

Framework Adjustment 51

to the

Northeast Multispecies FMP

Appendix III

**Calculation of Northeast Multispecies Annual Catch Limits,
FY 2014 – FY 2016**

This appendix documents the calculation of Northeast Multispecies Overfishing Levels (OFLs), Acceptable Biological Catches (ABCs), and Annual Catch Limits (ACLs) for FY 2014 - FY 2016. The general approach for all stocks is to first determine the OFL and then determine the ABC. The ABC in all cases is consistent with the recommendations of the SSC. The ABC is distributed to various components of the fishery, and then an adjustment is made to these “sub-ABCs” to determine the ACLs, sub-ACLs, or other sub-components. The descriptions in this section are only accurate if the preferred alternative specifications are adopted.

For this action, the preferred alternative lists specifications for white hake for FY 2014- FY 2016 and Georges Bank yellowtail flounder for FY 2014. In addition, TACs for Eastern Georges Bank haddock and Eastern George Bank cod are specified.

This appendix also documents and clarifies how available catches are distributed to the sub-components of the fishery. These are listed for all stocks (even those where specifications are determined only for FY 2014) in order to keep a clear record of the distribution. Amendment 16 authorized changes to be made in a framework action, although no changes are being proposed in this action.

Determining OFL and ABC

Stocks with Age-Based Assessments and Projections

Catch levels (including OFLs, ABCs, and ACLs) for the following stocks are based on age-based projections. For these stocks the projections were performed using the Northeast Fisheries Science Center’s (NEFSC) AGEPRO projection model. The projections are based on the most recent benchmark or operational assessment for each stock, as shown in the list:

White hake	(SARC 56)
GB yellowtail flounder	(TRAC 2013)

There are a number of assumptions that must be made to complete the projections. All of these assumptions are potential sources of error. The assumptions for recruitment, selectivity, and weights-at-age that were used were those recommended by the assessment review panels.

Since the first year for ACLs based on these projections is 2014, an additional assumption must be made in the projections for the years between the terminal year and 2014. An estimate of catch developed by the Plan Development Team (PDT) was input into the projection model. The values may differ from realized catches and introduce uncertainty into the results. The catch assumptions for these projections are provided in Table 1.

When calculating the OFL in future years, F_{MSY} is used as the fishing mortality in the projection. When calculating the ABC, either 75% of F_{MSY} or $F_{rebuild}$ is used (whichever is

lower). This is consistent with the ABC control rules recommended by the Science and Statistical Committee (SSC) and adopted in Amendment 16. Specific mortality targets used for the ABC projections are provided in Table 2.

Recent experience and analyses by the PDT have demonstrated that projections are often optimistic. This means that future stock growth is projected to be higher than what is realized, and as a result catches less than the ACLs have frequently led to overfishing. For this reason, in many cases the ABCs that were recommended by the SSC are lower than the projection output in order to take into account this additional uncertainty. For white hake, the ABC in FY 2014 is based on the projection output at the target fishing mortality, and then this ABC is used for FY 2015 and FY 2016 as well. This means that effectively the target fishing mortality is lower for FY 2015 and FY 2016. Specific deviations from the projection output are identified below. Projection output used for setting ABCs is in Appendix IV.

a. White Hake: The ABC for FY 2014 - 2016 is based the 2014 catch at 75% of F_{MSY} .

c. GB yellowtail flounder: The PDT did not make a specific recommendation for ABC or OFL for GB yellowtail flounder, expect to repeat the TRAC's finding that catches should be below 500 mt. The SSC recommended that the ABC for GB yellowtail flounder for FY 2014 should not exceed 500mt, and that catch should be reduced as much as practicable. The OFL for Georges Bank yellowtail flounder remains unknown. After reviewing the SSC recommendation, the Council set the ABC for FY 2014 at 400 mt.

Distribution of ABCs

Because the Council wants the ability to consider a different adjustment for management uncertainty for different components of the fishery, ABCs were first distributed to the components prior to applying this adjustment. A brief description of the components follows. Note that there are a few stock-specific instances (described in a later section) that may differ from this general overview.

ABC: Acceptable Biological Catch for the entire stock.

Canadian Share/Allowance: An amount from the stock that Canadian vessels are expected to harvest. For GB cod, GB haddock, and GB yellowtail flounder, this is based on the Canadian allocation under the TMGC (but see the GB yellowtail flounder discussion below).

U.S. ABC: That portion of the ABC available to U.S. fishermen after accounting for Canadian harvests.

State waters: Portion of the U.S. ABC expected to be harvested from state waters, outside of the federal management plan. This is not an allocation.

Other sub-components: Portion of the U.S. ABC expected to be harvested by unidentified non-groundfish fishery components. These are not attributed to specific components because individual amounts are small. This action clarifies that in cases where there is no specific recreational allocation, unless otherwise specified recreational catches are counted against this sub-component. There are a few stocks where this may not be the case, such as when the majority of recreational catches are from state waters and the recreational catch is considered part of the state waters sub-component. These instances will be specifically identified.

Scallops: Portion of U.S. ABC allocated to that fishery.

Groundfish: Portion of the U.S. ABC available to the groundfish fishery (including recreational and commercial vessels if there is a specific allocation). This ABC has several sub-components:

Commercial: Portion of the U.S. ABC available to commercial vessels; this is further sub-divided into sector and common-pool portions.

Recreational: Portion of the U.S. ABC available to recreational vessels, when a specific allocation is made

MWT: Portion of the ABC available to herring mid-water trawl vessels. Currently only applies to the two haddock stocks.

Small-Mesh Fisheries: Portion of the U.S. ABC of GB yellowtail flounder for small-mesh fisheries

Amendment 16 provides that the distribution to various sub-components can be modified in a framework or specification action. These adjustments are often made as more experience is gained with the ACL system adopted by Amendment 16. Changes can also be required if there are large changes in ABCs, particularly because the sub-components of the fishery are not subject to specific catch controls by the FMP and a specific percentage allocation has not been defined. This is the case for state waters and other – sub-component catches. Unlike the case when a specific allocation has been specified, the PDT estimates the expected catch from these two components and then compares that amount to the ABC to determine the percentage that should be set aside to account for these catches. Table 6 summarizes the state waters and other sub-component distribution for recent years and the distribution that would result from the Preferred Alternative.

Tab 3 summarizes the distribution of the U.S. ABC to the various components of the fishery, while Table 4 provides the resulting ABCs. Details on the distribution of specific stocks are provided below. Changes are the result of FY 2011 – FY 2012 catches and are intended to more closely align allocations with recent experiences. It is expected that

these values may be changed in future actions as more experience with the ACL system is gained.

- a. White Hake: No changes from previous years.
- b. GB yellowtail flounder: There is no state waters component because the stock area does not include state waters. No changes from previous years.
- c. GB cod: Under the terms of the U.S./Canada Resource Sharing Understanding, a portion of this stock is allocated to Canada. Because this allocation is determined annually, it is only specified for FY 2014. Future values will be adopted based on future TMGC advice.
- d. GB haddock: Under the terms of the U.S./Canada Resource Sharing Understanding, a portion of this stock is allocated to Canada. Because this allocation is determined annually, it is only specified for FY 2014. Future values will be adopted based on future TMGC advice.

ACLs

After the ABCs are distributed to the various components, they are adjusted for management uncertainty if the catches will be subject to an ACL and corresponding AMs. An uncertainty buffer is not generally applied to state waters catches that are outside the jurisdiction of the FMP. As discussed in Appendix II of FW 44, elements of management uncertainty are taken into account that reduces the ABC to the ACL. The FW 44 the default sets the ACL at 95 percent of the ABC. For stocks with less management uncertainty the ACL was set at 97 percent of the ABC; for stocks with more uncertainty it was set at 93 percent of the ACL.

When first adopted, most groundfish stocks and components used a buffer of 5 percent. GB yellowtail flounder used a buffer of 3 percent and SNE/MA winter flounder used a buffer of 7 percent. The 3 percent buffer was originally adopted for GB yellowtail flounder because there are no state waters catches, observer coverage in the US/CA area had been high (reducing uncertainty about discards), and there are in-season measures that can be adjusted to reduce the probability that the overall ACL is exceeded. A 7 percent buffer is used for other stocks that are discarded (windowpane flounder, ocean pout, wolffish) and for recreational catches of GOM haddock and cod. This increased buffer is because of the increased uncertainty in estimating catches of these stocks, which are almost entirely composed of discards. For reference, a summary of recent adjustments are shown in Table 5. However, no adjustments to the management uncertainty buffers are being proposed in this Action.

Incidental Catch TACs

Part of the commercial non-sector ACL is allocated to the incidental catch TACs that limit catches of stocks of concern in the Category B (regular) DAS program and certain SAPs. Table 7 and Table 8 are reproduced from Amendment 16.

An incidental catch TAC is specified for American plaice even though GARM III determined this stock was not overfished and overfishing was not occurring. This was done for several reasons. First, stock size barely exceeds the minimum biomass threshold and is at 51% of B_{MSY} , and has not completed stock rebuilding. Given uncertainty in the assessment it was considered prudent to continue to control catches until certain that rebuilding is on track. Second, plaice is often caught with witch flounder, an overfished stock, and allowing vessels to target plaice in these programs would likely lead to excessive catches of witch flounder.

Incidental catch TACs are no longer specified for pollock, GB winter flounder, and SNE/MA yellowtail flounder because these stocks are rebuilt.

Table 1 – 2012 and 2013 catch assumption used in age-based projections for stocks with recent age-based analytic assessments.

Stock	2012 Catch	2013 Catch
GB Yellowtail	N/A	N/A
White Hake	2,900	2,594

Table 2 – Mortality targets used to calculate ABCs, FY 2014 – 2016 for white hake and FY 2014 for GB yellowtail flounder.

Species	Stock	Basis for Target Fishing Mortality	Targeted Fishing Mortality or Exploitation	F_{msy}
Yellowtail Flounder	GB	See text	N/A	N/A
White Hake	GB/GOM	75% F _{MSY}	0.15	0.2

Tab 3 – Distribution of ABC to fishery components. Sector PSCs are preliminary and may change based on final sector rosters.

(1) Includes commercial ABC in state waters and other subcomponents

Stock	Year	OFL	ABC	Canadian Share/Allowance	U.S. ABC	Percent of ABC								
						State Waters	Other sub-	Scallops	Groundfish	Comm Groundfish	Rec Groundfish	Sector PSC	MWT or Small-	
GB Cod	2014	3,570	2,506	546	1,960	0.01	0.04		0.95	0.95		0.9827342094		
	2015	4,191	2,506		2,506	0.01	0.04		0.95	0.95		0.9827342094		
	2016					0.01	0.04		0.95	0.95		0.9827342094		
GOM Cod	2014	1,917	1,550		1,550	0.10	0.05		na	0.663	0.337	0.9779780045		
	2015	2,639	1,550		1,550	0.10	0.05		na	0.663	0.337	0.9779780045		
	2016					0.10	0.05		na	0.663	0.337	0.9779780045		
GB Haddock	2014	46,268	35,699	16,470	19,229	0.01	0.04		0.940	0.94		0.9967654507	0.01	
	2015	56,293	43,606		43,606	0.01	0.04		0.940	0.94		0.9967654507	0.01	
	2016					0.01	0.04		0.940	0.94		0.9967654507	0.01	
GOM Haddock	2014	440	341		341	0.02	0.03		0.94	0.725	0.275	0.9914926367	0.01	
	2015	561	435		435	0.02	0.03		0.94	0.725	0.275	0.9914926367	0.01	
	2016					0.02	0.03		0.94	0.725	0.275	0.9914926367	0.01	
GB Yellowtail Flounder	2014	unknown	400	72	328		0.02	0.160	0.800	0.80		0.9880140673	0.02	
	2015							0.02	0.160	0.800	0.80		0.9880140673	0.02
	2016							0.02	0.160	0.800	0.80		0.9880140673	0.02
SNE/MA Yellowtail Floun	2014	1,042	700		700	0.01	0.04	0.102	0.848	0.85		0.8323330148		
	2015	1,056	700		700	0.01	0.04	0.099	0.851	0.85		0.8323330148		
	2016					0.01	0.04		0.950	0.95		0.8323330148		
CC/GOM Yellowtail Flour	2014	936	548		548	0.06	0.02		0.92	0.92		0.9720201784		
	2015	1,194	548		548	0.06	0.02		0.92	0.92		0.9720201784		
	2016					0.06	0.02		0.92	0.92		0.9720201784		
American Plaice	2014	1,981	1,515		1,515	0.02	0.02		0.96	0.96		0.9824653524		
	2015	2,021	1,544		1,544	0.02	0.02		0.96	0.96		0.9824653524		
	2016					0.02	0.02		0.96	0.96		0.9824653524		
Witch Flounder	2014	1,512	783		783	0.03	0.15		0.82	0.82		0.9825249396		
	2015	1,846	783		783	0.03	0.15		0.82	0.82		0.9825249396		
	2016					0.03	0.15		0.82	0.82		0.9825249396		

Stock	Year	OFL	ABC	Canadian Share/Allowance	U.S. ABC	Percent of ABC						
						State Waters	Other sub-	Scallops	Groundfish	Comm Groundfish	Rec Groundfish	Sector PSC
GB Winter Flounder	2014	4,626	3,598		3,598		0.03		0.97	0.97		0.9937146348
	2015					0.03		0.97	0.97		0.9937146348	
	2016					0.03		0.97	0.97		0.9937146348	
GOM Winter Flounder	2014	1,458	1,078		1,078	0.25	0.05		0.70	0.70		0.9630488571
	2015					0.25	0.05		0.70	0.70		0.9630488571
	2016					0.25	0.05		0.70	0.70		0.9630488571
SNE/MA Winter Flounder	2014	3,372	1,676		1,676	0.14	0.10		0.76	0.76		0.8876590880
	2015					0.14	0.10		0.76	0.76		0.8876590880
	2016					0.14	0.10		0.76	0.76		0.8876590880
Redfish	2014	16,130	11,465		11,465	0.01	0.02		0.97	0.97		0.9960386508
	2015					0.01	0.02		0.97	0.97		0.9960386508
	2016					0.01	0.02		0.97	0.97		0.9960386508
White Hake	2014	6,082	4,642		4,642	0.01	0.02		0.97	0.97		0.9928907096
	2015					0.01	0.02		0.97	0.97		0.9928907096
	2016					0.01	0.02		0.97	0.97		0.9928907096
Pollock	2014	20,554	16,000		16,000	0.06	0.07		0.87	0.87		0.9929805872
	2015					0.06	0.07		0.87	0.87		0.9929805872
	2016								1.00	1.00		0.9929805872
N. Windowpane Flounder	2014	202	151		151	0.01	0.29		0.70	0.70		
	2015					0.01	0.29		0.70	0.70		
	2016					0.01	0.29		0.70	0.70		
S. Windowpane Flounder	2014	730	548		548	0.10	0.34	0.36	0.20	0.20		
	2015					0.10	0.34	0.36	0.20	0.20		
	2016					0.10	0.34	0.36	0.20	0.20		
Ocean Pout	2014	313	235		235	0.01	0.09		0.90	0.90		
	2015					0.01	0.09		0.90	0.90		
	2016					0.01	0.09		0.90	0.90		
Atlantic Halibut	2014	180	109		109	0.40	0.05		0.55	0.55		
	2015					0.40	0.05		0.55	0.55		
	2016					0.40	0.05		0.55	0.55		
Atlantic Wolffish	2014	94	70		70	0.01	0.04		0.95	0.95		
	2015					0.01	0.04		0.95	0.95		
	2016					0.01	0.04		0.95	0.95		

Table 4 – Distribution of ABC to fishery components

Northeast Multispecies OFLs, ABCs, ACLs and other ACL sub-components for FY 2014 – FY 2015 (metric tons, live weight). Values are rounded to the nearest metric ton. Sector shares based on 2013 PSCs. Only stocks that are underlined are proposed to be adjusted. Other stocks are provided for informational purposes. Grayed out values will be adjusted as a result of future recommendations of the TMGC.

(1) Includes commercial ABC in state waters and other sub-components

Stock	Year	OFL	U.S. ABC	State Waters Sub-component	Other Sub-Components (4)	Scallops	Ground-fish Sub-ACL	Comm Ground-fish Sub-ACL	Rec Ground-fish Sub-ACL	Preliminary Sectors Sub-ACL	Preliminary Non-Sector Ground-fish Sub-ACL	Small Mesh/MWT Sub-ACL	Total ACL
<u>GB Cod</u>	<u>2014</u>	<u>3,570</u>	<u>1,960</u>	<u>20</u>	<u>78</u>	<u>0</u>	<u>1,769</u>		<u>0</u>	<u>1,738</u>	<u>31</u>	<u>0</u>	<u>1,867</u>
	2015	4,191	2,506	25	100	0	2,262		0	2,223	39	0	2,387
	2016												
GOM Cod	2014	1,917	1,550	103	51	0		830	486	812	18	0	1,470
	2015	2,639	1,550	103	51	0		830	486	812	18	0	1,470
	2016												
<u>GB Haddock</u>	<u>2014</u>	<u>46,268</u>	<u>19,229</u>	<u>192</u>	<u>769</u>	<u>0</u>	<u>17,171</u>		<u>0</u>	<u>17,116</u>	<u>56</u>	<u>179</u>	<u>18,312</u>
	2015	56,293	43,606	436	1,744	0	38,940		0	38,814	126	406	41,526
	2016												
GOM Haddock	2014	440	341	5	7	0		220	87	218	2	3	323
	2015	561	435	6	9	0		280	111	278	2	4	412
	2016												
<u>GB Yellowtail Flounder</u>	<u>2014</u>	<u>unknown</u>	<u>328</u>		<u>6.6</u>	<u>50.9</u>	<u>254.5</u>		<u>0</u>	<u>251.5</u>	<u>3.1</u>	<u>6.1</u>	<u>318.1</u>
	2015												
	2016												

Stock	Year	OFL	U.S. ABC	State Waters Sub-component	Other Sub-Components	Scallops	Ground-fish Sub-ACL	Comm Ground-fish Sub-ACL	Rec Ground-fish Sub-ACL	Preliminary Sectors Sub-ACL	Preliminary Non-Sector Ground-fish Sub-ACL	Small Mesh/MWT Sub-ACL	Total ACL
SNE/MA Yellowtail Flounder	2014	1,042	700	7	28	66	564		0	469	95	0	665
	2015	1,056	700	7	28	64	566		0	471	95	0	665
	2016												
CC/GOM Yellowtail Flounder	2014	936	548	33	11	0	479		0	466	13	0	523
	2015	1,194	548	33	11	0	479		0	466	13	0	523
	2016												
American Plaice	2014	1,981	1,515	30	30	0	1,382		0	1,357	24	0	1,442
	2015	2,021	1,544	31	31	0	1,408		0	1,383	25	0	1,470
	2016												
Witch Flounder	2014	1,512	783	23	117	0	610		0	599	11	0	751
	2015	1,846	783	23	117	0	610		0	599	11	0	751
	2016												
GB Winter Flounder	2014	4,626	3,598	0	108	0	3,385		0	3,364	21	0	3,493
	2015												
	2016												
GOM Winter Flounder	2014	1,458	1,078	272	54	0	714.7		0	688.3	26.4	0	1,040
	2015												
	2016												
SNE/MA Winter Flounder	2014	3,372	1,676	235	168	0	1,210		0	1,074	136	0	1,612
	2015	4,439	1,676	235	168	0	1,210		0	1,074	136	0	1,612
	2016												
Redfish	2014	16,130	11,465	115	229	0	10,565		0	10,523	42	0	10,909
	2015	16,845	11,974	120	239	0	11,034		0	10,990	44	0	11,393
	2016												

Stock	Year	OFL	U.S. ABC	State Waters Sub-component	Other Sub-Components	Scallops	Ground-fish Sub-ACL	Comm Ground-fish Sub-ACL	Rec Ground-fish Sub-ACL	Preliminary Sectors Sub-ACL	Preliminary Non-Sector Ground fish Sub-ACL	Small Mesh/MWT Sub-ACL	Total ACL
White Hake	2014	6,082	4,642	46	93	0	4,278	-	0	4,247	30	0	4,417
	2015	6,237	4,713	47	94	0	4,343		0	4,312	31	0	4,484
	2016	6,314	4,645	46	93	0	4,280		0	4,250	30	0	4,420
Pollock	2014	20,554	16,000	960	1,120	0	13,224		0	13,131	93	0	15,304
	2015												
	2016												
N. Window-pane Flounder	2014	202	151	2	44	0	98		0	0	98	0	144
	2015	202	151	2	44	0	98		0	0	98	0	144
	2016												
S. Window-pane Flounder	2014	730	548	55	186	183	102		0	0	102	0	527
	2015	730	548	55	186	183	102		0	0	102	0	527
	2016												
Ocean Pout	2014	313	235	2	21	0	197		0	0	197	0	220
	2015	313	235	2	21	0	197		0	0	197	0	220
	2016												
Atlantic Halibut	2014	180	109	44	5	0	57		0	0	57	0	106
	2015	198	119	48	6	0	62		0	0	62	0	116
	2016												
Atlantic Wolffish	2014	94	70	1	3	0	62		0	0	62	0	65
	2015	94	70	1	3	0	62		0	0	62	0	65
	2016												

Table 5 – ACL adjustments

Stock	Year	State Waters	Other Sub-Components	Scallops	Groundfish	Comm/Non-Sector Groundfish	Rec Groundfish	Sector PSC	MWT
GB Cod	2014	1	1	1	0.95	0.95	0.95	0.95	1
	2015	1	1	1	0.95	0.95	0.95	0.95	1
	2016	1	1	1	0.95	0.95	0.95	0.95	1
GOM Cod	2014	1	1	1	0.95	0.95	0.93	0.95	1
	2015	1	1	1	0.95	0.95	0.93	0.95	1
	2016	1	1	1	0.95	0.95	0.93	0.95	1
GB Haddock	2014	1	1	1	0.95	0.95	0.95	0.95	0.93
	2015	1	1	1	0.95	0.95	0.95	0.95	0.93
	2016	1	1	1	0.95	0.95	0.95	0.95	0.93
GOM Haddock	2014	1	1	1	0.95	0.95	0.93	0.95	0.93
	2015	1	1	1	0.95	0.95	0.93	0.95	0.93
	2016	1	1	1	0.95	0.95	0.93	0.95	0.93
GB Yellowtail Flounder	2014	1	1	0.97	0.97	0.97	0.95	0.97	0.93
	2015	1	1	0.97	0.97	0.97	0.95	0.97	0.93
	2016	1	1	0.97	0.97	0.97	0.95	0.97	0.93
SNE/MA Yellowtail Flounder	2014	1	1	0.93	0.95	0.95	0.95	0.95	1
	2015	1	1	0.93	0.95	0.95	0.95	0.95	1
	2016	1	1	0.93	0.95	0.95	0.95	0.95	1
CC/GOM Yellowtail Flounder	2014	1	1	1	0.95	0.95	0.95	0.95	1
	2015	1	1	0.97	0.95	0.95	0.95	0.95	1
	2016	1	1	0.97	0.95	0.95	0.95	0.95	1
Plaice	2014	1	1	1	0.95	0.95	0.95	0.95	1
	2015	1	1	1	0.95	0.95	0.95	0.95	1
	2016	1	1	1	0.95	0.95	0.95	0.95	1
Witch Flounder	2014	1	1	1	0.95	0.95	0.95	0.95	1
	2015	1	1	1	0.95	0.95	0.95	0.95	1
	2016	1	1	1	0.95	0.95	0.95	0.95	1

Stock	Year	State Waters	Other Sub-Components	Scallops	Groundfish	Comm/Non-Sector Groundfish	Rec Groundfish	Sector PSC	MWT
GB Winter Flounder	2014	1	1	1	0.97	0.97	0.97	0.97	1
	2015	1	1	1	0.97	0.97	0.97	0.97	1
	2016	1	1	1	0.97	0.97	0.97	0.97	1
GOM Winter Flounder	2014	1	1	1	0.95	0.95	0.95	0.95	1
	2015	1	1	1	0.95	0.95	0.95	0.95	1
	2016	1	1	1	0.95	0.95	0.95	0.95	1
SNE/MA Winter Flounder	2014	1	1	1	0.95	0.95	0.95	0.95	1
	2015	1	1	1	0.95	0.95	0.95	0.95	1
	2016	1	1	1	0.95	0.95	0.95	0.95	1
Redfish	2014	1	1	1	0.95	0.95	0.95	0.95	1
	2015	1	1	1	0.95	0.95	0.95	0.95	1
	2016	1	1	1	0.95	0.95	0.95	0.95	1
White Hake	2014	1	1	1	0.95	0.95	0.95	0.95	1
	2015	1	1	1	0.95	0.95	0.95	0.95	1
	2016	1	1	1	0.95	0.95	0.95	0.95	1
Pollock	2014	1	1	1	0.95	0.95	0.95	0.95	1
	2015	1	1	1	0.95	0.95	0.95	0.95	1
	2016	1	1	1	0.95	0.95	0.95	0.95	1
N. Windowpane Flounder	2014	1	1	1	0.93	0.93	0.95	0.93	1
	2015	1	1	1	0.93	0.93	0.95	0.93	1
	2016	1	1	1	0.93	0.93	0.95	0.93	1
S. Windowpane Flounder	2014	1	1	0.93	0.93	0.93	0.95	0.93	1
	2015	1	1	0.93	0.93	0.93	0.95	0.93	1
	2016	1	1	0.93	0.93	0.93	0.95	0.93	1
Ocean Pout	2014	1	1	1	0.93	0.93	0.95	0.93	1
	2015	1	1	1	0.93	0.93	0.95	0.93	1
	2016	1	1	1	0.93	0.93	0.95	0.93	1

Stock	Year	State Waters	Other Sub-Components	Scallops	Groundfish	Comm/Non-Sector Groundfish	Rec Groundfish	Sector PSC	MWT
Atlantic Halibut	2014	1	1	1	0.95	0.95	0.95	0.95	1
	2015	1	1	1	0.95	0.95	0.95	0.95	1
	2016	1	1	1	0.95	0.95	0.95	0.95	1
Atlantic Wolffish	2014	1	1	1	0.93	0.93	0.95	0.95	1
	2015	1	1	1	0.93	0.93	0.95	0.95	1
	2016	1	1	1	0.93	0.93	0.95	0.95	1

Table 6 - Summary of ABC Distribution to state and other sub-components (percent of ABC shown)

Stock	State sub-component			Other sub-component		
	FW 44 (FY 10-11)	FW 47 (FY 12)	FW 50 (FY13-15)	FW 44 (FY 10-11)	FW 47 (FY 12)	FW 50 (FY13-15)
GB cod	0.01	0.01	0.01	0.04	0.04	0.04
GOM cod	0.10	0.10	0.10	0.05	0.05	0.05
GB Haddock	0.01	0.01	0.01	0.04	0.04	0.04
GOM Haddock	0.01	0.02	0.02	0.04	<u>0.03</u>	0.03
GB Yellowtail Flounder	0.00	0.00	0.00	0.05	<u>0.04</u>	<u>0.02</u>
SNE/MA Yellowtail Flounder	0.01	0.01	0.01	0.04	0.04	0.04
CC/GOM Yellowtail Flounder	0.01	0.03	0.06	0.04	<u>0.02</u>	0.02
Plaice	0.01	0.01	0.02	0.04	0.04	<u>0.02</u>
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	<u>0.03</u>
GOM Winter Flounder	0.25	0.25	0.25	0.05	0.05	0.05
SNE/MA Winter Flounder	0.08	0.28	<u>0.14</u>	0.05	0.20	<u>0.10</u>
Redfish	0.01	0.01	0.01	0.04	0.04	<u>0.02</u>
White Hake	0.01	0.02	<u>0.01</u>	0.04	0.03	<u>0.02</u>
Pollock	0.06	<u>0.05</u>	0.06	0.06	0.09	<u>0.07</u>
Northern Windowpane	0.01	0.01	0.01	0.29	<u>0.19</u>	0.29
Southern Windowpane	0.01	0.10	0.10	0.29	0.70	0.70
Ocean Pout	0.01	0.01	0.01	0.04	0.09	0.09
Halibut	0.50	0.50	<u>0.40</u>	0.05	0.05	0.05
Wolffish	0.01	0.01	0.01	0.04	0.04	0.04

Note: Changes in the percentage relative to the previous year are shown in bold font as follows: red/italic text indicates increase to sub-component percentage; green/underlined text indicates decrease.

Table 7 – Proposed incidental catch TACs for major stocks of concern (mt). TACs are for the fishing year. TACs shown are metric tons, live weight. Note: GB cod and GB yellowtail flounder TAC is determined annually and cannot be estimated in advance. Values are dependent on ACLs, which have not yet been determined.

	Percentage of Common Pool ACL
GB cod	Two
GOM cod	One
GB Yellowtail	Two
CC/GOM yellowtail	One
Plaice	Five
Witch Flounder	Five
SNE/MA Winter Flounder	One

Table 8 - Proposed allocation of incidental catch TACs for major stocks of concern to Category B DAS programs (shown as percentage of the incidental catch TAC)

	Category B (regular) DAS Program	CAI Hook Gear SAP	Eastern US/CA Haddock SAP	Southern CAI Haddock SAP
GOM cod	100%	NA	NA	
GB cod	50%	16%	34%	
CC/GOM yellowtail	100%	NA	NA	
Plaice	100%	NA	NA	
White Hake	100%	NA	NA	
SNE/MA Winter Flounder	100%	NA	NA	
Witch Flounder	100%	NA	NA	
GB Yellowtail	50%	NA	50%	