



Artwork: Les Hata © Secretariat of the Pacific Community

# Blue-Green Snapper (uku)

## About:

This report card provides an update on the uku fishery from 2022 for the fishery scientists and managers in Hawai'i.

## Fisher observations:

- Fishers reported less uku targeting due to a productive 'ahi and onaga season
- Abundance of uku at select O'ahu bottomfishing spots
- Unusually large aggregation of uku late season (October) on the Penguin Banks
- Shark depredation remains an issue

## Summary findings and methods:

- Beginning in 2022, recreational or non-commercial catch was included in the annual catch limit.
- Our exploratory analyses track the non-commercial fishery against ecosystem and socioeconomic indicators.
- We ranked relevant indicators using a low, medium, and high are given based on their level of influence.
- Influence was measured using correlation and Granger Causality Test.
- Correlation coefficients measure how the indicator moves with fishery metrics (e.g., catch, participation).
- The Granger Causality Test gauges the predictive power each indicator's lagged values has on fishery metrics.
- These ecosystem indicators track the interconnectivity of the uku fishery with other fisheries, both pelagic and archipelagic in a cross fishery dependence analysis.