STATE OF THE AGA

Findings From RABEP's Recent and Ongoing Monitoring Efforts

Henry Fandel, Sarah Faegre, Renee Ha, Dylan Hubl, and Andria Kroner

RABEP Aga Project Goals

- Track population trends
- Monitor nesting efforts
- Identify causes of mortality
- Assist with SDZG egg/nestling collections
- Monitor release birds
- Perform public outreach



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Outreach



Rota Agricultural Fair 2015



Classroom Outreach 2017



Elementary School Science Fair

Outreach



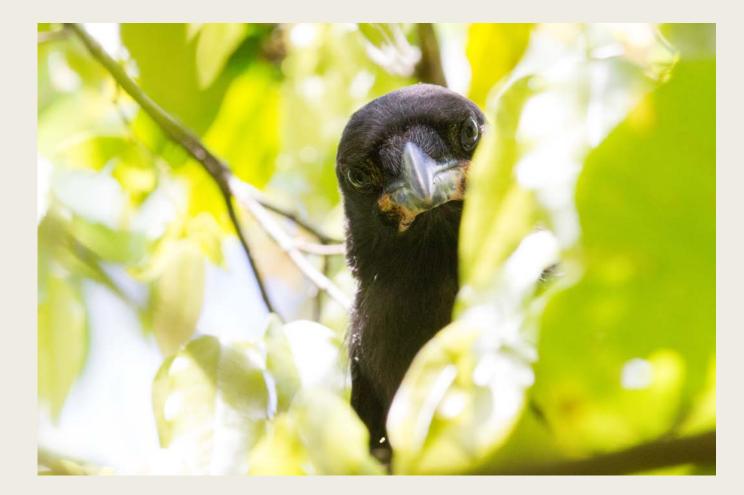
Students from Guam participate in an Aga release

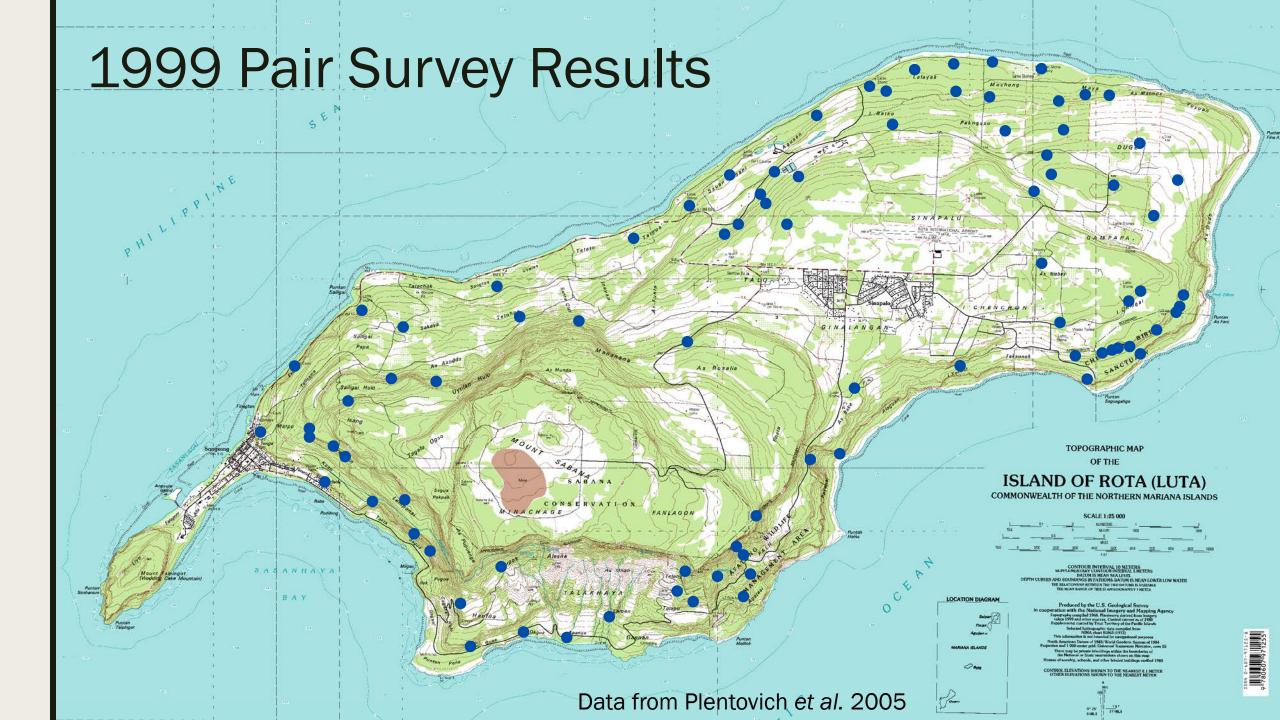


Rota Agricultural Fair 2015

1999 Pair Estimate

- 117 breeding pairs across Rota
- 85 Pairs were observed in 5 study plots and incidentally elsewhere
- Researchers used pairdensity within plots to estimate number of pairs in un-surveyed crow habitat
- Surveys occurred
 between 1996-1999

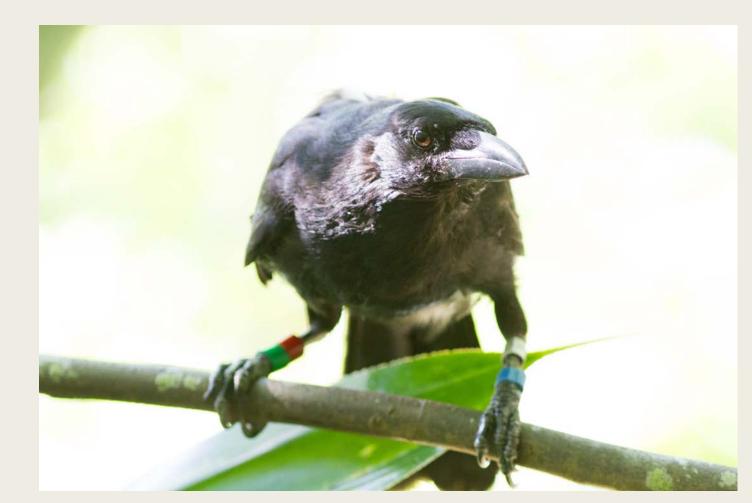


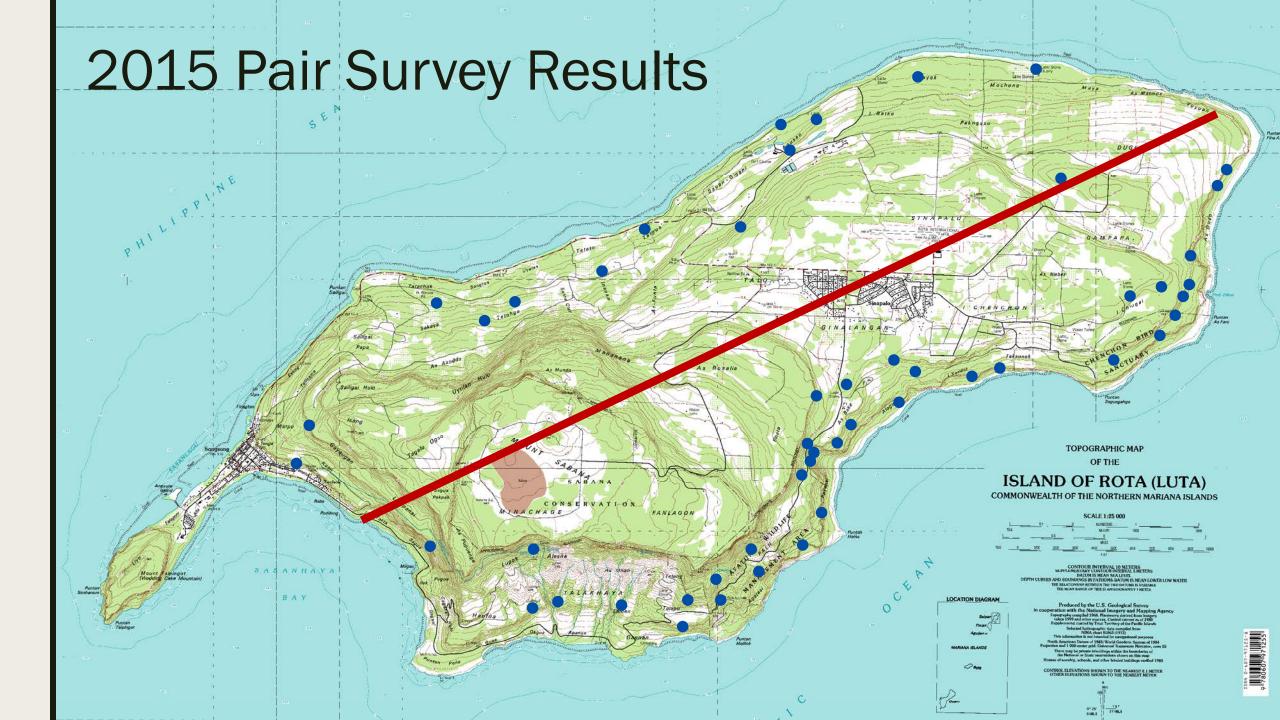


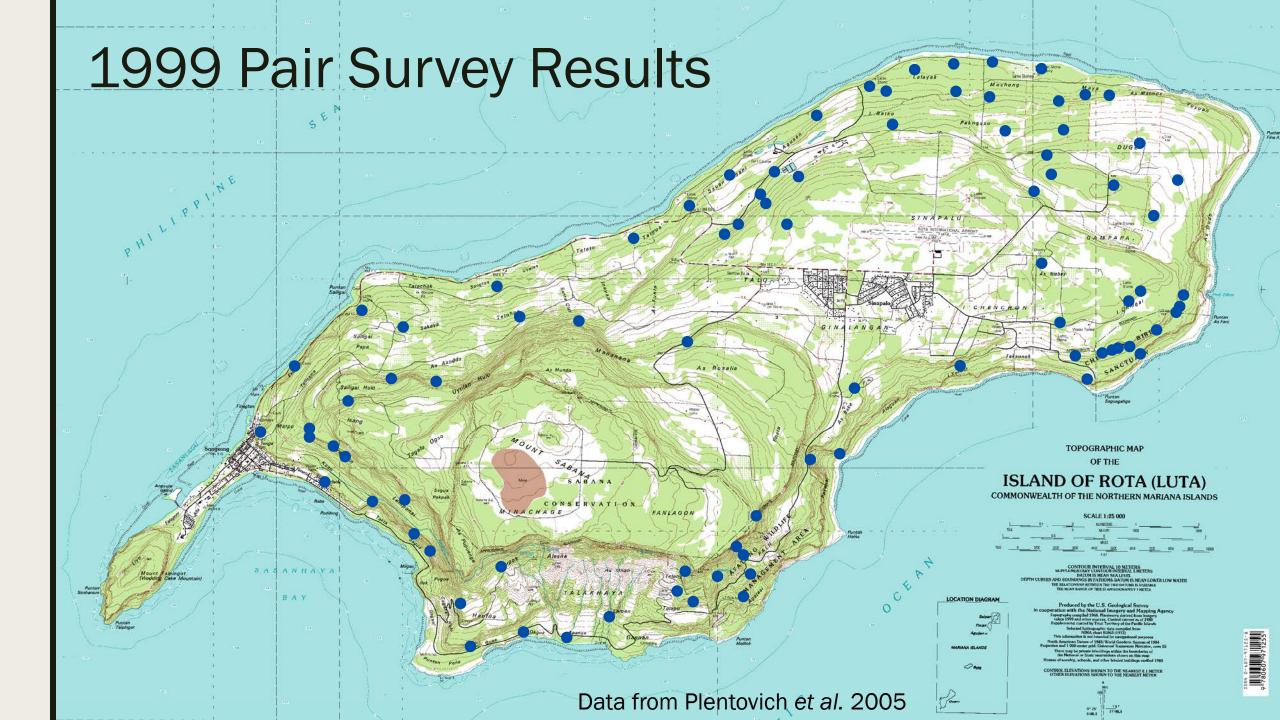
2015 Pair Estimate

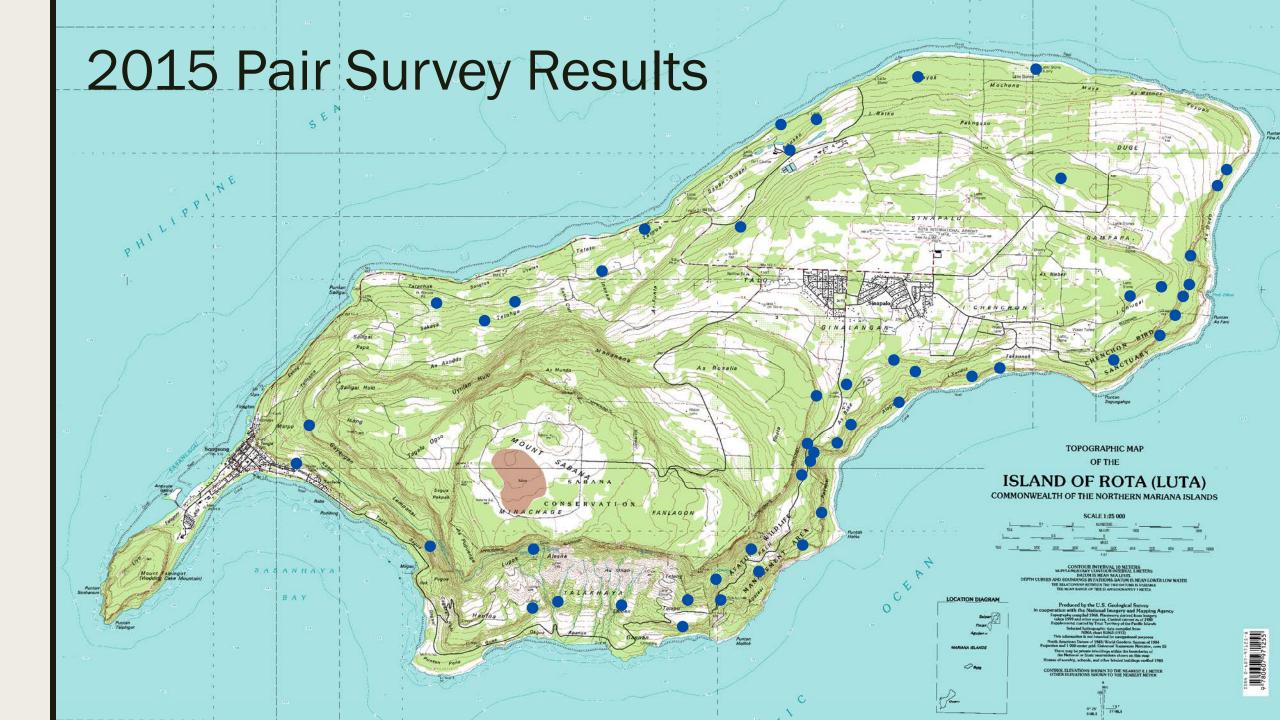
■ 50 Pairs

- Surveyed all occupied and unoccupied crow habitat on Rota
- Visit each area at least once per month from September through March











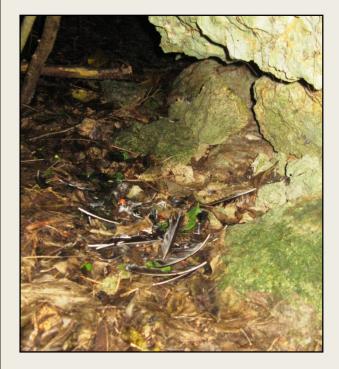
Mortality

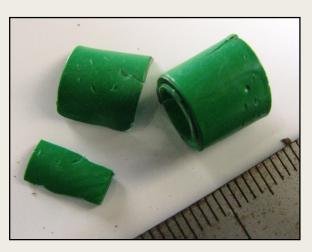


Harnesses hot off the press



Fitting a radiotransmitter harness on an adult Aga













Mortality: Incidental Findings

Coconut
 crabs (Birgus
 latro)
 depredate
 Aga and
 other
 vertebrates
 on Rota

Frontiers in Ecology and the Environment

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Natural History Notes

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Mark E Laidre

First published: 1 November 2017 Full publication history

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Mortality: Emerging Patterns

- Pattern of inflammation in necropsy results
- 3 of 4 captive birds have shown skin inflammation
- 7 of 11 wild birds have shown inflammation of internal organs



Summary

- Outreach is integral!
- As of 2016: 50 breeding pairs
- Most pairs are on South side of Rota
- Most known mortalities have involved feral cats, a mysterious affliction, or possibly both.



Many Thanks!

- University of Washington
- CNMI DFW
- USFWS
- Renee Ha, Sarah Faegre,
 Dylan Hubl

