

Generic Amendment: Carryover Provisions and Framework Modifications

(TAB E, No. 6c2)

Sustainable Fisheries Committee

June 3rd, 2019

Scope of work

- Simulations demonstrated that 1:1 combined carryover and payback provisions on underages/overages of up to 50% of ABC would not jeopardize the rebuilding timeline for red snapper, and had no deleterious effect on king mackerel.
- However, the SSC requested and the Council agreed that the simulations be modified to include instances of overharvest without payback for both species, as well as greater amberjack.



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How do carryover and payback provisions impact stock status and rebuilding timelines?

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Simulation methods

- Used base projection models from SEADR 33 update, SEDAR 38, and SEDAR 52
- Evaluated 12 projection scenarios for each example species with fixed single or random sequences of underages and overages
- Simulated perturbations (underages and overages) of up to 50% of ABC and 1:1 carryover and payback in the following year*

*this simulated carryover is much larger than the carryover that would typically be allowed, since carryover can not exceed OFL-ABC under NS1. (OFL-ABC is 2.5-18.8% for the stocks simulated here).

Results: combined carryover and payback provision

- Combined carryover and payback provisions at 1:1 level are expected to maintain long term stock status
- No negative impact on SSB or rebuilding timelines is expected from carryover/payback up to +/-50% of ABC

Results: carryover without payback provision

- SSB declined relative to base scenario (no overage) under all overage scenarios
- Decline in SSB was sustained for 10-20 years following a single overage
- Rebuilding was delayed by between 1 year (1% single overage) and 6 years (50% single overage)
- Repeated overages can be expected to have close to cumulative effects
- If overages are continually not paid back, it can not be expected that red snapper will rebuild in a reasonable timeframe

SSC Recommendations

- SSC recommends the simulation analysis as best available science
- If a payback, in case of a quota overage, or a carryover, in case of quota underage, is handled in a one on one fashion in the short term, there is little effect on rebuilding trajectories.
- The SSC recommends that the Council consider implementing paybacks for overages for stocks on a rebuilding schedule, in light of the analyses provided regarding overages with no payback provision