Table S.1. Stock assessment output for black sea bass and red grouper under four scenarios for dead discards. The 100% scenario represents values that are currently used in assessment models; other scenarios represent model runs using decremented values of the 100% value to represent our suggestion that repetitive captures imply lower discard mortality than is currently estimated. *S* and *F* represent spawning biomass and fishing mortality rate, respectively. *S*MSY and *F*MSY represent the levels of *S* and *F* at MSY. Values shown for *S/S*MSY are for the terminal years in the assessments, but values of *F* (and associated estimates) are averaged from the last two years of the assessment for black sea bass (SEDAR 2018) and the last three years of the assessment for red grouper (SEDAR 2017).

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| **Black sea bass** |  |  |  |  |  |  |  |
| Dead discards | *N* (1000 fish) | *S* | *S*MSY (1E10 eggs) | *S/S*MSY | *F* | *F*MSY (y^-1) | *F/F*MSY |
| 100% | 55086 | 288 | 472 | 0.61 | 0.39 | 0.29 | 1.34 |
| 75% | 53948 | 289 | 458 | 0.63 | 0.30 | 0.33 | 0.90 |
| 50% | 52876 | 293 | 444 | 0.66 | 0.25 | 0.41 | 0.60 |
| 25% | 51872 | 295 | 428 | 0.69 | 0.23 | 0.59 | 0.39 |
| **Red grouper** |  |  |  |  |  |  |  |
| Dead discards | *N* (1000 fish) | *S* | *S*MSY (mt) | *S/S*MSY | *F* | *F*MSY (y^-1) | *F/F*MSY |
| 100% | 570 | 1056 | 5559 | 0.19 | 0.44 | 0.12 | 3.69 |
| 75% | 619 | 1141 | 5188 | 0.22 | 0.36 | 0.12 | 3.02 |
| 50% | 688 | 1292 | 4784 | 0.27 | 0.32 | 0.14 | 2.30 |
| 25% | 774 | 1506 | 4303 | 0.35 | 0.28 | 0.17 | 1.66 |