#### The Florida Senate

#### **COMMITTEE MEETING EXPANDED AGENDA**

#### AGRICULTURE Senator Montford, Chair Senator Dean, Vice Chair

MEETING DATE:	Tuesday, January 20, 2015
TIME:	3:30 — 5:00 p.m.
PLACE:	301 Senate Office Building

MEMBERS: Senator Montford, Chair; Senator Dean, Vice Chair; Senators Bullard, Galvano, Garcia, Grimsley, and Sobel

TAB	BILL NO. and INTRODUCER	BILL DESCRIPTION and SENATE COMMITTEE ACTIONS	COMMITTEE ACTION
1	Discussion of Amendment 1 as it Relates to	Agricultural Programs	Discussed
2	Update on the Apalachicola River Basin and	Вау	Presented
3	Update on Florida's Bear Population		Presented
	Other Related Meeting Documents		

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(Deliver BOTH copies of this form to the Senator	or Senate Professional Staff conducting the meeting)	
Meeting Date	Bill 1	Number (if applicable)
Topic <u>Senate Agriculture Committee M</u> Name <u>Rich</u> Budell	Amendment	Barcode (if applicable)
Job Title Director, Office of Agricultural	Water Policy	
Address 400 South Monoe Street	v Phone <u>617-77</u>	200
Tallahassee FL City State	<u>32399</u> Email	
Speaking: For Against 🔀 Information	Waive Speaking: In Support (The Chair will read this information in	Against <i>nto the record.)</i>
Representing Florida Department of	Agricuture and Consumer Se	rvices
Appearing at request of Chair: 📈 Yes 🗌 No	Lobbyist registered with Legislature:	Yes 🔀 No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

This form is part of the public record for this meeting

FDACS Role in Water Resource Protection, Conservation and Planning

> Florida Senate Agriculture Committee Senator Bill Montford, Chairman January 20, 2015

Rich Budell, Director Office of Agricultural Water Policy



### Florida Agriculture

- \$115B industry, 2.1M jobs, \$13.3B annually in tax revenues
- Agriculture provides net economic benefit to the public
  - For every \$1.00 paid in property tax agriculture only requires \$0.29 in public services
- 300 crops grown commercially
- Occupies over 18 million acres
  - approximately 52% of the state's total land use
- Consists of 47,700 private farms
- Provides for biological diversity, aquifer recharge, flood control, wetland preservation, wildlife habitat

To continue to provide these benefits, agriculture needs sufficient & stable water supply



### Water Resource Protection Water Quality BMPs – What are they?

- Practice or combination of practices based on research, fieldtesting and expert review, to be the most effective and practicable on-location means, including economic and technological considerations, for improving water quality in agricultural and urban discharges
- Nutrient (nitrogen & phosphorus) Management
- Stormwater Management
- Irrigation Management
- Fencing / Buffers near Waterways



### **BMPs – What do they look like?**





### **BMPs – What do they look like?**





#### **BMPs – What do they look like?**

#### **Weather Stations**

#### **Observation Wells**





#### **Soil Moisture Monitoring**





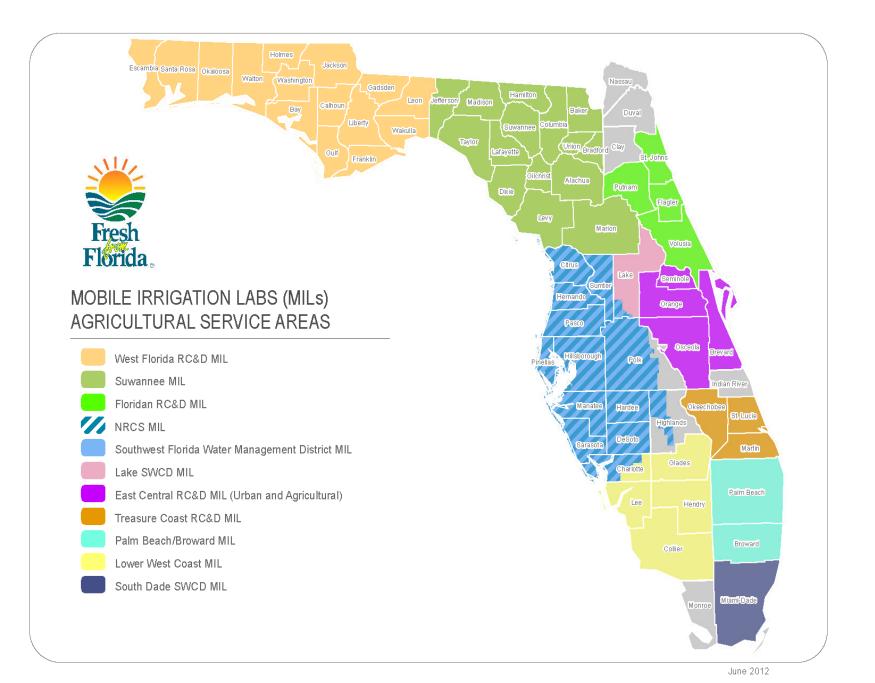
Florida Department of Agriculture and Consumer Services

FDACS BMP Enrollment, S Commodity	Fotal NOI Acres	# of NOIs
Citrus	565,731.95	
Cow/Calf	2,356,096.04	
Dairy	47,811.03	
Equine	2,340.25	
Fruit/Nut	8,171.70	207
Mixed Use	101,074.57	3
Nursery	30,146.89	1,192
Row Crops	1,137,109.97	
Sod	62,648.41	62
Sub Total	4,311,130.81	7,581
Forestry	5,305,121.34	
Grand Total	9,616,252.15	
Major Lakes &		Equine
Public/Manage	ed/Tribal Lands	Fruit/Nut
Urban Areas (2	2007)	Mixed Use
County Bounda	aries	Nursery
Commodity		Row Crops
Citrus		Sod Farms
Cow/Calf		Forestry*
Dairies		
* Florida Forest Service D	Pata	
Disclaimer: This map/information represents a t is not binding, and does not otherwise affect and are affected by continual changes in land	t the interests of any persons, include	ling any vested rights or existing

### Water Resource Conservation

- Agriculture is second largest user of fresh water in Florida
- Access to adequate quantities of fresh water is critical
- Commitment to conservation/efficiency (Mobile Irrigation Laboratories)
- In partnership with water management districts to develop alternative water supply projects
- Participate with stakeholders to develop innovative water storage programs on private lands
- Preserving agricultural lands is critical for water storage and treatment, ground water recharge, and wildlife corridors





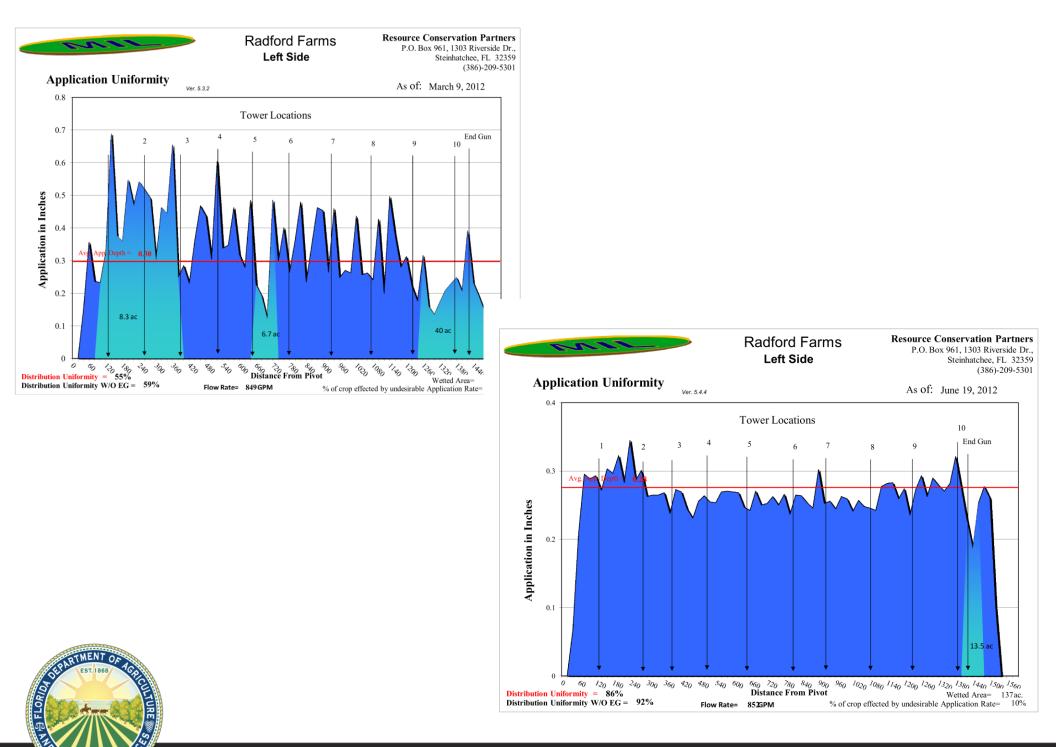








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Florida Department of Agriculture and Consumer Services • Adam H. Putnam, Commissioner

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### Water Resource Conservation

- Conducted nearly 7500 system evaluations
- Covering 300,000 acres
- Documented conservation of nearly 32 mgd
- Estimated conservation of over 60 mgd



# **Agricultural Water Supply Planning**

- Agricultural irrigation returns 40 to 50 % of pumped water to surface water or aquifer
- 85% of water used is for food production
- Water use estimates decreased by 8% between 2005 and 2010
  - During the same time period, production has increased
- Tapped into alternative water supplies
  - Storm water and irrigation capture and reuse
  - Use of reclaimed water
- Commitment to efficient use
  - Mobile Irrigation Laboratory evaluations
  - Technology upgrades

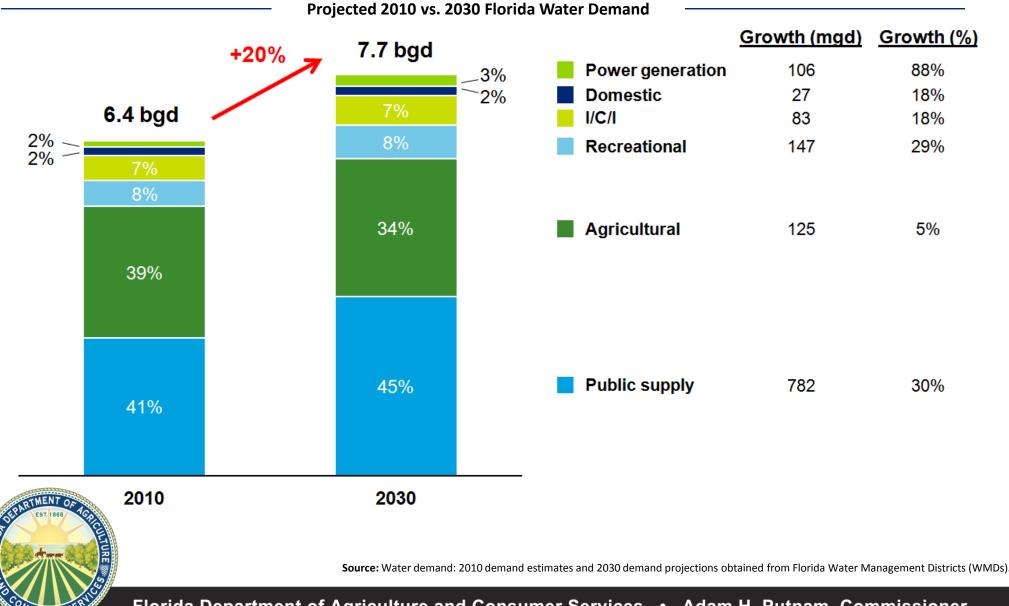


# **Agricultural Water Supply Planning**

- Agriculture is a "self-supplier" of water and cannot pass on the cost of wells, pumps etc.
- In 2010, domestic supply overtook agriculture as the largest water user
- By 2030 domestic supply demand will increase by 30% agricultural supply demand will increase by only 5%
- Competition issues
  - Dover/Plant City
  - Central Florida Water Initiative
  - Lake Okeechobee
  - North Florida Regional Water Supply Partnership



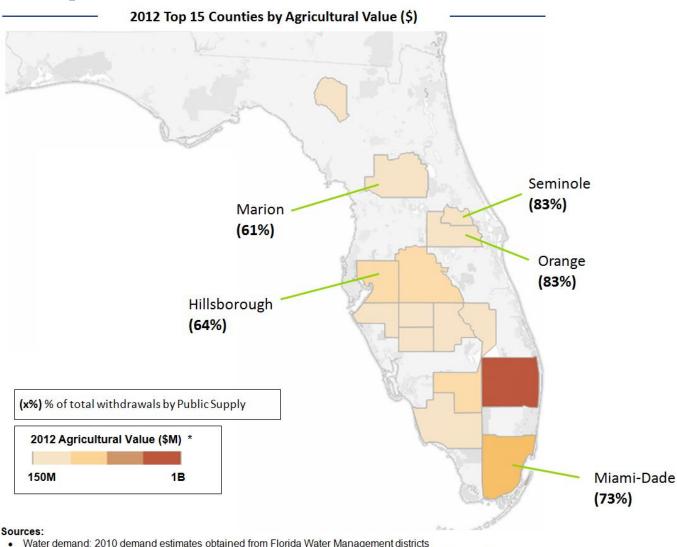
#### Projected water demand expected to increase 20%



# Top producing agricultural counties compete for water

#### **Key Observations**

- 5 of the top 15 agricultural producing counties face potential competition for water from public supply
- Demand from public supply in these counties averages over 60% of water demand compared to the overall public supply average of 41%



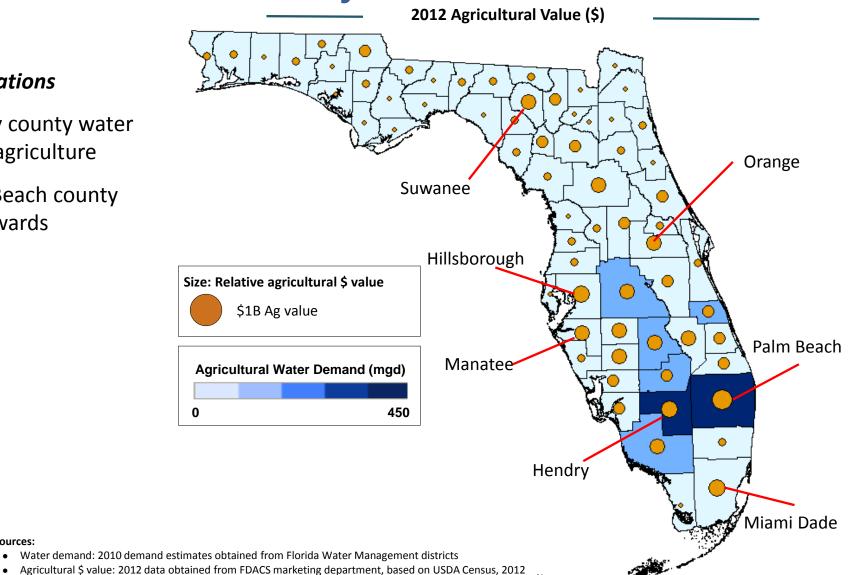
Agricultural \$ value: 2012 data obtained from FDACS marketing department, based on USDA Census, 2012

### Agricultural value (\$) & water demand aren't always related

#### **Key Observations**

- 98% of Hendry county water goes towards agriculture
- 57% of Palm Beach county water goes towards agriculture

Sources:

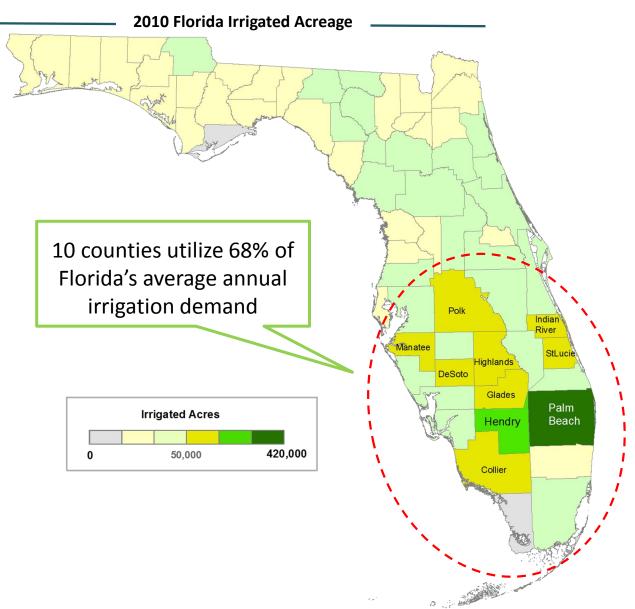




### Irrigated Agricultural Acreage by County

#### Key Observations

- The top 2 counties in agricultural water demand, Palm Beach and Hendry, use 39% of the total average annual irrigation demand
- Palm Beach: 419,000+ ac, 721 mgd
- Hendry: 194,000+ ac, 294 mgd





## Why do we plan for water supply?

s. 373.705(2)(a) F.S. (1997)

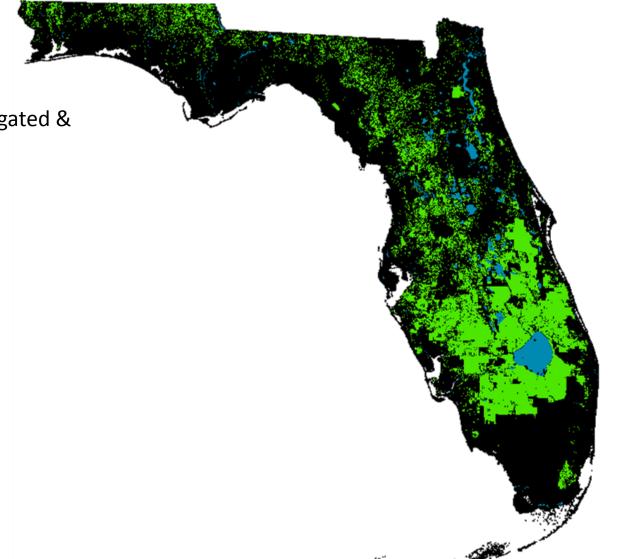
It is the intent of the Legislature that:

"Sufficient water be available for all existing and future reasonable – beneficial uses and the natural system, and that the adverse effects of competition for water supplies be avoided."



### **Agricultural Acreage in Florida**

2010 Florida Agricultural Acreage



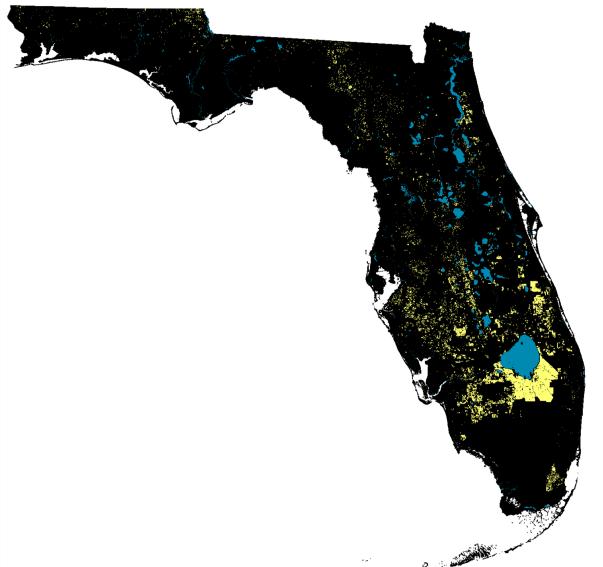
#### Key Observations

• 2010 Statewide agricultural acreage (irrigated & non-irrigated lands) is 8,613,770 acres



### **Irrigated Agricultural Acreage in Florida**

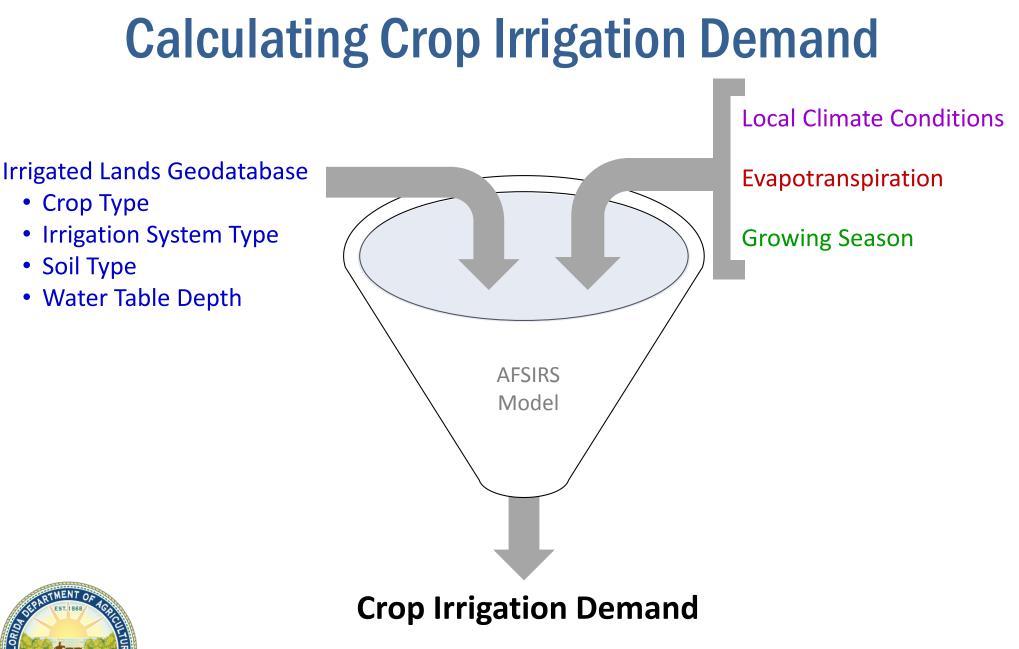
#### 2010 Florida Agricultural Acreage



#### **Key Observations**

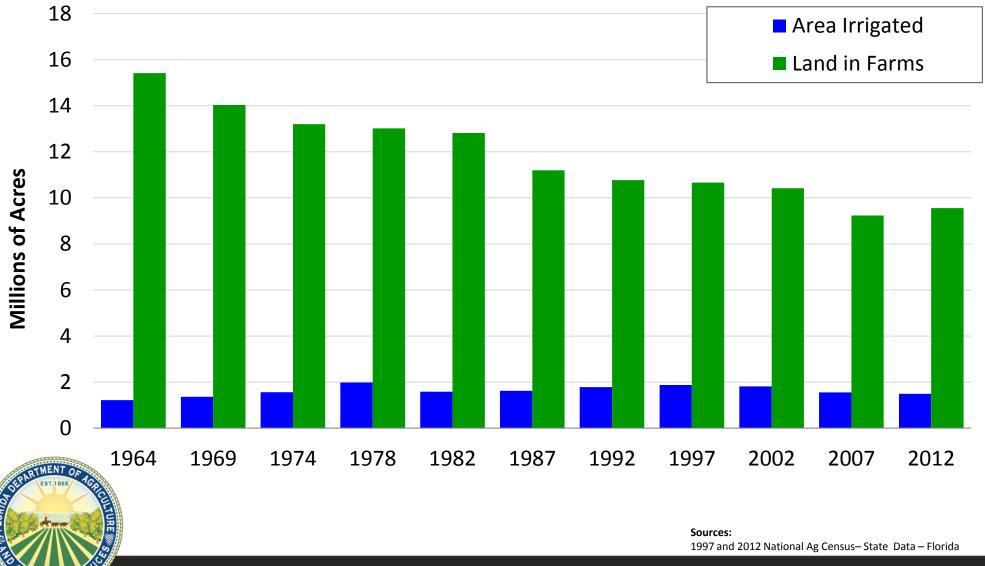
- In 2010, there were 1,738,961 acres of irrigated Ag lands in Florida
- Less than 20% of all agricultural lands are irrigated





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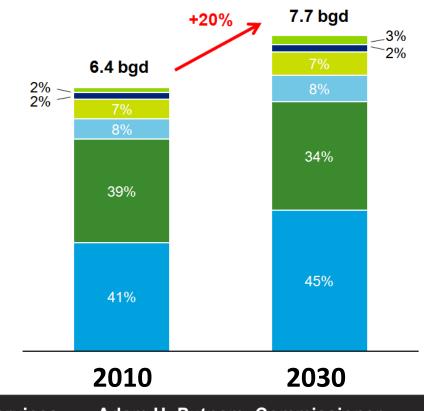
# Historical Land in Farms & Irrigated Acreage



# Meeting Florida's Growing Water Demands

 Will require a variety of alternative water supply projects, resource optimization strategies, and conservation measures.

 Irrigated agricultural lands geodatabase will ensure future agricultural demand estimates are as precise as possible.





# **Agricultural Water Supply Challenges**

- Diversity of Florida agriculture
- Changing economic conditions
- Climate events (droughts, storms)
- Pests and diseases
- Changing markets and consumer preferences
- Projected population growth from 7 to 9 billion by 2050
- Food production will have to increase 70%



### **Questions?**

### Rich Budell 850-617-1704 Rich.Budell@FreshFromFlorida.com



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APPEARANCE RI	ECORD
Deliver BOTH copies of this form to the Senator or Senate Profe	essional Staff conducting the meeting)
Meeting Date	Bill Number (if applicable)
Topic Oysters	Amendment Parado (if applicable)
NameJim Estes.	Amendment Barcode (if applicable)
Job Title Deputy Director, FWC's Division	of Marine Fisheries Maragement Phone 487-0554
Address 620 5. Meridian	Phone 417-0554
Street Talahassee fl 323 City State Zip	39 Email_im_estes@mytwc.com
Speaking: For Against Information Wa	aive Speaking: In Support Against ne Chair will read this information into the record.)
Representing FWC	
Appearing at request of Chair: Yes No Lobbyist	registered with Legislature:
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S-001 (10/14/14)



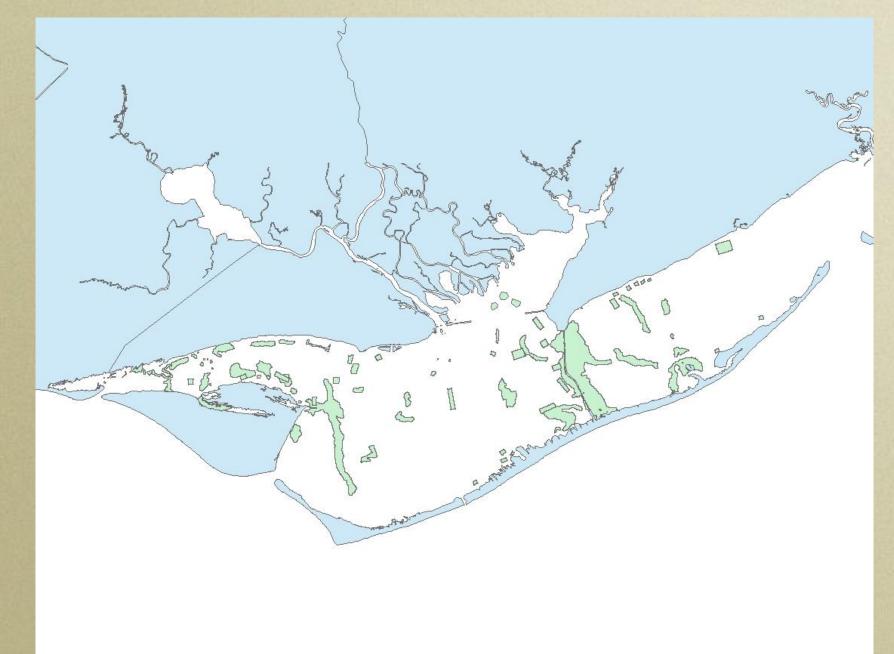


#### Apalachicola Bay Oyster Fishery Update

Senate Agriculture Committee January 20, 2015

Florida Fish and Wildlife Conservation Commission

#### Apalachicola Bay





#### **Oyster Fishery**

- Apalachicola Bay historically produced 12% of the nation's harvest of Eastern Oysters
- **2012-13** -
  - harvest significantly lower than the previous five year average
  - Hurt local economy
  - Governor Rick Scott requested a fishery failure for the oyster from the U.S. Department of Commerce
- **2013-14**
  - diminished harvest
  - FWC lowered bag limit



#### What is Happening to Improve Situation

- Litigation
- Coordination with state agencies and local governments
- Adaptive Harvest Regulations
- Increased Monitoring
- Increased Enforcement
- Habitat Restoration





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APPEARANCE I	RECORD
(Deliver BOTH copies of this form to the Senator or Senate )	Professional Staff conducting the meeting)
Meeting Date	Bill Number (if applicable)
Topic Great to support Dyster indus	Amendment Barcode (if applicable)
Name Tom Gendenning	
Job Title Wirkford Services Director	
Address Celowell Building	Phone 850 2457499
Street Tellchossee FL 323	99 Email on Clendennes Oder. my dbr. Into
City State 2	Zip
Speaking: For Against X Information	Waive Speaking: In Support Against (The Chair will read this information into the record.)
	·
Appearing at request of Chair: X Yes No Lobby	vist registered with Legislature: 🗌 Yes 📈 No

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Topic Szafcod		Ameno	dment Barcode (if applicable)
Name Sharnon Hartstield			
Job Title SMARRT			
Address 376 Stat St		Phone 850	653-5190
Street $\underbrace{\textit{Ecstpoint}}_{City}$ $\underbrace{\textit{Ecstpoint}}_{State}$	3232 C	Email <u>Sharr</u>	on aber a yehoo. Con
Speaking: For Against Information	•	peaking: V In Su ir will read this inform	pport Against
Representing			
Appearing at request of Chair: Yes No	Lobbyist regist	ered with Legislat	ure: Yes No
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S-001 (10/14/14)

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APPEARANCE R	ECORD
Deliver BOTH copies of this form to the Senator or Senate Pro	ofessional Staff conducting the meeting) Bill Number (if applicable)
Meeting Date /	
Topic Bears	Amendment Barcode (if applicable)
Name Dr. Thomas Eason	
Job Title Director, Fwc's Division of Habita	-and Species Conservation
Address 620 S. Meridien	Phone <u>488-3831</u>
Street Talabassee FL 32 City State Zip	399 Email thomas eason of ion
	Vaive Speaking: In Support Against (The Chair will read this information into the record.)
Representing $FWC$	
Appearing at request of Chair: Yes No Lobbyis	st registered with Legislature: 🏹 Yes 🗌 No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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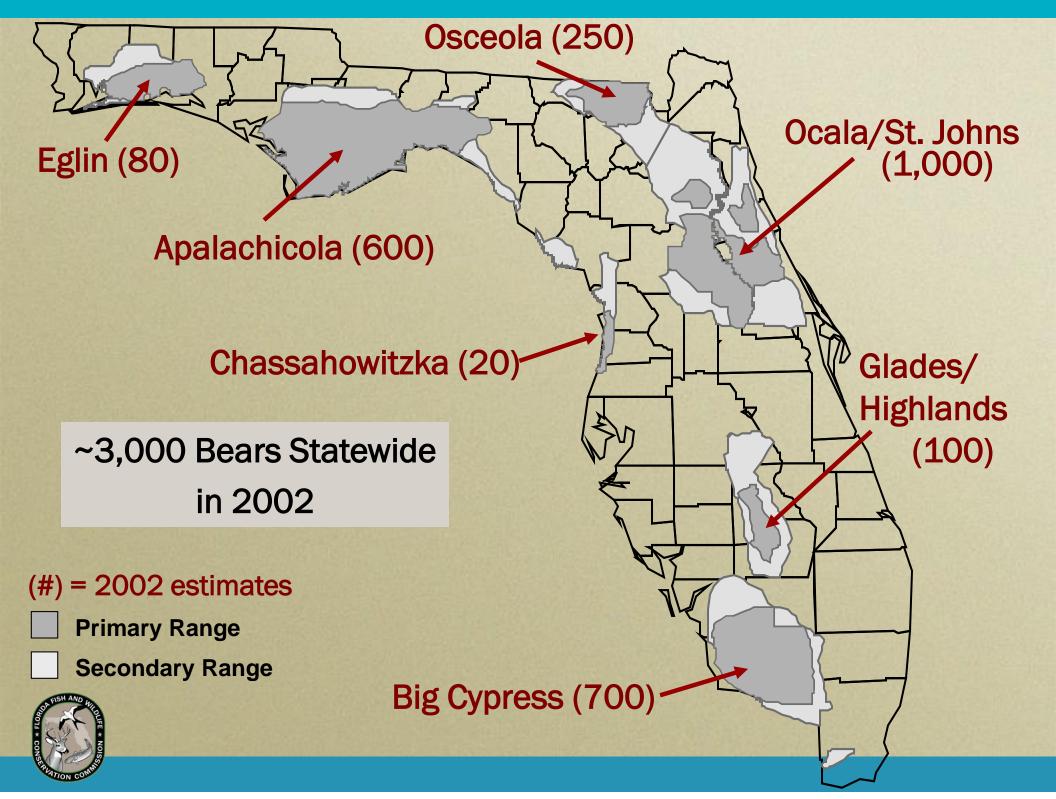


#### Bear Management in Florida



#### Senate Agriculture Committee

January 20, 2015 Dr. Thomas Eason, Division of Habitat and Species Management Florida Fish and Wildlife Conservation Commission



### History of Bears in Florida

1950's = Estimated 500 bears

1974 = Listed as State Threatened

1990 = Federal petition to list via the Endangered Species Act

2004 = Federal listing not warranted

2012 = Removed from State List





### 2012 Bear Management Plan

"Maintain sustainable black bear populations in suitable habitats throughout Florida for the benefit of the species and people"

4 Conservation Focus Areas:

- Population Management
- Habitat Conservation
- Human-Bear Conflict Management
- Education and Outreach







Human-

Bear

Conflicts





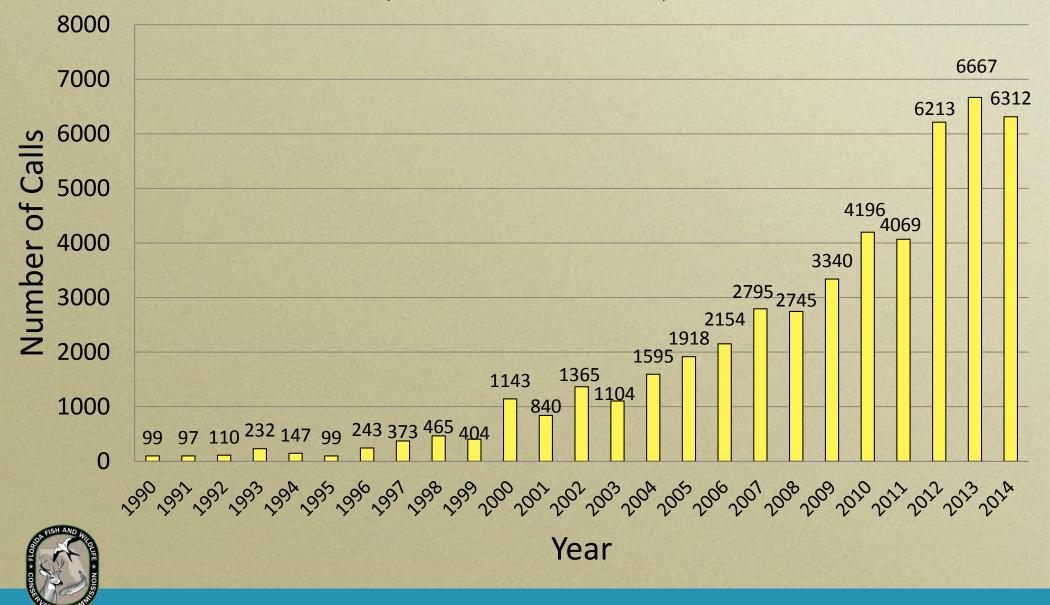






Milt Fox

#### Bears Calls 1990 – 2014 (total = 48,725)



#### Bear Attacks Since 2012

- 12/2/13 Longwood woman attacked by female bear with cubs while walking dogs
- 4/12/14 Lake Mary woman attacked by female bear feeding on garbage while walking in yard
- 12/3/14 Lake Mary woman attacked by female bear with cubs while walking dog
- 12/21/14 Eastpoint teenager attacked by female bear with cubs while walking dog

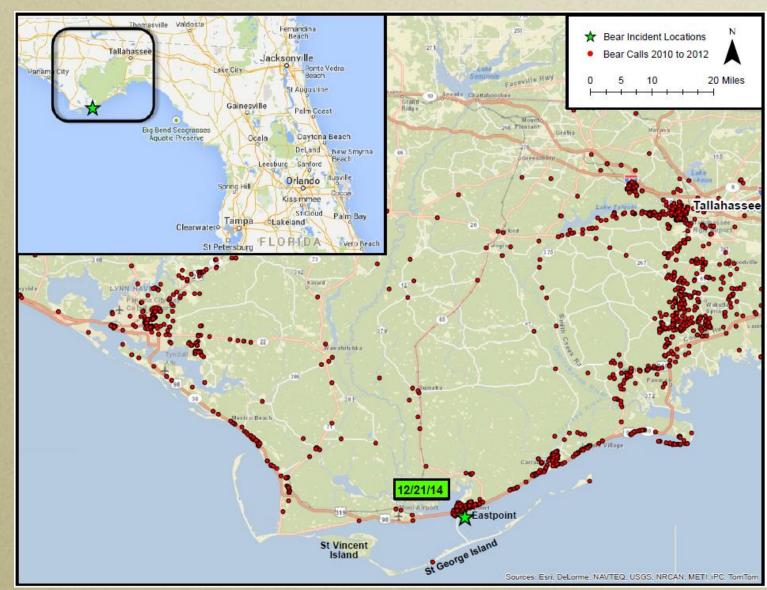


### Eastpoint Response

 6 bears captured

 4 bears euthanized

 2 cubs moved to Osceola NF





## Addressing Human-Bear Conflicts

- Respond to specific human/bear conflicts
  - ✓ 20 contractors to catch and remove bears
- Provide bear response trainings for local officers
  - ✓ 1,500 trained from 60 agencies since 2007
- Provide technical assistance
  - ✓ engage with > 20,000 people/year
- Partner with local governments and waste companies
  - ✓ 11 counties have bear-resistant trashcans



### 2014 Expansion of Bear Response

Additional legislative funding has provided:

- 3 new full-time Area Bear Biologists
- 7 additional Bear Response Contractors
- Increased traps, vehicles, and other equipment







### Key Next Steps

#### Short Term:

- ✓ Accelerate removal of bears that pose public safety risk
- ✓ Consider hunting for population management
- Expand bear-resistant trashcan availability
- Partner with homeowner associations and local government on outreach
- Empower individuals to help deal with problem bears
- ✓ Clarify feeding prohibitions

Legislative proposal to modify feeding penalties







#### Long Term:

polizeros.com

✓ Work with local government to implement comprehensive waste management policies in conflict areas

 Periodically update statewide bear population and range estimates

✓ Maintain and enhance short term actions





# Thank You



THE FLORIDA SENATE	
APPEARANCE RECORD	
123/15 (Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting	the meeting)
Meeting Date	Bill Number (if applicable)
Topic BEARS	Amendment Barcode (if applicable)
Name DAVID CULLEN	
Job Title	
Address 1674 UNIVERSITY FEWY #296 Phone	941.323-2404
City State Zip Email of	ullenasee @ aol.com
Speaking:    For    Against    Information    Waive Speaking:      (The Chair will read the content of	In Support Against Against information into the record.)
Representing SIERRA CLUB FLORIDA	2
Appearing at request of Chair: Yes Yes Lobbyist registered with I	Legislature: Ves No

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S-001 (10/14/14)



#### THE FLORIDA SENATE

Tallahassee, Florida 32399-1100

COMMITTES: Agriculture Appropriations Subcommittee on Education Education Pre-K-12 Government Oversight and Accountability Transportation, Vice Chair

JOINT COMMITTEE: Joint Administrative Procedures Committee Joint Select Committee on Collective Bargaining

SENATOR DWIGHT BULLARD 39th District

January 20, 2015

Chairman Montford,

I am requesting to be excused from our Agriculture Committee meeting on Tuesday, January 20, 2015 at 3:30 pm.

Due to a travel mishap, I will not be in the capitol until later this evening.

Sincerely,

Dwight M. Bullard

State Senator, District 39

REPLY TO: D 10720 Caribbean Boulevard, #435, Cutler Bay, Florida 33189 D 218 Senate Office Building, 404 South Monroe Street, Tallahassee, Florida 32399-1100 (850) 487-5039

Senate's Website: www.flsenate.gov

DON GAETZ President of the Senate

GARRETT RICHTER President Pro Tempore

#### CourtSmart Tag Report

Room: S Caption:	B 301 Senate Commitee on Agr	Case: iculture Judge:	Туре: ]
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4:11:17 F		a question of Mr. Budell	
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4:50:49 P	M Sen Grimsley with a	comments	
4:51:14 P	M Senator Sobel with	question	

- 4:51:38 PM Mr Eason responding
- 4:52:01 PM Sen Sobel with follow up
- 4:52:09 PM Mr. Eason responding
- 4:52:21 PM Senator Sobel
- **4:52:51 PM** Mr. Eason responding
- 4:53:38 PM Senator Montford with question
- 4:54:05 PM Mr. Eason responding
- 4:54:39 PM Senator Montford with follow up
- 4:54:45 PM Mr. Eason responding
- 4:55:14 PM Mr. Eason responding
- **4:55:22 PM** Senator Dean with a question
- 4:55:35 PM Mr. Eason responding
- 4:56:16 PM Mr David Cullin, Sierra Club of Florida
- 4:57:51 PM Closing comments and Senator Grimsley Move to Rise
- 4:57:56 PM Meeting adjourn

#### FRANKLIN COUNTY

reply to 🏼 🗇

BOARD OF COUNTY COMMISSIONERS 33 MARKET STREET, SUITE 203 Apalachicola, FL 32320 (850) 653-8861, Ext. 100 Fax (850) 653-4795



reply to 🏼

Planning & Building Dept. 34 Forbes Street Apalachicola, Fl 32320 (850) 653-9783 Fax (850) 653-9799

January 20, 2015

Chairman Montford and Members of the Senate Agriculture Committee Room 301 Senate Office Bldg Tallahassee, FL

Dear Chairman Montford:

The Franklin County Board of County Commissioners (Board) requests that this letter on the management of the Florida Black Bear population be entered into the record of today's Agriculture Committee meeting.

On Sunday, December 21, 2014, a young lady in Eastpoint was viciously attacked by a Florida Black Bear. Thanks to the heroic efforts by the young lady, she survived the attack. However, this incident could have occurred any number of times in the preceding years as the bear population in populated areas in Franklin County has increased without restriction. The Board appreciates the actions that the Florida Fish and Wildlife Commission (FWC) is now making in response to this attack, and we wholeheartedly encourage the Legislature to give FWC the authority to develop a bear management plan that will deal with bears more aggressively in urban areas.

This bear attack occurred in downtown Eastpoint. The bear was only 1 block away from US 98. The scenario could just as easily turned into another bad situation if the bear had run out into traffic and caused an accident. The people of Franklin County want the bears to be in the woods, and not in their backyards. When the bears begin to invade urban areas, FWC needs to be allowed to manage the bears effectively so to minimize human/bear interaction.

The Board supports the efforts of FWC to develop the proper rules and management policies so that bears are kept in their own environment.

Sincerely,

allen

William Massey, Chairman

CC: County Commission

PINKI JACKEL District One CHERYL SANDERS District Two

NOAH LOCKLEY, JR. District Three JOSEPH PARRISH District Four WILLIAM MASSEY District Five