

PIFSC Bottomfish Research Program

Bottomfish Fishery Independent Survey

Gear Calibration and Feasibility Study

NOAA Fisheries, PIFSC

Bottomfish Research Program

Goals


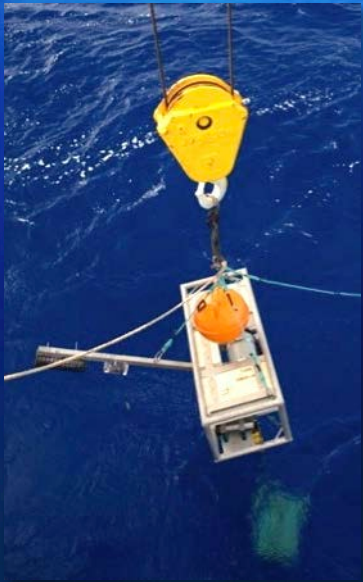
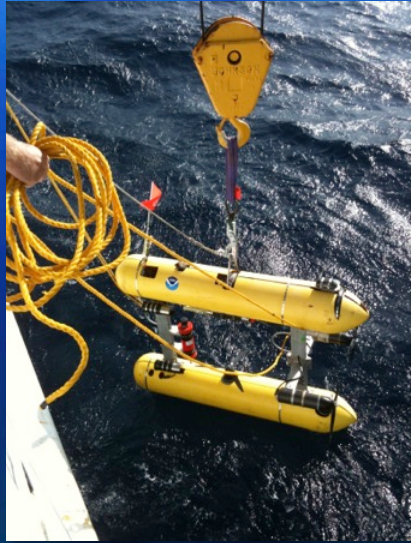

- **Provide timely estimates of bottomfish stock status based on best available scientific information**
- **Advance bottomfish research through scientific partnerships**
- **To the extent possible include relevant stakeholders (Cooperative Research)**

Gear Calibration and Feasibility Study

- Implementation of a pilot fishery-independent survey using advanced sampling technologies for deep slope species (snappers & in waters around Oahu, Maui, Hawaii and Guam.
- Expand State of Hawaii Bottomfish tagging program and Implement a Bottomfish tagging program in CNMI (Guam and Saipan)
- Expand fishery-dependent sampling of bottomfish throughout the MHI
- Provide Education and Outreach



“Advanced” Fishery-Independent Sampling Technologies

Research Fishing	BotCam	SeaBed AUV	EK60
			
Hook/Line	Optical (Stereo Video)	Optical (Stereo Video)	Acoustic
Roving	Stationary	Roving	Roving
Baited	Baited/Un-Baited	Un-baited	Un-baited
30 min	15 - 45 min	2 hr	continuous

Sampling Domain

- Maui Triangle
- Stratification
 - Hardness
 - Hard
 - Soft
 - Slope
 - High
 - Low
 - Depth
 - 100-200 m
 - 200-300 m
 - 300-400 m

