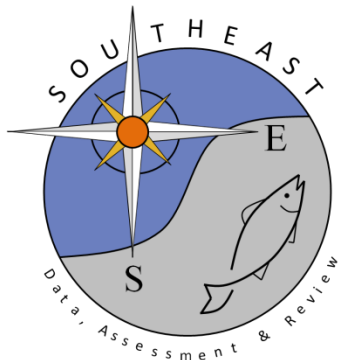


# SEDAR1-DW6 - 2002 Tuesday Life History Group Discussion

SEDAR 01 Life History Group

SEDAR60-RD17

12/09/19



SEDAR 01 - 2002

Tuesday Life History Group Discussion

Natural Mortality – Group suggests shift in  $M$  to 0.20 -0.25 due to the 18 yr.old fish. Other considerations were given to the trophic level of the species and maturity schedule.

Release Mortality – Release mortality was estimated for red porgy captured and returned to depth in cages for a period of 24 hrs. At 36m survivability was 92% and at 46-54m survivability was 65%. Personal observations suggests that release mortality approaches 100% in deeper water. Because fishery data does not provide location or depth of capture, the group suggested using 35% release mortality across the board for all fisheries. If release mortality is applied to recreational fishery (MRFSS) , which typically fish in shallower depths, then 8% release mortality should be applied to the B2 estimates.

Citation

Collins, M.R. In press. Survival estimates for demersal reef fishes released by anglers. Proceedings of the 43<sup>rd</sup> Annual Gulf and Caribbean Fisheries Institute, Nassau, Bahamas, November 1991.