

Sensitivity analyses summary.										Features
	Author	Date	Folder <sup>a</sup>	Script model <sup>b</sup>	Script results <sup>b</sup>	Base model <sup>c</sup>	New model <sup>c</sup>	Object		
0. Transition										
Item 0.0	The team	2023-02-17 09:09:21	model\2013_SST_SSV3_30_21	v324_v330_transition.R	2013_v324_v330_bridge_comparison.R	13.sq	23.sq.fixQ	Bridging		
						23.sq.fixQ	23.sq.fix	All Param fixed		
Item 0.1	Matthieu VERON	2023-03-14 20:36:28	0.1_Bridging_models	0.1_Bridging_models_Analyses.R	0.1_Bridging_models_Outputs.R	23.sq.fixQ	23.sq.floatQ	Floating Q	Revisiting the transition of the 2013 model. For the transition, the model created was based on the 2013 model except that the catchability parameters were set to the "estimated" value from the 2013 assessment (which used a floating approach by setting Q as a scaling factor such that the estimate is median unbiased). Three models are developed here: i) a model where all the parameters are fixed to their estimated value from the 2013 assessment, ii) a second model which consider a floating approach for Q (i.e., an analytical solution is used and Q is not estimated as an active parameter) and iii) a third model where all parameters are freely estimated (Q included).	
						23.sq.fixQ	23.sq.est	All Param estimated		
						23.sq.floatQ	23.land.update	Update landings		
						23.land.update	23.disc.update	Updates discard rates		
						23.disc.update	23.surv_geo.update	Update survey geostat indices		
						23.surv_geo.update	23.lcs_survey.update	Update survey length comps		
Item 0.2	Team Thomyheads	2023-04-04 14:45:01	0.2_Update_Data	0.2_Update_Data_Analyses.R	0.2_Update_Data_Outputs.R	23.lcs_survey.update	23.lcs_fisheries.update	Update fisheries length comps	# Updating the data sets from the 2013 assessment to the 2023 assessment without changing the structural assumptions. The data sets that are updated as part of this analysis include fishery landings (using the status quo four fleet structure), discards, new geostatistical indices from glnTMB, composition data, and biological parameters. The growth parameters are new and are based on Butler data. Maturity parameters are new and based on Melissa Head's data. Fecundity parameters are new and based on Cooper et al 2005. Natural mortality is new and based on Hamel and Cope 2022 longevity estimator. These updates are collectively considered "best aval science."	
						23.lcs_fisheries.update	23.disc_weight.update	Update discard mean weights		
						23.disc_weight.update	23.growth.update	Update growth		
						23.growth.update	23.maturity.update	Update maturity		
						23.maturity.update	23.fecundity.update	Update fecundity		
						23.fecundity.update	23.mortality.update	Update natural mortality		

Note:  
Here is a general comments where to find scripts, folders, and models.  
<sup>a</sup> The "Folder" is housed in the 'model/Sensitivity\_Anal' repertory;  
<sup>b</sup> The scripts are housed in the 'R/ss/Sensitivity\_Anal' repertory;  
<sup>c</sup> The models are housed in the 'model/Sensitivity\_Anal' "Folder" repertory