



**U.S. Fish & Wildlife Service**

**Arthur R. Marshall**

**Loxahatchee National Wildlife Refuge**

# **Refuge Hydrologic and Water Quality Modeling**

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# Acknowledgements

Data were obtained from:

- DBHYDRO website – South Florida Water Management District
- SOFIA website – USGS
- University of Florida - IFAS
- Village of Wellington

# TO LEARN MORE

- Email: [mike\\_waldon@fws.gov](mailto:mike_waldon@fws.gov)
- Visit: <http://sofia.usgs.gov/>
- Attend: Workshop #3, Jan 08



# AGENDA

TIME	TITLE	PRESENTER(S)
10:00	Introduction	Dr. Mike Waldon
10:05	STELLA Modeling of Refuge Stage	William Roth
10:30	Spatial Aggregation using Cluster Analysis	Sherif Abdou
10:50	BREAK	-----
11:00	Hydrodynamic Modeling – MIKE-FLOOD	Dr. Ehab Meselhe
11:45	<i>LUNCH (ON YOUR OWN)</i>	-----
1:00	Water Quality Model Structure – Eco LAB	Dr. Mike Waldon
1:30	Eco LAB Modeling Results - Chloride	Dr. Mike Waldon
1:50	BREAK	-----
2:00	Eco LAB Modeling Results – SO <sub>4</sub> and TP	Dr. Chunfang Chen
2:50	Summary & Future plans	Dr. Ehab Meselhe