

CASE STUDY: LAKE WORTH DRAINAGE DISTRICT REVOLUTIONIZING FLOOD MANAGEMENT

eRIS revolutionized flood management for Lake Worth Drainage District by seamlessly integrating scattered data into a unified platform, enabling strategic decision-making for entire basins.

KEY POINTS

- **Data Integration:** eRIS consolidated scattered flood management data into a single platform
- **Operational Transformation:** LWDD experienced a shift in flood management practices, making strategic decisions with improved efficiency.
- **Adaptability:** Custom features designed for LWDD have application throughout the eRIS customer base.

CLIENT REFERENCE

Lake Worth Drainage District

Tommy Strowd
Executive Director & District Engineer

THE PROBLEM

Before eRIS, the Lake Worth Drainage District (LWDD) in Palm Beach County, Florida, faced a daunting challenge: their critical flood management data was scattered across numerous platforms. Information from Smart Cover, South Florida Water Management District (SFWMD), weather sites, and their SCADA system created a disjointed landscape, making it difficult for their team to make informed decisions in real-time.

THE SOLUTION

Flood management, a mission-critical task for LWDD, demanded a consolidated approach. Control structures, canals, and a multitude of data streams had to be managed efficiently to prevent flooding. The need to access data from 20 to 25 different data sources was not just time-consuming but also prone to errors, hindering the organization's ability to respond swiftly to changing conditions.

Enter eRIS, a revolutionary platform that brought order to the data chaos. eRIS seamlessly integrated all relevant data into one accessible hub. No longer did the team have to navigate through various websites; instead, they could access everything through eRIS, represented visually on a map.

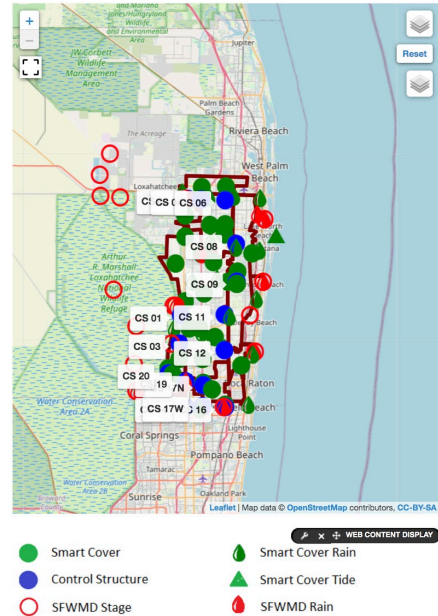
KEY FEATURES

•**Unified Data Access:** eRIS eliminates the need to visit multiple sites, bringing all essential information into a single, intuitive interface.

•**Convenient Map Interface:** A custom, interactive map allows the team to view water elevations, control structure gate positions, and flow rates with a click. This feature provides unparalleled visibility into the entire basin.

•**Weather Integration:** Incorporating weather data into the platform allows the team to make nuanced decisions that consider meteorological factors alongside real-time water management data.

Customized for LWDD: eRIS went the extra mile, tailoring its functionality to the unique needs of the team. Custom layers, zooming functions, and blueprint mappings were introduced, enhancing the platform's utility for the organization.



"Because more of our staff can easily access real-time data, we are really spending MORE time reviewing the system as a group. But that's a HUGE positive outcome--being able to review system operations information of LWDD, SFWMD & US Army Corp of Engineers (USACE) simultaneously, alongside real-time rainfall accumulations and tidal information, has improved our staff's situational awareness. This benefit is difficult to quantify-- but very easy to understand and appreciate!"

– Tommy Strowd, Executive Director & District Engineer

IMPACT

The impact of eRIS on the organization was transformative. With all data accessible from one place, the team can make decisions for entire basins rather than individual sites. This not only improved efficiency but also led to more strategic flood management. From field staff to the District Director, the entire team has embraced the platform, finding it instrumental in their day-to-day operations.

Recognizing the value of the customizations made for LWDD, Suez plans to roll out similar features to benefit its full customer base, ensuring everyone can enjoy the same level of tailored map functionality.

eRIS not only streamlined data management for LWDD but also revolutionized their approach to flood management. By bringing together disparate data sources into a single, powerful platform, eRIS empowered the organization to make informed, timely decisions, ultimately contributing to safer and more efficient flood management practices.