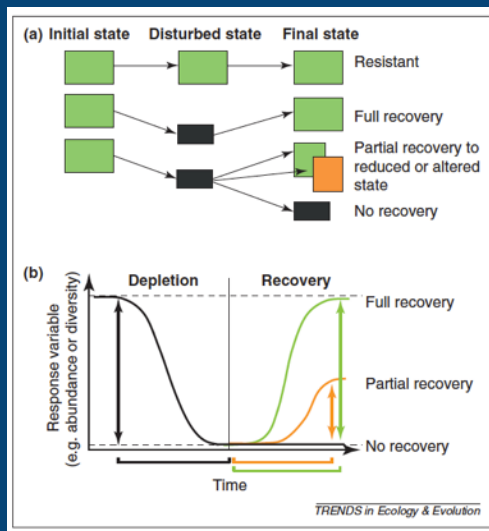
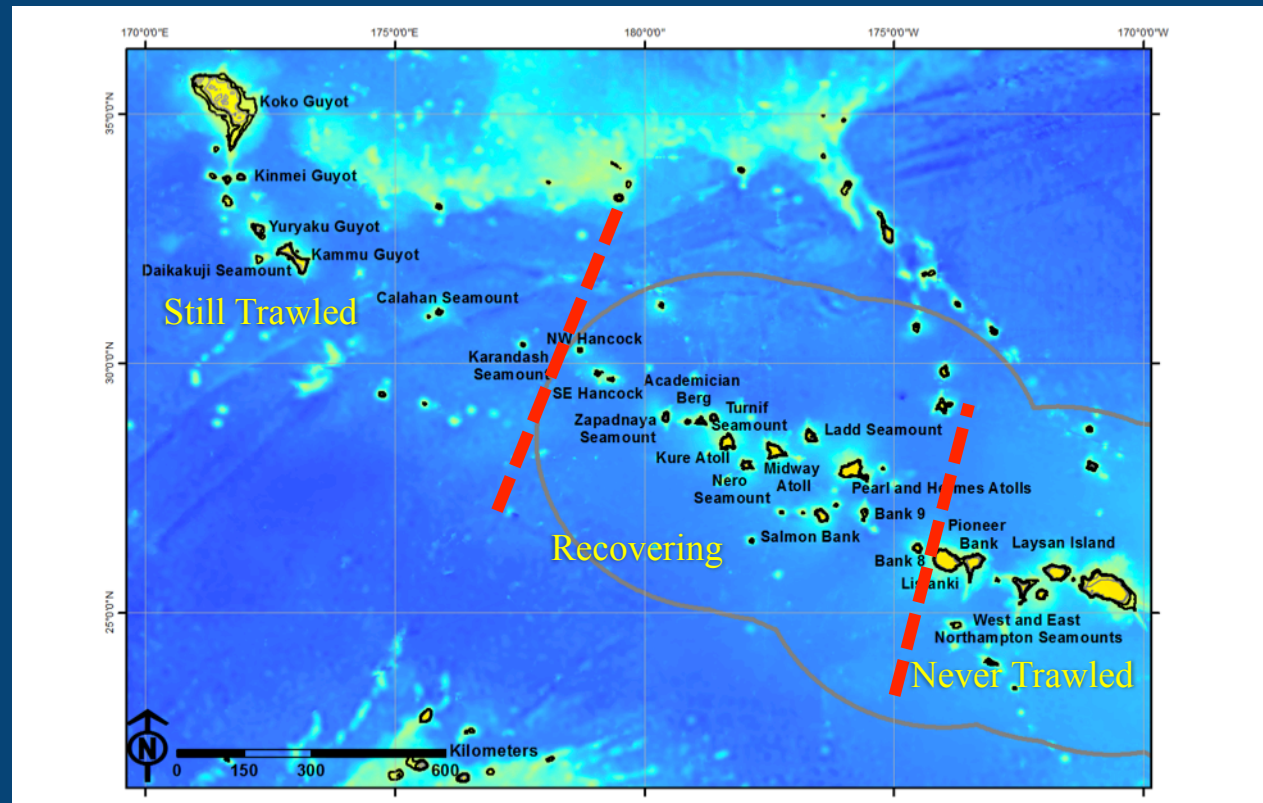


Collaborative Research: Recovery Of Seamount Precious Coral Beds From Heavy Trawling Disturbance

Amy Baco-Taylor, Florida State University,
Brendan Roark, Texas A&M University



A conceptual diagram of resilience and recovery from Lotze et al. (2011).



3 sites in each treatment type

AUV Sentry 2014 and 2015 Expeditions



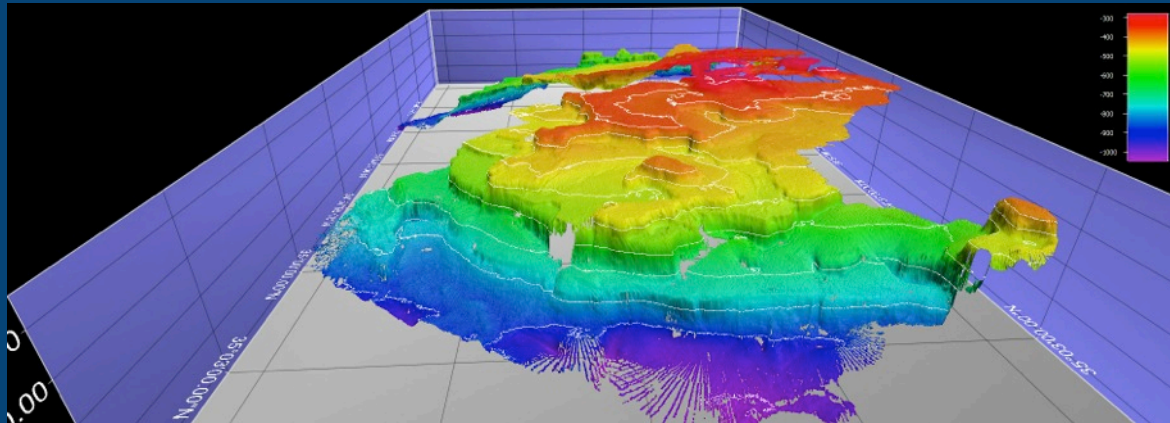
AUV Sentry photo survey along depth contours between 200-700m (50m intervals)

Maiden scientific voyage of the R.V. Sikuliaq (Nov 17 –Dec 12 2014)

R.V. Kilo Moana (Sept 24 – Nov 7 2015)

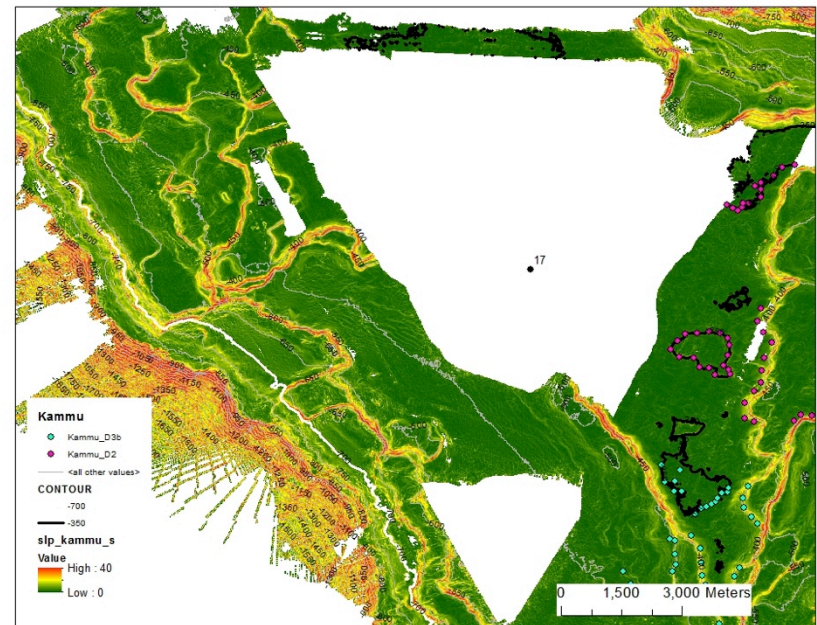
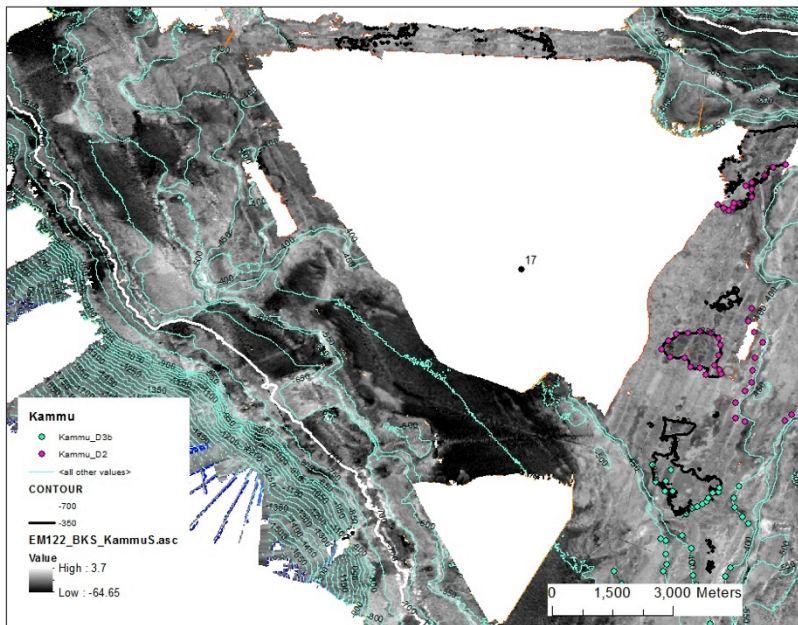
Sampling cruise (47 days) with ROV Jason in 2016

Multibeam Mapping for Dive Planning

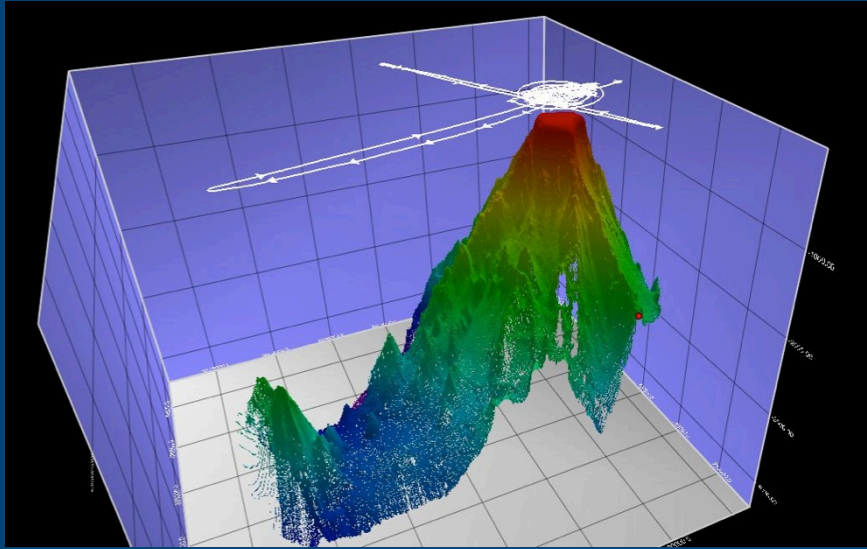


Koko Seamount

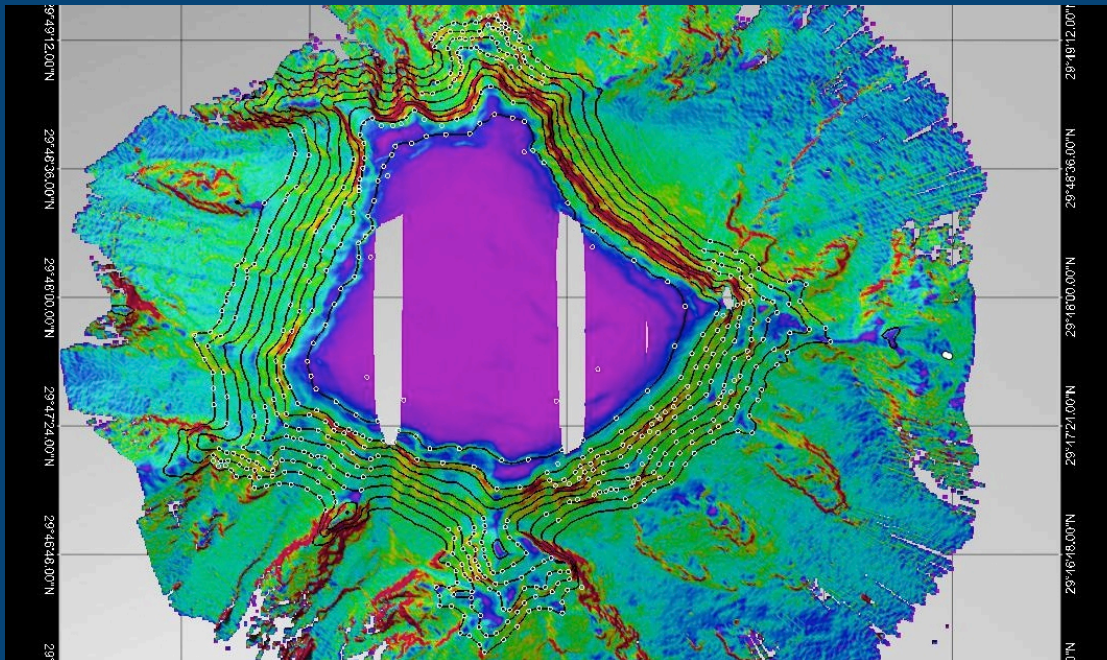
Kammu Seamount backscatter and slope maps



Diving on steep slopes – Southeast Hancock



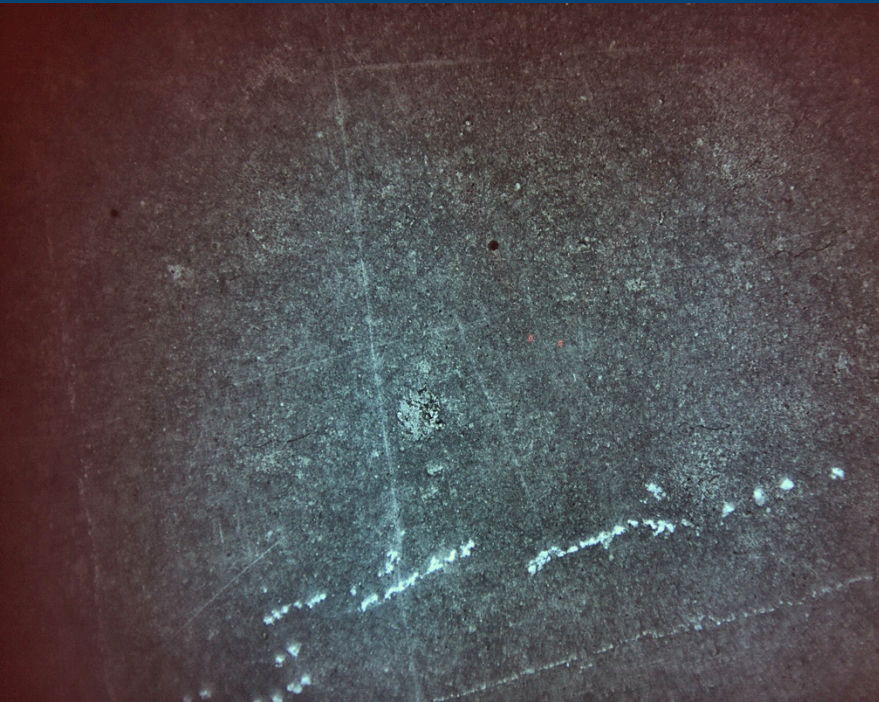
6x vertical exaggeration



40 % slopes in red
Still managed to
get to multiple
complete transects

Can Deep-Sea Coral Beds Recover after Fishing Impacts

Example photos



Fished sites with trawl marks

Never fished sites

27 AUV Sentry dives generating ~700,000 photos