



Biological Sampling Priority Matrix

Created in January 2015
For FY2016

*Our vision is to be the principal source of fisheries-dependent information
on the Atlantic coast through the cooperation of all program partners.*

Biological Review Panel recommends:



- Species in the upper 25% of the priority matrix be considered for funding.
- Sampling projects which cover multiple species within the upper 25% are highly recommended.

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Biological Review Panel recommendations based on matrix*:

* UPPER 25% OF MATRIX

New species	Fishery	Most	Current/	Council	ASMFC	State	NMFS	Fishery	Sig. change	Sig. change	Adequacy	Stock	# sampling	Seasonality	TOTAL
	Status	Recent	Next	Priority	Priority	Priority	Priority	Managed	in landings	in mgmt	of level of	Resilience	strata	of fishery	
		Stock	Stock						w/in 24 mo	w/in 24 mo	sampling				
	K: known	Assessment	Assessment	0=NA	0=NA	0=NA	0=NA	0 = No	1= <25%	0= None	0=Over-	1 = resilient	1= <20	1= >9 mo	
	U: unkn	(Year)	(Year)	1=low	1=low	1=low	1=low	1 = Yes	3= 25-75%	1=Minor	sampling,	5 = vulnerable	3= 20-75	3= 1-9 mo	
	K/U: partly known			5=high	5=high	5=high	5=high		5= >75%	5= Signif	5= none		5= >75	5= <1 mo	
Species															
Red Snapper <i>Lutjanus campechanus</i>				5	0.5	5.0	1	5	5	2	5	3	5	36.50	
Black Sea Bass (1) <i>Centropristis striata</i>	K/U	2013	2016	5	5	3.6	5.0	1	1	3	3	3	5	1	35.57
Snowy Grouper <i>Epinephelus niveatus</i>	K	2013		5	0	1.3	5.0	1	1	3	4	5	3	3	31.29
Gray Triggerfish <i>Balistes capriscus</i>	K/U	2013		5	0	1.1	4.0	1	5	3	4	2	3	3	31.07
Blueline Tilefish <i>Caulolatilus microps</i>	U	2013		5	0	1.0	4.0	1	3	4	4	3	3	3	31.00
Tilefish (1) <i>Lopholatilus chamaeleonticeps</i>	K	2014	Unknown	4	0	1.8	4.0	1	1	5	4	4	3	3	30.79
Winter Flounder <i>Pleuronectes americanus</i>	K	2012	2016	5	3	2.4	5.0	1	1	4	2	3	3	1	30.43
River Herring <i>Alosa</i>	U	2012	2017	0	2	3.2	0.0	1	3	4	4	4	3	5	29.21
Atlantic Menhaden <i>Brevoortia tyrannus</i>	K	2014			5	1.6	3.0	1	3	5	2	3	3	1	27.64
Red Drum <i>Sciaenops ocellatus</i>	K/U	2009	2015	1	5	1.9	1.0	1	5	0	3	3	3	3	26.93
Yellowfin Tuna <i>Thunnus albacares</i>	K	2011	2016	0	0	1.4	5.0	1	3	5	2	1	5	3	26.43
Red Grouper <i>Epinephelus morio</i>	K/U	2013		4	0	0.9	4.0	1	1	3	4	4	3	1	25.93
American Lobster <i>Homarus americanus</i>	K	2009	2015	0	5	2.6	3.0	1	1	3	3	3	3	1	25.57
Hogfish <i>Lachnolaimus maximus</i>	U	2004		4	0	0.6	3.0	1	1	5	4	3	3	1	25.57
Spiny Dogfish <i>Squalus acanthias</i>	K	2010	2015 Update	3	3	2.6	3.0	1	1	1	2	5	3	1	25.57
Shad <i>Alosa sapidissima/mediocris</i>	U	2007		0	2	4.1	0.0	1	3	0	4	5	3	3	25.14
Scamp <i>Mycteroperca phenax</i>	K/U			4	0	0.9	3.0	1	1	3	4	4	3	1	24.93
Tautog <i>Tautoga onitis</i>	K/U	2014		0	4	2.9	0.0	1	1	4	4	4	3	1	24.86
Winter Skate <i>Raja ocellata</i>	K	2006	2016	4	0	0.9	3.0	1	3	1	3	5	3	1	24.86
N. Short-fin Squid <i>Illex illecebrosus</i>	U	2006	2015 Update	3	0	0.8	3.0	1	3	1	4	3	3	3	24.79

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Bio-sampling Priority Matrix



		Biological Sampling Adequacy	
		Adequate (0 - 2)	Inadequate (3 - 5)
Averaged Priority Columns	High (≥ 3.0)	Red Snapper - Winter Flounder - Atlantic Menhaden	Black Sea Bass
	Low (< 3.0)	Spiny Dogfish - Yellowfin Tuna	Snowy Grouper - Shad - Winter Skate - Blueline Tilefish - Gray Triggerfish - River Herring - Red Grouper - Tilefish - American Lobster - Red Drum - Hogfish - Scamp - Tautog - N. Shortfin Squid

Grouping of species in upper 25% of total matrix score, based on sampling adequacy and average priority (average of ASMFC, Council, NMFS and State priorities).

- Spiny dogfish and yellowfin tuna are being sampled adequately and have low priority so additional sampling is not needed.
- Projects that target multiple upper quartile species should be given a higher priority.

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