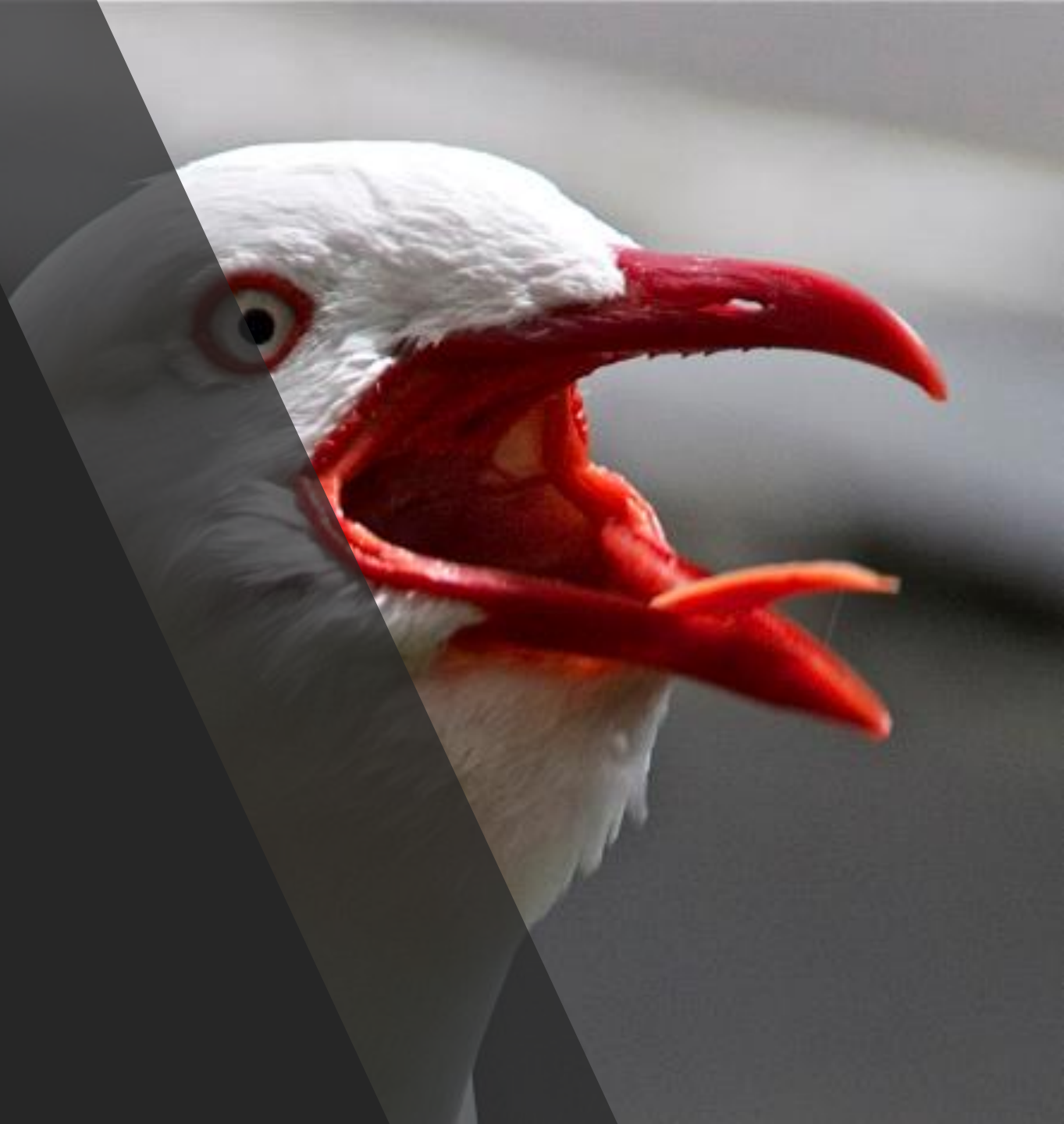


Fisheries relevant to
Buller's shearwater
and red-billed gull
prey availability in
North Eastern North
Island



Introduction & Methods

- Aim of this component of INT2016-04 was to characterise and describe the North Eastern North Island fisheries of most relevance to seabird prey availability.
- Description of process can be found in the background document provided on the meeting webpage
- Detailed bibliography also provided

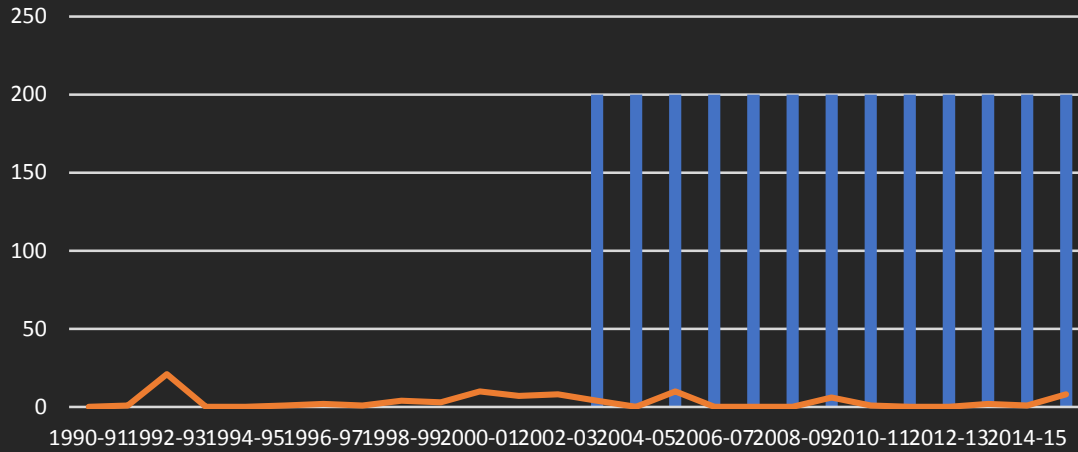
Results

- Final list consisted of 22 species with known or expected effects on food webs in other ecosystems
 - Top predators
 - Surface feeding schooling species
 - High historical or current catches
 - Large pelagic predators
 - Pelagic prey species

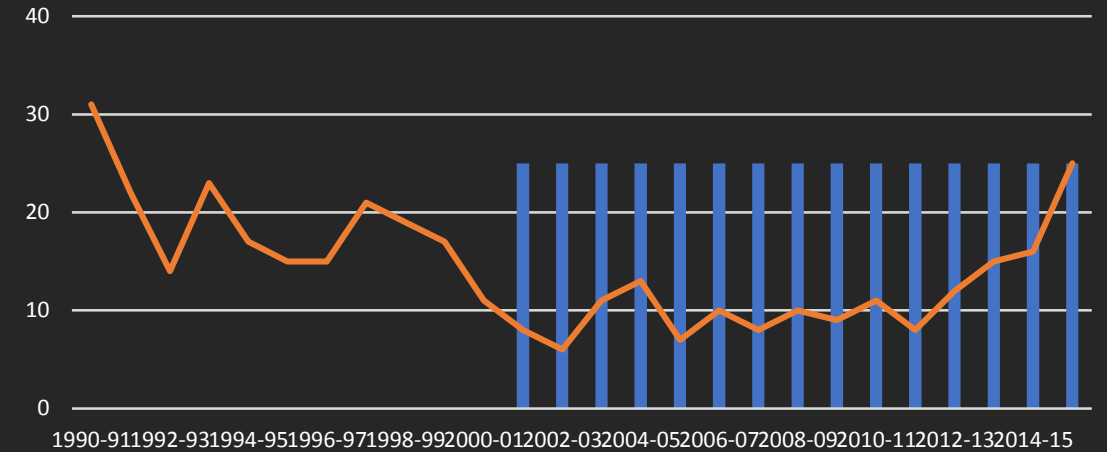
Anchovy	Barracouta	Bigeye tuna	Blue (English) mackerel
Blue shark	Garfish (Piper)	Grey mullet	Jack mackerel
Kahawai	Kingfish	Mako shark	Pacific Bluefin tuna
Pilchard	School shark	Snapper	Southern Bluefin tuna
Swordfish	Trevally	Yellow-eyed mullet	Yellowfin tuna
Albacore tuna	Skipjack tuna		

Surface feeding schooling species

Anchovy, ANC1 (FMA1)



Garfish piper, GAR1 (FMA1)



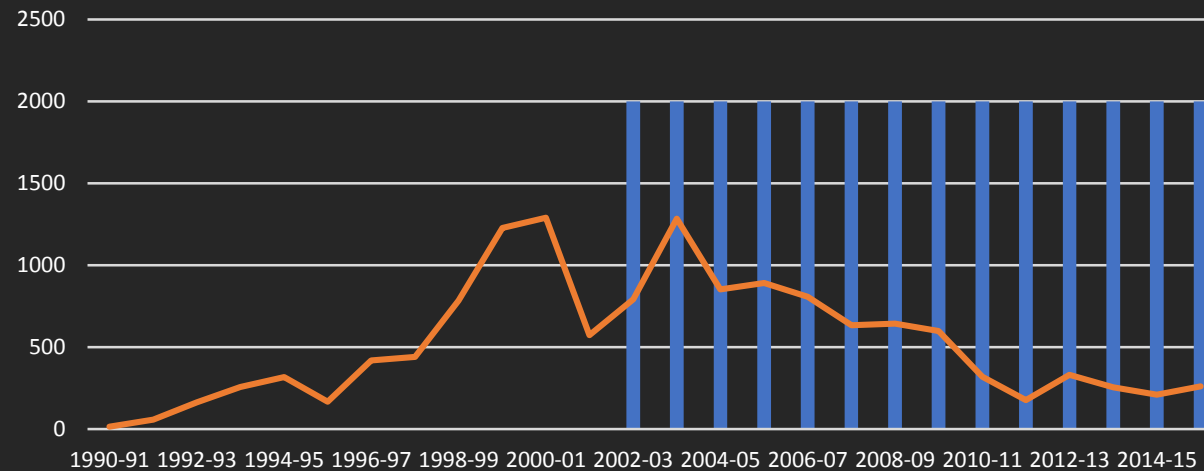
TACC

Catch

TACC

Catch

Pilchard, PIL1 (FMA1)

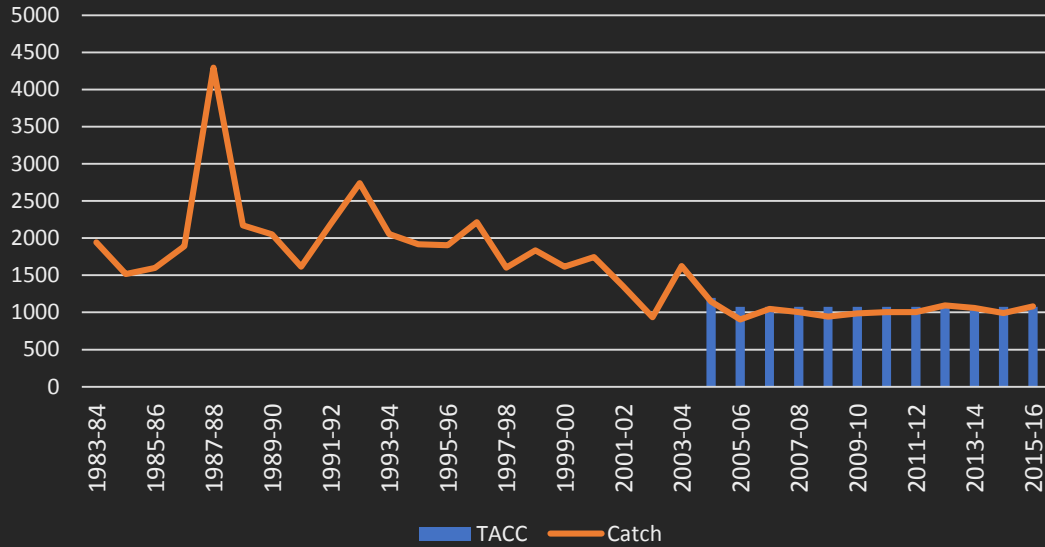


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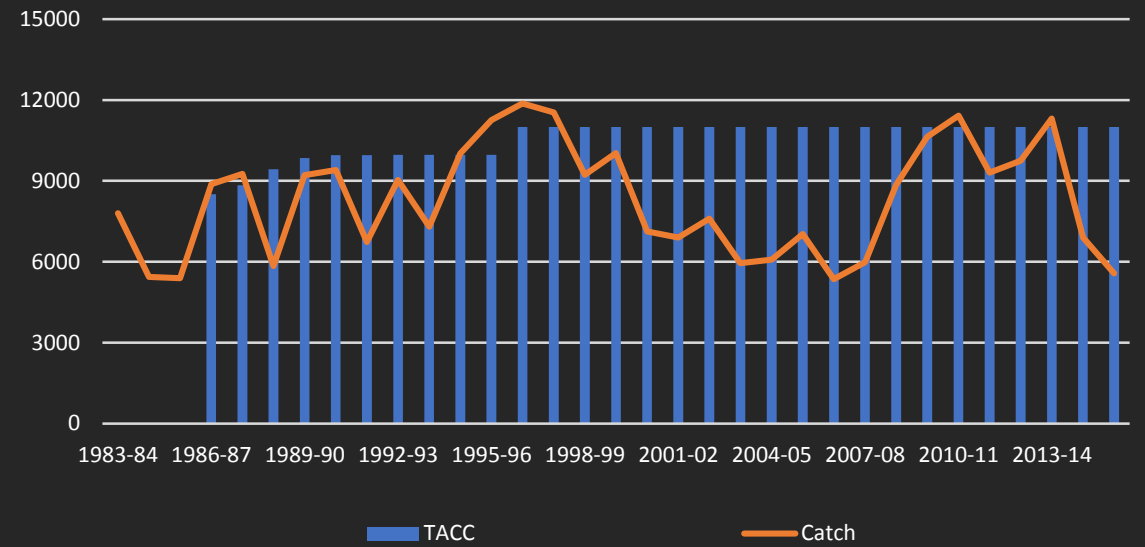
Catch

Surface feeding schooling species

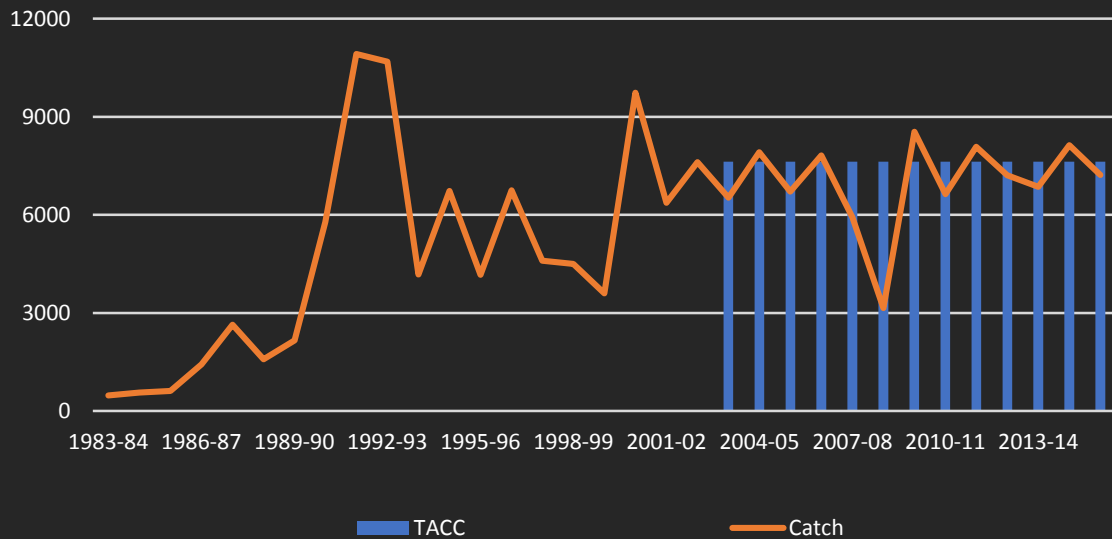
Kahawai, KAH1 (FMA1)



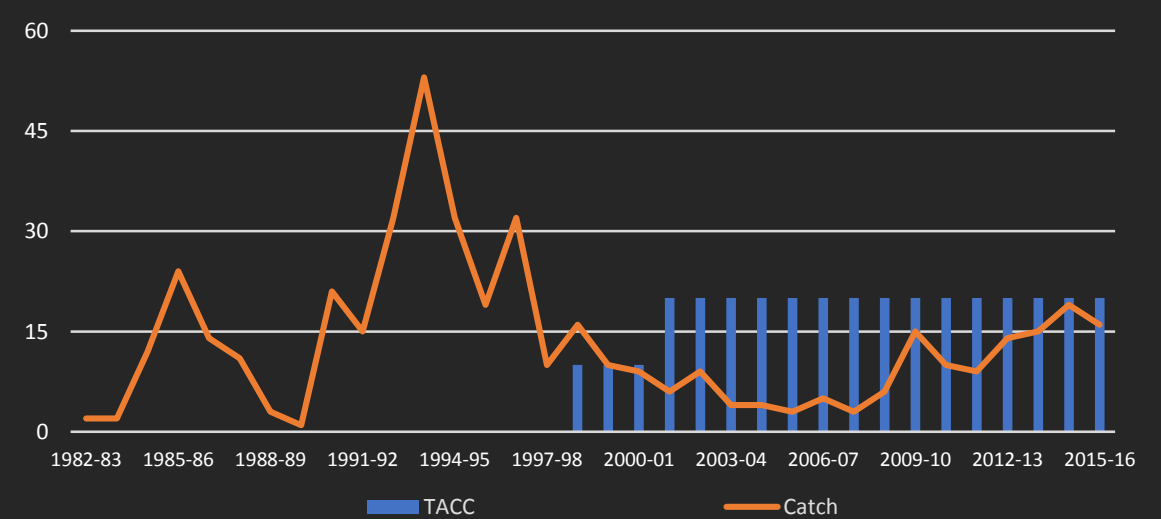
Barracouta, BAR1 (FMA 1,2,3)



Blue (English) Mackerel, EMA1 (FMA1)

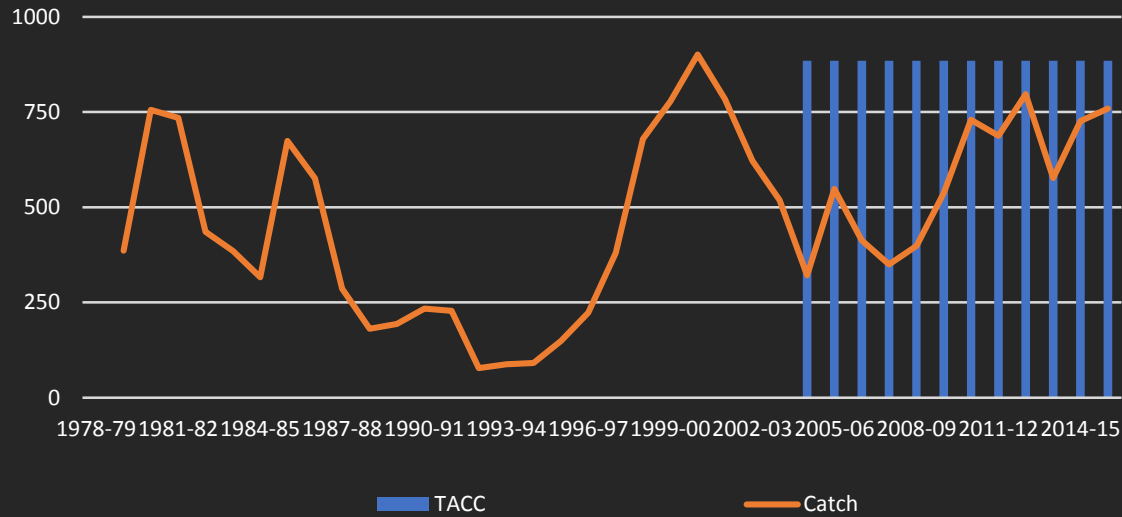


Yellow-eyed mullet, YEM1 (FMA1)

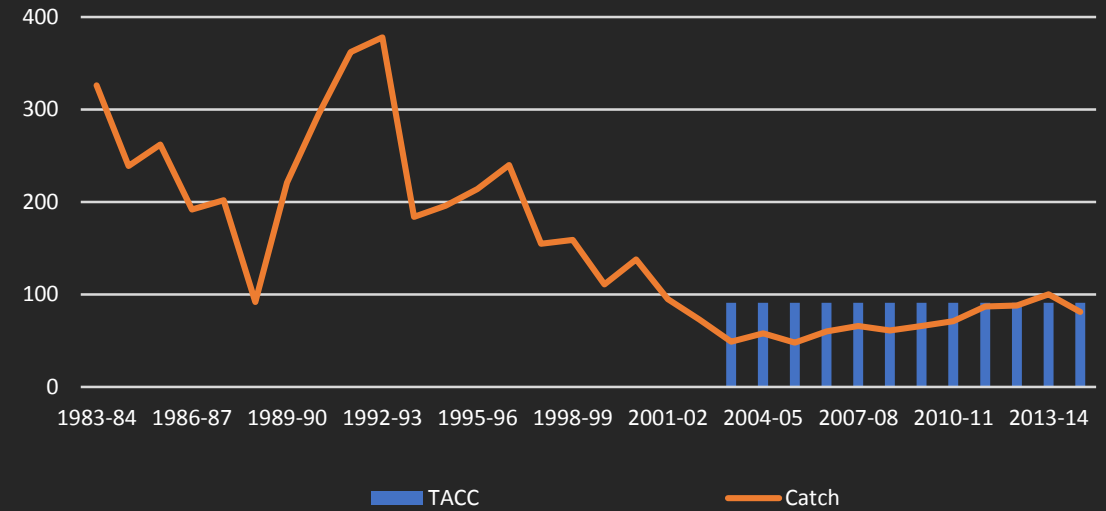


Large epipelagic & pelagic predators

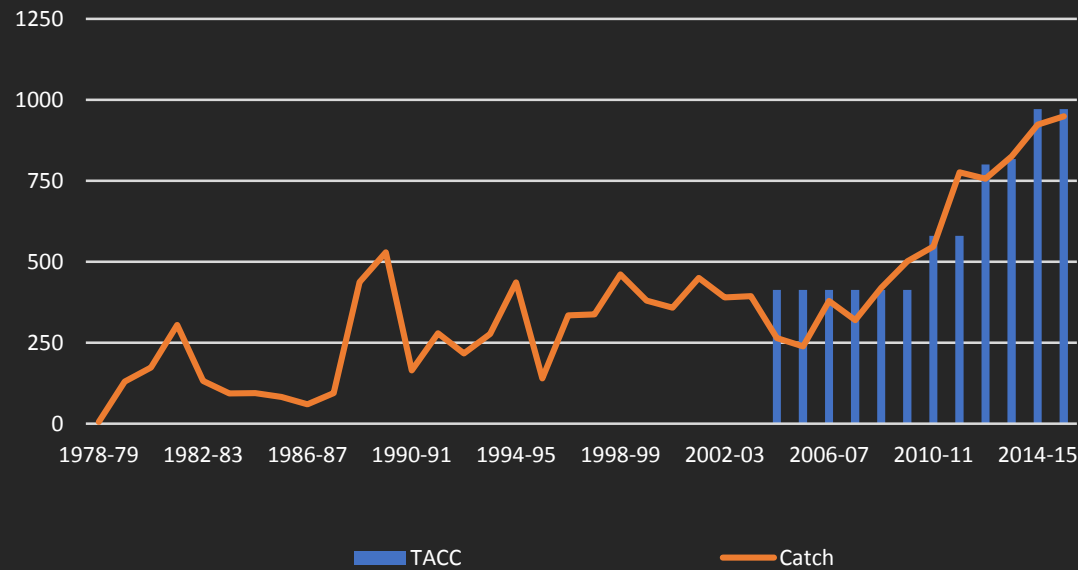
Swordfish, SWO1 (All FMAs)



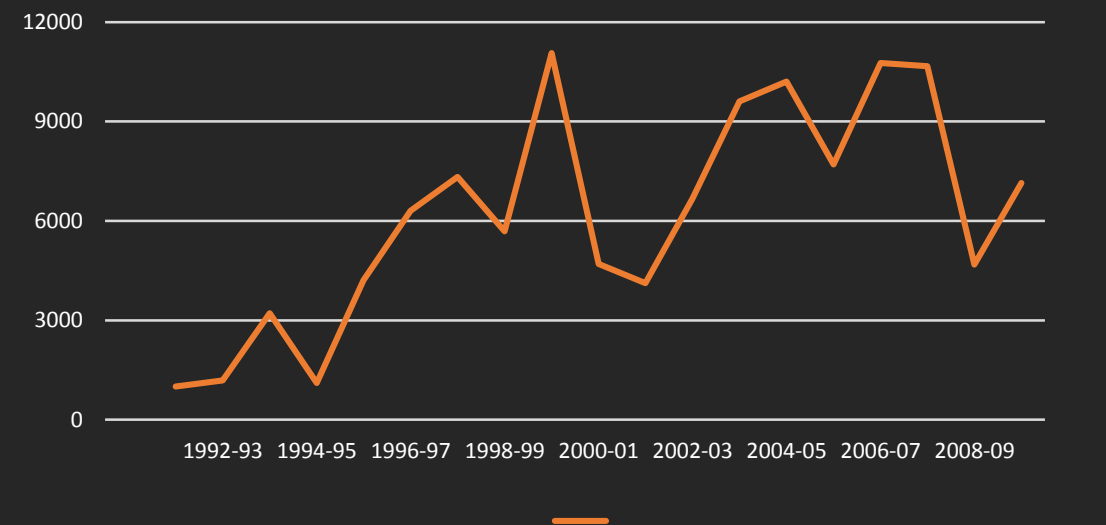
Kingfish, KIN1 (FMA1)



Southern bluefin tuna, STN1 (All FMAs)

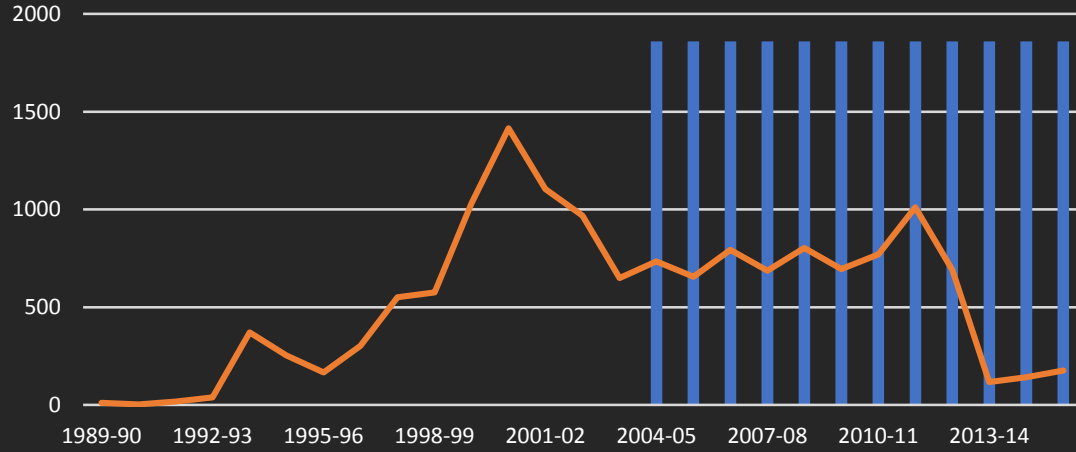


Skipjack tuna (non-ITQ)



Top predators

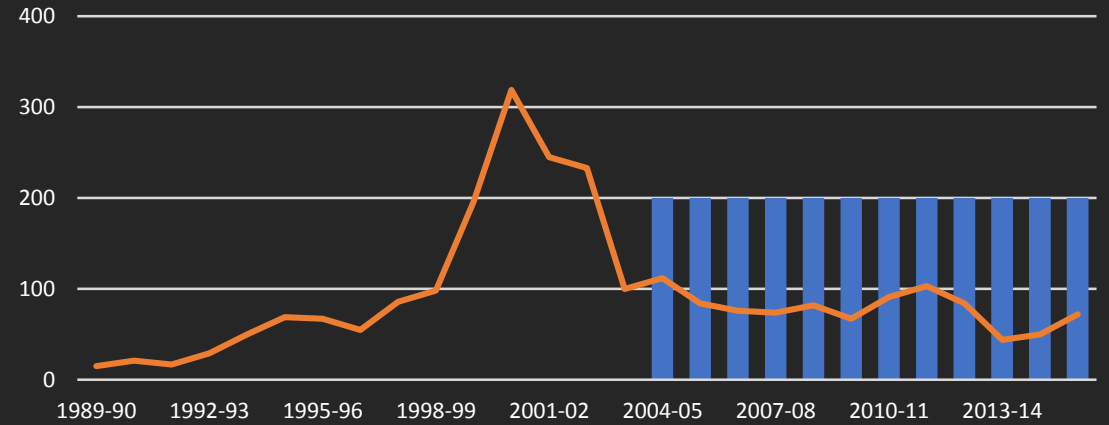
Blue shark, BWS1 (All FMAs)



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Catch

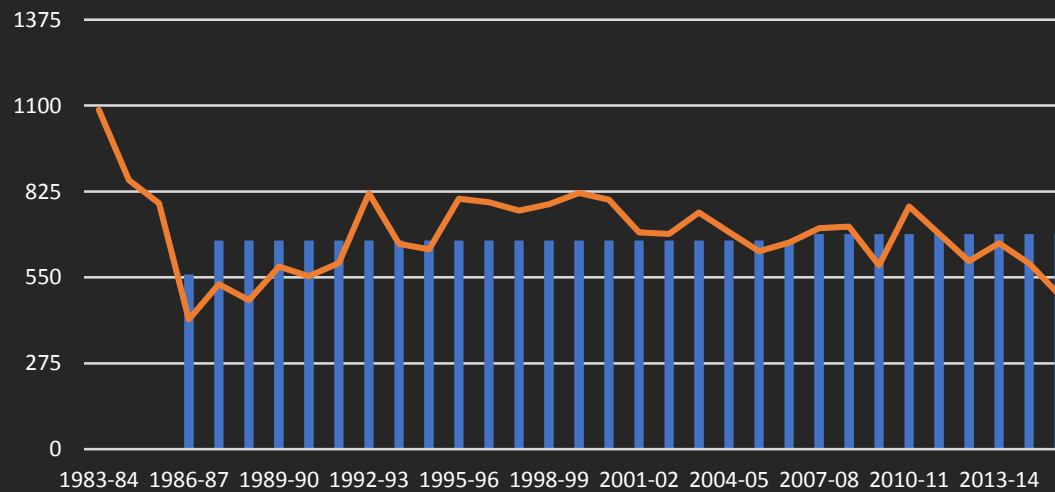
Mako shark, MAK1 (All FMAs)



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School shark, SCH1 (FMA1,9)



TACC

Catch