



PUBLIC LAND ACQUISITION &
MANAGEMENT PARTNERSHIP



ONEFLORIDA

OCTOBER 2018 • SARASOTA

LAND RESOURCE MANAGEMENT PANEL



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Department of Environmental Protection

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*Southwest Florida
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Department of Agriculture and Consumer Services

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Florida Fish and Wildlife Conservation Commission



CHALLENGES AND OPPORTUNITIES

Challenges

Managing the proliferation of feral hogs on conservation lands

Opportunities

Feral hog dog hunt incentive program

Phase 1 Hunts Schedule (October through December 2018)

Registration begins at 9 a.m. on October 2, 2018, and ends when all permits are sold (or at midnight Thursday following the registration date—whichever comes first). Be advised, permits typically sell out quickly.

Hunt Area	Hunt Date	Duration	Type	Permits
Alston Tract at Upper Hillsborough Preserve (2,698 ac.)	Oct. 30 - Nov. 1, 2018	3-day hunt	hog dog	11
Chito Branch Reserve (5,515 ac.)	Nov. 6-8, 2018	3-day hunt	hog dog	10
Lower Hillsborough Wilderness Preserve (6,818 ac.)	Nov. 13-15, 2018	3-night hunt	hog dog	20
Flying Eagle Nature Center formerly McGregor Smith Scout Reservation(4,964 ac.)	Nov. 13-15, 2018	3-day hunt	hog dog	20
Hampton Tract and Closed-Area Tracts at Green Swamp Wilderness Preserve (10,316 ac.)	Nov. 27-29, 2018	3-day hunt	hog dog	38
Hálpata Tastanaki Preserve (7,736 ac.)	Nov. 27-29, 2018	3-day hunt	hog dog	30

Dog hunt only: One hunter, two assistants and three dogs per hunter; please see "Rules" for each hunt for more information.

Phase 2 Hunts Schedule (January through February 2019)

Registration begins at 9 a.m. on December 18, 2018, and ends when all permits are sold (or at midnight Thursday following the registration date—whichever comes first). Be advised, permits typically sell out quickly.

Hunt Area	Hunt Date	Duration	Type	Permits
Alston Tract at Upper Hillsborough Preserve (2,698 ac.)	Jan. 8-10, 2019	3-day hunt	hog dog	11
Chito Branch Reserve (5,515 ac.)	Jan. 8-10, 2019	3-day hunt	hog dog	10
Flying Eagle Nature Center formerly McGregor Smith Scout Reservation(4,964 ac.)	Jan. 15-17, 2019	3-day hunt	hog dog	20
Hálpata Tastanaki Preserve (7,736 ac.)	Jan. 22-24, 2019	3-day hunt	hog dog	30
Lower Hillsborough Wilderness Preserve (6,818 ac.)	Jan. 29-31, 2019	3-night hunt	hog dog	20
Hampton Tract and Closed-Area Tracts at Green Swamp Wilderness Preserve (10,316 ac.)	Feb. 12-14, 2019	3-day hunt	hog dog	38

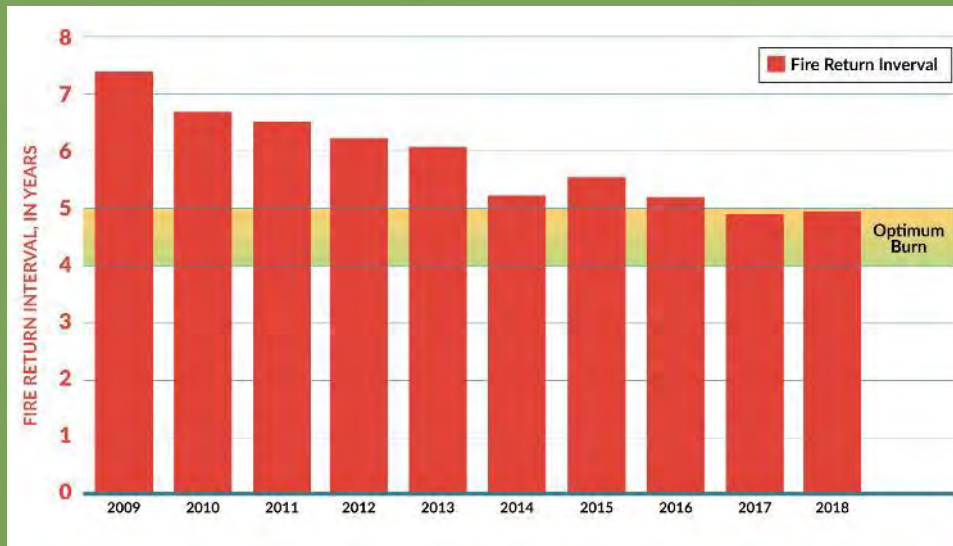
Dog hunt only: One hunter, two assistants and three dogs per hunter; please see "Rules" for each hunt for more information.

Challenges

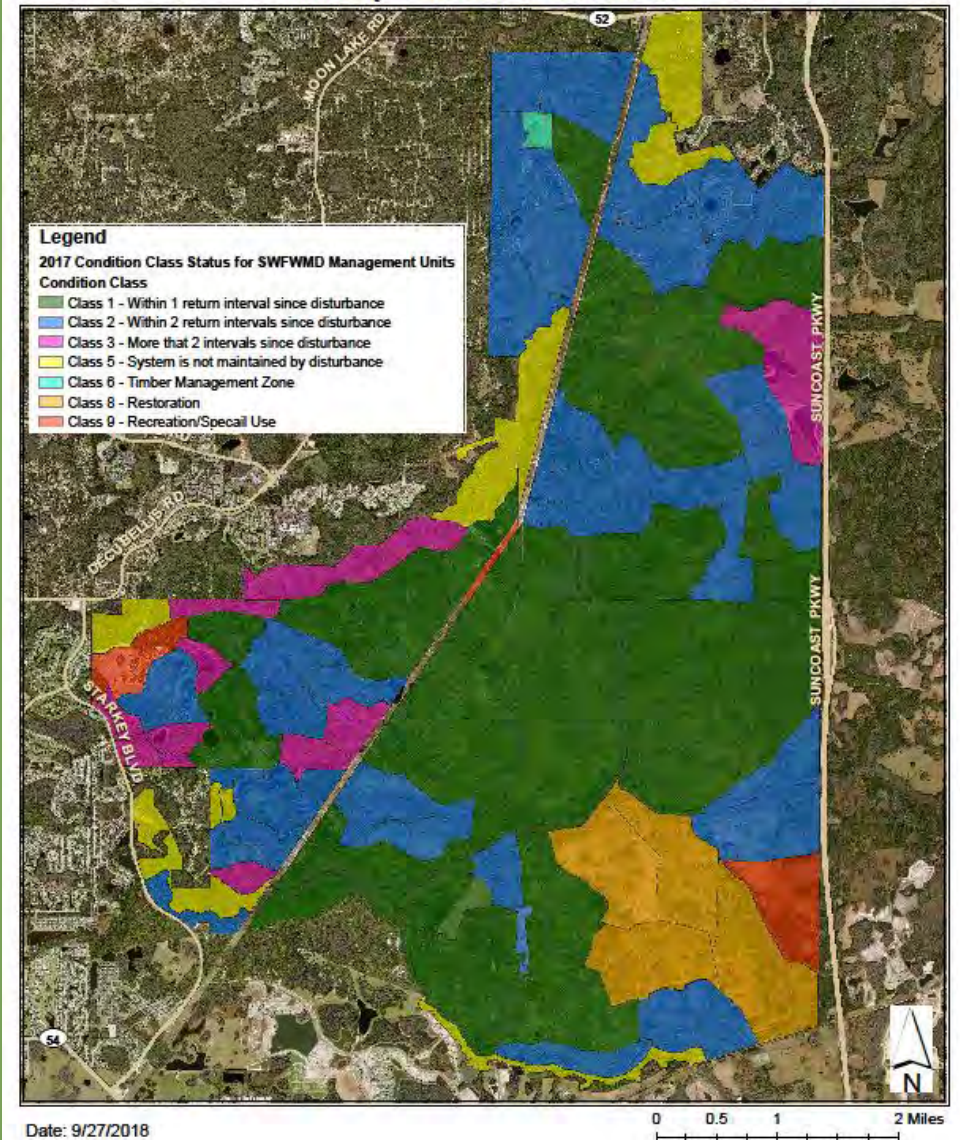
Maintaining an acceptable burn interval on our conservation lands

Opportunities

Established a Condition Class Assessment



**FY 17 - Land Management Condition Class
Starkey Wilderness Preserve**

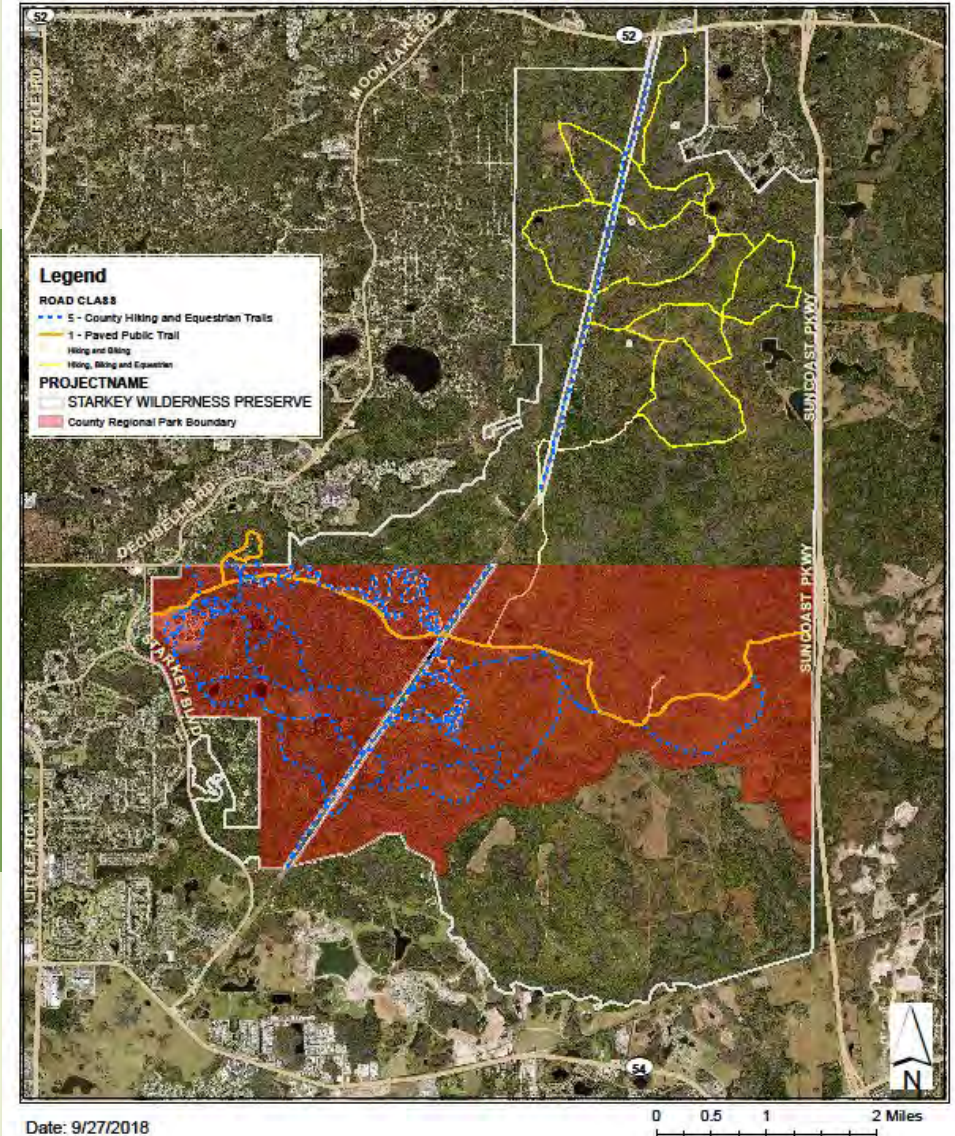


Challenges

Increasing demand from the public for recreation opportunities on conservation lands

Opportunities Partnerships with state and local governments

Recreational Trails and Regional Park Starkey Wilderness Preserve



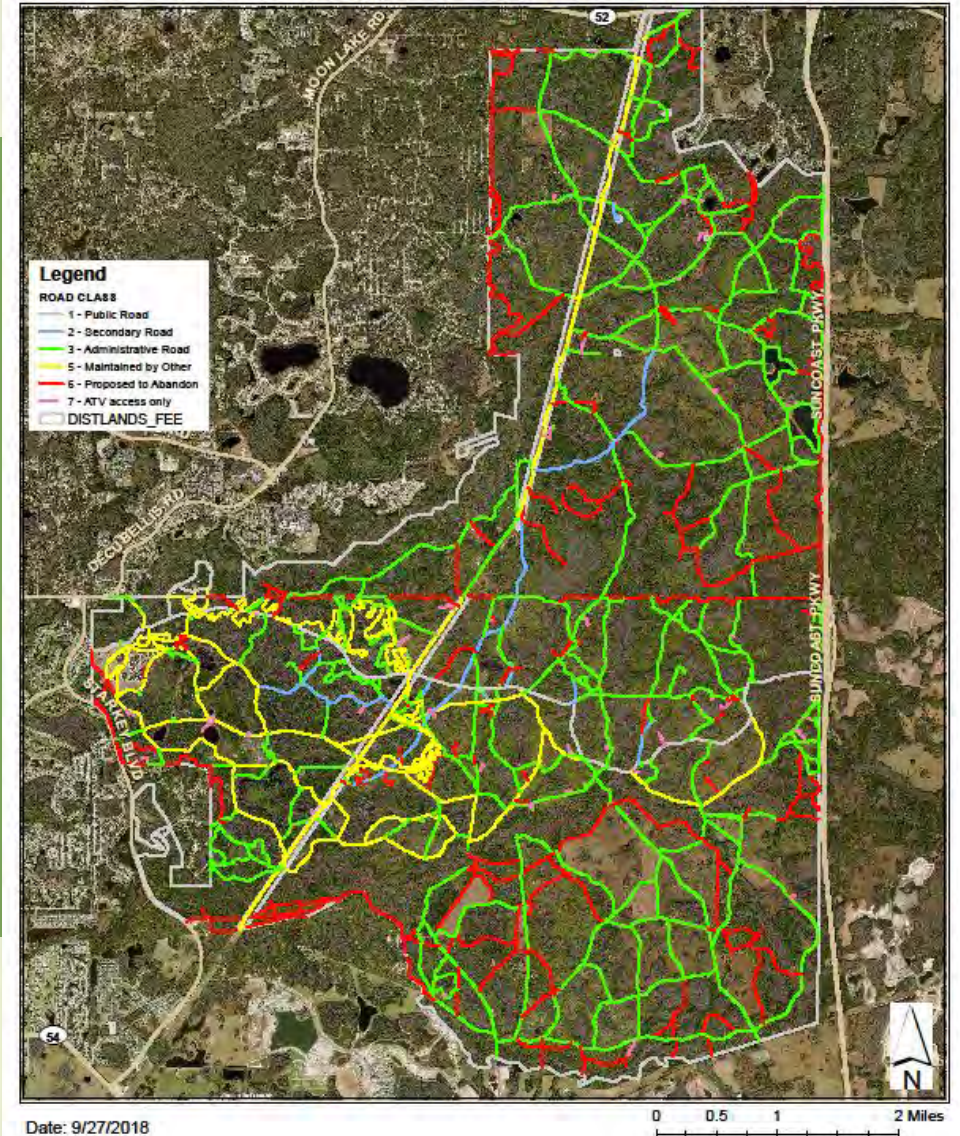
Challenges

Managing an acceptable level of service on our lands while maintaining reasonable costs

Opportunities

- Asking ourselves “Why?”
- Seek partnerships
- Technology

FY 18 - Road Classifications
Starkey Wilderness Preserve





LYKES
BROS. INC.

Mallory Lykes Dimmitt
VP Strategic Development



LYKES BROS. INC

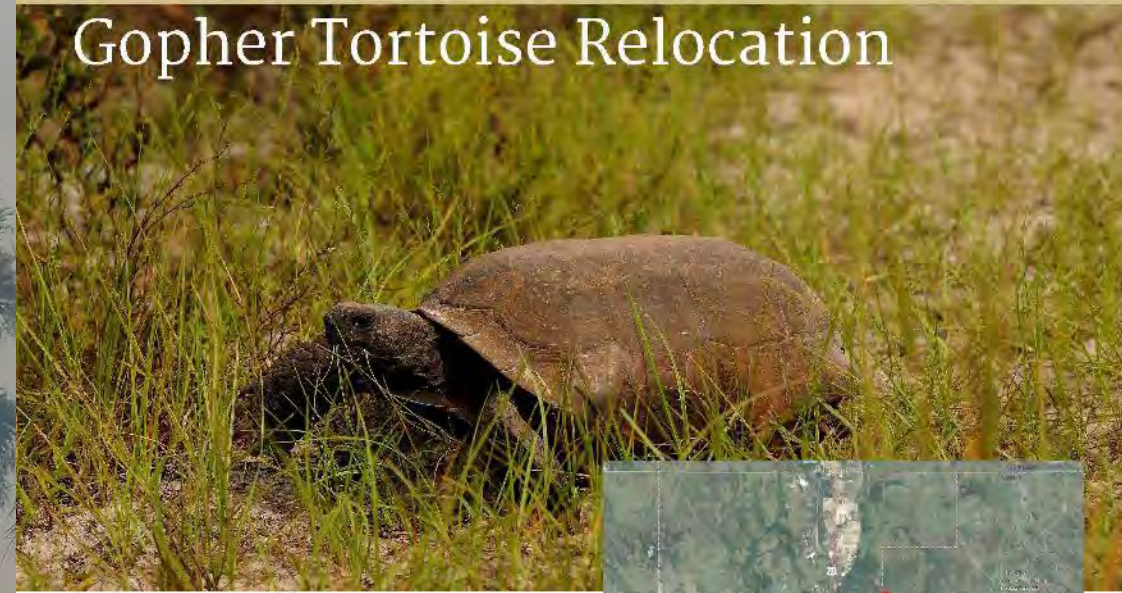
Family-owned integrated agri-business with cattle, citrus, forestry, land and water resources*, recreational hunting and an insurance agency



Resource Projects: Gopher Tortoise

- Lykes Ranch has 4 permitted recipient sites

Gopher Tortoise Relocation



Gopher tortoise by Linda McCarthy

THE CHALLENGE

The only tortoise in the eastern part of the United States, the gopher tortoise lives in dry, sandy uplands, scrub, pine flatwoods and coastal dunes of the southeastern part of the country. The gopher tortoise has been deemed "warranted but precluded" for listing under the federal Endangered Species Act, and is listed as a Threatened Species in the state of Florida. In 2007, the Florida Fish and Wildlife Conservation Commission (FWC) implemented a rule eliminating the "take" of gopher tortoises. Gopher tortoises in the path of development must now be relocated to a permitted recipient site.

THE SETTING

Lykes Bros. Inc. first established a recipient site in 2010 to accommodate tortoises on a



1,165 acre parcel of the Lykes Ranch known as NW Hackletrap, which has since been expanded by 5,950 acres with the addition of the Guinea Ford, West Grasshopper and Squirrel Island sites. Each of the recipient sites are located on private property within the boundaries of the Fishcating Creek conservation easement on the Lykes Ranch, west of Lake Okeechobee. The additional restrictions and long term maintenance requirements of gopher tortoise recipient sites are consistent with the conservation easement and enhance the property and habitat.

Resource Projects: Water

Lykes Ranch is ideally located to capture and store nutrient rich waters in the Indian Prairie / Lake Istokpoga basin upstream of Lake O, benefitting the lake, Everglades, and estuaries

Lykes Land & Water Resources Projects

West Waterhole



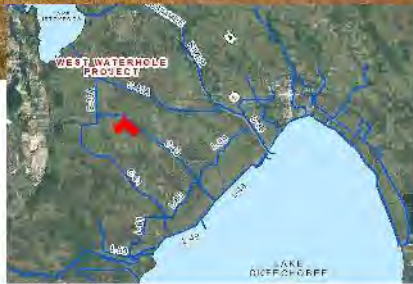
West Waterhole by Linda McCarthy

THE CHALLENGE

The phosphorus concentration in Lake Okeechobee has doubled since the 1970s and the total inflow of phosphorus is four times the regulatory target load set by the Florida Department of Environmental Protection. A Basin Management Action Plan (BMAP) has been adopted for Lake Okeechobee with the goal of reducing the average inflow of phosphorus in surface water from 420 to 105 metric tons a year.

THE SETTING

The Indian Prairie/Lake Istokpoga sub watershed was identified as one of the largest contributors of phosphorus to the Lake with 20% of the 420 metric tons coming from this basin. The West Waterhole (WWH) Project was initiated in 2006 as part of the Florida Ranchlands Environmental Services Project (FRESP) to remove excess nutrients from the water in the Indian Prairie Canal (IPC) before it enters Lake Okeechobee.



THE PROJECT

The Project encompasses approximately 2,500 acres located in the Indian Prairie Basin, south of SR 70 and west of the Lykes Ranch headquarters at Brighton. IPC water is pumped into the project at the northeastern edge and runs south through the site before being returned, post-treatment to the canal further downstream.

THE BENEFITS

The goal of the project is to remove phosphorus from (off-ranch) water in the C-40 Canal. Although the FRESP

Lykes Land & Water Resources Projects

Nicodemus Slough



Nicodemus Slough by Carlton Ward Jr.

THE CHALLENGE

When water levels are high, additional storage is needed to hold excess surface water on private and public lands in the greater Everglades system. Dispersed water storage projects are needed to help reduce the amount of water delivered into Lake Okeechobee during the wet season and discharged to coastal estuaries for flood control. Nearly one million acre-feet of water storage is needed upstream of Lake Okeechobee.

THE SETTING

The Nicodemus Slough project encompasses 15,859 acres of eastern Glades County in central south Florida. The slough is located immediately west of Lake Okeechobee and about six miles northwest of Moore Haven. Fisheating Creek meanders along the northern project boundary but



remains separated from the project by a series of dikes and canals.

THE PROJECT

The Nicodemus Slough project began operating in late 2014. When Lake Okeechobee levels are high, water is pumped from the lake's rim canal west to the highest of the project site. The water then moves in a sheetflow east across the site through a series of basins. Nicodemus Slough is capable of providing up to 34,000 acre-feet or 11 billion gallons of water.

Lykes Land & Water Resources Projects

Brighton Valley



Cattle graze at Brighton by Linda McCarthy

THE CHALLENGE

Elevated nutrient levels are a serious problem plaguing Lake Okeechobee that affect natural and human communities downstream, including coastal areas, when water is released from the lake. A Basin Management Action Plan (BMAP) for Lake Okeechobee has been adopted in accordance with the federal Clean Water Act, with a target of reducing the average inflow of phosphorus to the lake from 448 to 105 metric tons per year. The BMAP is the product of years of inter-agency work as well as public input, and multiple innovative solutions are needed to meet this hurdle.

THE SETTING

The Indian Prairie/Lake Istokpoga sub watershed was identified as the largest contributor of phosphorus to Lake

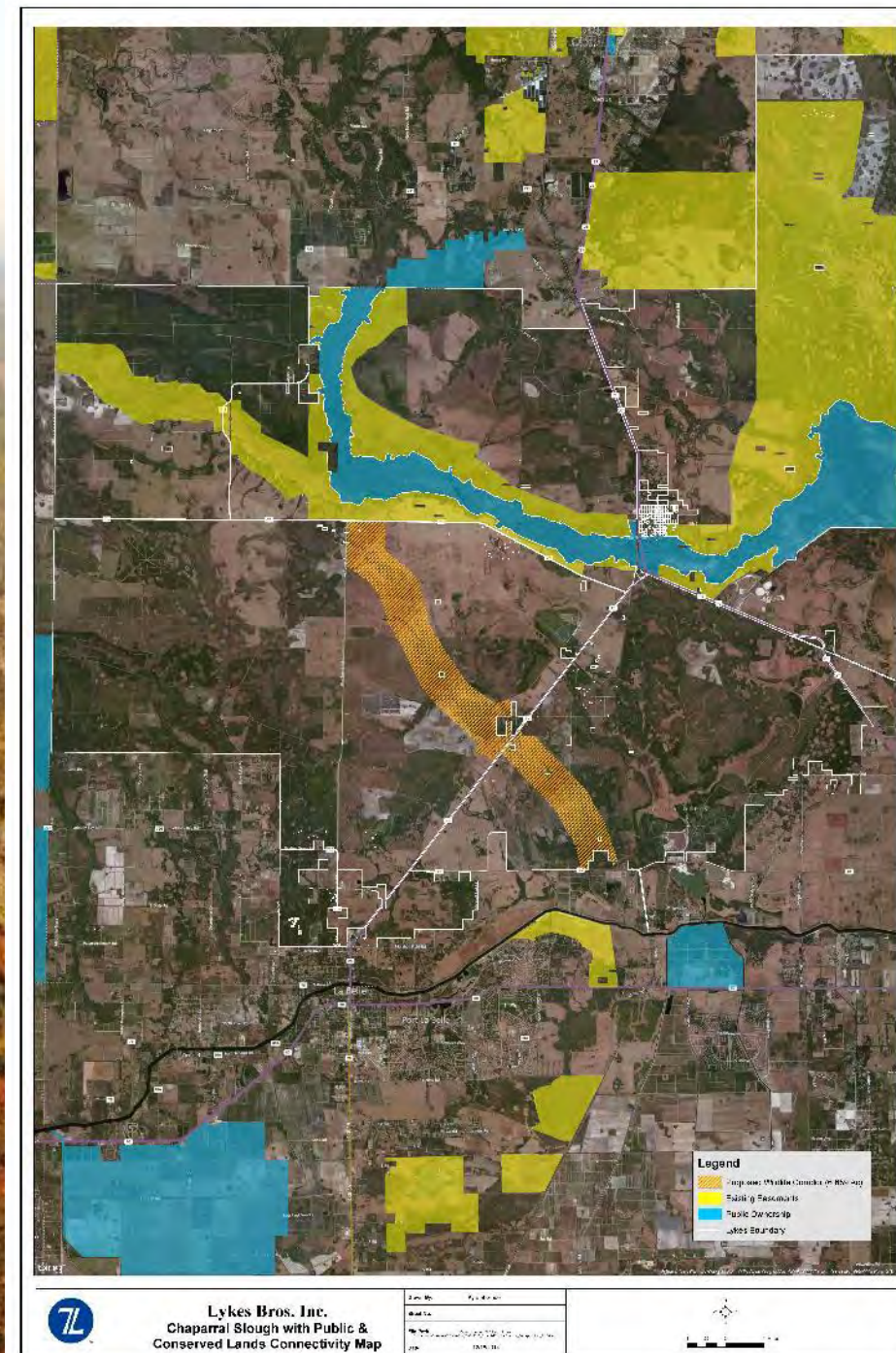


Okeechobee with 20% of the phosphorus load coming from this basin. Brighton Valley is by far the largest and most significant, quick and economical project to initiate and operate to help achieve the given nutrient reduction target.

THE PROJECT

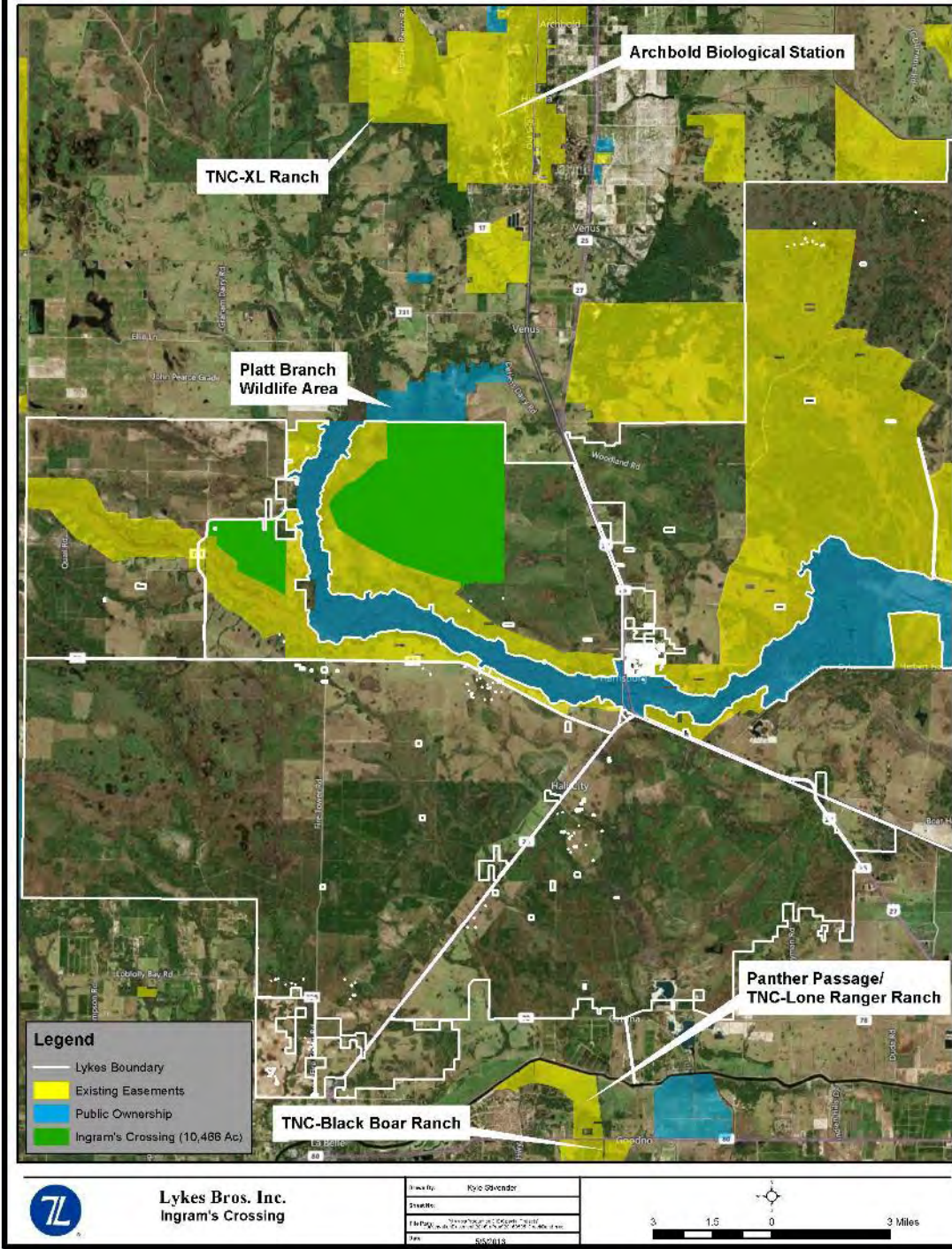
Brighton Valley is a large-scale (8,200 acres) stormwater storage and treatment project designed for its unique and desirable location that can both capture significant nutrients and help manage Lake Okeechobee levels and regulatory releases. Accordingly, Brighton Valley is a BMAP priority project. Construction of the project is scheduled to begin in 2016.

Resource Projects: Conservation Easements



Proposed CE: Ingram's Crossing

10,466 acre project on Rural and Family Lands Tier 1



Lykes Bros. Inc: www.lykes.com

Instagram: @lykesbros

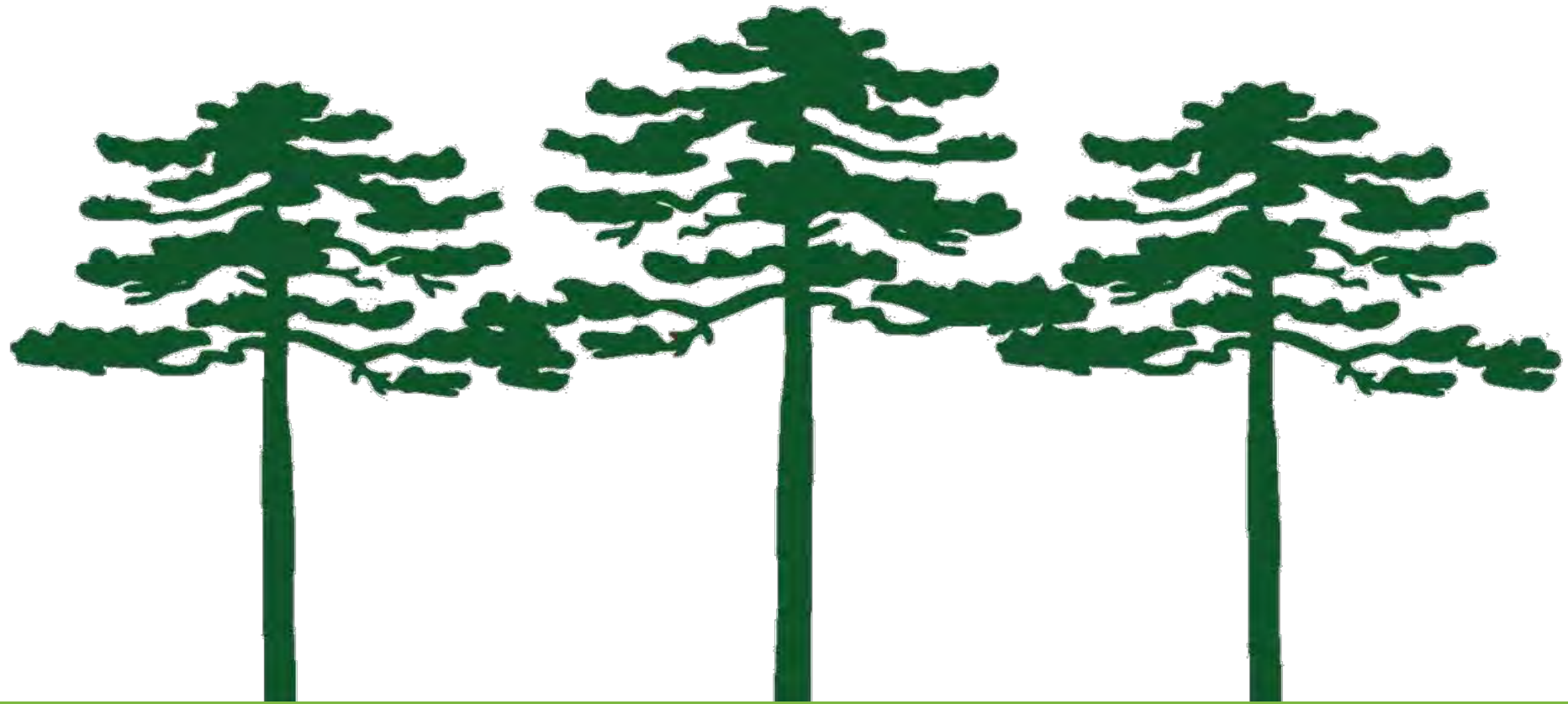
Facebook: Lykes Bros Inc

LinkedIn: Lykes Bros Inc

Lykes Ranch: www.lykesranch.com

Facebook: Lykes Ranch (Silver Lake Preserve)





Land Resource Management Panel



Erin Albury, Assistant Director
Florida Forest Service
October 3, 2018

Florida Forest Service

- FFS Mission: Protect Florida and its people from the dangers of wildland fire and manage the forest resources through a stewardship ethic to assure they are available for future generations

Two overarching responsibilities:

- Forest Management
 - Responsible for land resource management on over 1.1 million acres on 37 state forests
- Forest Protection
 - Responsible for implementation and enforcement of Chapter 590 F.S. (Forest Protection) and Rule Chapter 5I-2 (Open Burning)



ADAM H. PUTNAM, COMMISSIONER



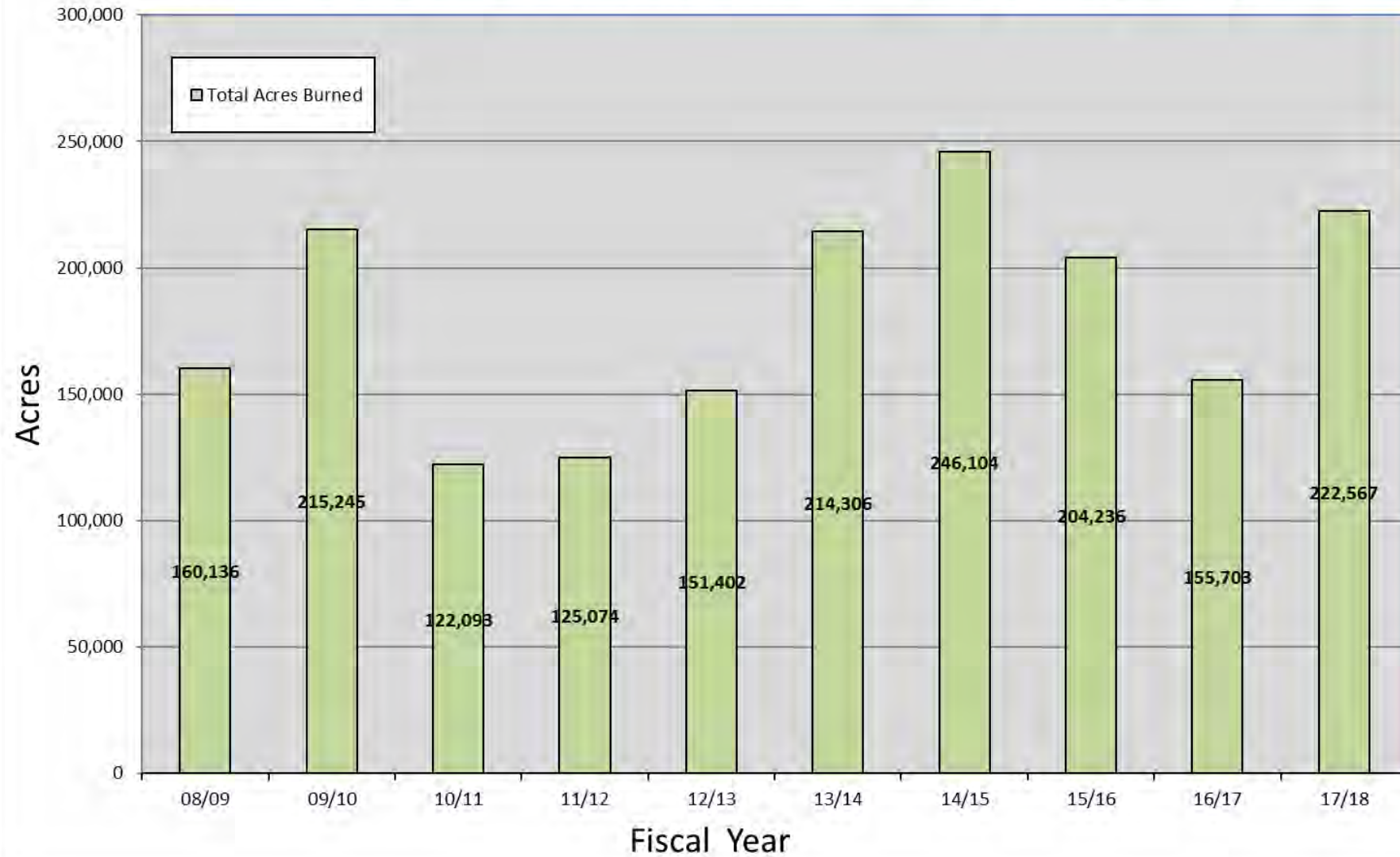
DEPARTMENT OF AGRICULTURE & CONSUMER SERVICES

Prescribed Fire

- Roughly 850,000 acres managed by FFS are considered “fire dependent”
- Shared Challenges
 - Weather
 - Smoke Management
 - Staff & Equipment Availability
 - Task Prioritization
 - Multiple Use Management
 - Funding



Total Prescribed Fire Acres on State Forests from FY 08/09 through FY 17/18

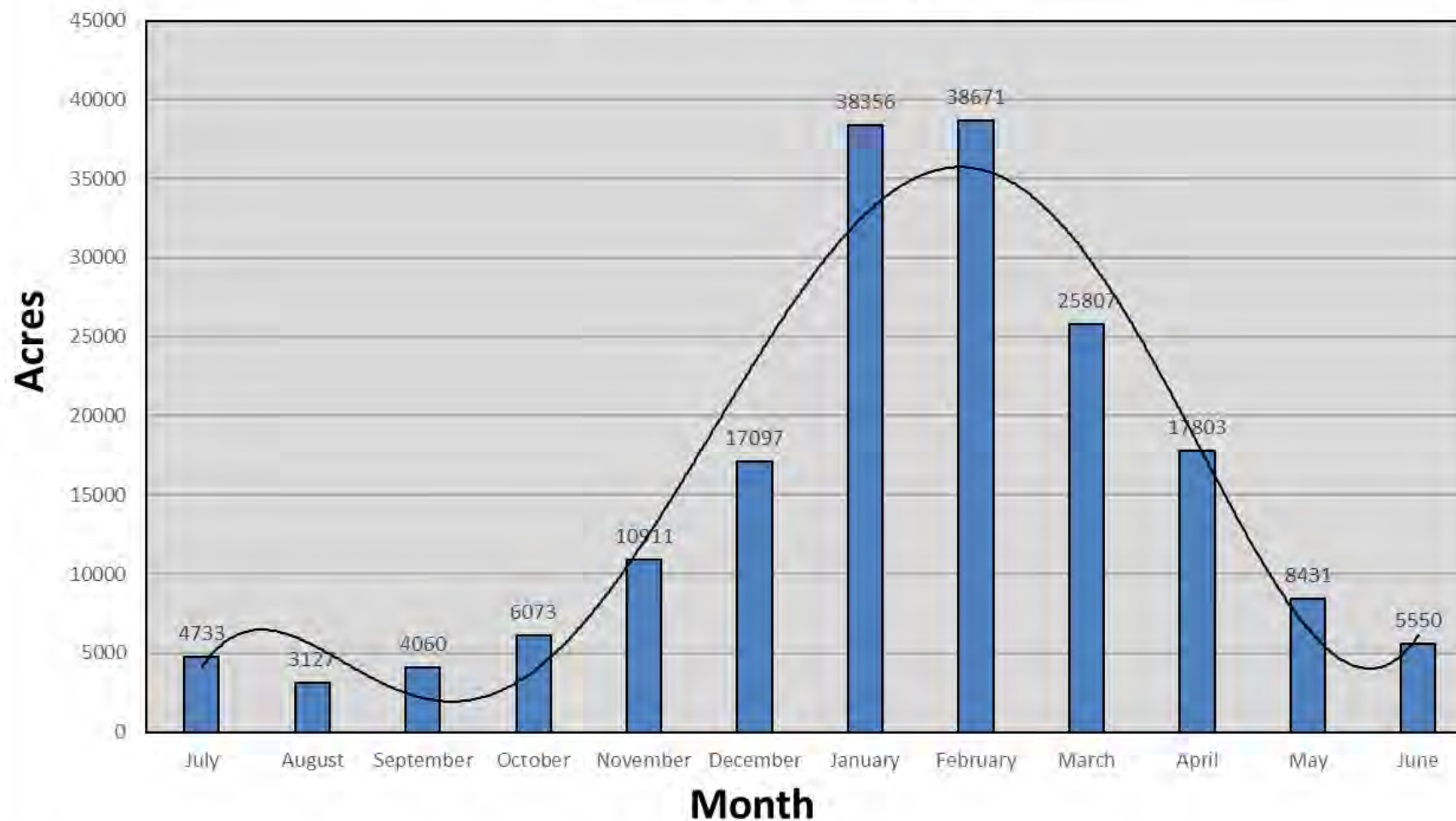


ADAM H. PUTNAM, COMMISSIONER



DEPARTMENT OF AGRICULTURE & CONSUMER SERVICES

Ten-year Average Acres Burned by Month on State Forests FY 08/09 through FY 17/18

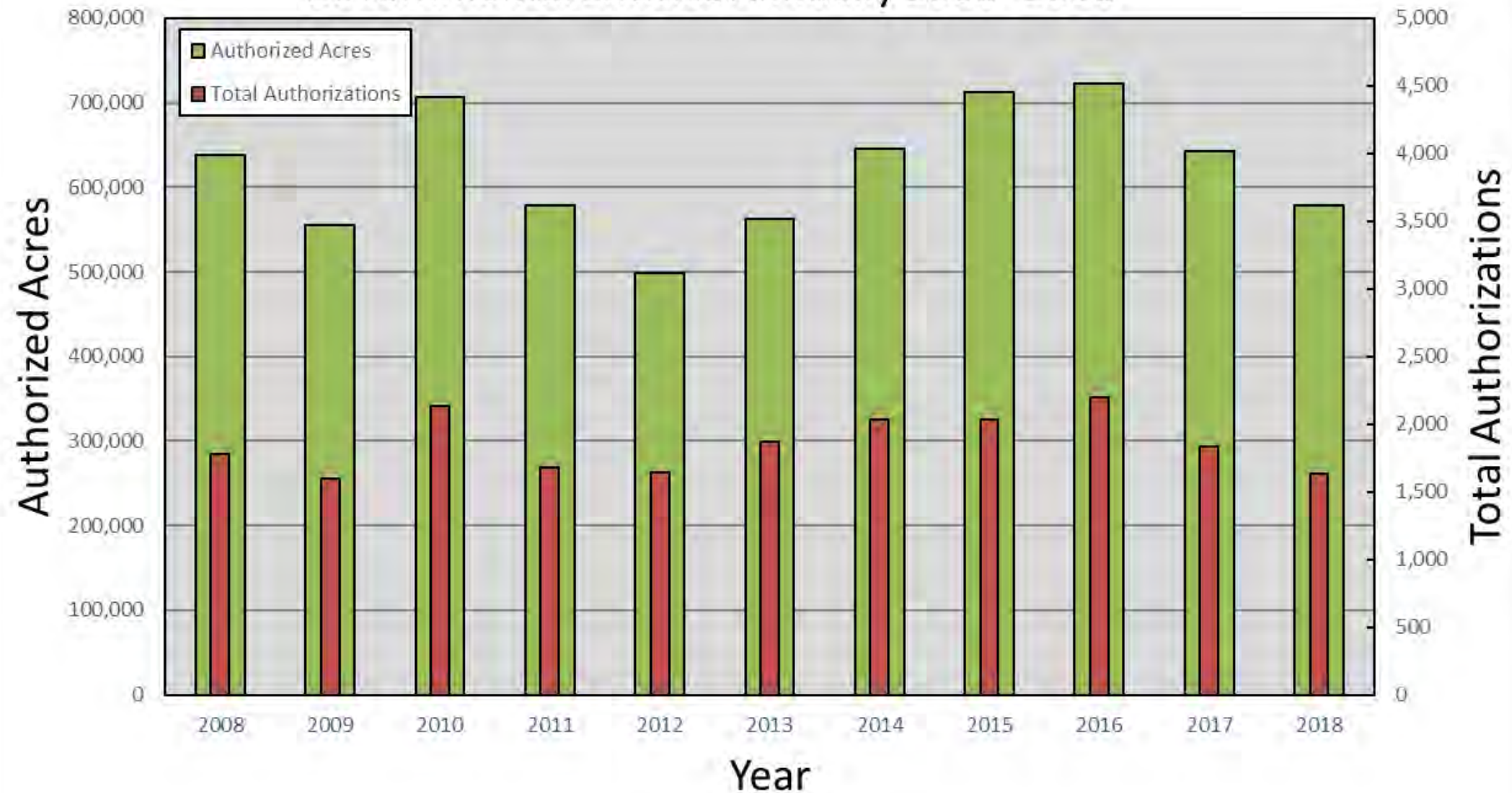


ADAM H. PUTNAM, COMMISSIONER



DEPARTMENT OF AGRICULTURE & CONSUMER SERVICES

Number of Authorizations and Authorized Acres by State Governmental Entities Annually 2008 -2018



ADAM H. PUTNAM, COMMISSIONER



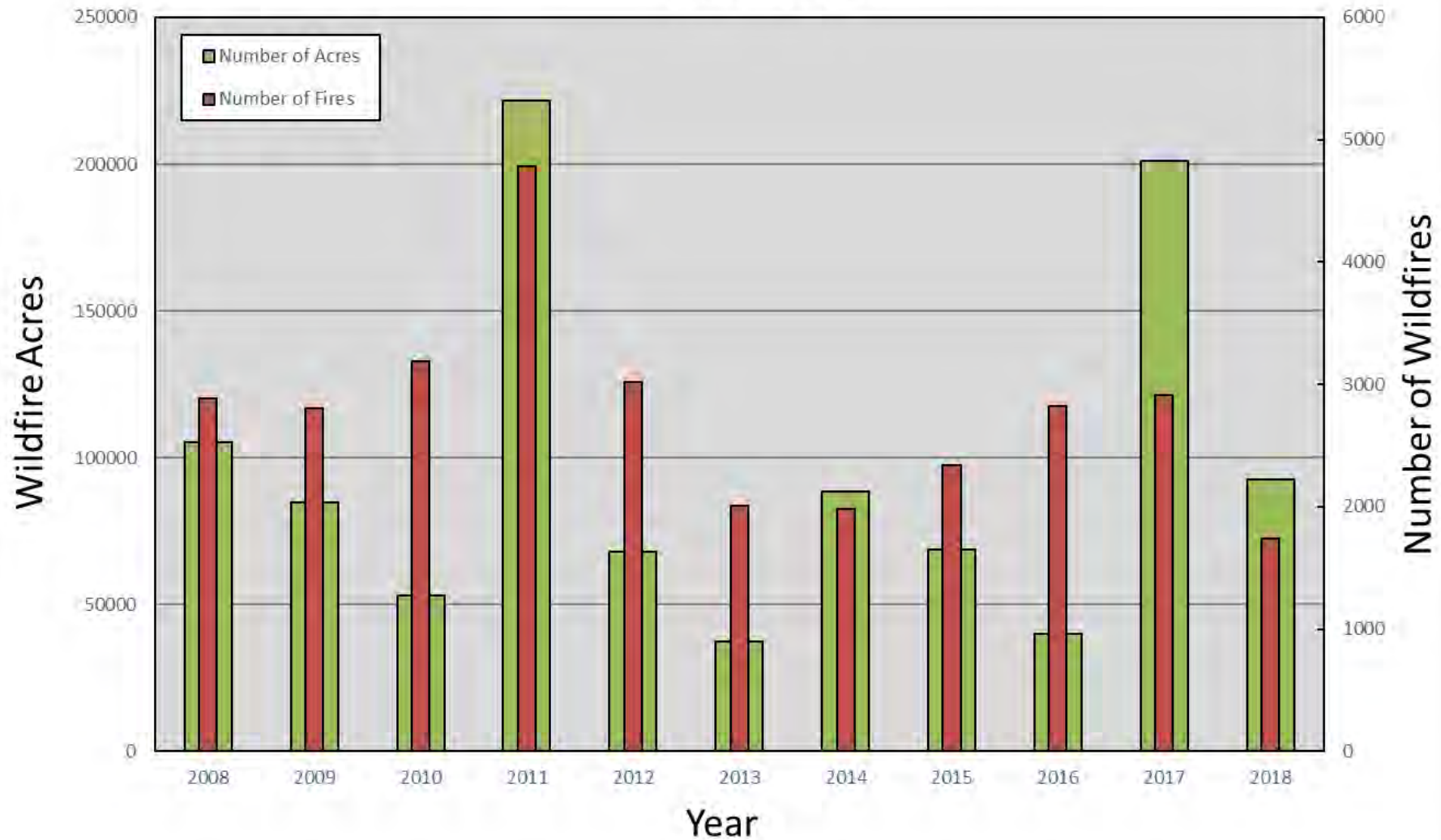
DEPARTMENT OF AGRICULTURE & CONSUMER SERVICES

Unique Management Challenges

- Promote and authorize use of prescribed fire in Florida
- Enforcement of open burning laws and statutory responsibility to suppress wildfire
- Must carefully balance these two responsibilities



Total Number of Wildfires and Total Wildfire Acres Statewide from 2008 - 2018



ADAM H. PUTNAM, COMMISSIONER



DEPARTMENT OF AGRICULTURE & CONSUMER SERVICES

Thank you!

Erin Albury, Assistant Director
Florida Forest Service

Erin.Albury@FreshFromFlorida.com



ADAM H. PUTNAM, COMMISSIONER



DEPARTMENT OF AGRICULTURE & CONSUMER SERVICES