



U.S. Fish & Wildlife Service

Arthur R. Marshall

Loxahatchee National Wildlife Refuge

Refuge Hydrologic and Water Quality Modeling

Dr. Ehab Meselhe,

Jeanne C. Arceneaux, William (Ben) Roth,

Sherif Abdou, Dr. Chunfang (Tracy) Chen,

Dr. Alonso Griborio, Dr. Hongqing Wang,

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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
- 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 ₄ and TP	Dr. Chunfang Chen
2:50	Summary & Future plans	Dr. Ehab Meselhe