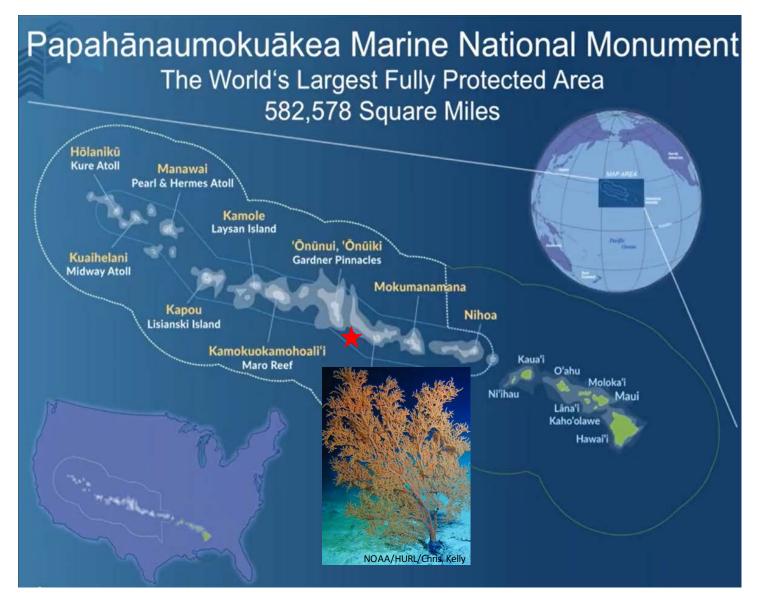


The Biocultural Importance of Corals in Hawaii

Narrissa Brown Pacific Islands Fish and Wildlife Office

Corals in Hawaii





Porites lobata



Porites compressa



Porites evermanni



Montipora capitata

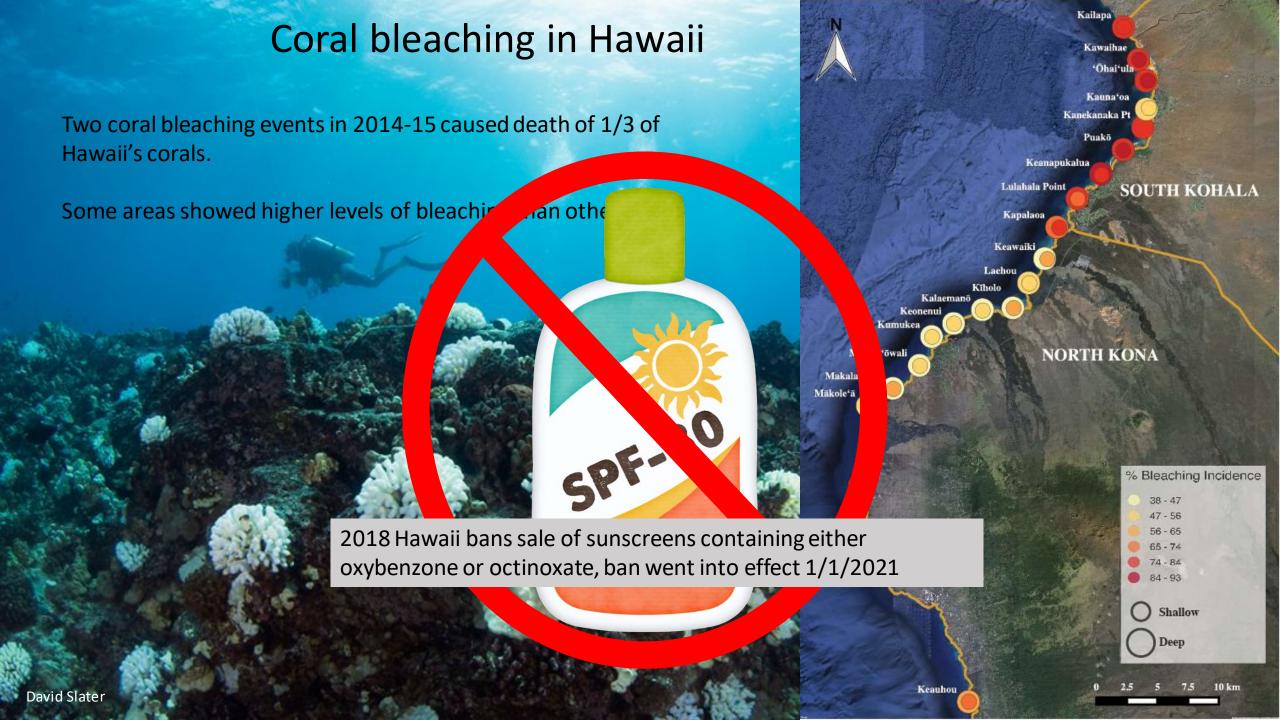


Pocillopora meandrina

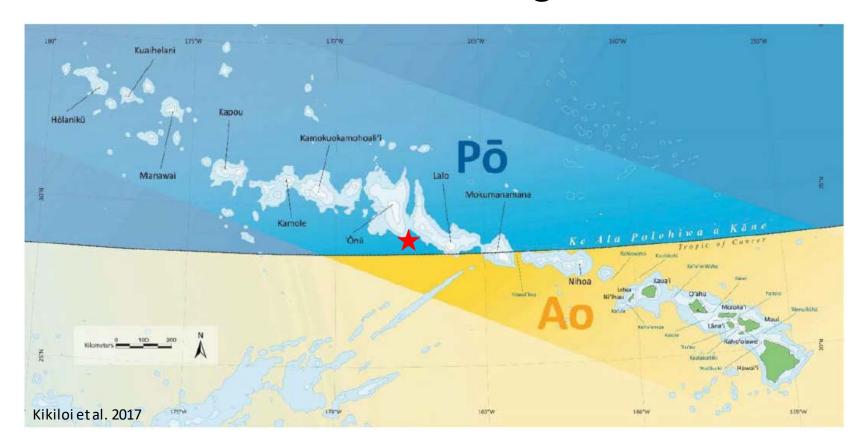


Pocillopora damicornis

Less than 80 stony coral species Slow growing (*P. lobata* ~1cm/year)



Corals are the origin of life in Hawaiian culture



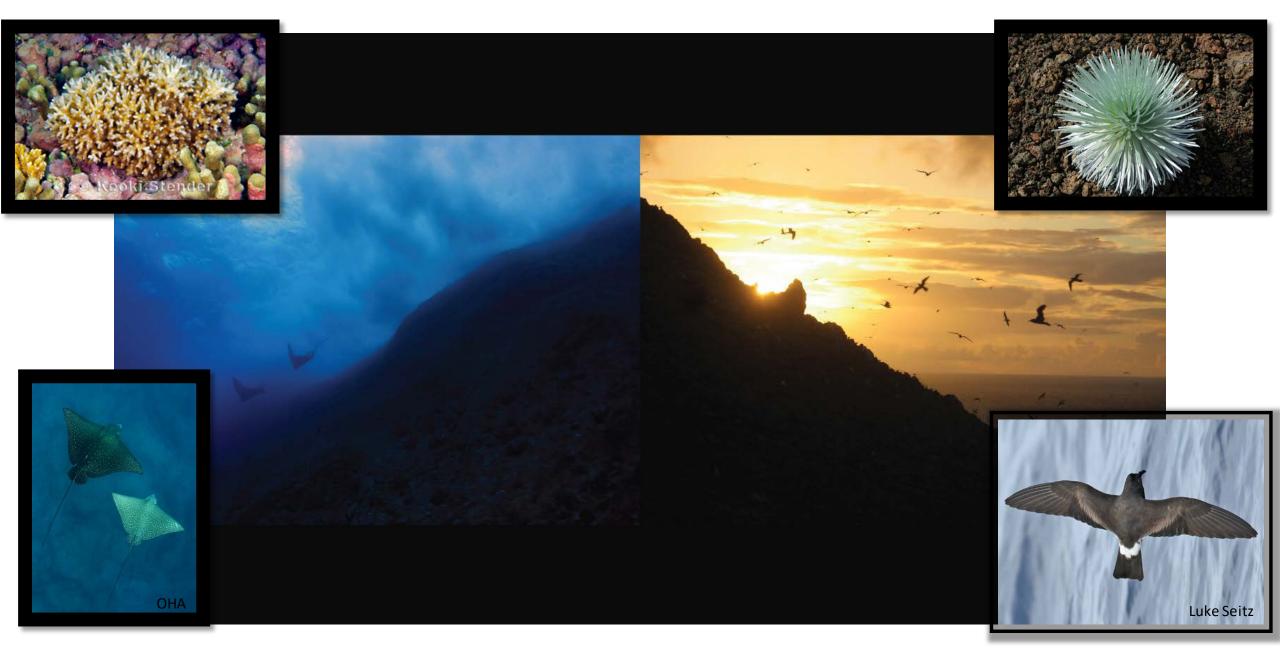


Hānau ka 'Ukuko'ako'a, hānau kana, he 'Āko'ako'a, puka"

Born was the 'Ukuko'ako'a (coral polyp/larvae), that one that gave birth to the 'Āko'ako'a (coral head), emerging"



Hawaiian duality and caring for kupuna



Economics of Tourism in Hawaii



Hawaii Tourism Industry (2019)

Source: Hawaii Tourism Authority

Visitor Spending: \$17.75 billion State Tax Revenue: \$2.07 billion

Visitor Arrivals: 10, 424, 995

Job Supported: 216,000

Hawaii's nearshore reefs valued at \$863 million per year

Storlazzi et al. 2019, USGS

Total economic value of reefs in Main Hawaiian Islands is \$33.57 billion

Bishop et al. 2011, NOAA



Covid and effects on Hawaii tourism & environment

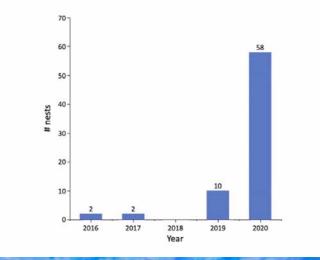


HAWAIINEWSNOW.COM

Unemployment in Hawaii tops 37% as coronavirus shutdown continues



Number of sea turtle nests on Oahu by year









Return of tourism in 2021



With the return of tourism, so comes the need for management



Kahalu'u Beach Park To Close For Coral Spawning

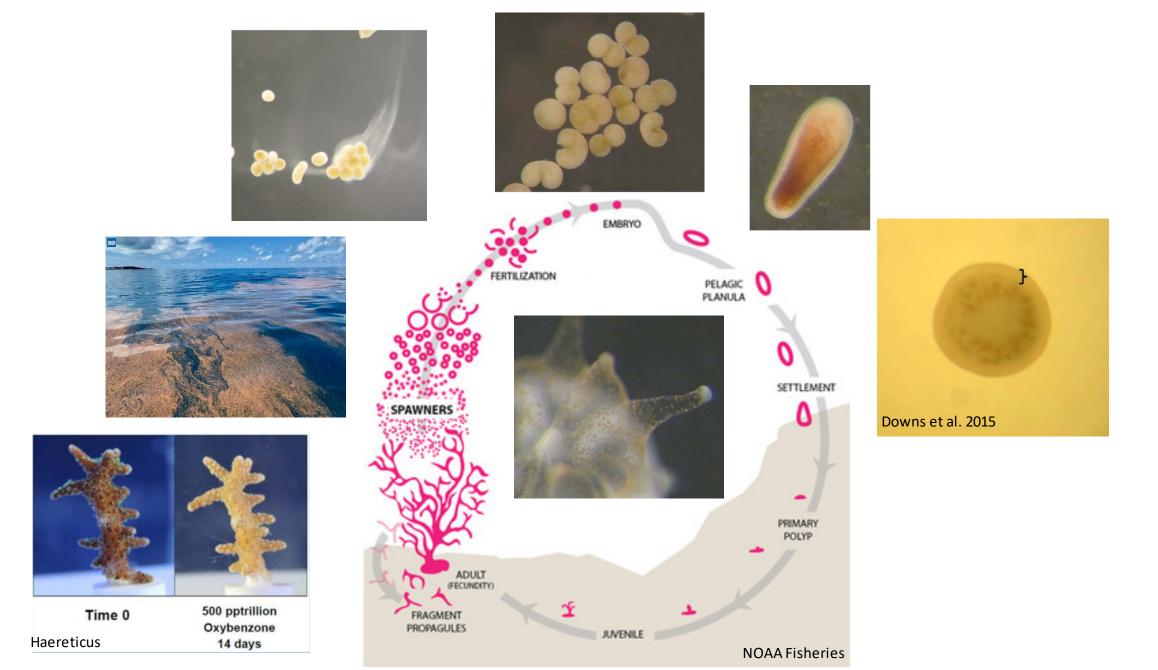






93-100% reduction in oxybenzone

Coral life stages and how sunscreens can impact each



Loss of corals could threaten other T&E species





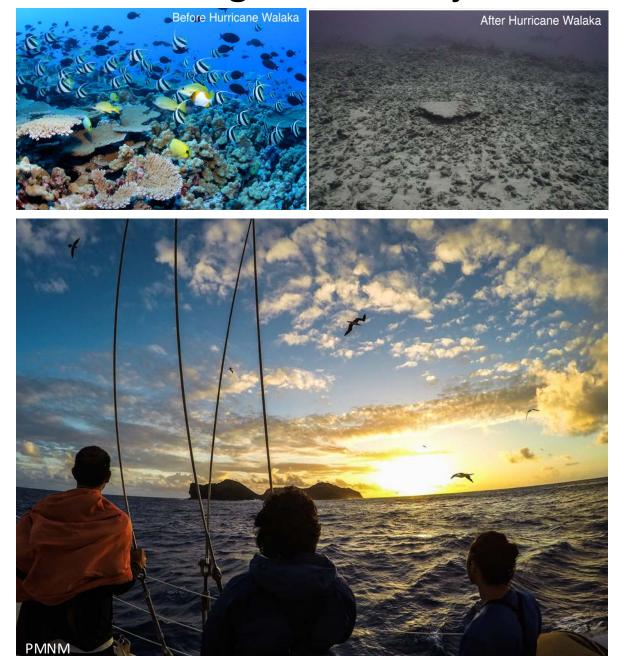








A loss greater than just corals, cultural identity, ancestors







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