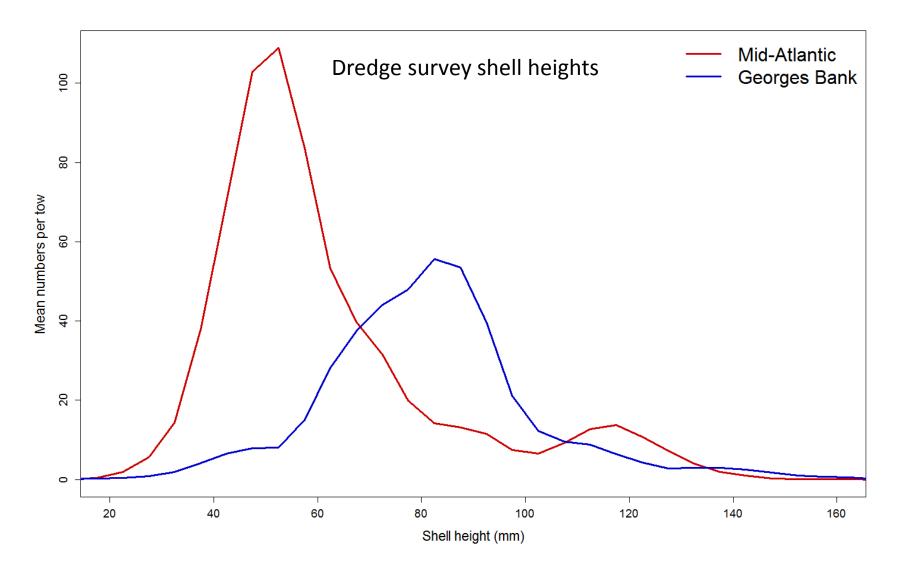


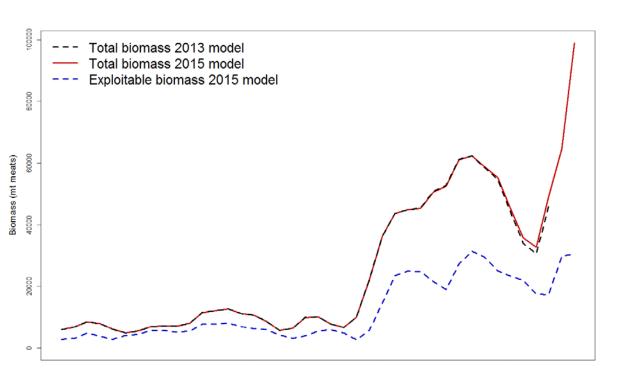
Large year classes of juvenile scallops were observed in both the Mid-Atlantic (2013 yc) and Georges Bank (2012 yc) Relatively low numbers of commercial-sized scallops



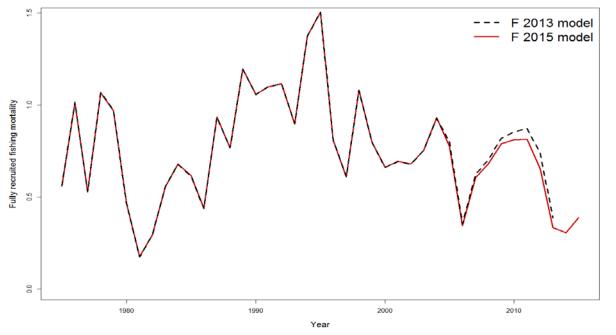
CASA model updates

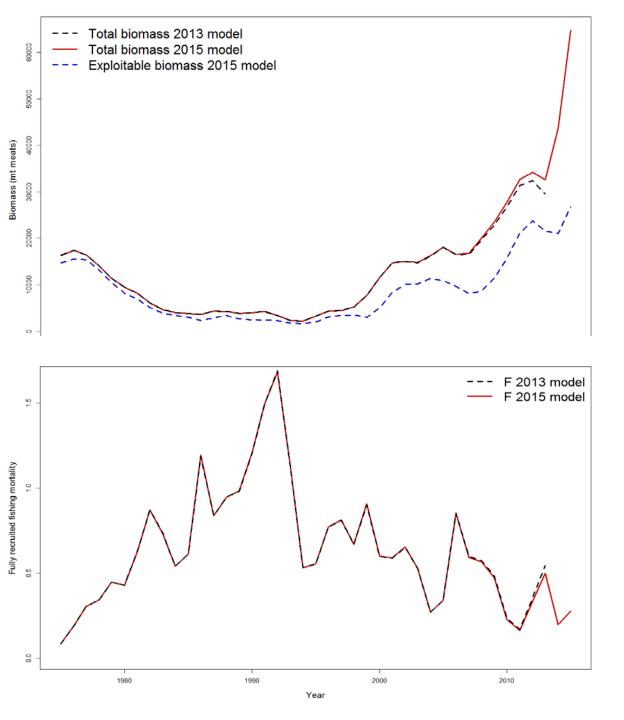
Last benchmark assessment used data through 2013 Three areas modeled: Mid-Atlantic, Georges Bank open and Georges Bank closed

Updated with 2014-2015 data (2015 survey and estimated landings only)

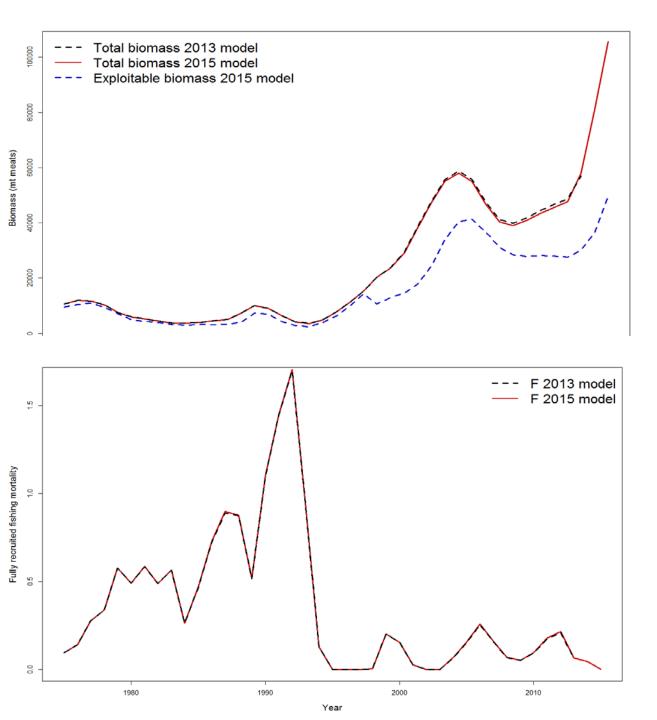


CASA model estimates for Mid-Atlantic Bight

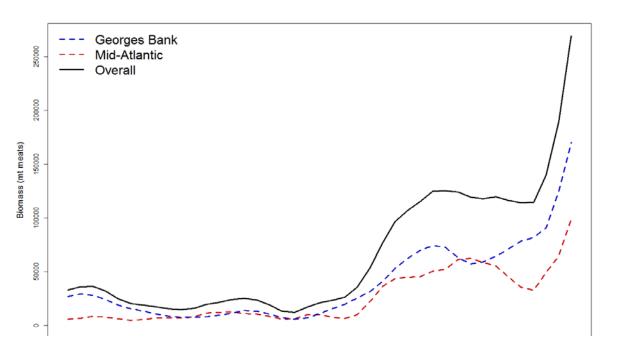




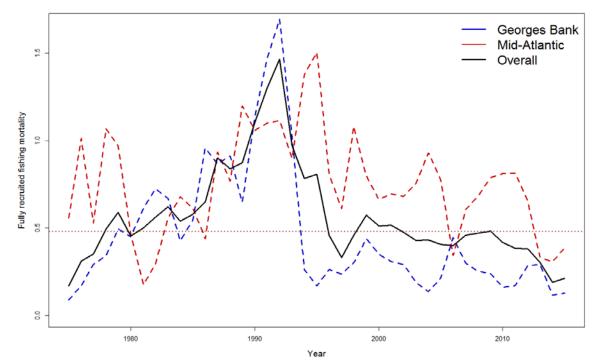
CASA model estimates for Georges Bank open (includes NLS-ext)



CASA model estimates for Georges Bank closed (2015 biomass probably an overestimate)



Combined CASA model estimates



Biomass over target, F under threshold, i.e., not overfished, not overfishing

2016-2017 ABC and OFL Estimates

SAMS forecasting model initialized to 2015 survey data

For ABC/OFL, all areas are fished @ 0.38 For OFL, all areas are fished @ 0.48

Note that because of closed areas, etc., actual 2016-17 landings will be much lower than ABC/ACL Actual discards will be much much lower than ABC/ACL estimates

Sea Scallop ABC/OFL estimates for 2016/2017

Year	GBBms	MABms	TotBms	ExplBms	ABC Land	Discards	ABC Total	OFL Land	Discards	OFL Total
2015	90704	106024	196728	57009	25352*	6107*	31459*			38061*
2016	142690	169354	312044	76302	37852	17885	55737	45997	22421	68418
2017	165102	202141	367243	153333	62929	19460	82389	76084	23604	99688
*2015 ABC and OFL from FW 26										

The model expects a tripling of exploitable biomass between 2015 and 2017

In the past, very large year classes experienced above average natural mortality – may already be observing this in GB Such density-dependent natural mortality is not built into the current forecasting model. If such density-dependence occurs again, biomass, ABC and OFLs for 2016 and especially 2017 would be overestimated

Suggest keeping 2017 defaults at 2016 levels – will be updated next year