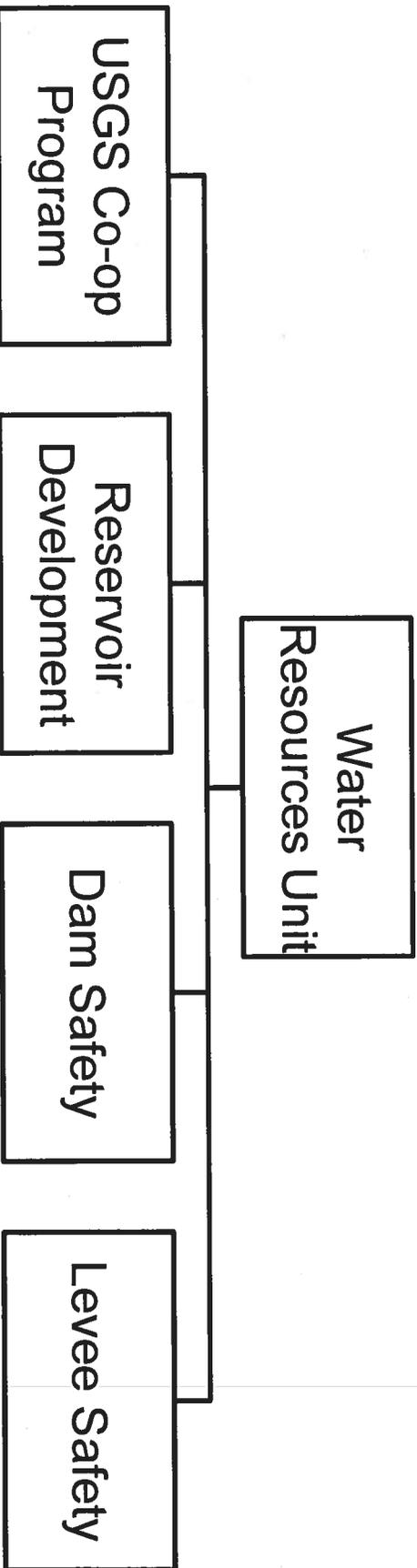


DOTD Water Resources Unit



DOTD – USGS Cooperative Water Resources Program

Groundwater

- Provides matching funds to collect water-level & salinity data from a state-wide network of 164 water wells on a quarterly or semi-annual basis for monitoring water quality & aquifer health for use by domestic, industrial, and agricultural users, state and federal agencies, and by investors bringing new or expanding industry into the state
- Assists USGS in data analysis, publication of periodic reports detailing water use, aquifer condition, water levels, etc.
- Publication of Statewide Louisiana Water Use Report, every 5 years

Surface Water

- Provides matching funds to maintain 59 stream-gaging stations that collect stage for rivers and lakes; measures discharge and flood-profile data from various sites statewide.
- Provides matching funds to disseminate water data to various local, state, federal users, public & private sector, universities regarding river flow, water quality, etc.
- Collects and publishes surface water data in the LA Water Use report and other publications
- Stream gaging water level data are used for real-time flood forecasting, flood protection,, drainage management, and road & bridge design

Reservoir Development Functions

- **Planning, Design, Construction and repair of State- Funded Reservoirs**
 - Prepares requests for Capital Outlay funds using DOA electronic format (ECORTS)
 - Prepares Cooperative Endeavor Agreements (CEA) with local governing bodies
 - Prepares/reviews Request for Proposals (RFP) and contracts with consultants
 - Performs contract administration (reviews, approves and authorizes payment of invoices)
 - Reviews planning, design, and engineering reports
 - Performs construction oversight
- **Reservoir Priority & Development Program**
 - Develops scope of work and work plan
 - Develops basin characteristics
 - Identifies impacts to state & federal programs
 - Develops needs assessment
 - Develops priority and ranking system

Dam Safety Functions

- **Dam Regulatory Program (556 Dams)**
 - Performs 150 to 200 Dam safety inspections and reports annually
 - Ensures dam deficiencies are taken care of by owners
 - Reviews applications and permits of all new dams
 - Prepares dam breach analysis, EAPs and Table Top exercises for 20 state- maintained dams
 - Provides dam inventory database (NID) to USACE, annually
 - Maintains FEMA dam safety certification
 - Prepares application and manages FEMA Grant
- **Operation and Maintenance of 20 State-Maintained Dams**
 - Prepares requests for Capital Outlay funds using DOA electronic format (ECORTS)
 - Prepares/reviews Request for Proposals (RFP) and contracts with consultants
 - Performs contract administration (reviews, approves and authorizes payment of invoices)
 - Reviews planning, design, and engineering reports
 - Conducts Acoustic & high definition surveys, and underwater Inspections through specialty consultants, to determine extent of repairs & rehabilitation of dams
 - Performs construction and repair oversight

Levee Safety Functions

- Collaborates and assists non-coastal levee districts to inspect & evaluate their levees
- Provides DOTD direction and oversight to ensure uniformity of inspections & evaluations among various non-coastal levee districts
- Ensures the flood protection system is capable of providing the level of protection necessary for subsidized national flood insurance rates
- Ensures proper documentation, quality control, checklists, photographs and systematic deficiency examination techniques, using LA's Levee Inspection Tool (LLIT)
- Provides training for DOTD and levee district inspectors