

## Other billfish stock status indicators

Secretariat

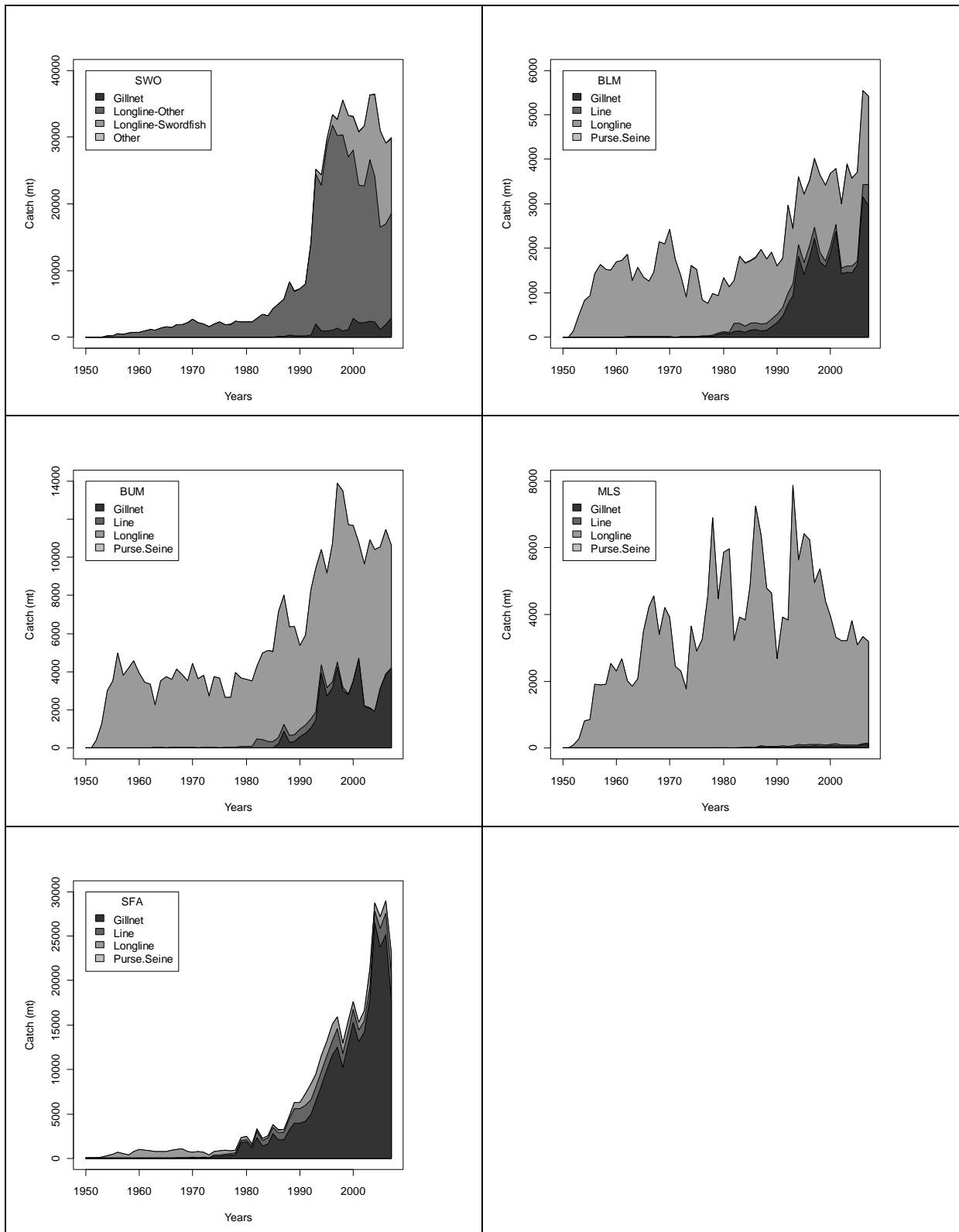


Figure 1. Total catch of Swo, Bim, Bum, Mls and Sfa from 1952 to 2007 per gear.

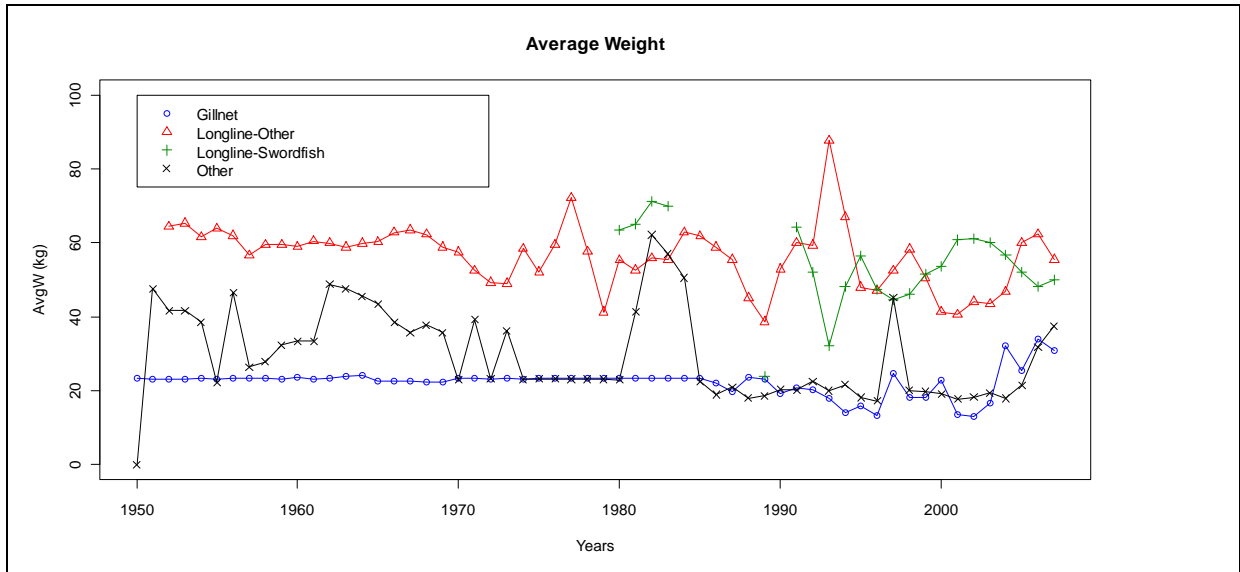


Figure 2. Average Weight of Swo per gear

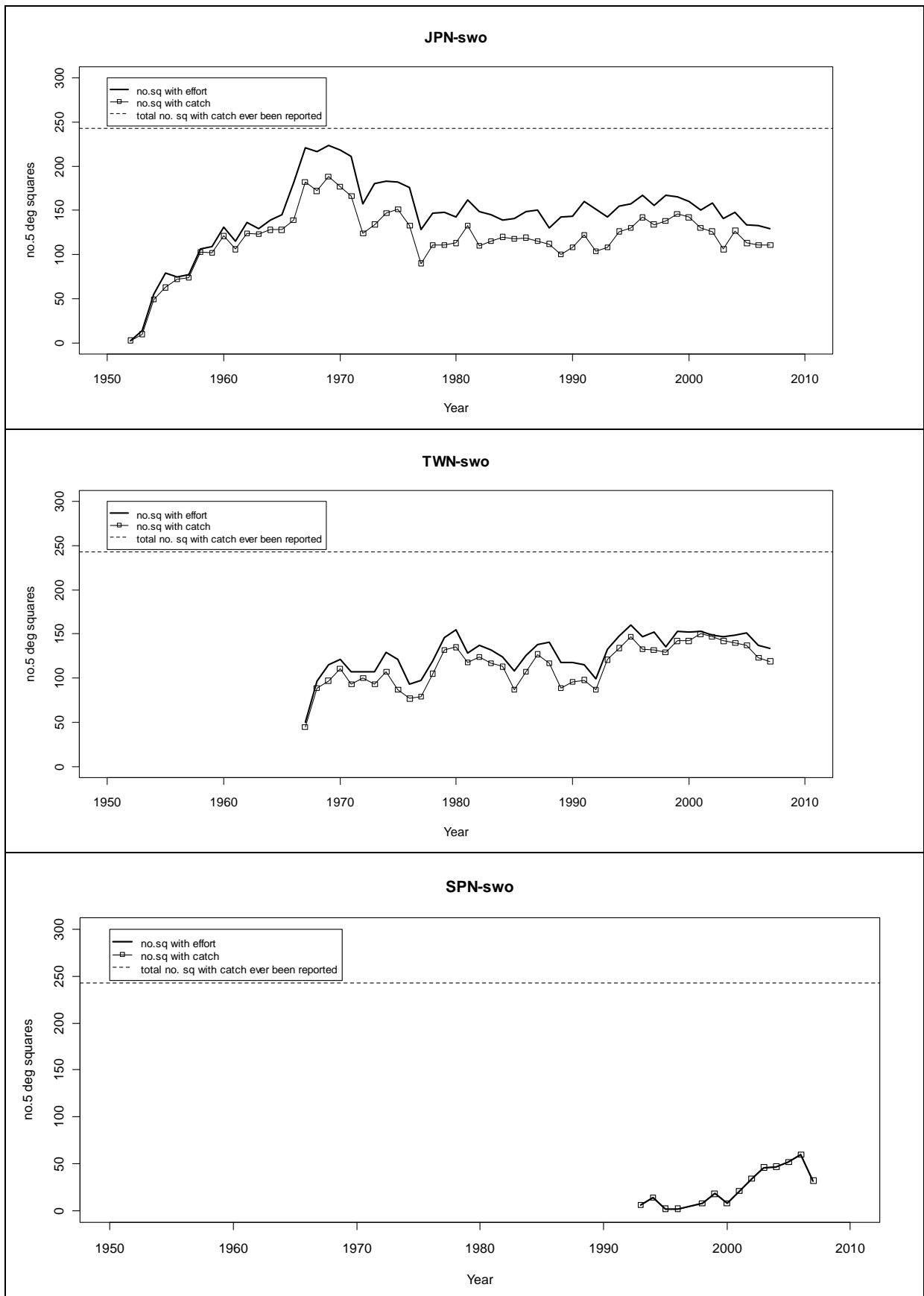


Figure 3. Nb of 5deg squares with effort and catch of swordfish of at least 10 fish for the LL JPN, TWN and SPN

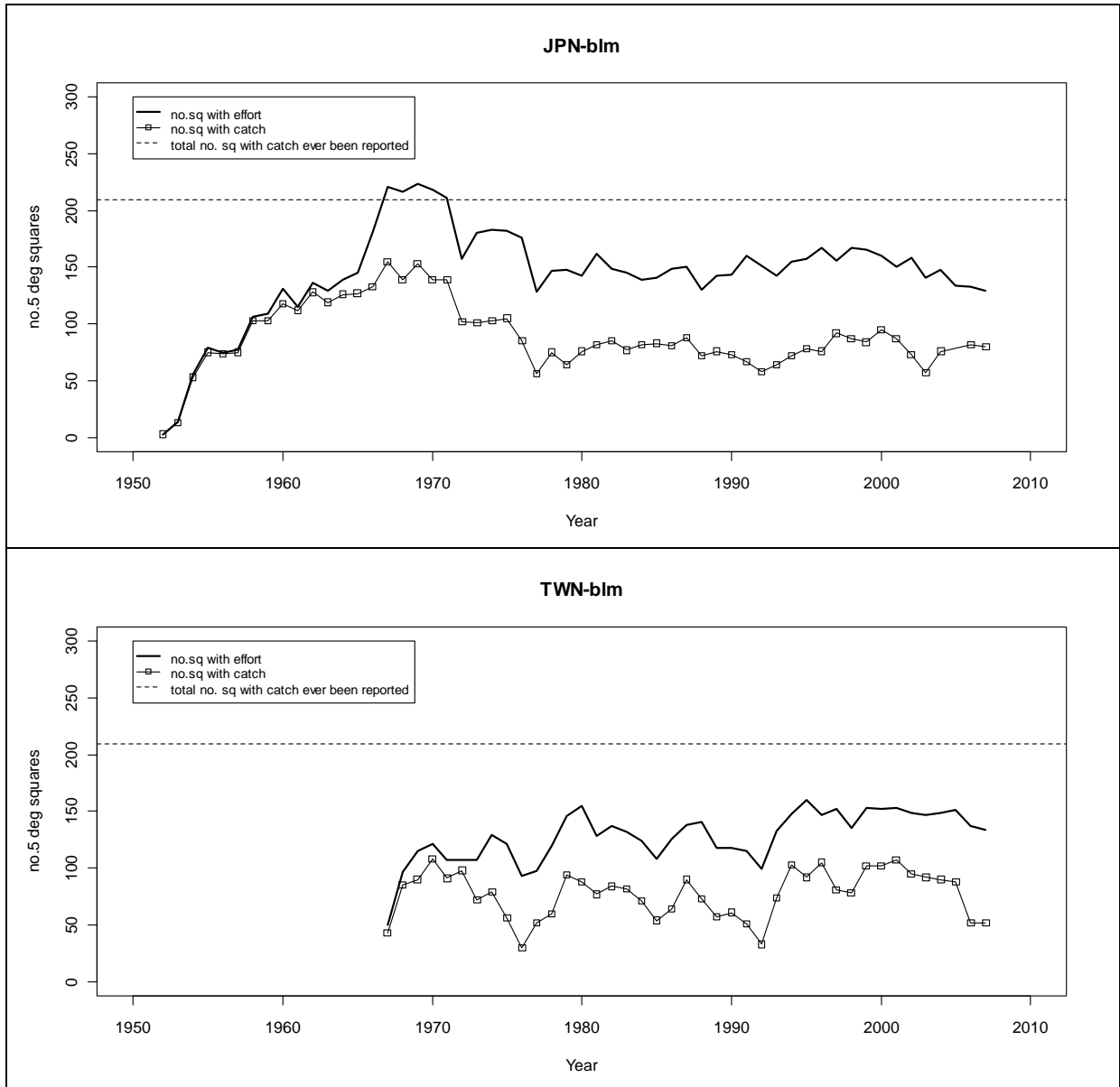


Figure 4. Nb of 5deg squares with effort and catch of black marlin of at least 10 fish for the LL JPN, TWN

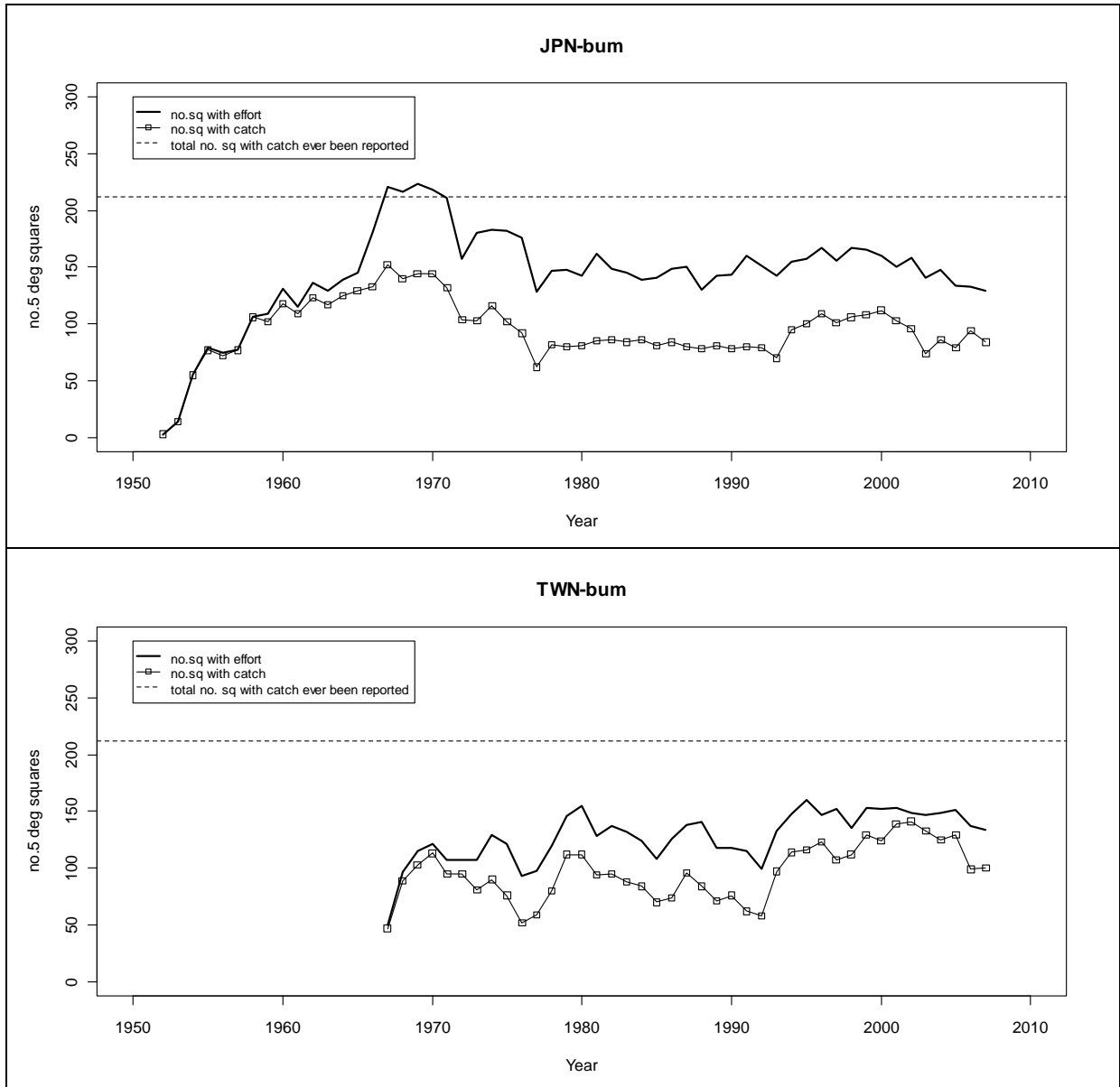


Figure 5. Nb of 5deg squares with effort and catch of blue marlin of at least 10 fish for the LL JPN, TWN

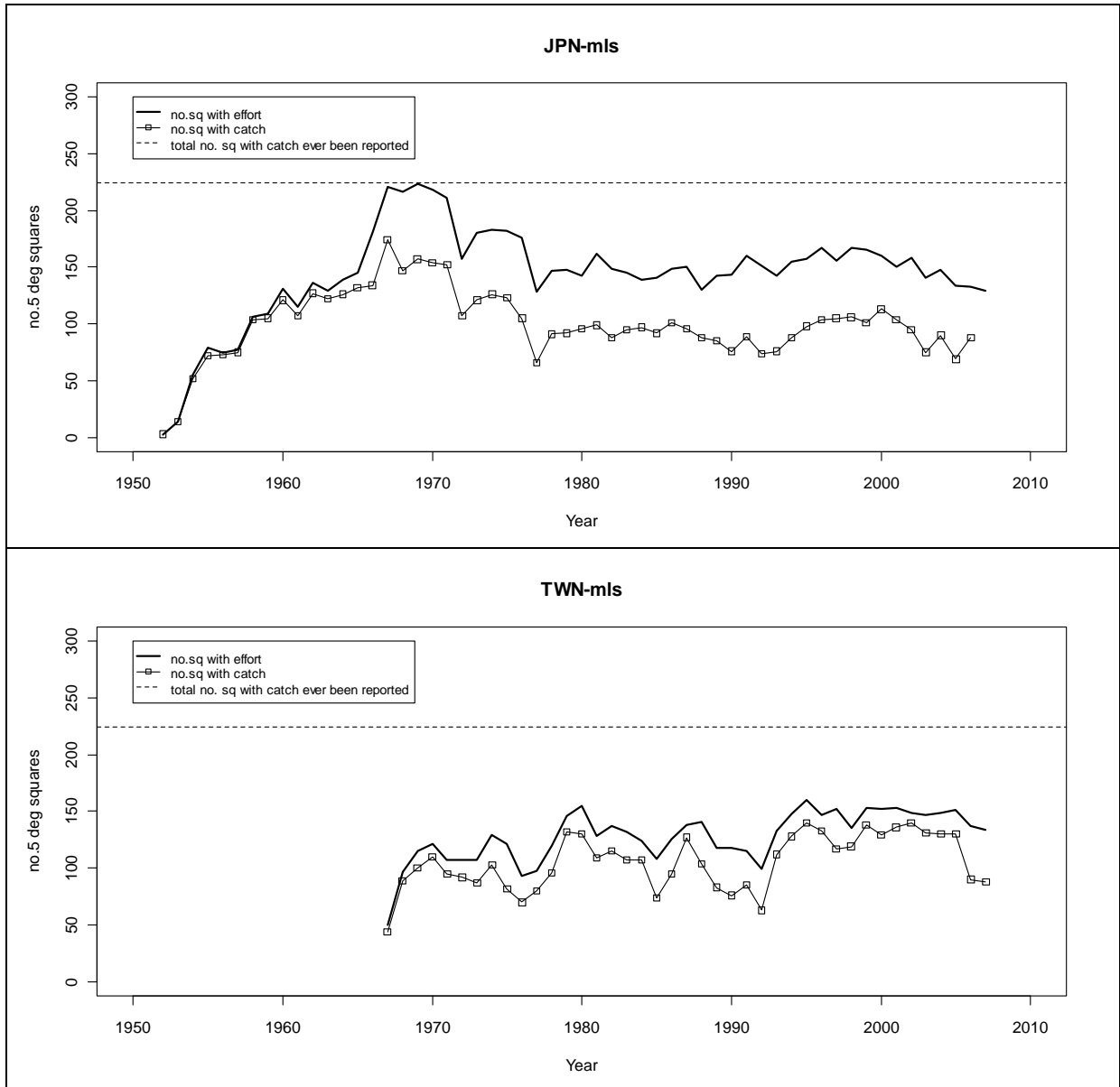


Figure 6. Nb of 5deg squares with effort and catch of striped marlin of at least 10 fish for the LL JPN and TWN

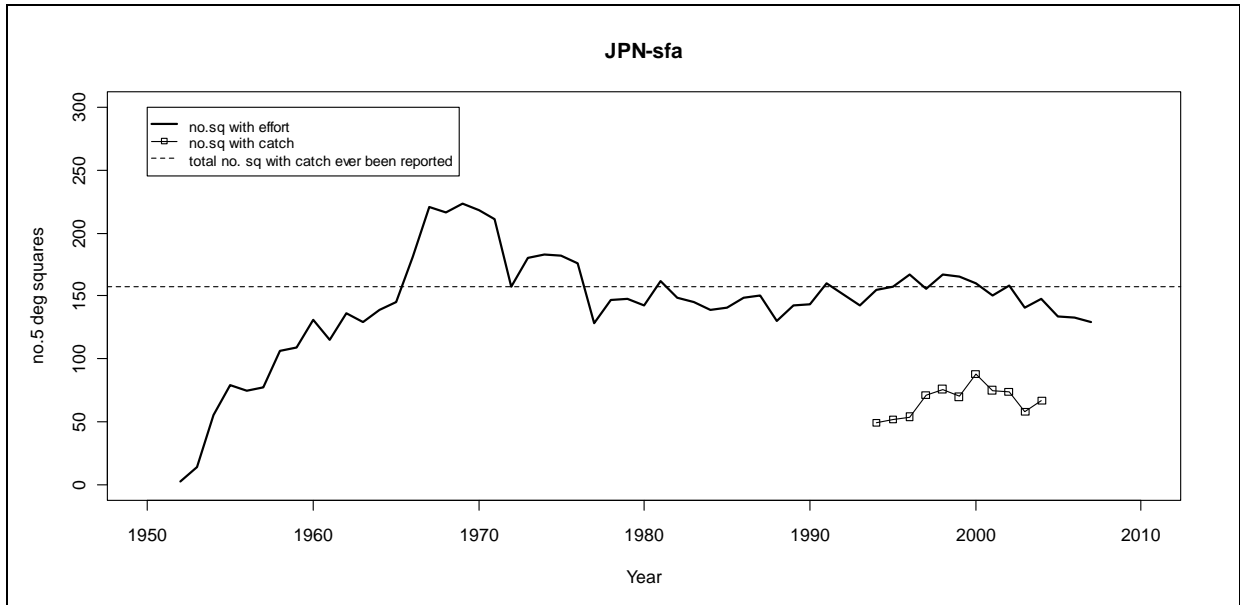


Figure 7. Nb of 5deg squares with effort and catch of sailfish for the LL JPN

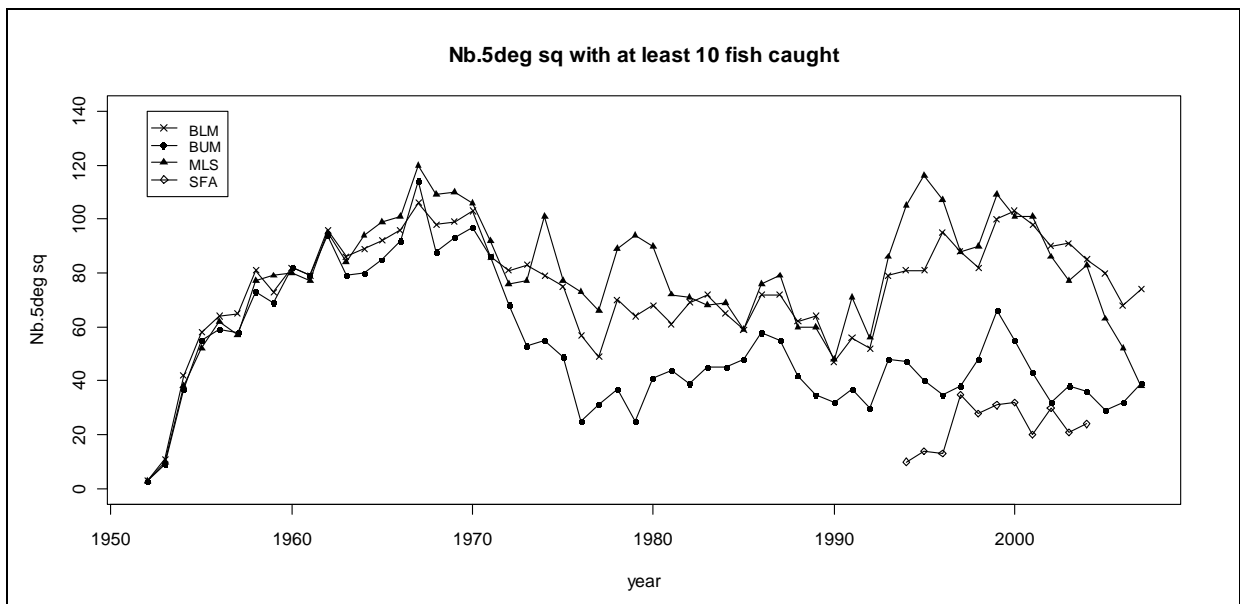


Figure 8. Nb of 5deg squares with catches marlins of at least 10 fish for all fleets

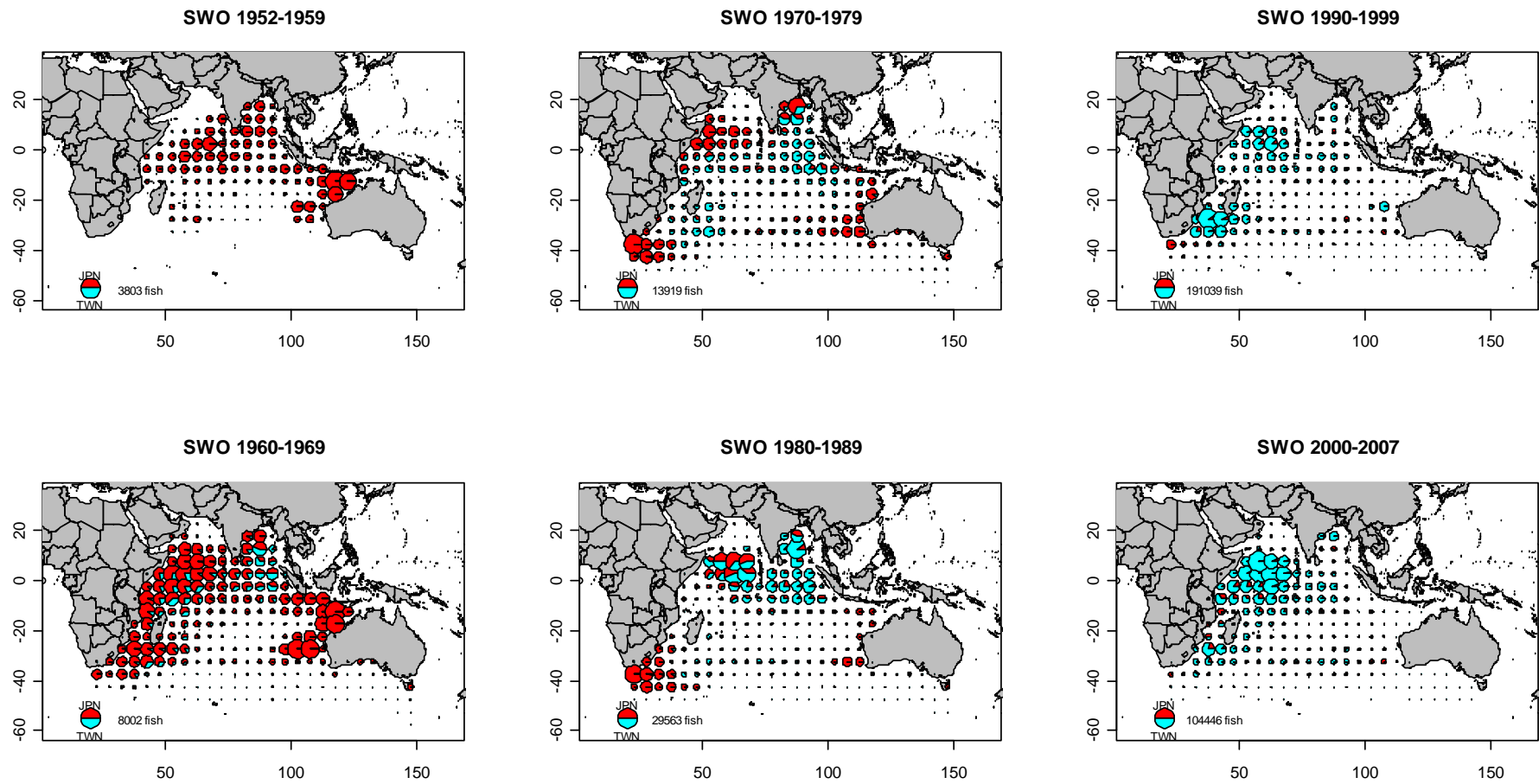


Figure 9. Total catches of swordfish (number) by LL Jpn and TwN operating in the Indian Ocean by decade over the period 1952 to 2007



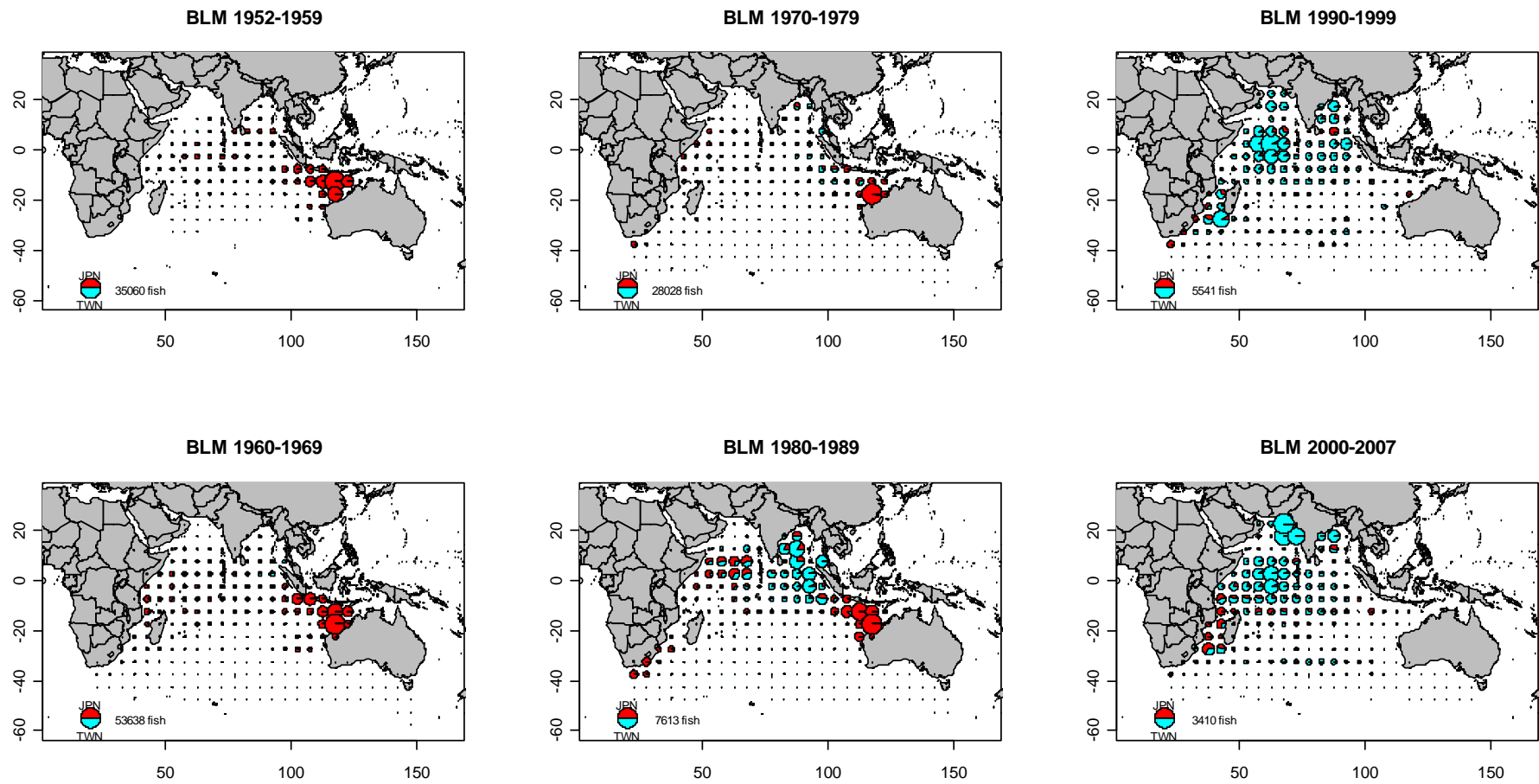


Figure 10. Total catches of black marlin (number) by LL Jpn and TwN operating in the Indian Ocean by decade over the period 1952 to 2007

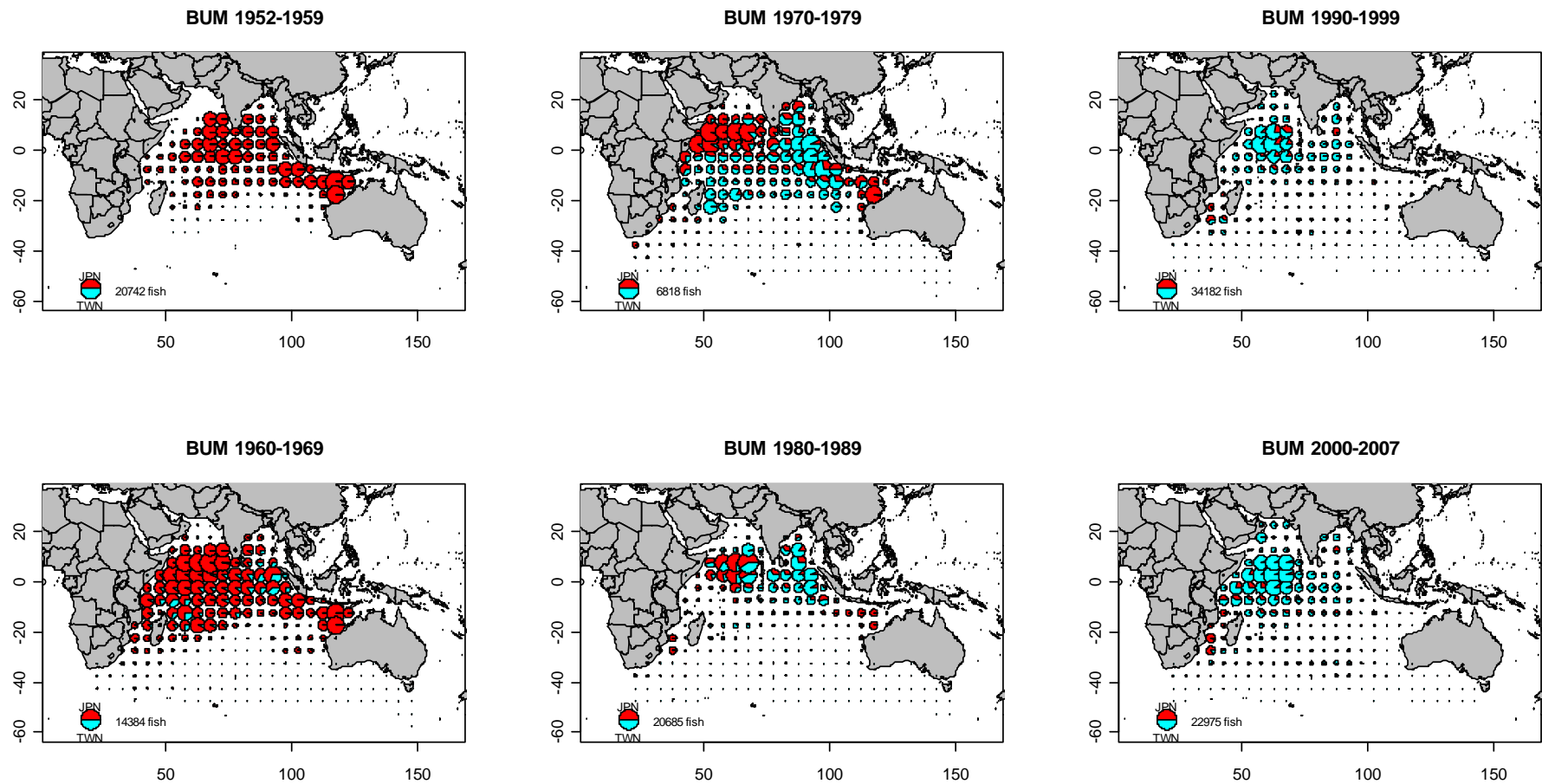


Figure 11. Total catches of blue marlin (number) by LL Jpn and Twn operating in the Indian Ocean by decade over the period 1952 to 2007

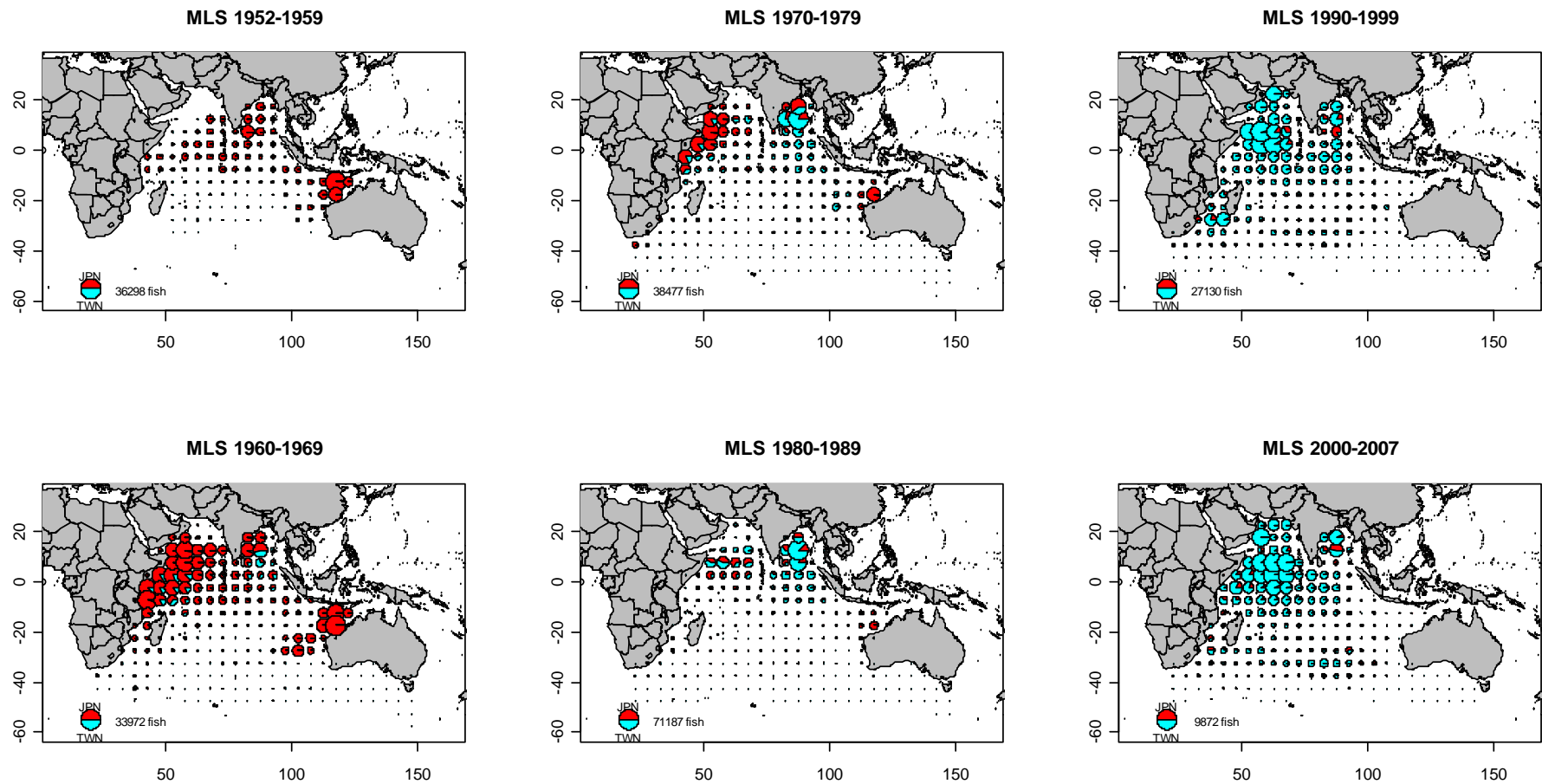


Figure 12. Total catches of striped marlin (number) by LL Jpn and TwN operating in the Indian Ocean by decade over the period 1952 to 2007

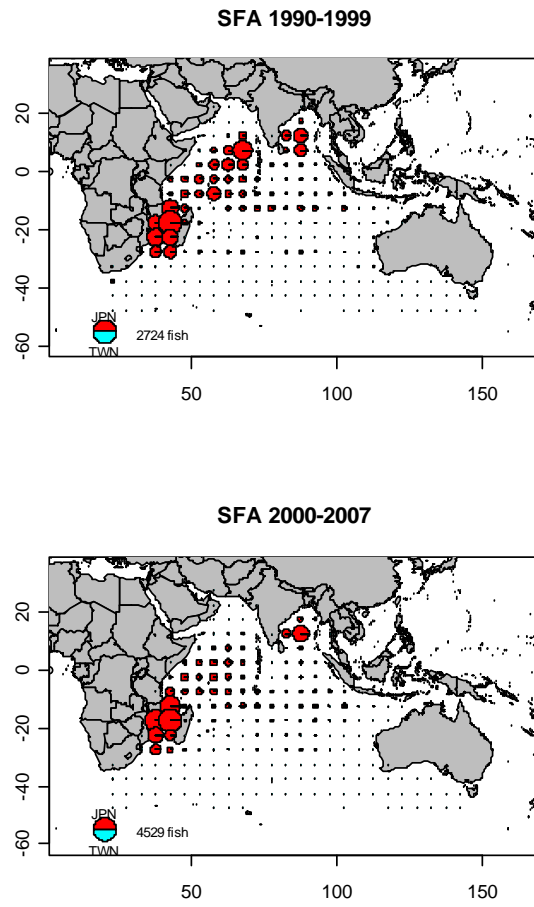
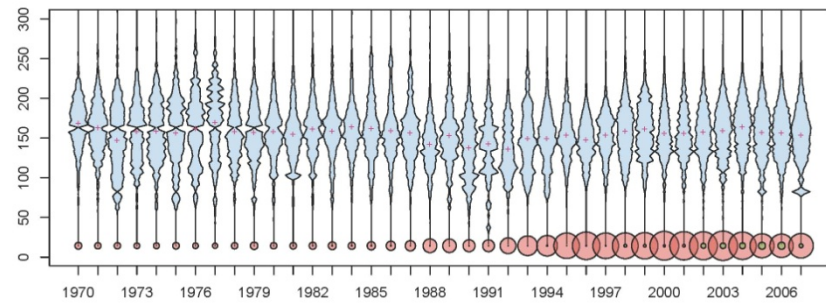
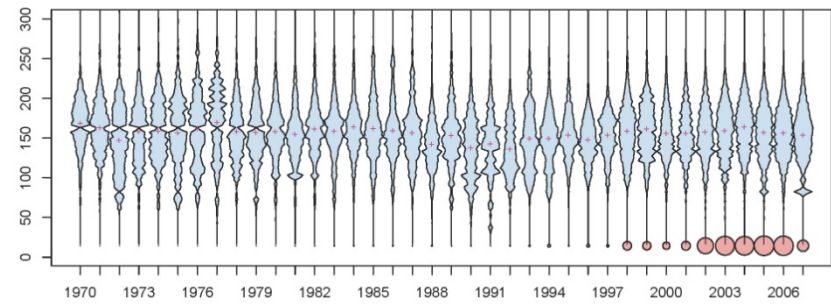


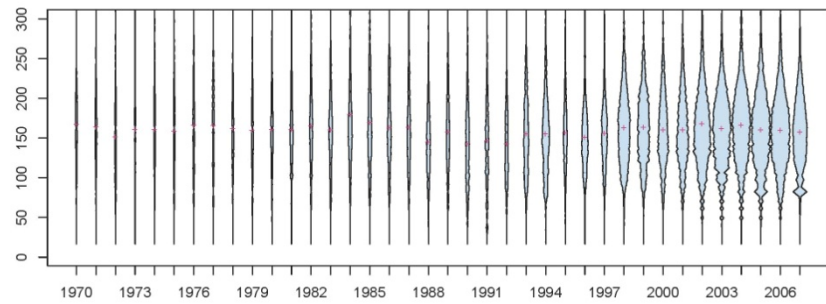
Figure 13. Total catches of sailfish (number) by LL Jpn and Twn operating in the Indian Ocean by decade over the period 1990 to 2007



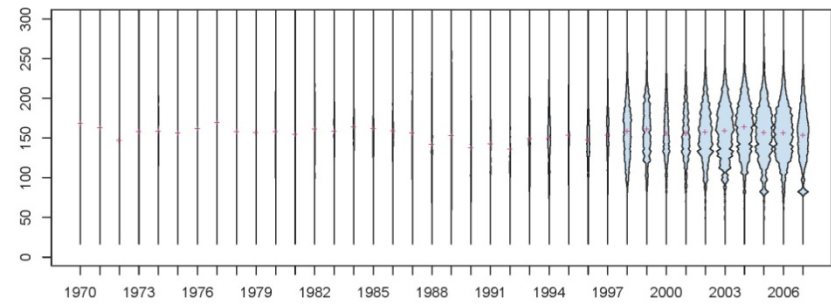
a



b



c



d

Figure 14. Size frequency distribution for Swo, all fleet combines (a. Relative distribution, red circle are catches and green are sample, b. Relative distribution, red circle are sample, c. Absolute distribution, d. absolute distribution with sq. Root transformation.