Overview of Sardine Documents

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Below lists a short overview of the sardine documents for the December 2015 MARAM International Stock Assessment Workshop.

Background documents

MARAM/IWS/DEC15/Sardine/BG2 lists the recommendations from the Panel of the 2013 and 2014 workshops that relate to the sardine two-stock model, together with responses on progress made.

MARAM/IWS/DEC15/Sardine/BG3 documents the data used in the assessment.

MARAM/IWS/DEC15/Sardine/BG4 details the previous sardine two-stock model.

MARAM/IWS/DEC15/Sardine/BG5 lists some alternative two-stock hypotheses explored last year, and is useful in understanding some recommendations in MARAM/IWS/DEC15/Sardine/BG2.

MARAM/IWS/DEC15/Sardine/BG6 compares the differences in infection of sardine by a metacercarial parasite on the west and south coasts of South Africa, influencing the move towards an alternative two-stock hypothesis from that in MARAM/IWS/DEC15/Sardine/BG4. Based on samples from commercial data between 2011 and 2012.

MARAM/IWS/DEC15/Sardine/BG7 provides an overview of the application of a multidisciplinary approach to investigating South African sardine population structure, including the use of two parasite biotags ("tetracotyle" type digenean and a coccidian Eimeria sardineae). Analyses of tetracotyle digenean parasite data from commercial (purse-seine and beach-seine [KZN]) and research (pelagic total biomass and pelagic recruit surveys) samples collected over the period 2010-2012.

MARAM/IWS/DEC15/Sardine/BG8 provides an update to BG6 using commercial data collected between 2011 and 2014.

Primary documents

MARAM/IWS/DEC15/Sardine/P1 details the revised sardine two-stock model.

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MARAM/IWS/DEC15/Sardine/P2 summarises the available parasite data from samples during the November biomass surveys and May recruit surveys.

MARAM/IWS/DEC15/Sardine/P3 shows results of initial fits using the revised sardine two-stock model.