

SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD)
WATER RESOURCES ADVISORY COMMISSION (WRAC)
Upper East Coast Water Supply Plan Regional Workshop
University of Florida, IFAS
2199 South Rock Road, Room 219
Ft. Pierce, Florida 34945
WEDNESDAY, MAY 5, 2010, 9:30 AM
MEETING SUMMARY

Items 1 & 2. Welcome and Opening Remarks and Introductions, Updates, and Today's Topics - Mark Elsner, Director Water Supply Development

Mr. Elsner welcomed the participants because Mr. Powers was not able to attend the meeting. Mark Elsner read the following change notice for the record: Chapter 120, Florida Statutes authorizes changes to a published public meeting agenda for good cause shown. As Chair of the Issues Workshop I find good cause to make the following agenda change: Add as part of Item 5, a presentation on "Hydrogeology of the Florida Aquifer System" by Emily Richardson, Lead Hydrogeologist, Water Supply Technical Support Division, Regulatory and Public Affairs, SFWMD.

Item 3. February 25, 2010 Meeting Follow-up – Linda Hoppes, Lead Planner, Water Supply Planning Section

Ms. Hoppes provided updated Recreation and Landscape projections. This was a decrease from the numbers presented in February and was because of a computational error.

Item 4. Water Resource Development and Water Supply Development Projects – Linda Hoppes.

Questions and answers in this item were:

Q. Is the number of projects known?

A. The projects will be included in the Utility Summaries and they may look a bit different this year because projects are listed by facility with phases to the project rather than each phase be a separate project.

Item 5. Hydrogeology of the Floridan Aquifer System – Emily Richardson, Lead Hydrogeologist, Water Supply Technical Support Division, Regulatory and Public Affairs, SFWMD.

Q. How has use of the Floridan aquifer in the LWC affected water quality?

A. There is not a lot of historical water quality data. We have seen some changes in area such as Marco Island with upconing.

Q. One slide showed a 40' drawdown; where is this well located?

A. The Kissimmee Basin.

Q. Is there a way to determine sustainability of the aquifer such as with pressure gages on wells? How is availability of water determined? How fast are we depleting water?

A. There are a lot of unknowns and some of these unknowns need to be addressed with modeling. The modeling is complicated and needs to look at complete areas. We are working with St. John's River and Southwest Florida water management districts on this topic. Additionally, the US Geological survey just began a Floridan project that should be completed sometime next year.

Q. How is this being handled in the Central Florida Coordination Area (CFCA)?

A. The three water management districts are working together and looking at the area as a whole system. Modeling is being developed for the area.

Q. Is it true that agriculture has used more water in the past than they use today? Does public water supply use less than agriculture?

A. We do not have comprehensive information on historical agriculture water use because pumpage data was not required until recently. In the region, the Florida aquifer is used to supplement use of surface water when surface water availability is limited. Estimation of Floridan use has been calculated in previously UECWSPs. With decreases in irrigated citrus acreage, we would expect less Floridan usage than used historically. Use of the Floridan aquifer by agriculture is seasonal and variable depending on the availability of surface water, while PWS needs are more stable. Comments from participants indicated that water used by agriculture is often used 'several times' as it moves through the system. Older permit data did not reflect true use and the new permit renewals include more accounting of actual use.

Q. Is there a database of free-flowing wells?

A. Not that we are aware of. Permit conditions include the responsibility to maintain wells in good working order and properly plug abandoned wells.

Water Source Options – “Tools in the Toolbox” – Mark Elsner

A concern was raised that the current lower agriculture acres will affect growers ability to get permits. It was stated that most permits were recently renewed for 20 years and these permits reflect historical acres used. An additional concern was that because citrus has been proactive (100% enrollment in BMP program), they could have it said they are not taking steps to conserve.

Q. How were the agriculture acreage projections developed – from permit data, USDA or what?

A. This data came from a number of sources including permits, USDA (FASS) data, Florida Department of Agriculture and Consumer Services, IFAS, Florida Farm Bureau, and the Citrus League. The consensus was the numbers are good with the available information and may change at the next 5-year update because of strides made in new citrus stock or growing methods.

Q. How will the EPA Nutrient Rule affect reuse and potentially polluting water bodies?

A. The District has raised this issue and understand that a change would affect all water management districts. We share the concern and are monitoring the situation.

Item 6. State of Public Water Supply Industry: Martin County Utilities – Anne Murray, County Hydrogeologist and Ft. Pierce Utilities Authority – Valerie Schulte, Supervising Engineer.

Item 7. Overview of Water Conservation – Jesus Rodriguez, Lead Conservation Officer, Water Supply Development Division.

Item 8. Review Draft UEC Chapters – Linda Hoppes

Item 9. Wrap Up/Next Steps– Linda Hoppes and Mark Elsner

It was asked when we wanted input/comments on the chapters; the response was May 31st. It was asked by the USACE if the District has an effort to assist utilities in a catastrophic event and the response was that staff was not aware of anything. Several questions were asked about water farming – where will this be covered in the plan and what is the district doing to work with the federal government on exemptions from

migratory bird rules, etc.? The response was that water farming will be included in the plan potentially under agricultural water conservation and surface water storage and the agriculture group is working on the issues associated with water farming such as migratory bird rules.

Item 10. Adjourn: 12:05



INTERESTED PARTIES – SIGN IN SHEET
Upper East Coast Regional Water Supply Plan – WRAC Issues Workshop
Wednesday, May 05, 2010

PLEASE PRINT CLEARLY

NAME	ADDRESS & PHONE	E-MAIL ADDRESS
Alrick Hayes	on file	
Rebecca Elliott	FDAES/0AQP West Palm	rebellittle@sfumnd.gov
Kristi Fecko		Kristin.fecko@aecom.com
Kately LaMartini	SFUMND	KLAMART@SFUMND-GOV
Keith Stephens	Fort Pierce Utilities Authority	Kstephens@fpua.com
TERRI HESS	TCRPC 421 SW Camden Ave, Stuart	THESS@TCRPC.ORG
Gardenia Long	SFUMND	glong@sfumnd.gov
Elizabeth Thomas	SSRWMD	ethomas@ssrwmd.com
Joanne van Tilburg	Parsons Brinckhoff	vantilburg@pbworld.com
Peter McClure	660 Beachland Blvd Vero	pmcclure@evans.popc.com
Aimee Meezy		ameeray@markefly
Cynthia Gofvert	SFWMD	cgofvert@sfumnd.gov



INTERESTED PARTIES – SIGN IN SHEET

Upper East Coast Regional Water Supply Plan – WRAC Issues Workshop
 Wednesday, May 05, 2010

PLEASE PRINT CLEARLY

NAME	ADDRESS & PHONE	E-MAIL ADDRESS
Rick Melchiori	3150 CARDINAL DR. V.B. 32967 772 234-5234	RMELCHIORI@BeckenHboring.com
TERRY CLARK	2109 Greenview Ave Dr. Wellington FL	TCLARK@ENTRIX.COM
Tom Kosier	SFWMD	tkosier@sfwmd.gov
Emily Richardson	SFWMD	ehopkins@sfwmd.gov
Jane Bucca	SFWMD	jbucca@sfwmd.gov
CRAIG LINTON JR	EVANS	
Valerie Schulte	34950 113N. 2nd St, Fort Pierce	vschulte@fpua.com
UMESH ASRANI	900 SE OGDEN LN, PORT ST. LUCIE.	UASRANI@CITYOFFPSL.COM.
Jason Bessey	St. Lucie County	
Chris Lestrage	St Lucie County	lestragec@stlucieco.org
Michael Halterm	St. Lucie County	Halterm@stlucieco.org
Susan Kaynor	USACE	Susan.R.Kaynor@USACE.army.mil



INTERESTED PARTIES – SIGN IN SHEET
Upper East Coast Regional Water Supply Plan – WRAC Issues Workshop
Wednesday, May 05, 2010

PLEASE PRINT CLEARLY

NAME	ADDRESS & PHONE	E-MAIL ADDRESS
CHARLES SHANN FLORIDA FARM BUREAU	PO Box 690342 VERO Beach 32909 352-538-0813	CHARLES.SHANN@FFBF.ORG
TIM CAVER		TCAVER.49@UFL.EDU
Laurie Waldie	St. Lucie Co. Utilities	WALDIE@STLUCIECO.ORG
Denise Burton	City of PSL UT	dburton@cityofpsl.com
Tom Lindsey	3150 Cardinal Dr. Vero Beach FL	tlindsey@beckerholding.com
RICHARD STENBERG	FLUA	rstenberg@fgua.com
Jayne Bergstrom	SFWMD	jbergstr@sfwmd.gov
Breck Maciek	Port St. Lucie U.	Bmaciek@cityofpsl.com
Bridget Kea	Port St. Lucie FL	bkea@cityofpsl.com
Mary Kinchel	City of Stuart	mkinchel@ci.stuart.fl.us
Dorey Bourgeois	PO Box 690007 Vero	info@iretiousleague.org