Marine Stewardship Council (MSC):
Low Trophic Level Fisheries Workshop

1st & 2nd October 2009
Washington DC

Managing Low Trophic Level Fisheries: The South African Experience

Escapement: CCAMLR

- CCAMLR considered as the first “ecosystem” Convention
- Article II requires that the needs of dependent and related species be taken into account in setting harvest controls for a target species

Escapement: CCAMLR

- CCAMLR decision rule for setting krill catch limit:

Prob(B^{SP} < 0.2K at some stage over 20 yrs)=0.10

Median krill escapement (B^{SP}) over 20 yrs = 0.75K

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Originally stated as to be revised given improved predator-prey models

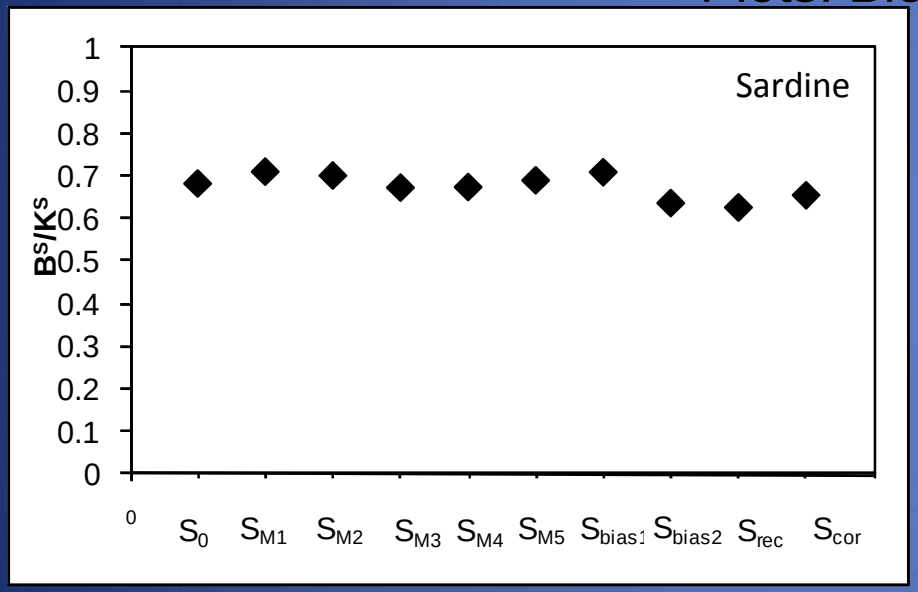
In practice unchanged after 15 years

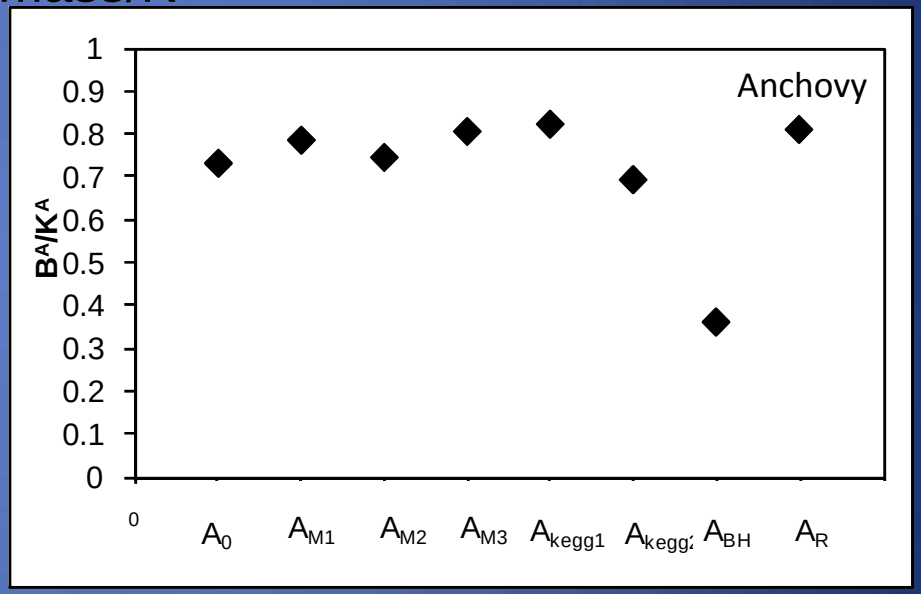
Midpoint between typical single species target taking no account of predators (0.5K) and complete protection of predators (K)

Escapement

- Current MP (OMP-08) median escapement:

Plots: Biomass/K





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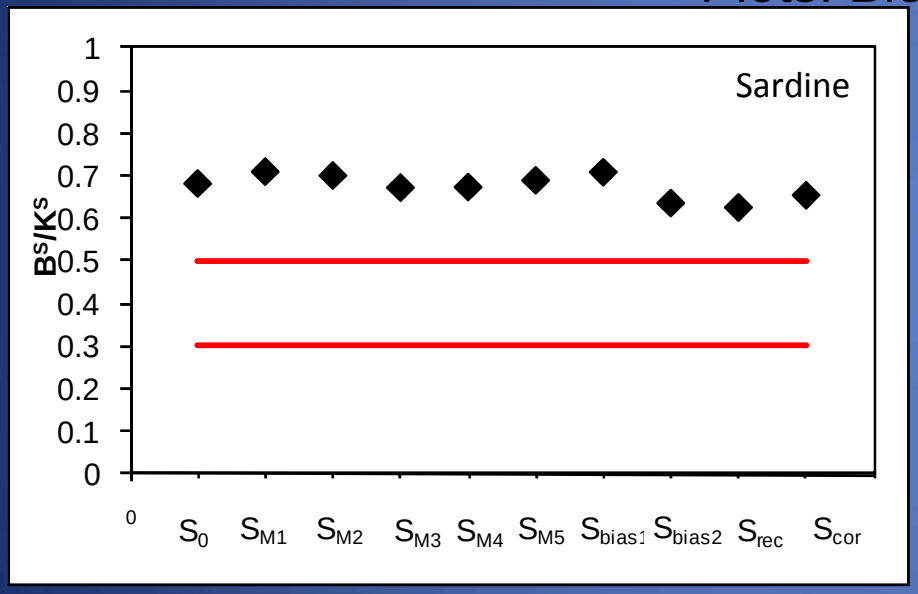

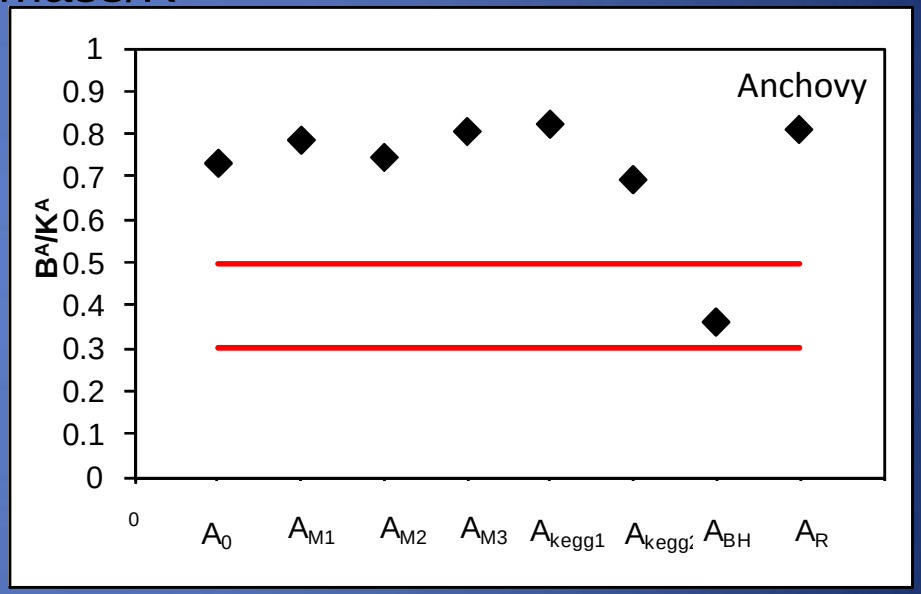

- Emergent property: we're managing at a level higher than conventional reference points of ~ **[0.3;0.5]**

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Comparable median escapements for SA sardine and anchovy

Thank You!