



PAPAHĀNAUMOKUĀKEA  
Marine National Monument

*A World Heritage Site*

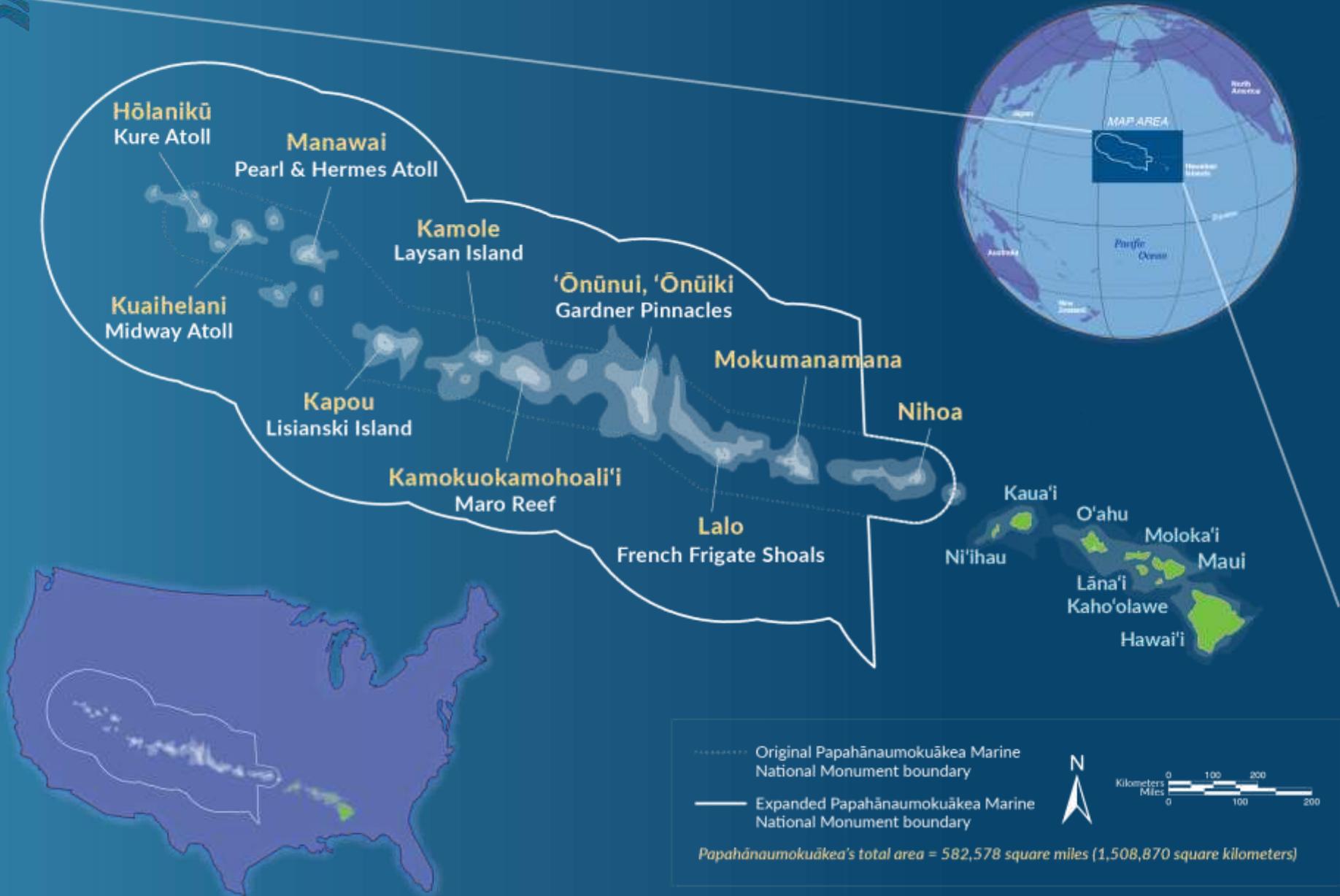
# The Evolution of Protection in Papahānaumokuākea Marine National Monument

Reserve Advisory Council  
Honolulu, Hawaii  
October 10, 2019

Presented by: Eric Roberts

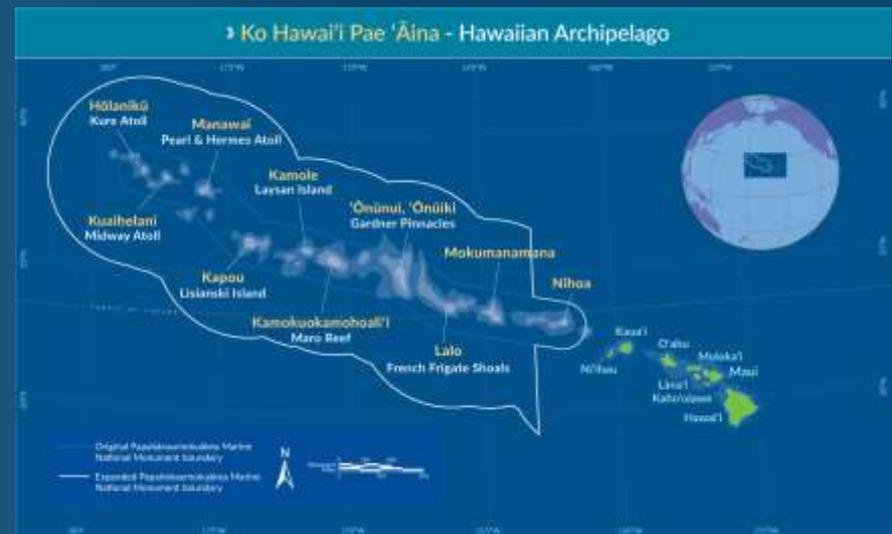


# Size, Scale, Location



# An Evolution of Protection through Enforcement

- 2006 – Science-based enforcement
- 2007 – Surveillance flights
- 2008 – MDA Section
- 2011 – WCPFC VMS outside U.S. EEZ
- 2013 – WCPFC VMS within U.S. EEZ
- 2016 – AIS carriage requirements



# Traditional Operational Presence

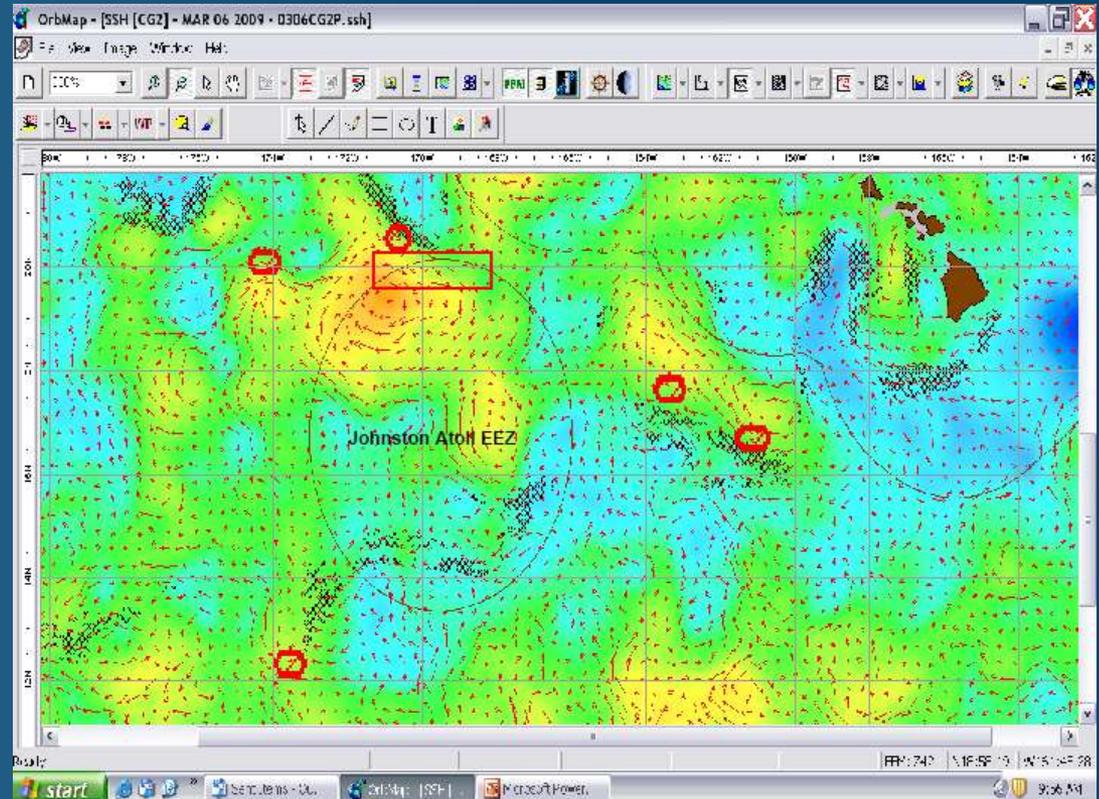
(prior to 2008)



- Long-range surveillance aircraft
- Sensory package for detection and documentation
- Incredibly expensive to operate - over \$12,000 p/hr
- Ability to cover entire monument required blue-water flights with minimal sightings

# A Model for Predictive LMR Intelligence (2006)

- Satellite-based oceanographic monitoring
- Fishing data analyses tools
- Industry comparable capabilities



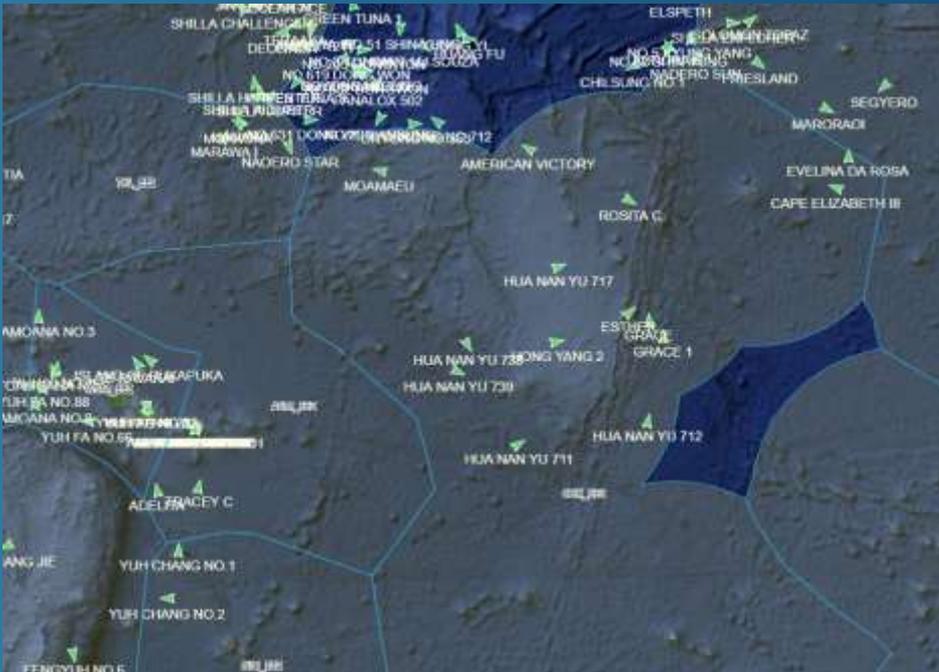
# Expanded Maritime Domain Awareness

(2008)

- 2008 – New MDA Section
- Monitors all-source vessel monitoring systems
- Investigates vessel history and prior violations
- Provides targeting packages to operational units



# Expanded Vessel Monitoring Capabilities (2011-2013)



- 2011 – WCPFC authorized 100 mile VMS buffer
- 2013 – WCPFC authorized VMS for coastal-State EEZs
- Provided visibility out 300 nm for a fleet of over 3,000 foreign fishing vessels

# Increased AIS Carriage Requirements (2016)

- Prior coverage of vessels 300 gross tons and above
- Expanded to include vessels 65 feet and greater
- Covers majority of commercial and distant water fishing vessels in region





# Mahalo

Papahānaumokuākea Marine National Monument  
*Where Nature and Culture are One*

The logo for Papahānaumokuākea Marine National Monument features a stylized blue wave icon above the text. The text is arranged in three lines: the top line is the name in Hawaiian, the middle line is the name in English, and the bottom line is the full name in English.

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