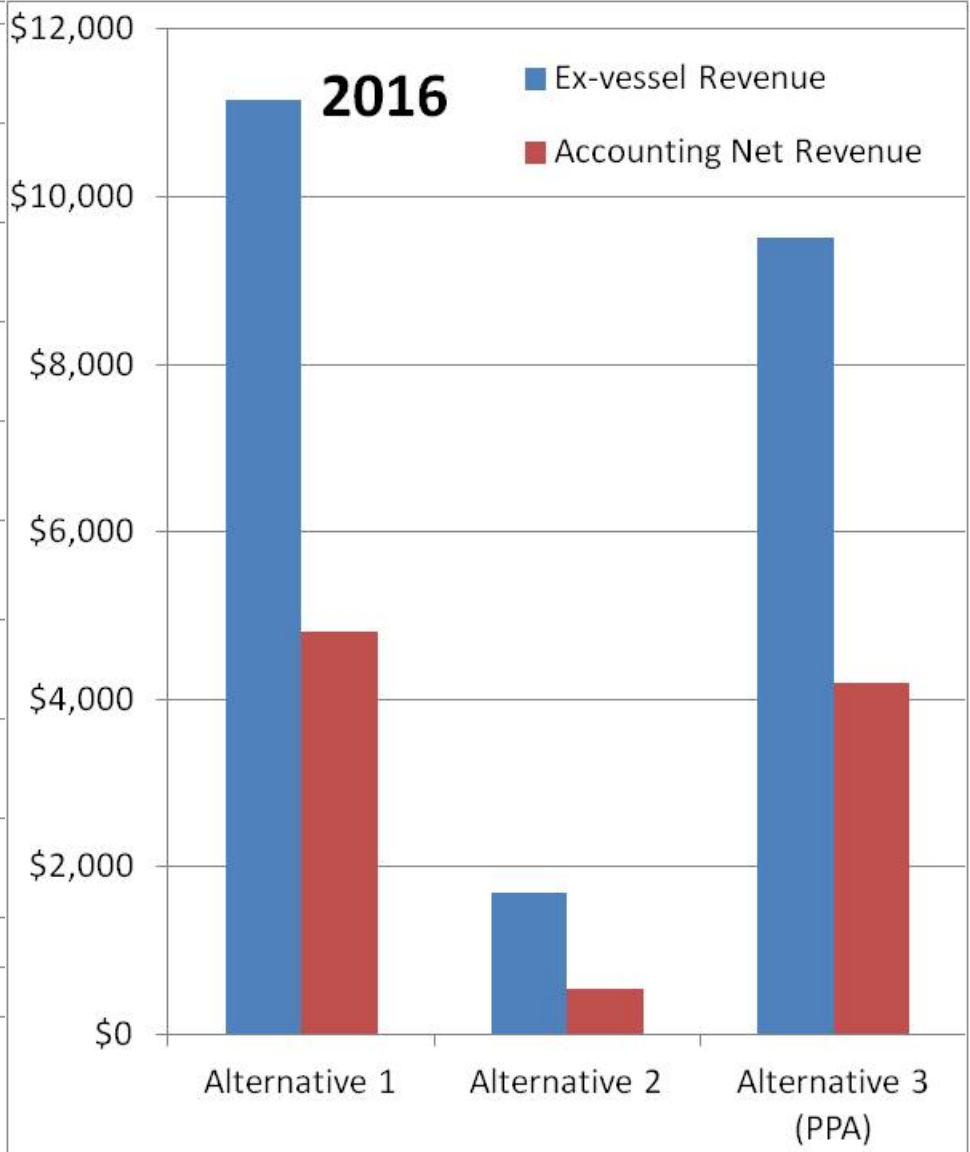
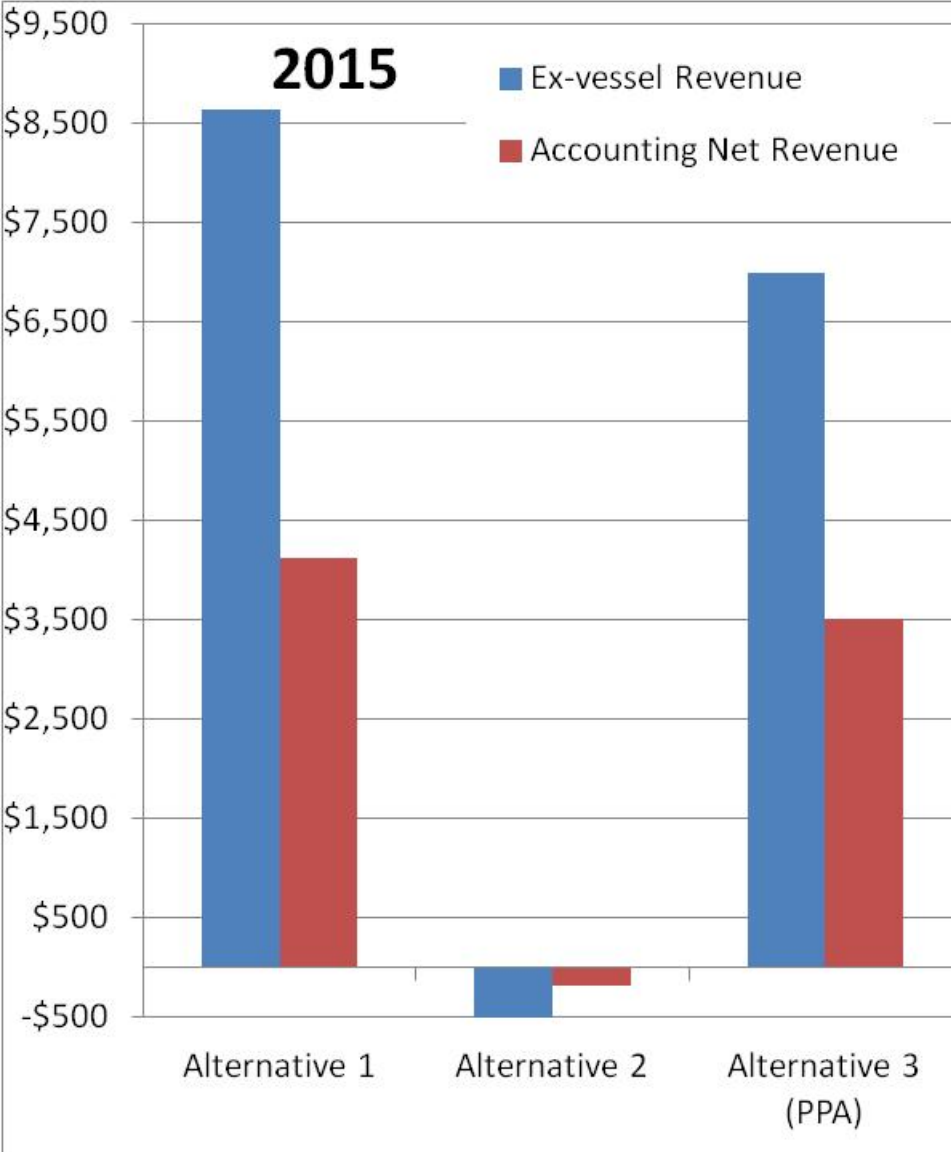


Nearshore Management Alternatives

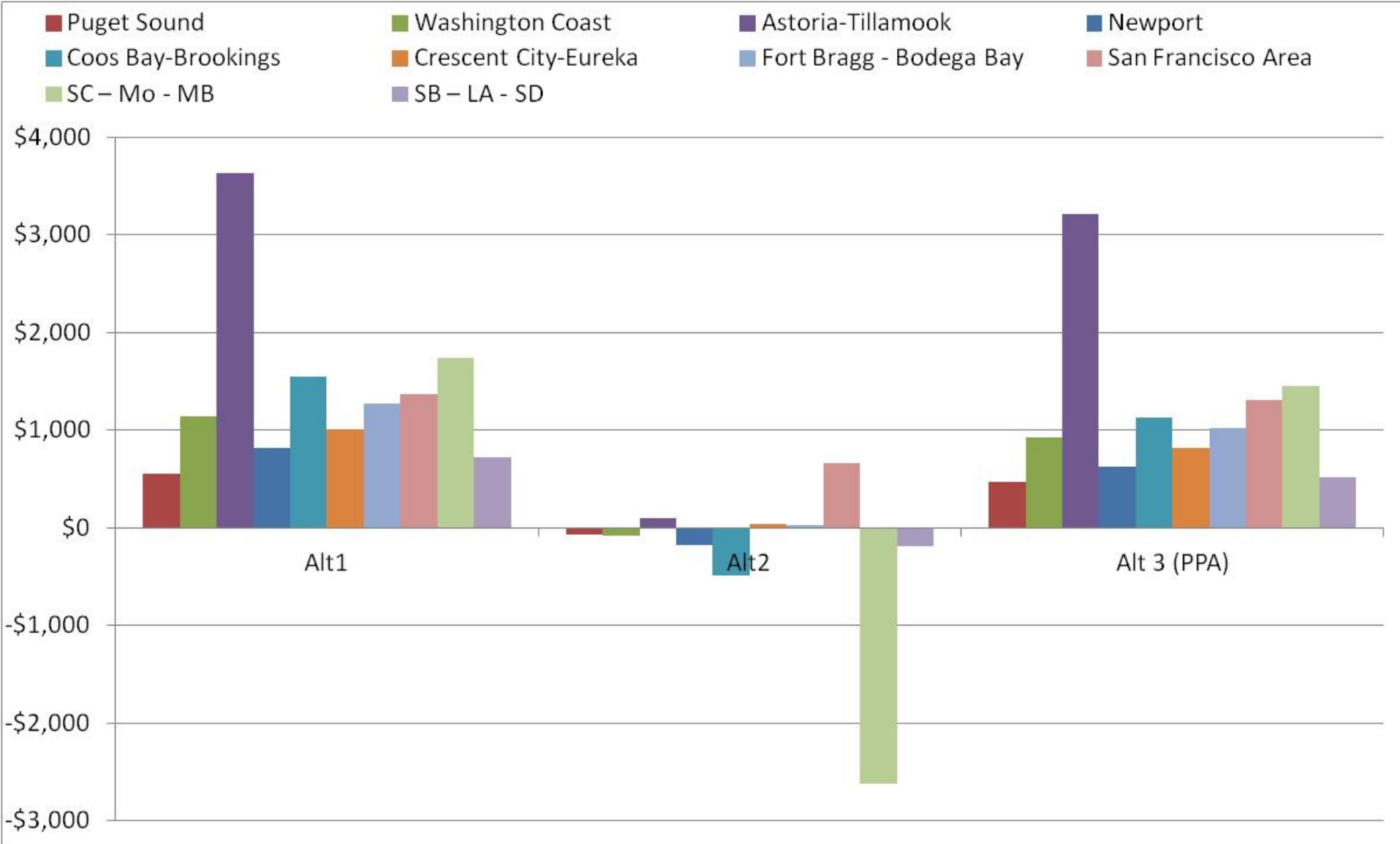
Sector	No Action	Alts 1-3:
Trawl	<ul style="list-style-type: none"> *Trip Limits *RCA 	Same as No Action
Non-Trawl - Commercial	<ul style="list-style-type: none"> *Trip limits *RCA 	Same as No Action
Non-Trawl – Recreational	<ul style="list-style-type: none"> *Season dates *Bag limits (e.g., non-retention) *Depth restrictions 	Same as No Action

Fishery Harvest Guidelines

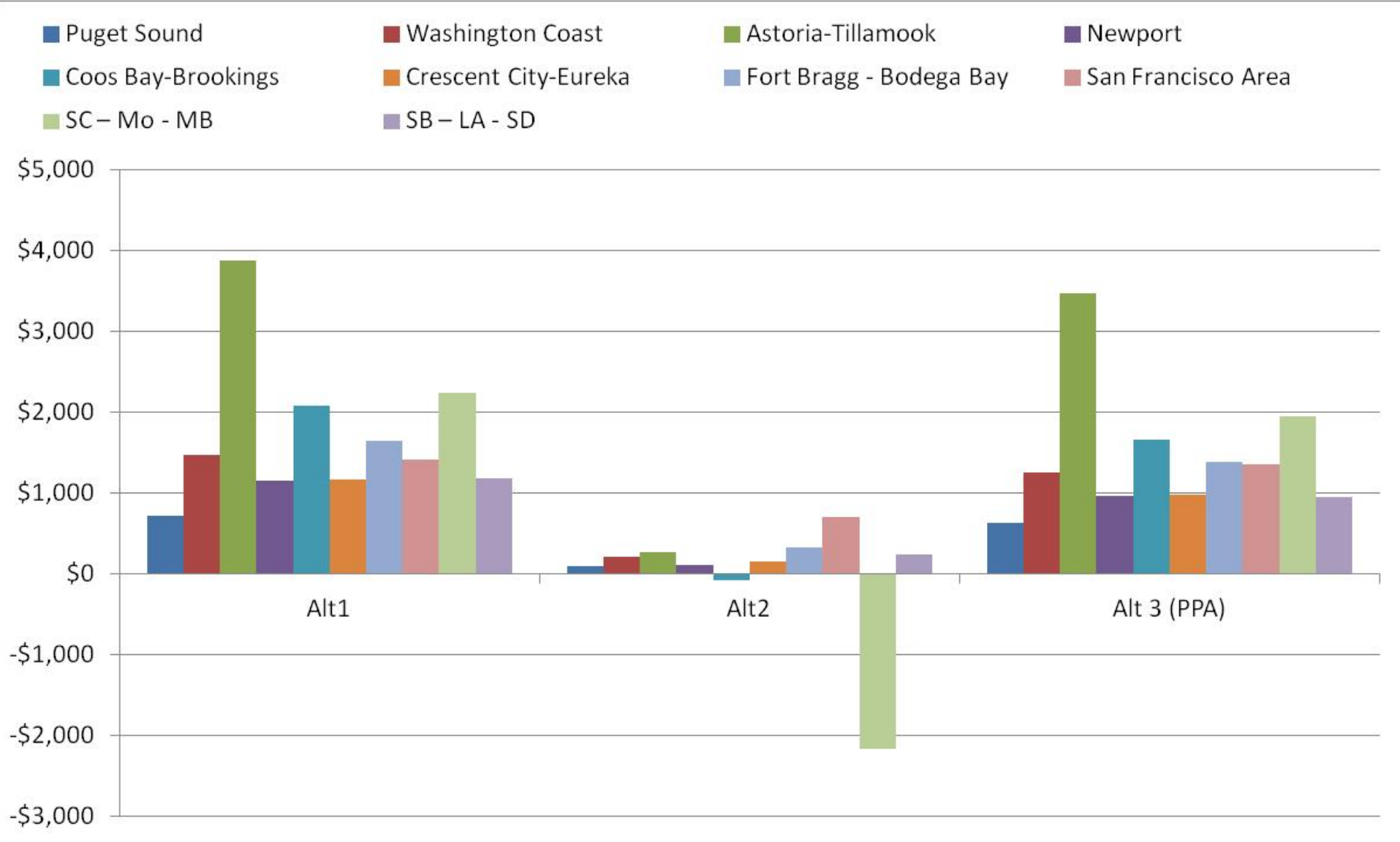
- Confirm or modify yield off the top deductions to accommodate mortality in Tribal, research, and non-groundfish fisheries (Agenda Item C.4.a, Attachment 2)
- Confirm or modify yield set-asides for the at-sea whiting sectors (off-the-top deductions from the LE Trawl allocations; Agenda Item C.4.a, Attachment 2)
 - Consider set-asides for rougheye and/or shortraker?
 - Consider set-asides for spiny dogfish?



Change in groundfish accounting net revenue impacts by shoreside commercial fishery sector from No Action under the 2015-16 alternatives (\$1,000).



Change in combined commercial plus recreational fishery income impacts (from No Action) by community group in **2015** (\$1,000), recreational management option 2.



Change in combined commercial plus recreational fishery income impacts (from No Action) by community group in **2016** (\$1,000), recreational management option 2.