GOA Dusky & Northern Rockfish Model Evaluations

Ben Williams

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Chapter 1

Examinations

Chapter 2

Inputs

2.1 Survey inputs

2.2 Dusky rockfish

Generally speaking exploring different VAST models. The model variants are listed in the legends where db = design-based and the VAST models are listed by their error structure and the number of knots i.e., gamma_750 = a Gamma error structure with 750 knots.

Design-based and VAST model estimates of survey biomass inputs. Shaded areas are 95% confidence intervals.

Model estimated survey biomass.

Model estimated spawning biomass.

Model estimated total biomass.

2.3 Northern rockfish

Examinations of different weightings for the survey index of abundance. Survey weight is in percent. The srv_wt_100_var is a full weight VAST survey with the variance doubled.

Survey biomass estimates from differing survey index model weightings. db= design-based, srv = VAST.

Spawning biomass estimates from differing survey index model weightings. db= design-based, srv = VAST.

Total biomass estimates from differing survey index model weightings. db=design-based, srv = VAST.