

Marine Corps Base Camp Lejeune







Species Monitored

- Waterbirds/Shorebirds
- ❖ Bald Eagle
- ❖ Red-cockaded Woodpecker



Waterbirds/Shorebirds



Annual

- Nest Monitoring/Protection of Colonial Waterbirds & solitary shorebirds
- International Shorebird Survey
- ❖ NC PIPL Census
- ❖ REKN migration survey
- Winter shorebird survey
- AMOY chick banding

Biennial

NC Colonial Waterbird Survey

Triennial

❖ NC AMOY/WIPL Census



Top to bottom: Wilson's plover, American oystercatcher chick in nest, piping plover, least tern nest



Bald Eagle Nest Monitoring

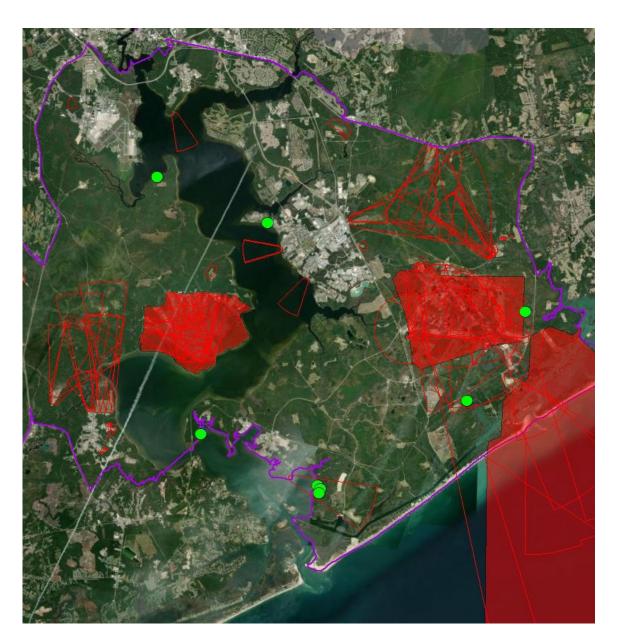
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- Monitoring under ESA began in 2002 with 1 nest
- Now 6 active & 2 alternate known nests
- Currently monitored under MBTA
 - Incidental take permit for military training operations
- 81 eaglets fledged to date!



Bald Eagle Nest Monitoring

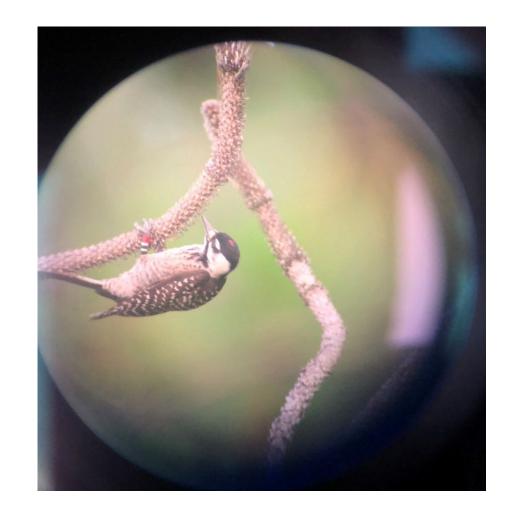




Red-cockaded Woodpecker Biology Overview



- Cooperative breeder
- Family group lives in a group of cavity trees called a "cluster"
- Males inherit territories, females typically disperse
- Excavates nest cavities in living pine trees (prefers longleaf)
- Suitable foraging habitat is pine habitat >30 years old with minimal hardwood midstory
- MCB Camp Lejeune is part of the Coastal North Carolina Primary Core Population of the USFWS Mid-Atlantic Coastal Plain Recovery Unit





Marine Corps Red-cockaded Woodpecker **Program Overview**



Management Plans & Guidance

- USFWS RCW Recovery Plan
- ❖ MCBCL **Integrated Natural** Resources Management Plan
- ❖ MCBCL RCW Management Plan

Goals

- 100% monitoring of RCW population and military impacts
- Conserve RCW while enhancing the Marine Corps' ability to utilize MCB Camp Lejeune's training areas
- Reach local recovery goal of 173 active clusters

Management **Activities**

- Cluster/cavity tree management & protection
- Forage habitat/partition management
- Population monitoring and management



Cluster & Cavity Tree Management



- Mark cavity trees
- Mark/sign buffers on "restricted" clusters
- Maintain a minimum of 4 suitable cavities per cluster
 - Utilize "start" holes, drilled cavities, insert boxes when needed
- Installation of cavity restrictors (if necessary)
- Area clearing around [cavity] trees (ACAT) for protection against prescribed burning and wildfire





Habitat Management



Partition-level management

- 120-200 acres of quality foraging habitat/partition is the goal
- Increase nesting habitat through "recruitment" stands
- Forest management
 - 10-year prescription cycle
 - Restoration of/conversion to longleaf pine
 - Thinning
 - Regeneration
 - Midstory and canopy hardwood control
 - Manual, mechanical, herbicide
- Prescribed burning

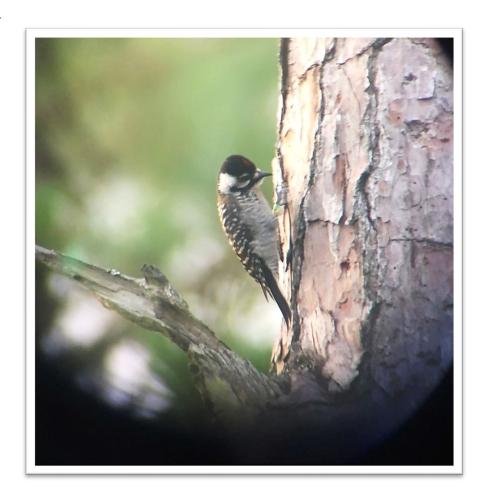




Marine Corps Red-cockaded Woodpecker **Monitoring**



- Cooperative partnership w/ VA Tech since 1985
- Dr. Jeff Walters instrumental in program's success
- Virtually 100% of population monitored
 - Nest monitoring
 - Banding chicks & adults
 - Home range "follows"
- Allows for analysis of:
 - Population demographics
 - Reproductive success
 - Habitat use/preference





RCW Nest Monitoring







RCW Chick Banding







RCW Adult Banding



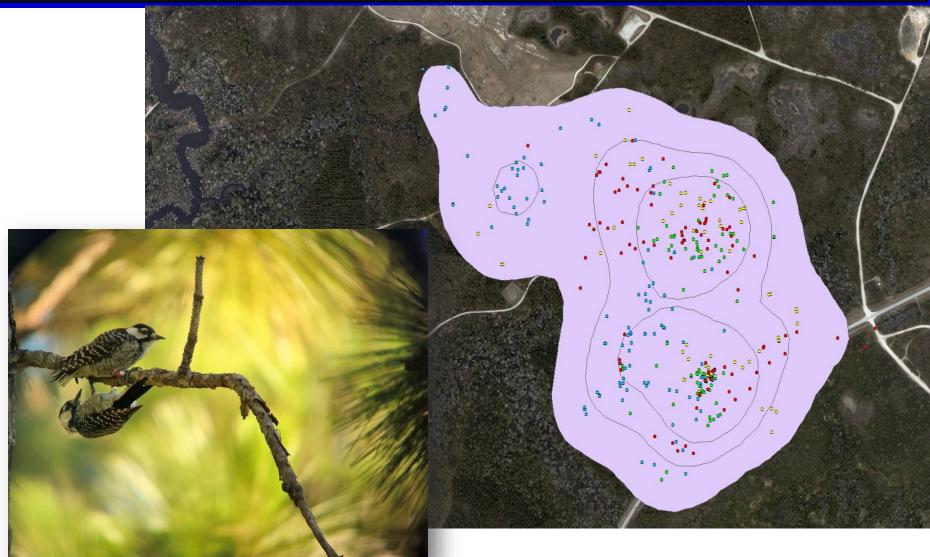






RCW Home Range "Follows"







RCW Recovery and Sustainment Program (RASP)



- Developed by MCB Camp Lejeune and USFWS as a strategy to establish new or grow existing subpopulations within the CNC Primary Core Population
- Allows the installation to enter into agreements with agencies, NGOs, and private landowners to establish new RCW groups off-base
- On-base RCW recovery goal can therefore be reduced, alleviating constraints on missioncritical range and training area capabilities
- RASP allows MCB Camp Lejeune to expand scope of Section 7 consultations to include the entire CNCPC population



A Success Story in Process

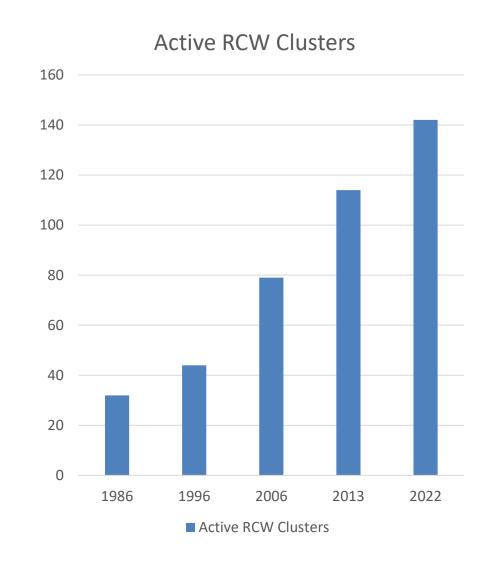


Since 1985:

- Nearly 5,000 birds banded
- Number of active RCW clusters has increased >340%

MCBCL successfully:

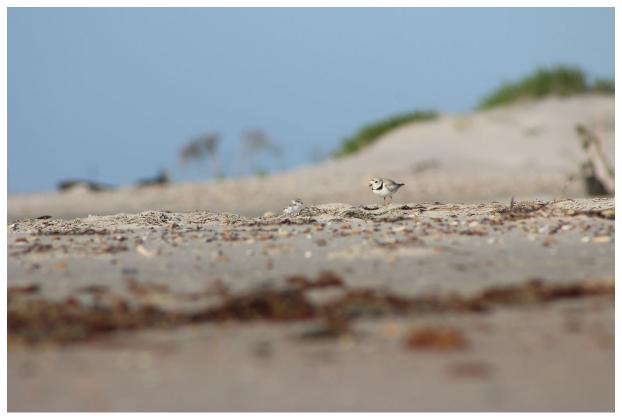
- ❖ Reached 1st of 4 population milestones, with 2nd in reach. This means less restrictions on training!
- Navigated several challenging Section 7 ESA consultations







Thanks for your attention! Any questions?



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