



Hawaiian Monk Seals 2017 Review

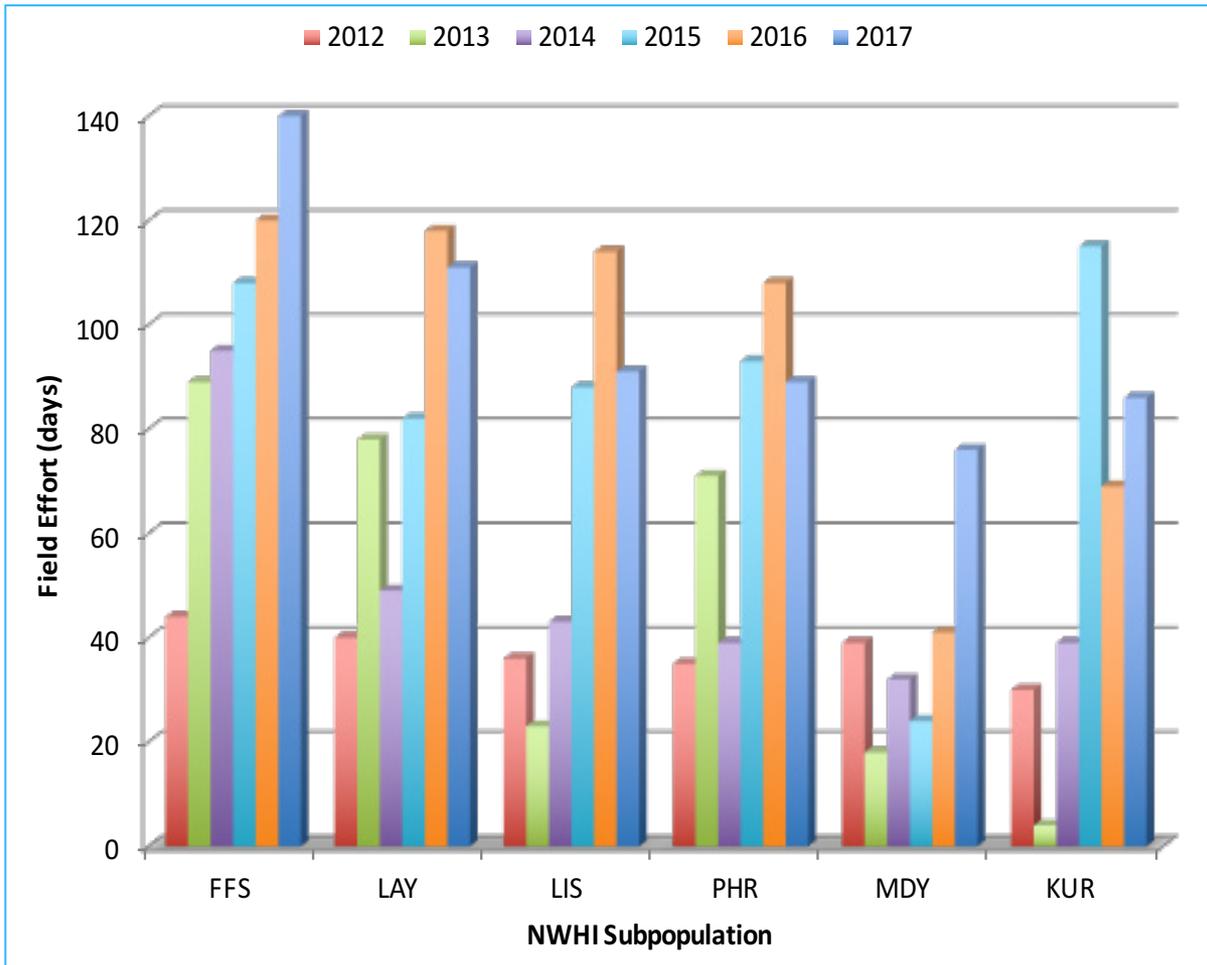


Stacie Robinson, PhD
Research Ecologist
Acting HMSRP Lead



Hawaiian Monk Seals 2017 Review

Field Effort

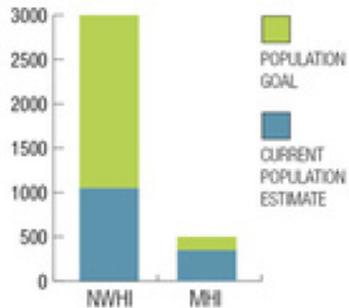




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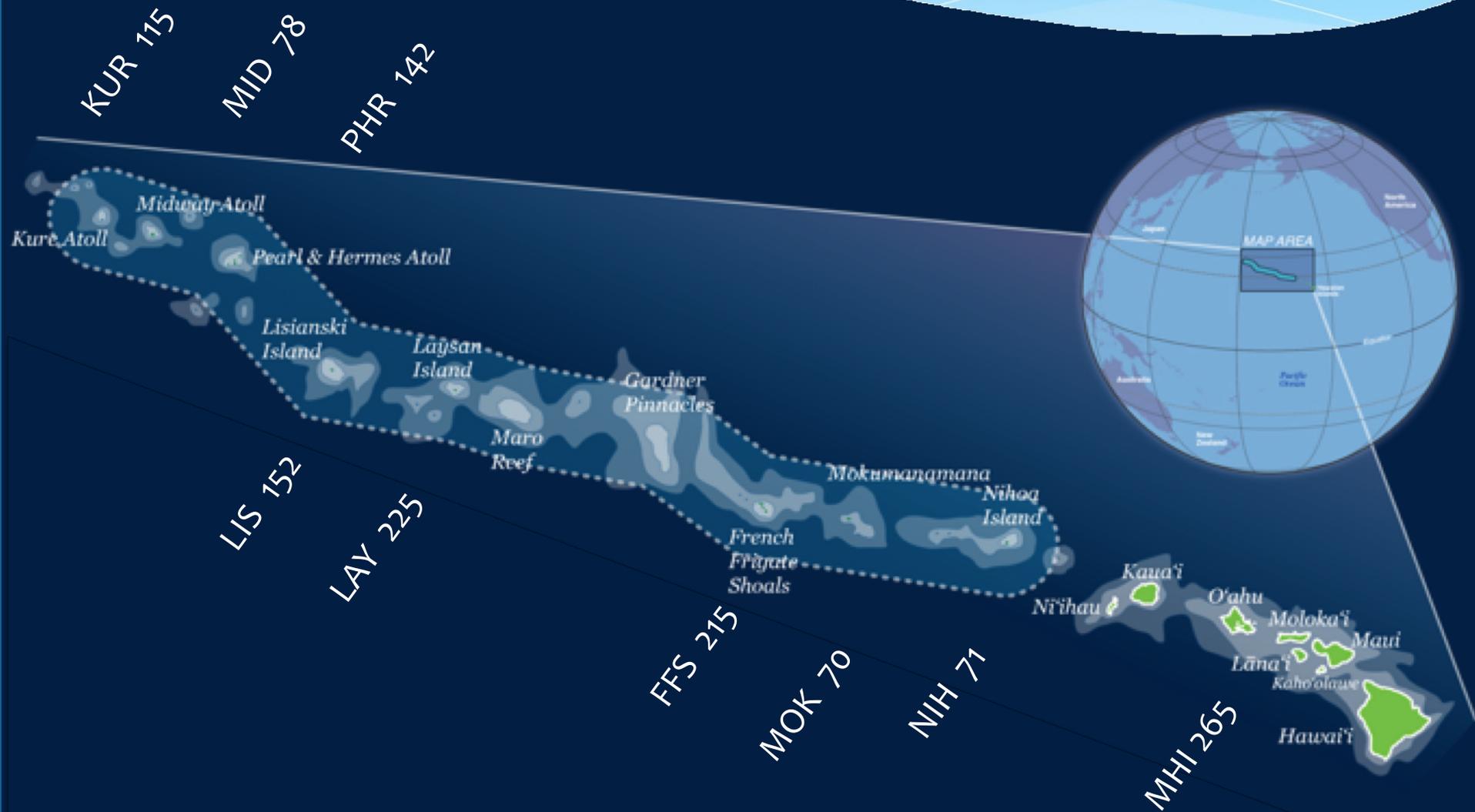
2017 Population Update

POPULATION TRENDS





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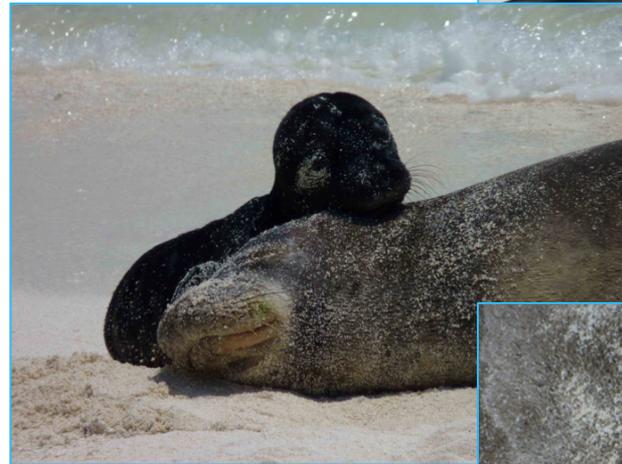




Hawaiian Monk Seals 2017 Review

71 NWHI Interventions

- 28 FFS pups translocated from shark areas
- 6 FFS pups rescued from high waves
- 9 released from debris
- haze aggressive males
- antibiotics for wounds



22 MHI Interventions

- 9 seals dehooked
- health interventions
- translocations





Hawaiian Monk Seals 2017 Review

Marine Debris Removal

- Removal & accumulation study





Hawaiian Monk Seals 2017 Review

Vaccination Effort

- Morbillivirus vaccination
- 376 seals vaccinated NWHI
- Near herd immunity
 - Lisianski
 - Midway
 - Kures





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Shark Mitigation at FFS

- 42 pups born
- 6 disappearances due to sharks
- 4 pups injured by sharks

- Shark fishing effort low
Trig Island >75% awash
- 51.5 hr from shore
- 10 hr by boat
- 1 shark removed





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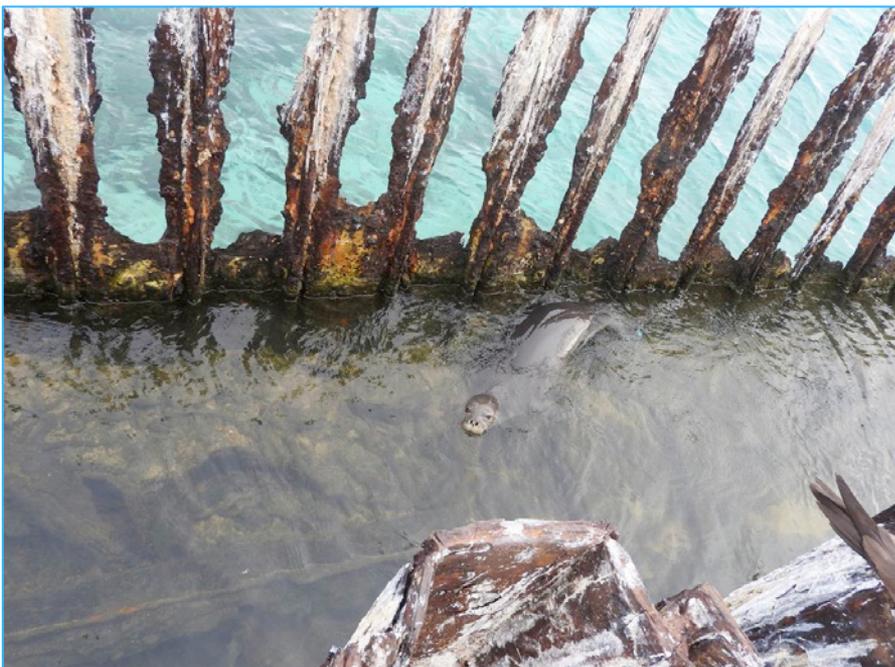
Ke Kai Ola Rehabilitations

- 4 2016 rehabs released in 2017
- 3 seals rehabbed 2017





Hawaiian Monk Seals 2017 Review



Partnering with FWS to mitigate risks related to Tern Island infrastructure.





Hawaiian Monk Seals 2018 Preview





Hawaiian Monk Seals 2018 Preview

2018 Field Camp Plans

- Tern Island spring camp - Feb
- Deployment April 15
- Pick up Aug 5
- Tern Island fall camp - Oct





Hawaiian Monk Seals 2018 Preview

Tern Island Spring Camp

- Rat bating
no rats
- Entrapment mitigation
7 albatross rescues





Hawaiian Monk Seals 2018 Preview

2018 Research & Recovery Activities

- Population assessment
- Individual marking
- Interventions
- Debris removal
- Assess rehab candidates





Hawaiian Monk Seals 2018 Preview

2018 Special Projects

- Foraging Ecology
 - Focus on juveniles
 - Track diving and foraging
 - Novel instruments

- Unmanned Aerial Systems
 - Beach surveys
 - Disturbance study
 - photogrammetry



MAHALO

