

Palm Beach County

Water Resources Task Force (WRTF)

August 17, 2023

1:30 PM

Vista Center, Room VC-1W-47 (1st Floor)

2300 North Jog Road, West Palm Beach, Florida 33411

Meeting Minutes

Water Resources Task Force Members

<u>Seat ID</u>	<u>Member</u>	<u>Organization</u>	<u>Alternate</u>	<u>Organization</u>
1	Monica Mayotte	City of Boca Raton	Vacant	City elected official
2	Robert Shorr	Town of Loxahatchee Groves	Vacant	City elected official
3	Chip Block (Chair)	Town of Jupiter Inlet Colony	Vacant	City elected official
4	DD Halpern	Town of Juno Beach	Vacant	City elected official
5	Karen Lythgoe	Town of Lantana	Vacant	City elected official
6	Robert Hagerty	Town of Lantana	Vacant	City elected official
7	Gregg Weiss	Palm Beach County Mayor	Vacant	Palm Beach County Commissioner
8	Poonam Kalkat	Water/Wastewater Provider Official	Julie Parham	Water/Wastewater Provider Official
9	Tommy Strowd	Lake Worth Drainage District	Vacant	Lake Worth Drainage District
10	Vacant	Drainage/Water Control District elected official	Vacant	Drainage/Water Control District elected official
11	Jay Steinle	South Florida Water Management District	Mark Elsner	South Florida Water Management District
12	Rachelle Litt (Vice Chair)	Environmental Representative	Vacant	Environmental Representative
13	Vacant	Agricultural Representative	Vacant	Agricultural Representative
14	Michael Johnson	Indian Trail Improvement District	Greg Shafer	Indian Trail Improvement District

Roll call was taken.

Milton (Chip) Block, Robert Shorr, DD Halpern, Karen Lythgoe, Robert Hagerty, Poonam Kalkat, Tommy Strowd, Mark Elsner, Rachelle Litt, and Michael Johnson.

With quorum, the WRTF unanimously approved the previous meeting minutes.

The following notes are a summary of the information provide at the discussions of the WRTF. This summary is not a transcript of the meeting.

Peter Kwiatkowski, P.G. Section Administrator, Resources Evaluation Section of the South Florida Water Management District (SFWMD) provided a presentation on the SFWMD Saltwater Interface Mapping and Modeling: The following bullets summarize the presentation.

- Described the types of Salt Water Intrusion (Lateral, Vertical, Surface, and Ancient).
- Described how wellfield are vulnerable to lateral and vertical saltwater intrusion.
- Described factors that affect saltwater intrusion.
- Described the saltwater intrusion monitoring network that uses existing monitoring wells and is update every five years.
- Describe the challenges with estimating the saltwater intrusion due to the complexity of the salt water wedge and presence of tidal canals.
- Described the under development SEAWAT-2022 three dimensional, variable-density groundwater flow and multi-species transport model which will be used to evaluate how salt water intrusion will be affect by sea level rise, changes in well field pumping, and changes in wellfield location. Of the six percent loss the losses can be small leaks, illegal/unmetered connections, with flushing for chlorination accounting for about half of the six percent. Small leaks are hard to find.

Lennart (Len) Lindahl, P.E. MacVicar Consulting provided a presentation on the Indian Trails Grove Water Resources Project (ITG-WRP). The presentation (as are all presentations) is available on the WRTF web page (<https://discover.pbcgov.org/wrtf/Pages/default.aspx>). The presentation included:

- Description of the water routes and required three pump stations
- Benefits of providing a critical portion of the connection from the L-8 Canal to the West Leg of the C-18 Canal and thereby to the Northwest Fork of the Loxahatchee River.
- Provides the capability to provide about 2,000 acre-feet of storage and treatment at a rate of 67 cfs which can be used to:
 - Provide water to the City of West Palm Beach's Grassy Waters Preserve (CWP GWP).
 - Provide City of West Palm Beach Municipal Water Supply
 - Provide Northwest Fork of the Loxahatchee River once future connection to ITID is made.
 - Minor reduction in discharge to Lake Worth Lagoon by itself moderate reduction if used in conjunction with the C-51 Reservoir Phase 2 Cell 12 and Cell 13. Includes similar water quality improvement.
- Will help to maintain ITID minimum canal level for fire protection

- Potential to provide minor drainage assistance to ITID if there is capacity in the CWP GWP.

Paul Linton, P.E. Palm Beach County Water Resources Manager provide and update on the FEMA FIRM appeal. FEMA has approved an Independent Scientific Panel Review of the appeal. Subsequent to the meeting the five panel members were selected and met on October 6, 2023. The next step is a presentation to the Scientific Panel by FEMA and PBC which is schedule for November 20, 2023.