

Standardized Bycatch Reporting Methodology (SBRM) Omnibus & Industry-Funded Observer Coverage Omnibus

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In common...

- NMFS lead
- Observer issues
- SBRM limits the industry-funding amendment
- Otherwise 2 different actions...

SBRM

- Standardized Bycatch Reporting Methodology “Take 2”
- Lawsuit driven
- Final result should be in line with Judge’s orders, but may not lead to “better” information. ☹️

SBRM

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SBRM

- Performance standard
- How to prioritize given insufficient funds to reach performance standard.

SBRM

- Performance standard

SBRM – Performance Standard

- CV = coefficient of variation
 - Uninformative
- CV can get you to a confidence interval...
 - Informative

SBRM – Performance Standard

- 100 fish with a **CV of 30%**
- 100 and I'm ~68% sure the real answer is between 70-130
- 100 and I'm ~95% sure the real answer is between 40-160

SBRM – Performance Standard

- Modes
- Species Groups

SBRM – Modes

Gear Type	Access Area (Open-Closed)	Trip Category (General/Limited)	Region	mesh groups
Longline	all	all	NE	all
Longline	all	all	MA	all
Otter Trawl	all	all	NE	small
Otter Trawl	all	all	NE	large
Otter Trawl	all	all	MA	small
Otter Trawl	all	all	MA	large

SBRM – Species Groups

CRAB	SCALLOP	MACK-/SQUID- /BUTTERFISH	MONKFISH	NE MULTI-SPP (LARGE-MESH)	NE MULTI-SPP (SMALL-MESH)	SKATE	DOGFISH	FLUKE/S BLU
*	*	*	0.335	0.910	0.614	0.654	*	
0.710	0.227	0.405	0.233	0.235	0.691	0.322	0.309	
0.350	0.572	0.088	0.101	0.182	0.175	0.245	0.319	
0.574	0.564	0.354	0.236	0.508	0.333	0.267	0.286	

Note...

- Groups - Combined discards of Atl. mackerel, squids, and butterfish in each mode
 - Accuracy of total butterfish discards across all modes...

Note...

- Only Federally-managed species!
- River herrings and shads...
- Estimated but not used in prioritization.

SBRM

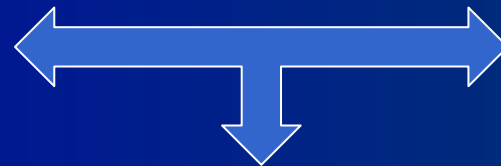
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SBRM

- How to prioritize given insufficient funds to reach performance standard.

How to Use Available \$

- Can't meet performance standard.
- First "filter" then "prioritize"



Triage

(in a standard way)

How to Use Available \$

- Filter – Get rid of observer drivers that...
 - don't contribute much to total discards
 - there's not much mortality from discarding

How to Use Available \$

- “Prioritize”
 - Still too many observer days needed even after filtering...
 - Use available \$ to get as many relevant mode/species combos to 30%...

How to Use Available \$

- If getting one mode/species box would take 1000 seadays and 10 others would take 100 days each, go for the 10
- Standardized, but not necessarily addressing management priorities...

How to Use Available \$

- Some additional minimum pilot coverage provisions

Leaving SBRM, Entering IFOCO

Industry Funded Observing Omnibus

- Doesn't solve core problems ☹️
 - High cost of observers
 - Insufficient funding
 - SBRM's inflexibility
 - NOAA interpretation Anti-deficiency Act, Misc. Receipts Act

Industry Funded Observing Omnibus

- Delineates what aspects NMFS + industry would have to pay in an industry-funded observer program.
 - Probably ~ \$400+\$800
- Provider requirements

Industry Funded Observing Omnibus

- If money appears for NMFS portion of industry-funded programs, includes way to prioritize among those programs

Prioritization

- NMFS-led or Council-led “policy analysis” based process
 - Legalities, plan objectives, risk, other criteria

“Prioritization”

1) Cut all equally. Overall 80%,
each program gets 80%

 2) Drop most expensive

3) Use ratio of needed seadays
to recent fishing activity (VTR
days)

2 Specific Programs

- Herring & Mackerel
- Range of coverage levels
- No funding for NMFS portion at least initially

2 Specific Programs

- Probably zero impact initially
 - Maybe \$ someday
- Only way to ensure particular coverage level = ground fleet except when observer \$ is available (maybe 95% of trips).

Questions?