

SEDAR1-DW6

Life History Group Discussion, Natural Mortality

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 43rd Annual Gulf and Caribbean Fisheries Institute, Nassau, Bahamas, November 1991.