Framework 48 Update

New England Fishery Management Council

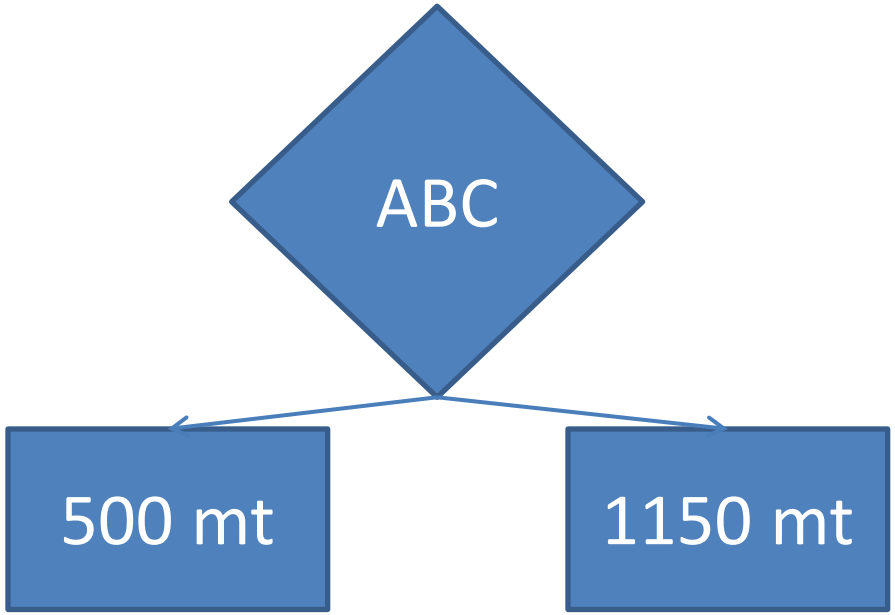
November 14, 2012

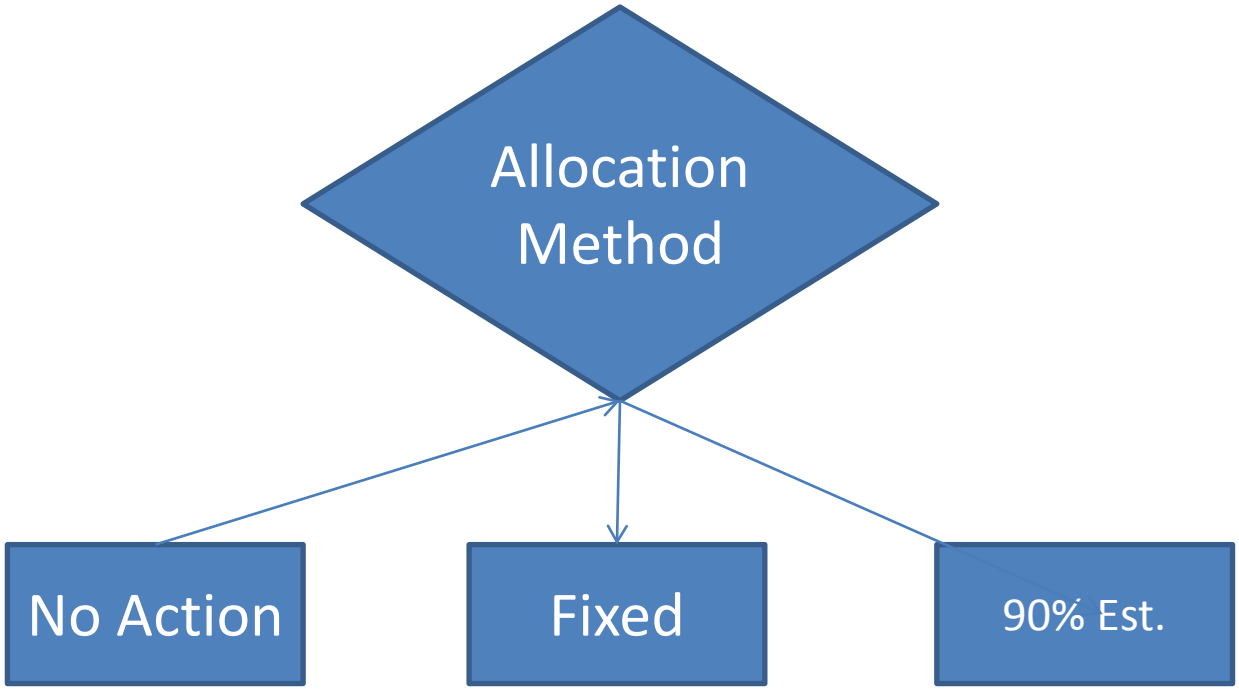
GB YTF Allocations to the Scallop Fishery

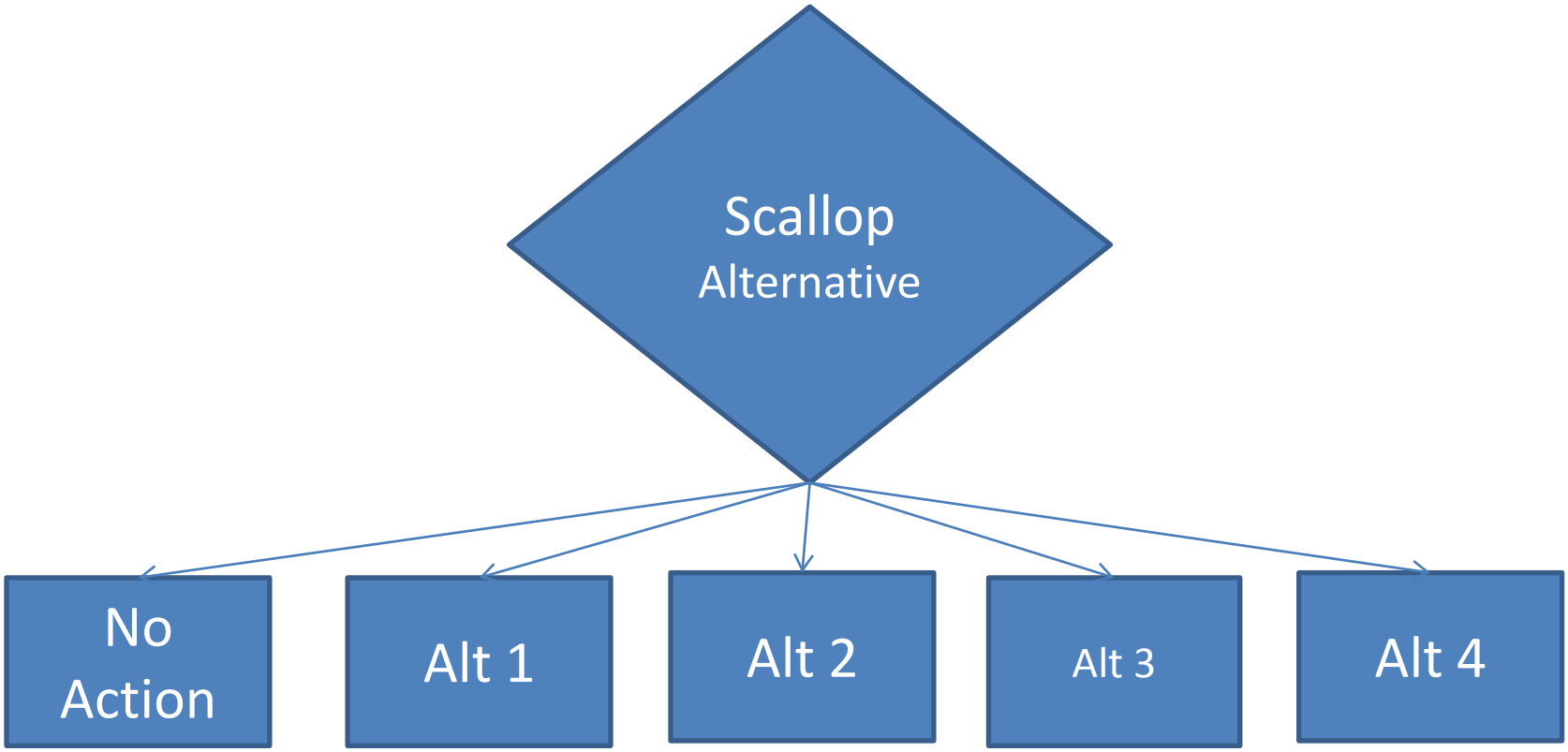
- Three inter-related decisions for the Council
  - GB YTF ABC
  - GB YTF allocation method
  - Scallop FW 24 management alternatives
- Additional decision
  - GB access area timing

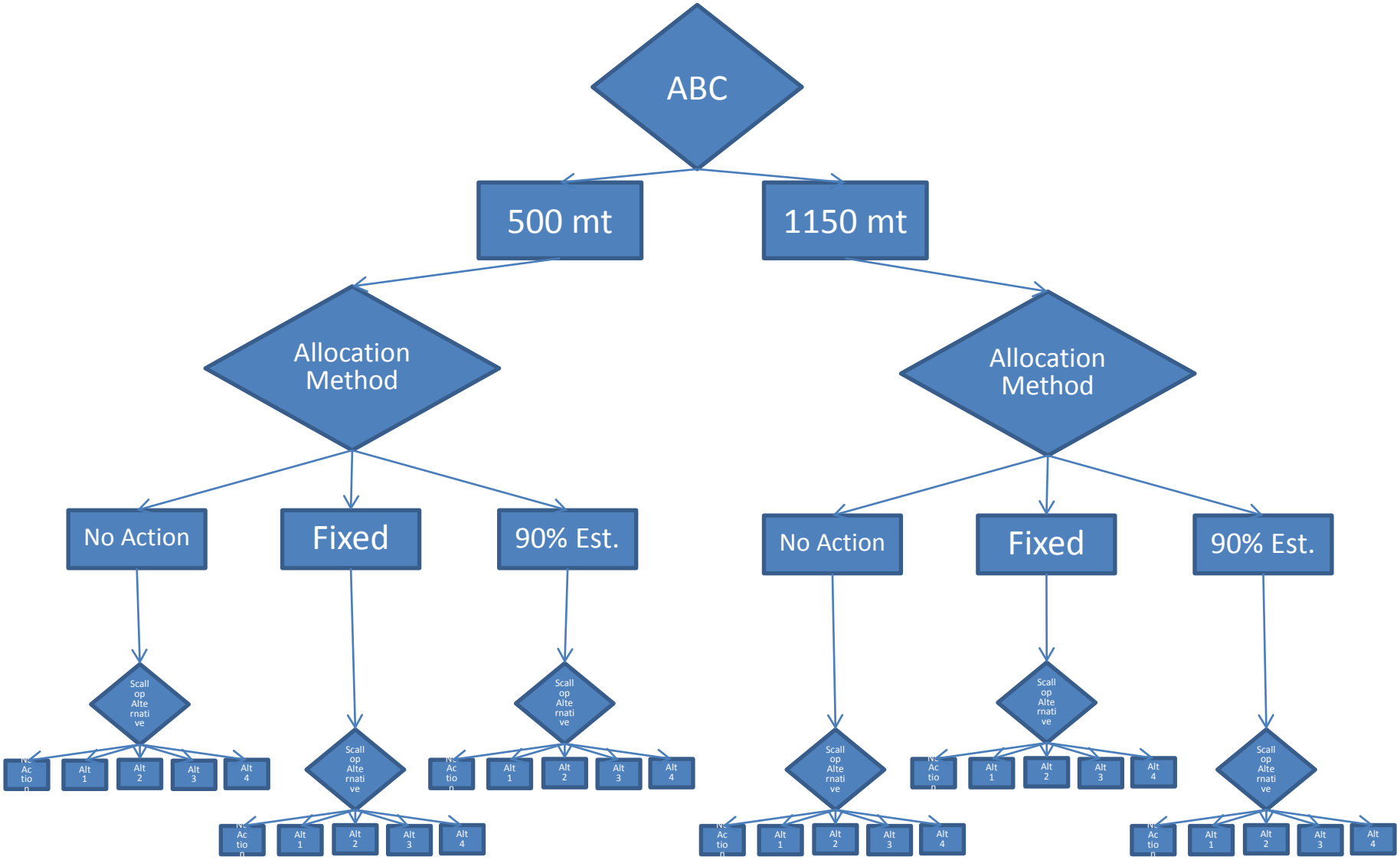

ABC
Allocation Method
Scallop Alternative


ABC
Scallop Alternative
Allocation Method


ABC
500 mt
1150 mt


Allocation Method
No Action
Fixed
90% Est.


Scallop
Alternative
No Action
Alt 1
Alt 2
Alt 3
Alt 4


ABC
500 mt
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No Action
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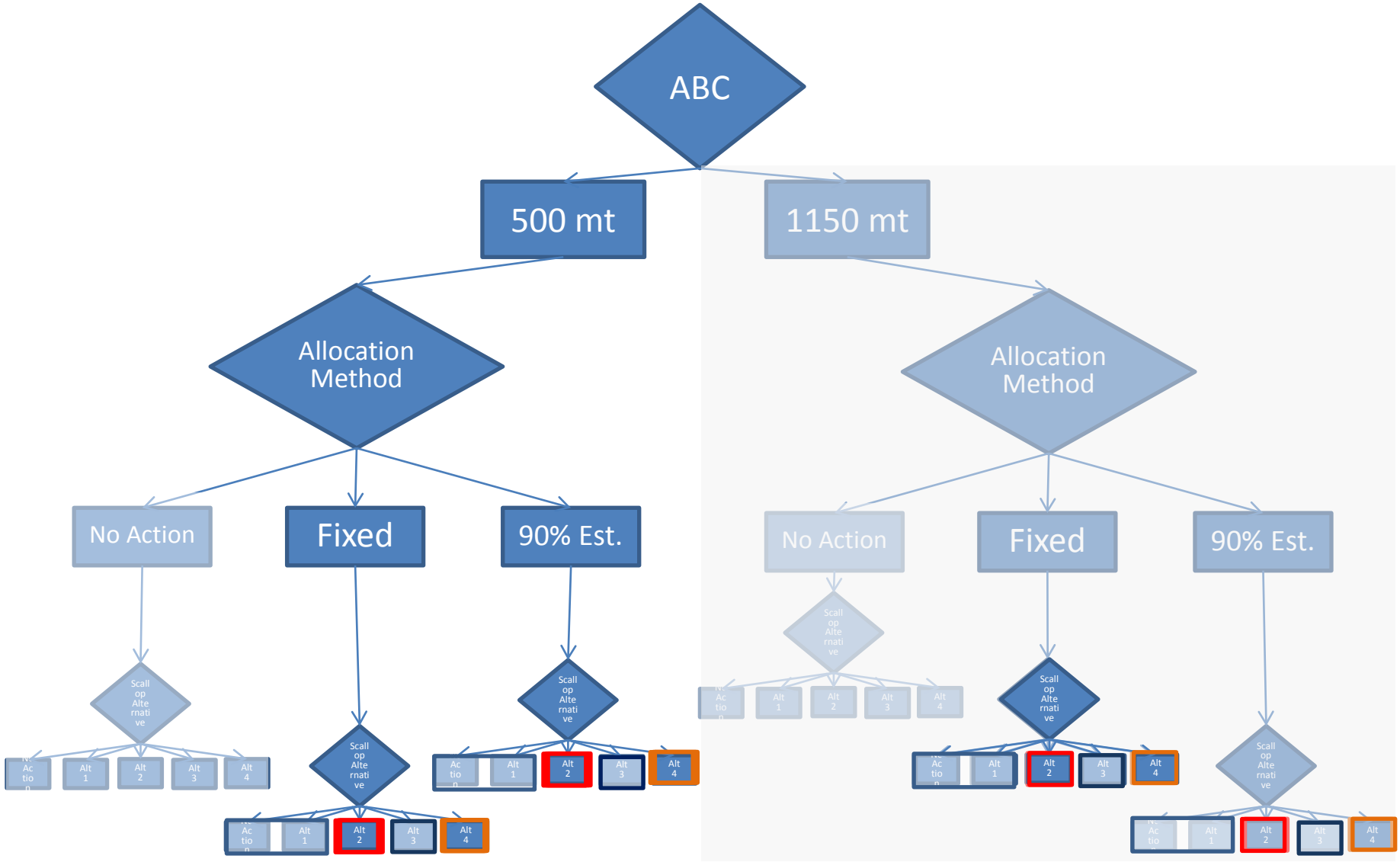
90% Est.
No Action
Fixed
90% Est.
Scall op Alternative
Alt 1
Alt 2
Alt 3
Alt 4


ABC
500 mt
1150 mt
Allocation Method
No Action
Fixed
90% Est.
Scall op Alte rnati ve
Alt 1
Alt 2
Alt 3
Alt 4

Fixed vs. 90%

Fixed

- Pros
  - Easy
  - Defined amount known in advance
- Cons
  - Ignores annual variation in fisheries
  - Is adjustment automatic?

90%

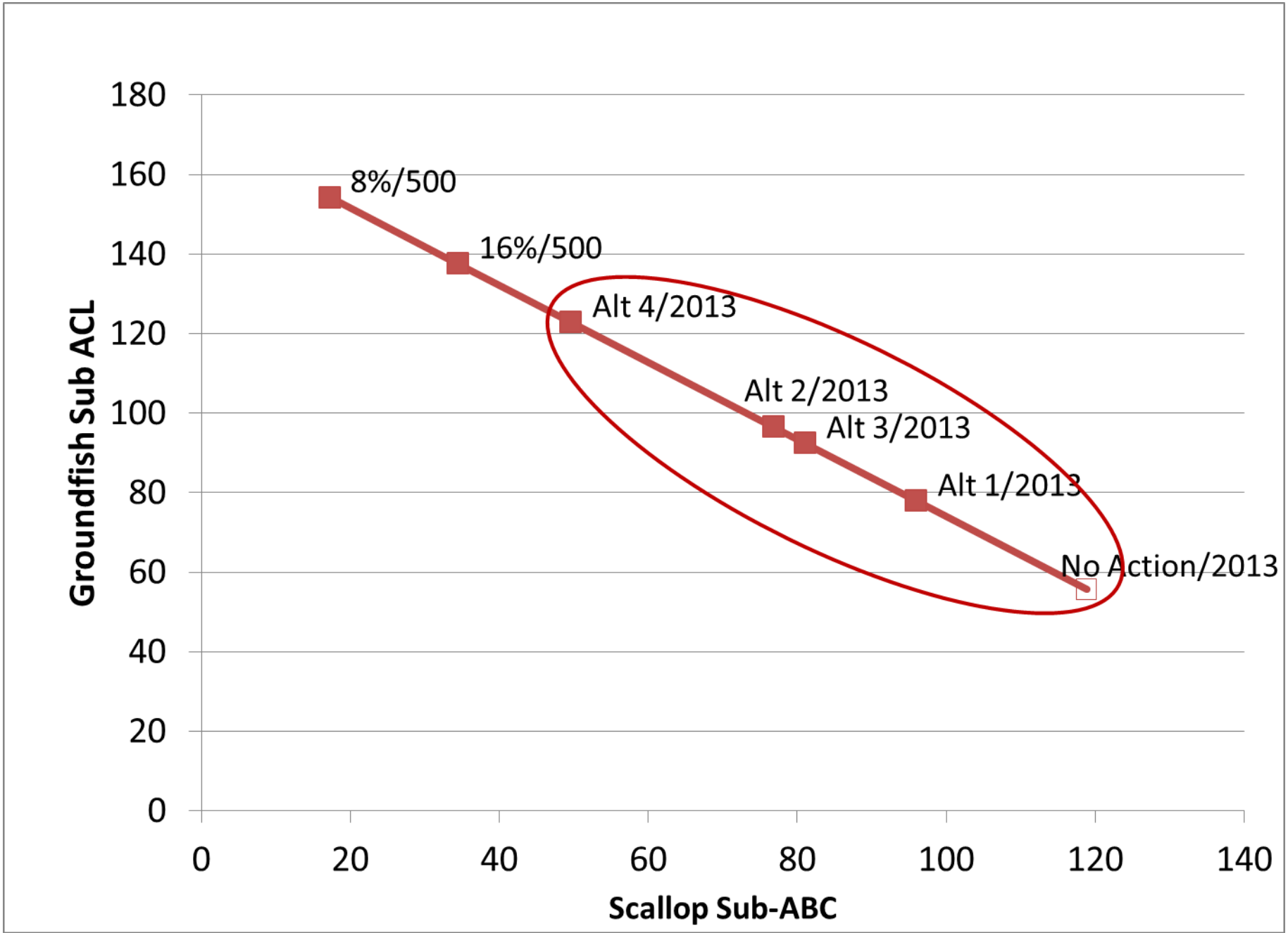
- Pros
  - Closer match to planned fishing activity
  - Automatic adjustment
- Cons
  - Complicated
  - Mixed prediction performance

GB Yellowtail Flounder

	Scallop FW 24 Management Alternative									
	No Action		Alt1		Alt2		Alt3		Alt4	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
Expected scallop fishery catch										
OLD	**222**	**318**	**175**	**202**	**134**	**210**	**145**	**173**	**73**	**97**
NEW	**132**	**186**	**106.6**	**123**	**85.3**	**127**	**90**	**108**	**55.1**	**71**
Scallop Sub-ABC at 90 percent of expected scallop fishery catch										
Old	**199.8**	**286.2**	**157.5**	**181.8**	**120.6**	**189**	**130.5**	**155.7**	**65.7**	**87.3**
NEW	**118.8**	**167.4**	**95.9**	**110.7**	**76.8**	**114.3**	**81**	**97.2**	**49.6**	**63.9**

SNEMA Yellowtail Flounder

	Scallop FW 24 Management Alternative									
	No Action		Alt1		Alt2		Alt3		Alt4	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
Expected scallop fishery catch										
OLD	**39**	**39**	**28**	**38**	**33**	**38**	**28**	**38**	**32**	**39**
NEW	**66**	**68**	**62**	**72**	**66**	**72**	**62**	**72**	**66**	**73**
Scallop Sub-ABC at 90 percent of expected scallop fishery catch										
OLD	**35.1**	**35.1**	**25.2**	**34.2**	**29.7**	**34.2**	**25.2**	**34.2**	**28.8**	**35.1**
NEW	**59.4**	**61.2**	**55.8**	**64.8**	**59.4**	**64.8**	**55.8**	**64.8**	**59.4**	**65.7**


180
160
140
120
100
80
60
40
20
0
Groundfish Sub ACL
0
20
40
60
80
100
120
140
Scallop Sub-ABC
8%/500
16%/500
Alt 4/2013
Alt 2/2013
Alt 3/2013
Alt 1/2013
No Action/2013

Groundfish Fishery Impacts

- Complicated by unknown GOM and GB cod TACs, low EGB cod US/CA TAC
- Analyzed for three GB YTF groundfish sub-ACLs:
  - 100 mt
  - 225 mt
  - 350 mt

Groundfish Fishery Impacts

- Gross revenues on groundfish trips will decline due to expected low cod quotas
- Gross revenues at mid-GB YTF value (225 mt) are 40 pct higher than at low value (100mt)
- At some point near the high value, GB and EGB cod become constraining and more GB YTF does not increase revenue

Scallop Fishery Impacts

- Fixed Percentage Options
  - Allocations well below expected catch
  - Analysis assumes alternative modified to reduce GB YTF bycatch
  - Likelihood that AM would be triggered
- 90% of Estimated Catch Option
  - Allocations closer to expected catch
  - Effects on 2014 due to AM

Fixed Percentage Options

Values	Scenario	2013	2014
Mod.	ALT2	CAII Closed	Closed (AM)
	ALT4	CAII Closed	Closed (AM)
Sub-ACL	8%	16.7	
	16%	33.4	
AM Trigger Potential	8%	High	High
	16%	Reduced risk but possible	Reduced risk but possible

Fixed Percentage Options

Total landings (mill.lb)	**ALT2**	**38.2**	**38.8**	**77.0**
	ALT4	36.2	38.0	74.2
Landings after closures (mill.lb)	ALT2	35.85	37.18	73.0
	ALT4	35.30	37.23	72.5
Present value of Scallop revenue	ALT2	382.0	373.6	755.5
	ALT4	362.8	366.0	728.8
PV of Revenue after closures	ALT2	358.4	357.4	715.7
	ALT4	353.8	358.5	712.3

90% Option

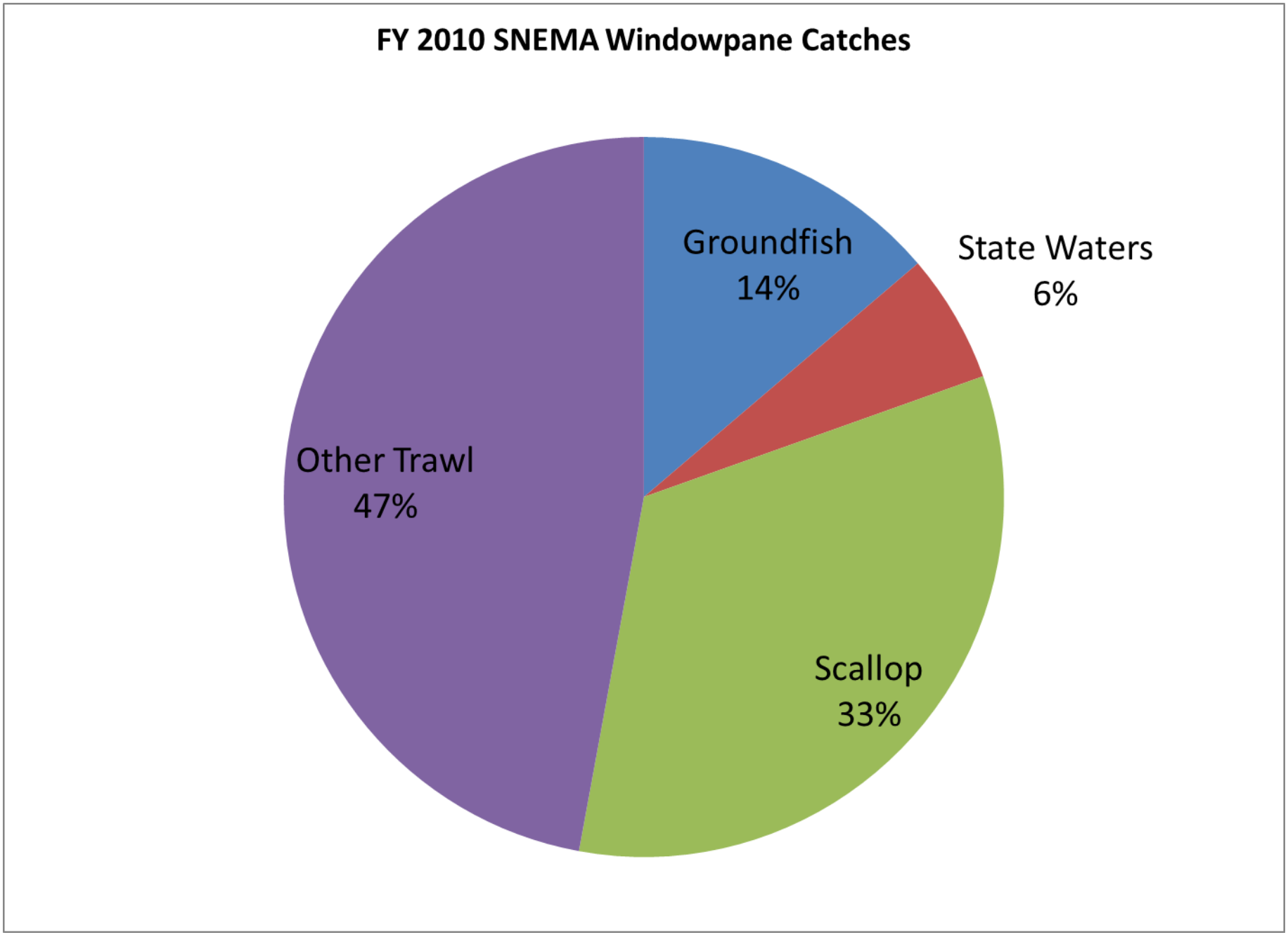
Values	Scenario	2014
Possible Impacts	ALT2	CAII closed (AM)
	ALT4	CAII closed (AM)
AM Trigger Potential	ALT2	Medium risk
	ALT4	Medium risk

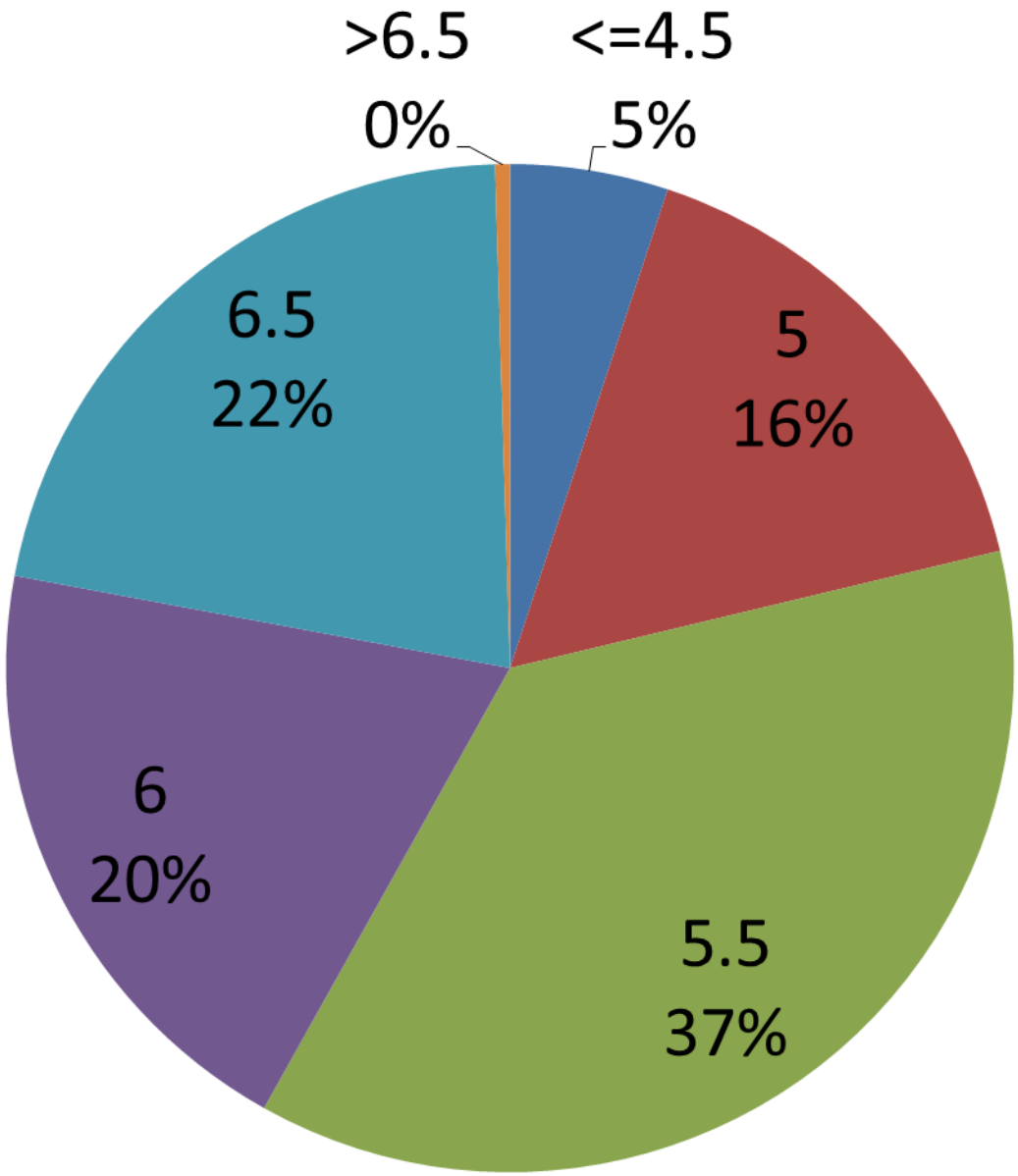
90% Option

Total landings (mill.lb)	**ALT2**	**38.8**
	ALT4	38.0
Decline in landings (mill.lb)	ALT2	1.635
	ALT4	0.756
Landings after closures (mill.lb)	ALT2	37.18
	ALT4	37.23
Present value of Scallop revenue	ALT2	373.6
	ALT4	366.0
PV of Revenue after closures	ALT2	357.4
	ALT4	358.5

YTF Groundfish Allocation Decisions

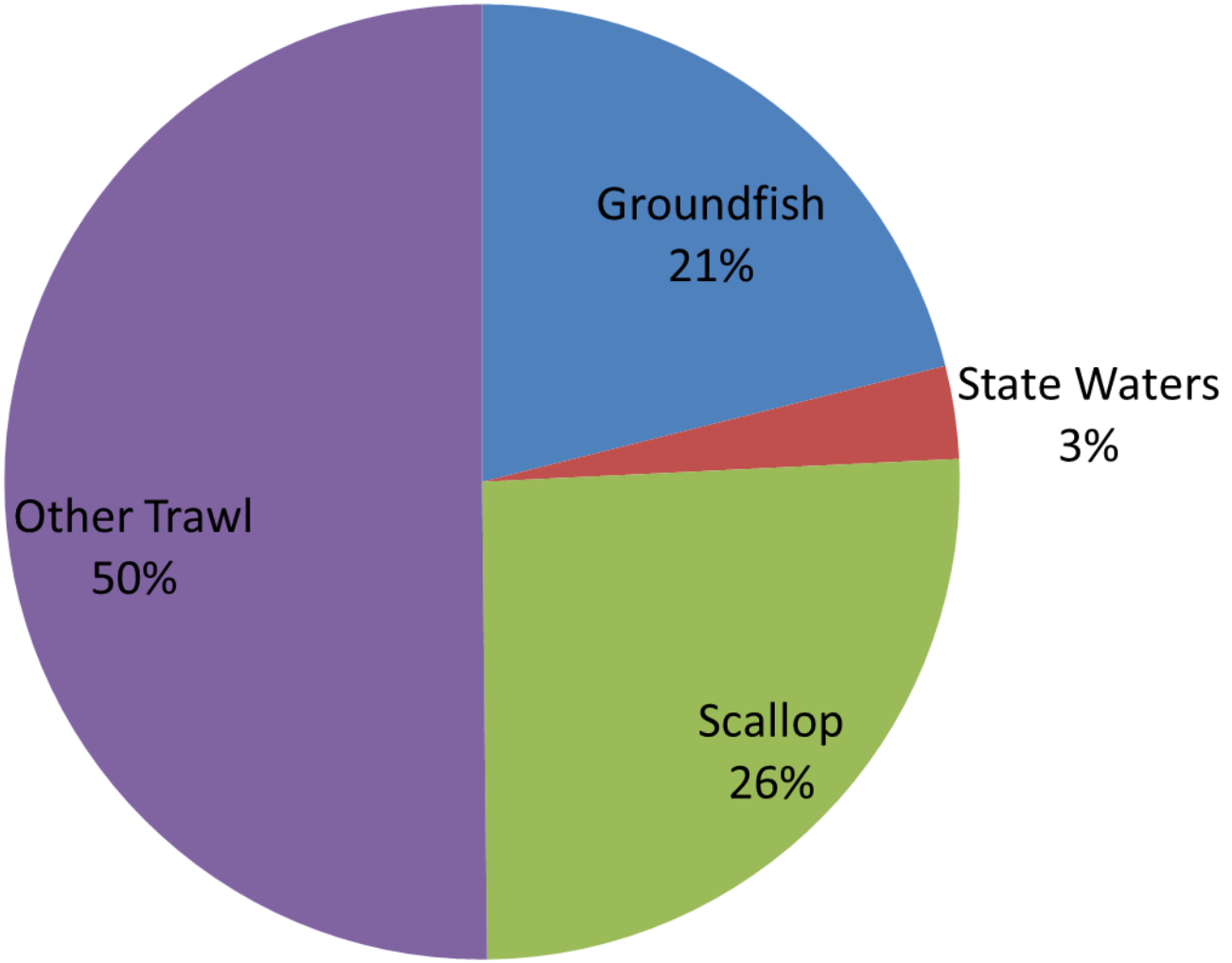
- US/CA TACs
- Scallop fishery GB YTF allocation method
- Scallop fishery SNEMA YTF allocation method
- Scallop fishery SNEMA WINP sub-ACL

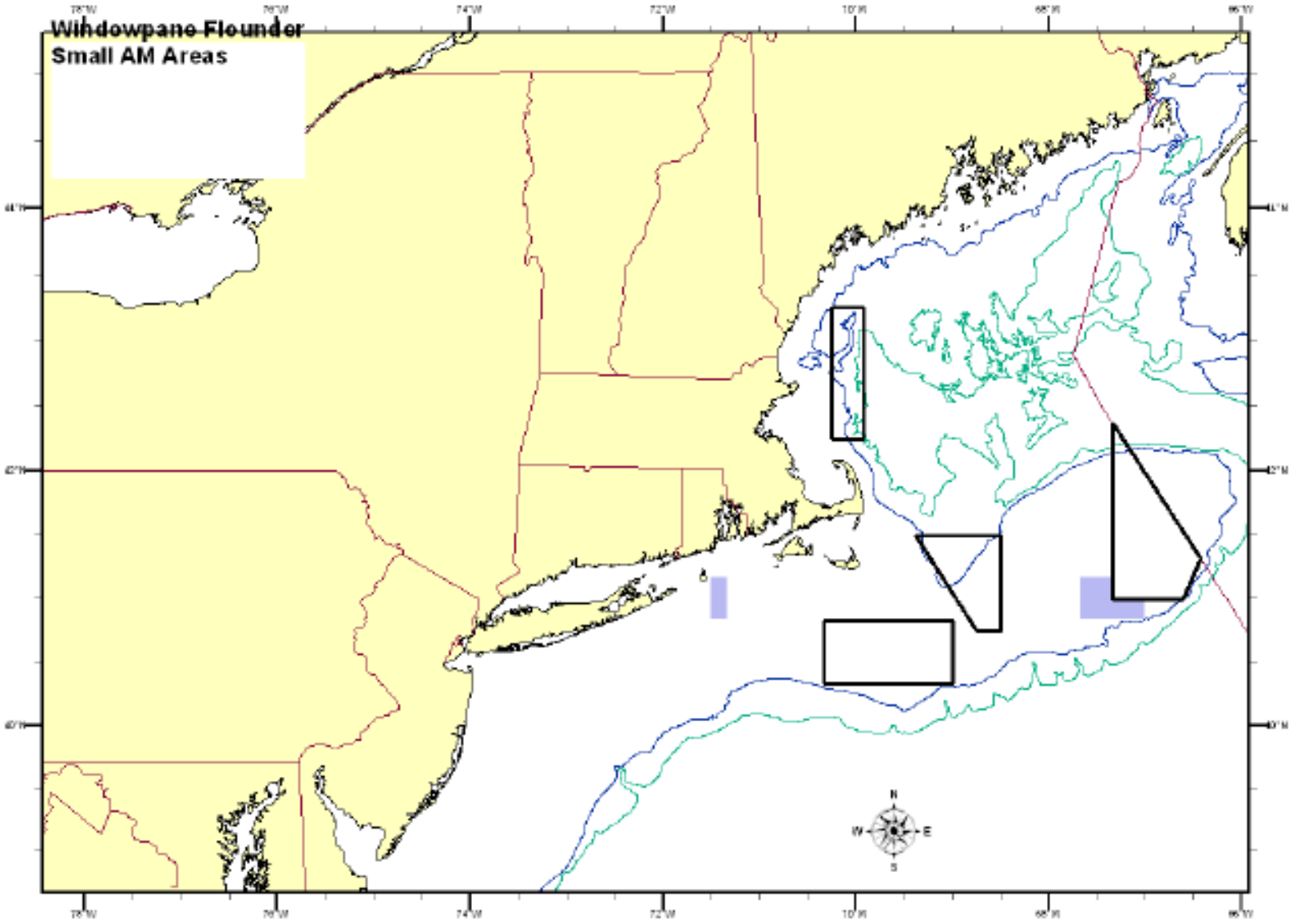

FY 2010 SNEMA Windowpane Catches
Groundfish
14%
State Waters
6%
Scallop
33%
Other Trawl
47%

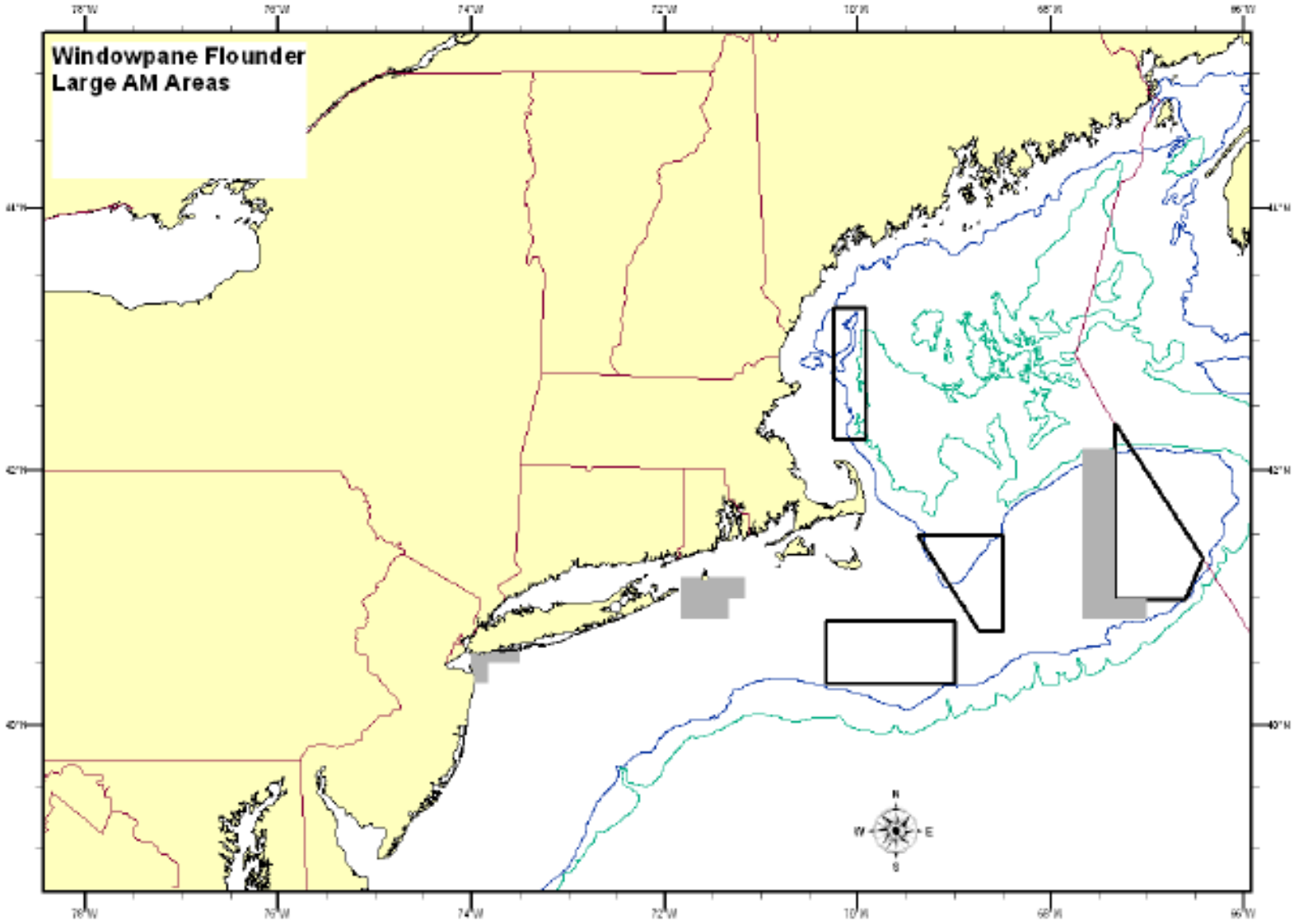


FY 2010 SNEMA Windowpane Catches by Trawl Mesh Size

FY 2011 SNE/MA Windowpane Flounder Catches




Windowpane Flounder
Small AM Areas
78°W
76°W
74°W
72°W
70°W
68°W
66°W
42°N
40°N
N
W
E
S


Windowpane Flounder
Large AM Areas
N
W
E
S

FW 48 Distro. Changes

Stock	State sub-component			Other sub-component		
	FW 44	FW 47	FW 48	FW 44	FW 47	FW 48
GB Yellowtail Flounder	0.00	0.00	0.00	0.05	**0.04**	***0.18***
CC/GOM Yellowtail Flounder	0.01	***0.03***	***0.06***	0.04	**0.02**	0.02
Plaice	0.01	0.01	***0.02***	0.04	0.04	**0.02**
Witch Flounder	0.01	***0.03***	0.03	0.04	0.04	***0.15***
GB Winter Flounder	0.00	0.00	0.00	0.05	0.05	**0.03**
Redfish	0.01	0.01	0.01	0.04	0.04	**0.02**
White Hake	0.01	***0.02***	**0.01**	0.04	***0.03***	**0.02**
Pollock	0.06	**0.05**	***0.06***	0.06	***0.09***	**0.07**
Northern Windowpane	0.01	0.01	0.01	0.29	**0.19**	***0.29***
Halibut	0.50	0.50	**0.40**	0.05	0.05	0.05

Rec AM

- Revised language coordinated with NERO
- (see measure text)

ASM Issues

- ASM coverage adequate to detect monitoring effects: not ready for prime time
- ASM option based on federal funding
- Reduced coverage on some trips
  - ELM sink gillnet in SNE
  - Bottom longline

Extra Large Mesh Gillnet Hauls | Summer FY 2011