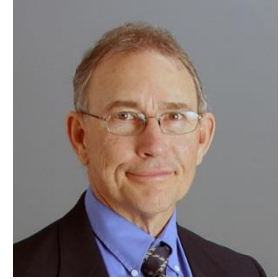


# David Buzan

## AQUATIC ECOLOGIST

David Buzan is an FNI Aquatic Ecologist and Project Manager. He has over 36 years of experience working with streams, reservoirs and estuaries in Texas. From 1978 through 1993, he worked at the Texas Commission on Environmental Quality where he directed the Surface Water Quality Monitoring Program for nine years. Mr. Buzan participated in multiple water quality and hydrological surveys on the Houston Ship Channel and its tributaries. From 1993 through 2006, Mr. Buzan worked with Texas Parks and Wildlife Department as its Kills and Spills team leader. He also managed its Coastal Conservation Branch, which has an office in Dickinson. His staff in Dickinson participated on the Houston Ship Channel Deepening and Widening Beneficial Use Group. Since 2006, Mr. Buzan has worked in the private sector and has had roles in preparing environmental impact statements for the Sabine-Neches Ship Channel Improvement Project, the proposed Matagorda Ship Channel improvement project and the Brownsville Ship Channel improvement project.



### Experience

36 years

### Education

M.S., Biology,  
Southwest Texas State  
University

B.S., Fisheries Science,  
Texas A&M University

### TxDOT Precerts

2.6.2 Impact  
Evaluation  
Assessments

2.6.3 Biological  
Surveys

### Training

First Aid

CPR

MSHA – experienced  
miner

### Experience Prior to joining FNI:

#### Texas Commission on Environmental Quality, 1978–1993:

- Member, Special Studies Team: Conducted intensive water quality, habitat, biological, and hydrological surveys throughout Texas. Including the Houston Ship Channel and the Sabine-Neches Ship Channel.
- Manager, Surface Water Quality Monitoring Program: Managed state-wide water quality monitoring by local and state government.
- Manager, Texas Watch: Created and managed Texas Watch, the state’s volunteer water quality monitoring program.

#### Texas Parks and Wildlife Department, 1993–2006:

- Manager, Kills and Spills Team: Coordinated team of pollution biologists that responded to fish kills, pollution incidents, and natural phenomena (ex. red tides). Mr. Buzan worked on two major oil spills that occurred in the Houston Ship Channel during this time.
- Manager, Coastal Conservation Branch: Coordinated a group of scientists in Austin, Dickinson, and Corpus Christi that worked reviewed and commented on Section 404 permits, led habitat restoration projects in Galveston Bay, and conducted freshwater inflow analysis.

#### Selected Additional Projects

- Sabine-Neches Ship-Channel Improvement Project: Quality-assured the U.S. Army Corps of Engineers wetland valuation analysis and designed the mitigation monitoring plan for the project
- Matagorda Ship Channel Deepening and Widening: Conducted an independent third-party review of the oyster mitigation plan for the environmental impact statement
- Brownsville Ship Channel (Brazos Harbor Island) Improvement Project: Conducted the water and sediment quality, and relative sea level rise analysis for the environmental impact statement for this project.
- Clear Creek General Reevaluation Study, Brazoria, Fort Bend, Galveston, and Harris Counties, TX; USACE Galveston District. Conducted the freshwater fisheries analysis and quality-assured the marine fisheries analysis for the environmental impact statement.

- Rollover Bay Environmental Analysis: Conducted benthic macroinvertebrate monitoring in Rollover Bay as part of a Texas General Land Office project to describe federally-endangered piping plover use of the area.
- Port of Gulfport Expansion Project Environmental Impact Statement: Analyzed benthic macroinvertebrates from the study area and conducted the water and sediment quality analysis for the environmental impact statement.
- Halfmoon Reef Restoration Project, Matagorda Bay, TX. Project manager for The Nature Conservancy's project to restore a large oyster reef in Matagorda Bay.
- San Luis Pass Sediment Project: Managed the project involving mapping of seagrass and oysters around San Luis Pass and coordinating communication with state and federal agencies on behalf of the Texas General Land Office. The project evaluated the suitability of using the San Luis Pass flood shoal as a sand source for restoration projects.
- Cumulative Effects Assessment Tool: Provided ecological input into development of a cumulative effects assessment modeling tool for use by the U.S. Army Corps of Engineers in evaluating Section 404 permit applications on Galveston Island.
- Environmental Flows Science Team: Served on the environmental flows science team on behalf of the San Jacinto/Trinity basin stakeholders and the Texas Water Development Board to evaluate freshwater inflow needs for Galveston Bay.