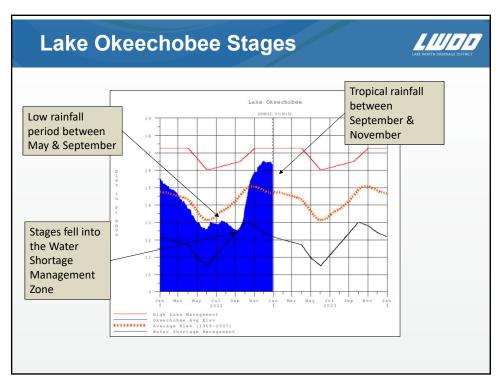


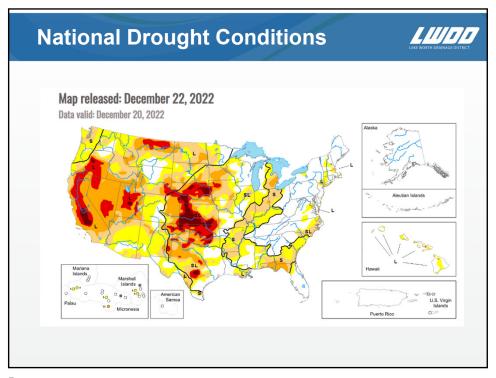
#### 2022 Weather

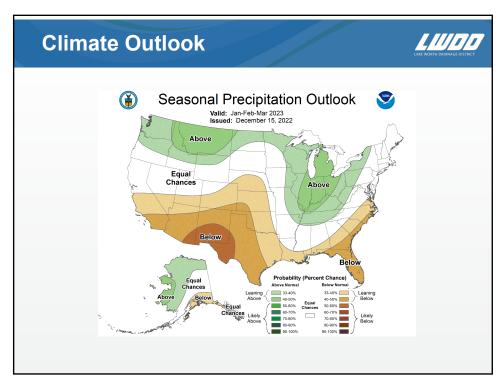


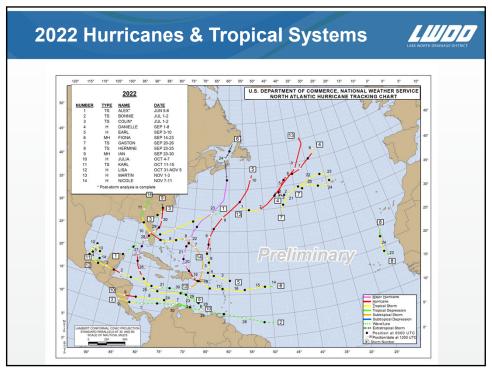
- After a normal dry season, the first part of the wet season experienced significantly below-average rainfall
- Lake Okeechobee stages fell into the Water Shortage Management Zone during the wet season
- However, hurricanes and tropical systems that impacted south Florida late in the wet season returned Lake Okeechobee to normal, beneficial levels

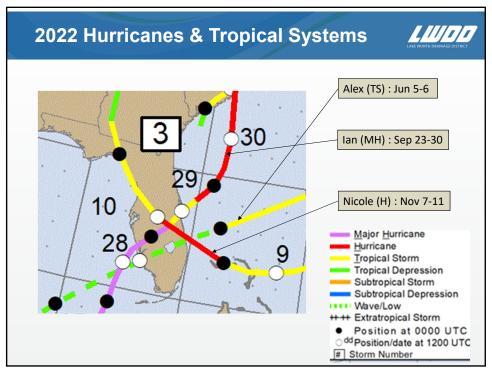
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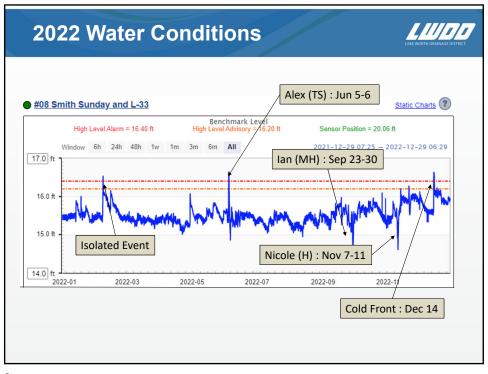








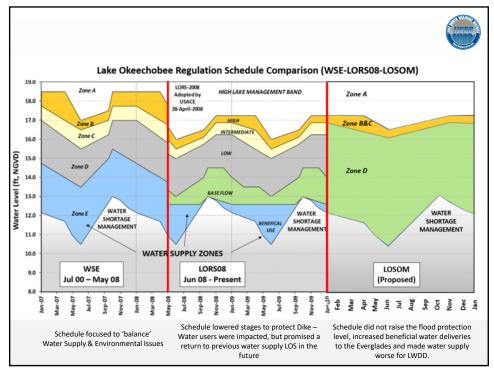


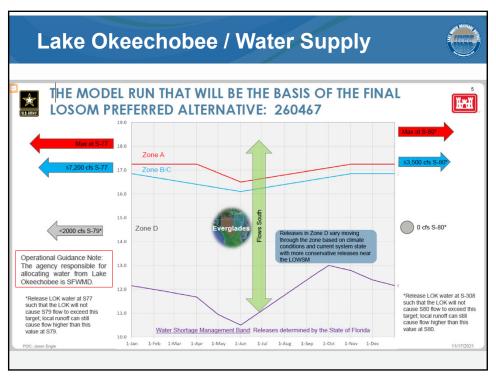


# Lake Okeechobee / Water Supply



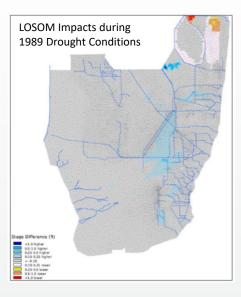
- USACE Completed the Draft Environmental Impact Statement (EIS) for Lake Okeechobee System Operations Manual (LOSOM)
- The EIS documented a number of issues which could impact LWDD water supply and environmental conditions in WCA-1
  - LWDD provided detailed comments on the document
    - 16-page report (w/ economic impact analysis) to USACE Col. Booth
    - · Public comment to SFWMD Governing Board
    - Coordination with Palm Beach & Broward counties
    - Public comment at the annual 'Water Forum'; sponsored by Associated Industries of Florida
- The EIS is expected to be finalized in the Spring or Summer of 2023





#### **LOSOM / Water Supply**





- Drought impacts to LWDD & WCA-1
- 'Sending Water South' benefits Broward & Miami-Dade counties, but impacts Palm Beach County
- Water Control Manual provides extraordinary flexibility to reduce water supply reserves
- Operational flexibility significantly increases risks of water shortages
- Sources of water are not protected as envisioned in CERP

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# Lake Okeechobee / Water Supply

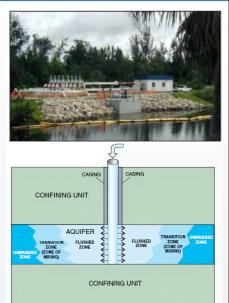


- Water supply reliability was not returned to pre-LORS08 levels
  - And was NOT improved over the current operating plan (LORS08)
- Lack of excess flow from Lake Okeechobee will increase LWDD's reliance on Water Conservation Area 1 to meet supplemental water demands
- Changes in regional water sources and the potential deauthorization of CERP storage projects increase uncertainty of water availability to meet current demands in future years
- Serious implications for LWDD future water supply

#### **Water Supply Alternatives**



- Aquifer Storage & Recovery systems may offer an alternative to the overall reductions in the availability of regional water supplies
- LWDD Feasibility Study underway to determine the applicability of ASR in improving regional water availability to meet current needs; expected completion in Spring 2023
- Permit for SFWMD ASR well on the Hillsboro Canal transferred to LWDD; possibility of re-activating the existing abandoned well in future



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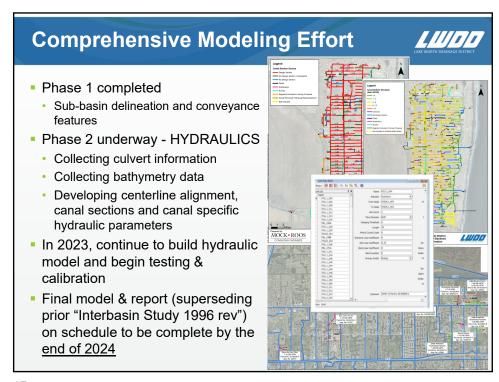
# **Control Structure 9 Refurbishment**



- Board approved refurbishment of existing structure in 2020
- Completed in 2022:
  - Purchased key components including submersible pumps & motor starters
  - Awarded contract for refurbishment work
  - Completed installation of the curb cuts, monitoring piers, and rough electric
  - · Began installation of the new equipment
- To be completed in 2023:
  - Demolition of the existing pump houses
  - Installation of pumps and control systems
  - · Installation of new radial gates
  - Installation of variable frequency drives for pumps and needle racks which will significantly improve operation and performance























# District staff have restored ~38% of the canal banks from former CRP projects to allow for routine mowing and are actively working on converting the balance MRP (conversion to Mechanical Maintenance) MRP (conversion to Mechanical Maintenance)



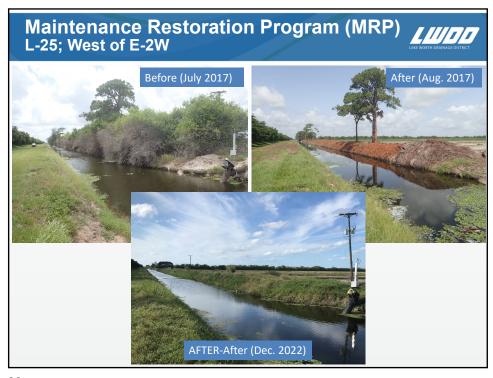
















# **Canal Maintenance High Maintenance Bank Mowing**

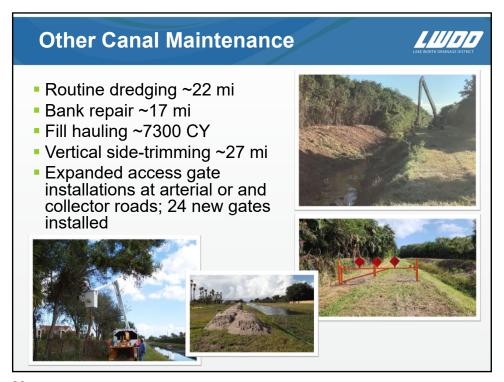
AKE WORTH DRAINAGE DISTRICT

- ~1,800 miles of Flat Mowing of canal rights-of-way
  - ~450 miles, 4 times per year
- ~1,530 miles of Slope Mowing of canal rights-of-way
  - ~510 miles, 3 times per year
- Annual Contract for Mowing Services; \$275,000
  - Flat mowing ~175 miles, 4 times/year
  - Slope mowing ~180 miles, 4 times/year











#### **Structure Maintenance**



- Regularly service and maintain 10 major water control structures
- Continual monitoring of system components to ensure efficient operation of structures and flood control gates
  - Completed 120 routine Preventative Maintenance tasks
  - Perform unscheduled maintenance as needed





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# **Campus Improvements**

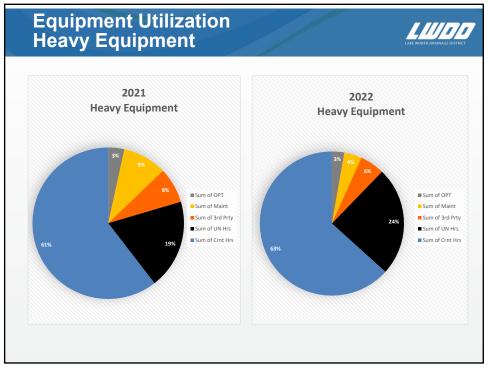
- New fuel pumps
- Updated signage

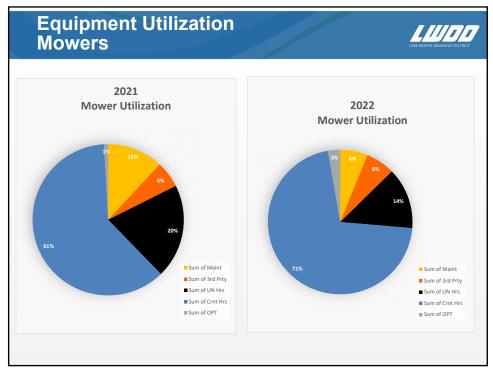


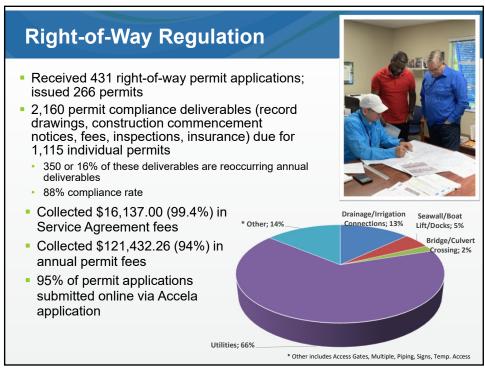


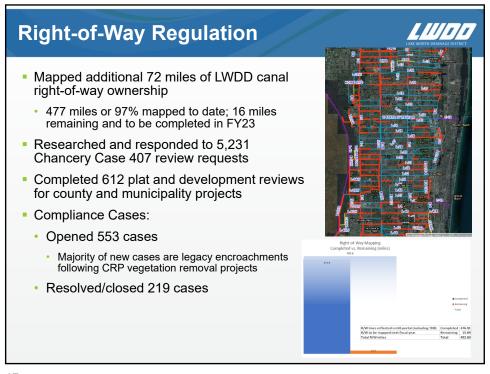






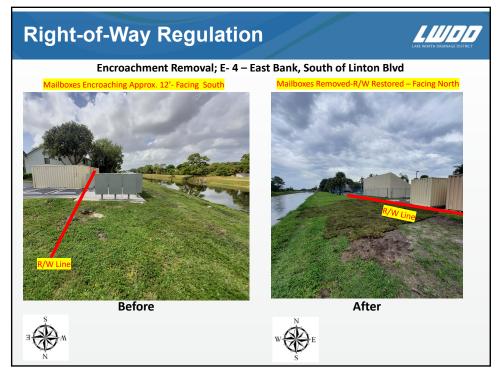


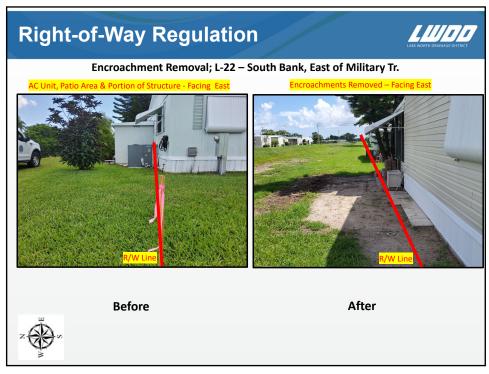


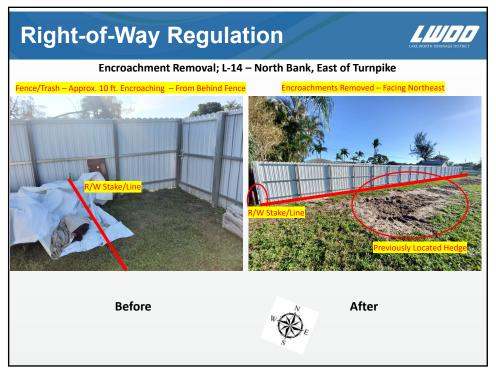




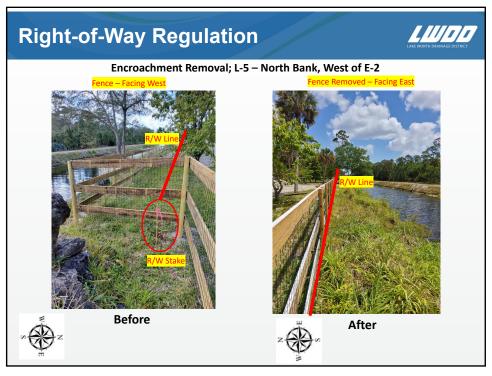


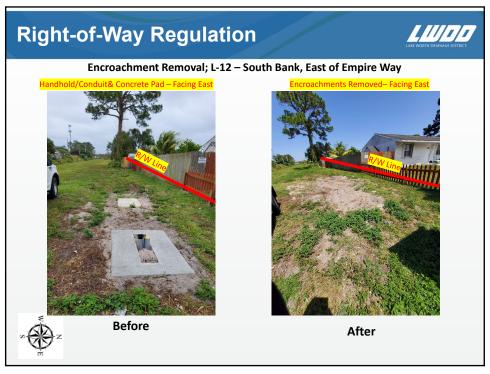




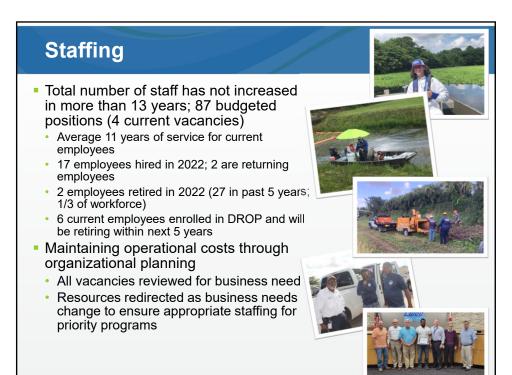










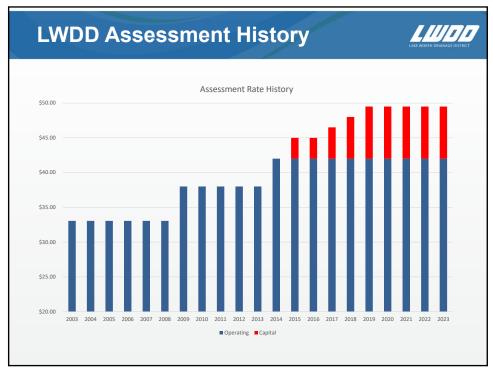


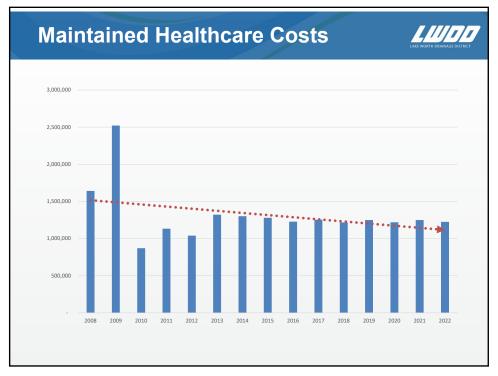
### **Financial Highlights**



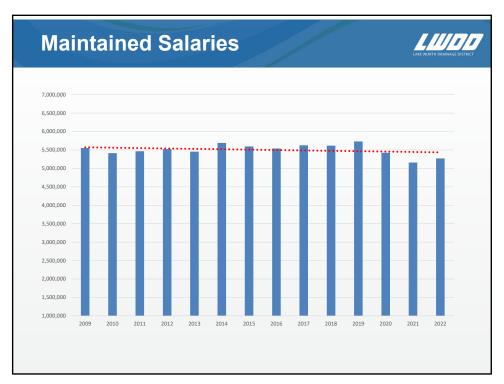
- Auditors issued unqualified opinion for FY2021; financial records and statements are fairly and appropriately stated in accordance with generally accepted accounting principals
- Adopted FY23 budget of \$18.5 million
  - \$49.50 non-ad valorem annual assessment rate
  - \$4 designated for accelerated canal rehabilitation and \$3.50 for improvements to District's infrastructure
  - \$42.00 operating budget has not increased in 8 years
- Revenues received:
  - Permit fees \$886,000
- Interest earnings \$99,000
- · Quit claim deeds \$2,000
- Tower Lease \$123,000
- Sale of surplus equipment \$166,000
- Sale of surplus real estate/transfer development rights - \$18,439,000

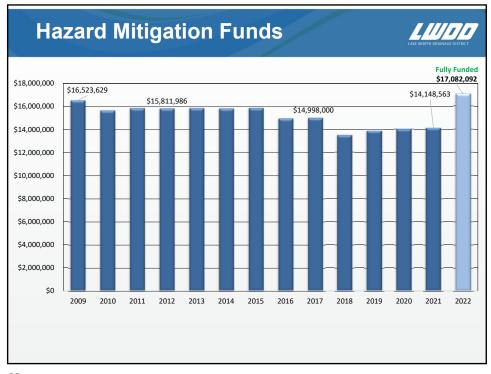












#### **Other Fund Balances**



- Capital Projects Fund: \$26.4 million
  - \$18.4 million in revenue from sale of development units in Ag Reserve
- Self Insurance Fund: \$2.1 million
- Canal Revetment Fund: \$1 million
- Investment strategy approved by Board in December 2022

#### **Looking Ahead**



- Completion of Canal Rehabilitation Program Phase I Vegetation Removal
- Canal Rehabilitation Program Phase II
  - · Restoration of low maintenance canal banks
  - Management of existing structural encroachments on rights-of-way remaining after canal rehabilitation (3,000+ structural encroachments initially identified)
- Ongoing capital projects for refurbishment of water control infrastructure
  - Secondary Control Structure remediation and enhancements
  - Hydrologic model; last comprehensive model completed in 1992, nearly 30 years ago
- Aquifer Storage & Recovery (ASR) Feasibility Report; regional water supply issues
- LOSOM coordination
- Turnpike widening project coordination

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#### Recommendation



- The 2022 Report to Landowners provides an overview of the District's annual activities, including District activities undertaken in furtherance of the adopted water control plan
- Recommend acceptance of report pursuant to Florida Statutes Ch. 298.26



# **Governing Board Service**



- 5 Years
  - Jeff Phipps August 2014 2019
  - Steve Bedner October 2015 2020
- 20 Years
  - Jim Alderman February 2003-2023
- 30 Years
  - John Whitworth October 1990 2020