

**LAKE CONROE DIVISION OVERVIEW** 



# SJRA's Organizational Structure

**General & Administrative** 

General and administrative support services to operating divisions

**Flood Management Division** 

**Four Operational Divisions** 

**Bear Branch Division** 

**Region H** 



# SJRA's Operational Divisions

**Groundwater Reduction Plan** 

Treated surface water

**Highlands** 

Raw water (industrial, municipal, agricultural)

**Lake Conroe** 

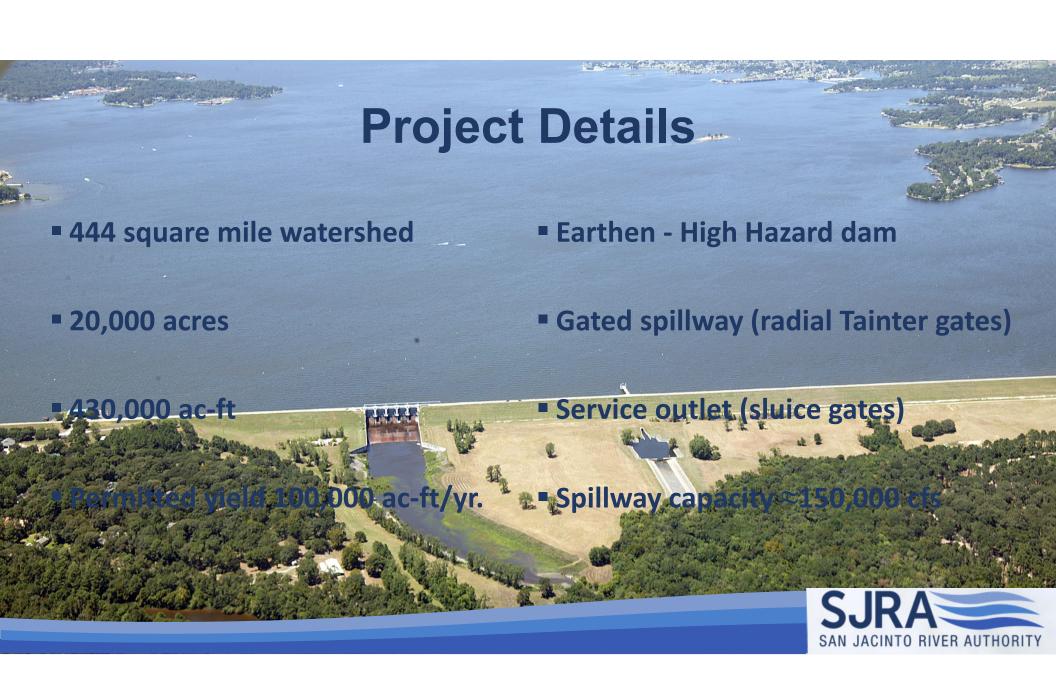
Dam and Reservoir Operations

**Woodlands** 

Treated water/wastewater









# **Division's Responsibilities**



**Spillway Operations** 



Maintenance



**Source Water Protection** 



**Habitat Restoration** 



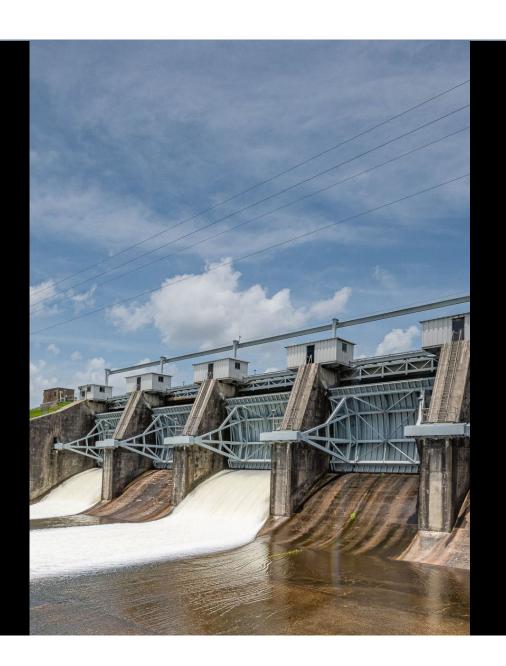
**Invasive Species** 



Licensing & Permitting



# Spillway Operations



## Water Supply Vs. Flood Control

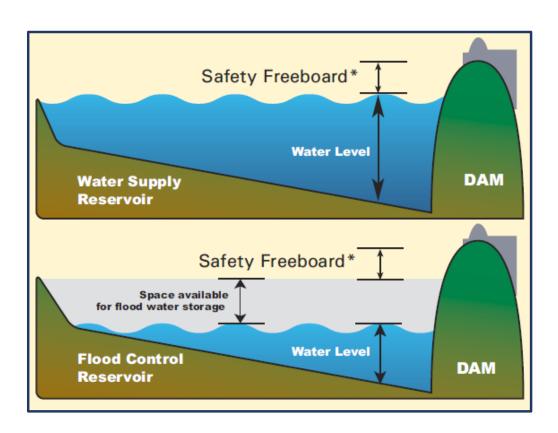
Minimal Freeboard

Designed to Pass % of Inflows

Not Designed for Overflow

Maximum Freeboard

Designed to retain of inflows





### **Radial Tainter Gates**





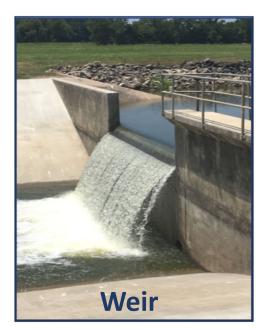


# **Service Outlet (Low Flows)**







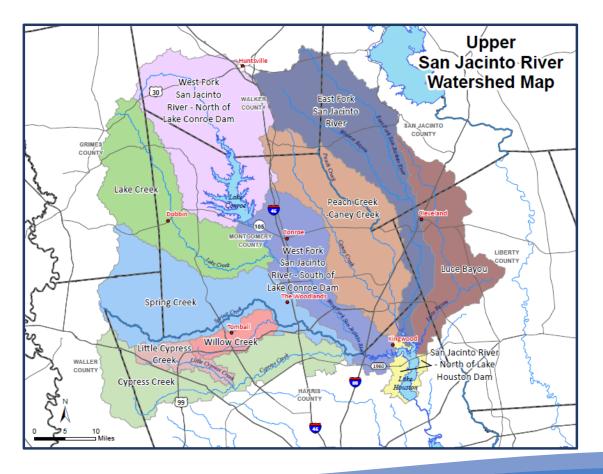


**Upstream** 

Downstream



# **Public Education/Outreach**



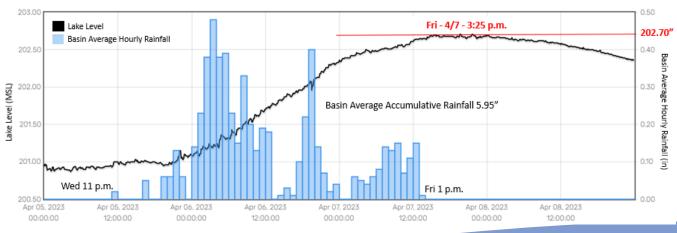


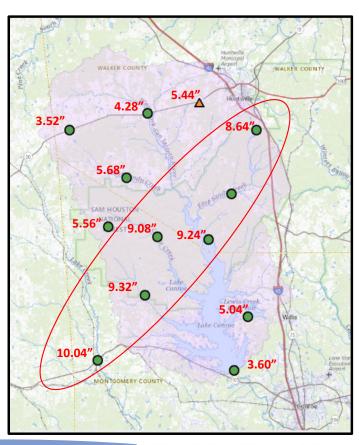


# **Easter Rainfall Event 4/5/23 – 4/8/23**

8,132 cfs









# **Inspections**

- Routine
- TCEQ 5-yr.
- Post-Event













### Maintenance



#### **Computerized Management**

- Preventative
- Corrective





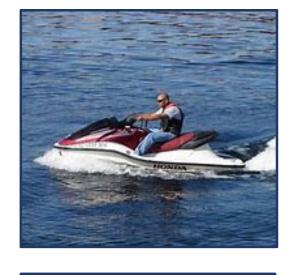














# Licensing and Permitting

#### Residential

- Docks/Piers/Slips
- Land Management
- Septic Systems

#### **Commercial Operations**

- Marinas
- Contractors
- Watercraft Rentals
- Retail/Restaurants





#### **Source Water Protection**









AWWA Exemplary Source Water Protection Award

#### **Objectives**

To maintain or improve the quality of Lake Conroe's water (unimpaired)

To provide source water protection for the GRP

#### **Key Elements**

- Watershed Protection Plan
- Stakeholder Involvement
- Public Outreach
- Stormwater Management
- On-Site Sewage Facility Program
- Aquatic Vegetation Management



#### **Habitat Restoration**





**Native Plants** 





**Artificial Habitat** 



# **Invasive Species Management**

Plant Identification
Treatment

- Biological
- Herbicide

**Public Outreach** 



















# Thank You Questions?



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