



FWC and Florida's Imperiled Species Management

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Imperiled Species Management Goal

With broad public and partner support, conserve or improve the status of imperiled species to effectively reduce the risk of extinction.

- I. Fill data gaps to improve conservation and management
- II. Maximize conservation benefits through directed communication, outreach, and management.



FWC Imperiled Species Management

- The Commission developed a new Imperiled Species Management System in 2010
- Federal and State Listed Species identified in Chapter 68A-27, F.A.C.
- Required development of management plans for all listed species in Florida
 - 64 state listed species at that time



Rules Relating to Endangered or Threatened Species, Ch. 68A-27

68A-27.001(4) Take – to harass, **harm**, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in such conduct.

The term “harm” in the definition of take means an act which actually kills or injures fish or wildlife. Such act may include **significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.**



Imperiled Species Management Plan (ISMP) Timeline

2011: Biological Status Reviews (BSRs)

2013: Species Action Plans (SAPs)

2014: Integrated Conservation Strategies

2015: Draft ISMP, Rules, & Guidelines

2016: Final ISMP, Rules, & Guidelines



Species by the Numbers

Listing Status Changes

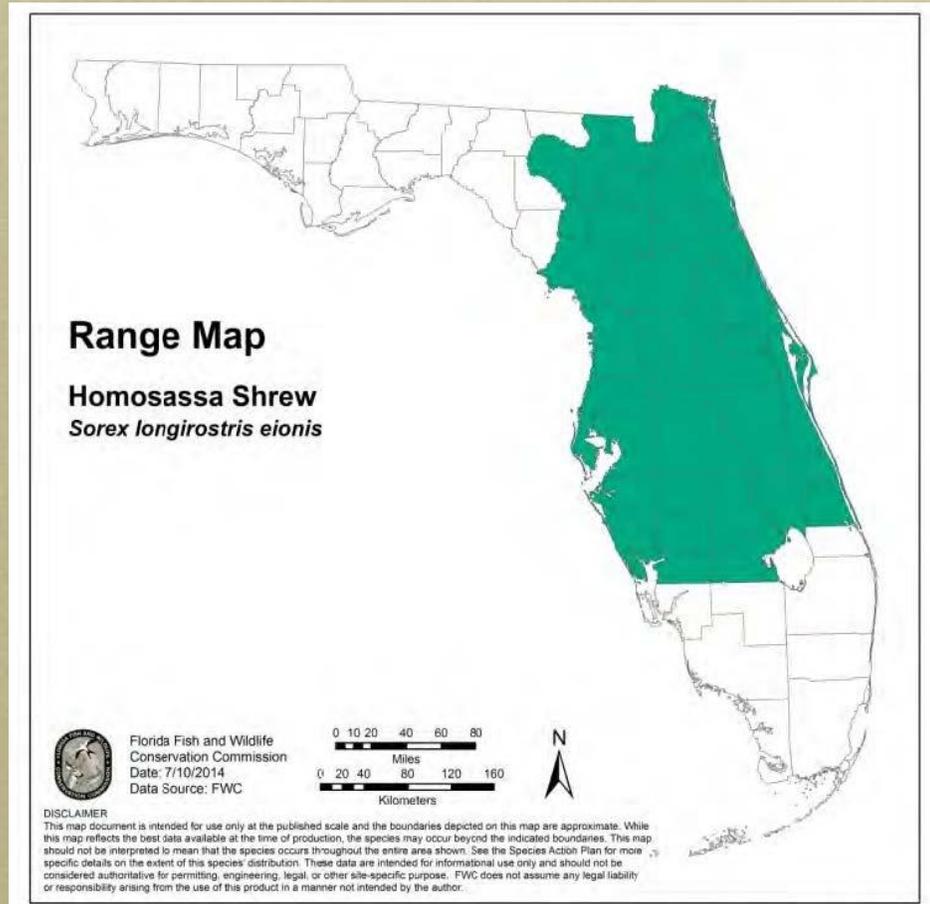
	<i>Current</i>	<i>Proposed</i>
State Threatened	14	37
<i>Species of Special Concern</i>	43	5
Remove from List	-	15

Note: 19 of 57 species petitioned for federal listing



Species Included in ISMP

Cryptic



Range limited



Regional Species Included

Shorebirds including the American Oystercatcher, Least Tern, and Black Skimmer



Regional Species Included

Wading birds and species like the Roseate spoonbill, Little blue heron, Tricolored heron, and Florida Sandhill Crane



Regional Species Included

Upland species like Florida burrowing owl, Florida pine Snake and Southeastern American kestrel



Regional Species Included

Species that have been delisted



ISMP Major Components

- Law and Policy
- SAP Summaries
- Integrated Conservation Strategies
- Implementation
- Impacts Assessment



Photo by Ron Bielefeld



Integrated Conservation Strategies

- ***Incentives and Influencing***: Conserve & manage with partnerships, guidance, promoting stewardship
- ***Law and Policy***: Interagency collaboration during regulatory processes
- ***Education and Outreach***: Communications with key audiences



FWC and ECFRPC Coordination

- Important State and Regional Resources
 - Imperiled species, other managed species, conservation lands
- Technical Assistance to Local Governments and Landowners
 - Prior to changes in land use designation – pre-application stage
- Land Use Changes, Comprehensive Plan Amendments, Large-scale development proposals



Comprehensive Plan Amendments

Ch 163.3184:

“State agencies shall only comment on **important state resources and facilities** that will be adversely impacted by the amendment if adopted. Comments provided by state agencies shall state with specificity how the plan amendment will adversely impact an important state resource or facility and shall **identify measures the local government may take to eliminate, reduce, or mitigate the adverse impacts.**”



Species Conservation Measures and Permitting Guidelines

- Species-specific guidance for all species included in the ISMP
- Provides information and tools for avoiding take
- Provides options for minimization and mitigation



Photo by Jack Rogers



Next Steps

- Public Comment period for Draft ISMP and associated rules closes January 20th
- Continued work and vetting of Species Permitting Guidelines
- Finalizing Species Guidelines in November 2016



Reddish egret; photo by Jack Rodgers



Questions?



Least tern



For Additional Information:

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Backup slides



Species Included in the ISMP

8 Mammals	21 Birds	
Big Cypress fox squirrel	American oystercatcher	Snowy plover
Everglades mink	Black skimmer	Tricolored heron
Sanibel rice rat	Florida burrowing owl	Wakulla seaside sparrow
Sherman's short-tailed shrew	Florida sandhill crane	White-crowned pigeon
<i>Homosassa shrew</i>	Least tern	Worthington's marsh wren
<i>Sherman's fox squirrel</i>	Little blue heron	<i>Osprey (Monroe County population)</i>
Eastern chipmunk *	Marian's marsh wren	Brown pelican
Florida mouse	Reddish egret	Limpkin
	Roseate spoonbill	Snowy egret
	Scott's seaside sparrow	White ibis
	Southeastern American kestrel	



Species Included in the ISMP

12 Reptiles		4 Amphibians
Barbour's map turtle	<i>Alligator snapping turtle</i> *	Florida bog frog
Florida brown snake (Lower Keys population)	Peninsula ribbon snake (Lower Keys population)	Georgia blind salamander
Florida Keys mole skink	Red rat snake (Lower Keys population)	Gopher frog
Florida pine snake	Striped mud turtle (Lower Keys population)	Pine Barrens treefrog
Key ringneck snake	Suwanee cooter	
Rim rock crowned snake		
Short-tailed snake		



Species Included in the ISMP

9 Fish	3 Invertebrates
Blackmouth shiner	Black Creek crayfish
Bluenose shiner	Santa Fe crayfish
Crystal darter	Florida tree snail
Key silverside	
Saltmarsh top minnow	
Southeastern tessellated darter	
<i>Harlequin darter</i>	
Lake Eustis pupfish	
Mangrove rivulus	

