



# COMPASS

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## ENVIRONMENTAL SOLUTIONS

### Andy Boswell, Principal and Senior Scientist (Wetlands and Permitting)

Mr. Boswell is a regulatory specialist providing strategic permitting and compliance services related to federal, state, and local environmental regulations. He works closely with clients and regulators to identify, evaluate, and document biologically sound, practical, and legally compliant permitting and compliance strategies. After obtaining his Bachelor's and Master's degrees in Entomology from Texas A&M University he has continued his passion for the outdoors by working as an environmental consultant. He began his environmental career with the Ducks Unlimited Texas Regional Office working with both public and private land owners in efforts to restore degraded wetland habitat on their property. He continued his environmental consulting career with Houston-area consulting firms specializing in waters of the U.S., Clean Water Act permitting, and threatened and endangered species work.

Mr. Boswell has sixteen years of professional scientific experience and in late 2022 created Compass Environmental Solutions with Matt Chastain. Mr. Boswell has focused his career on resolving complex wetland permitting challenges and he has managed and obtained over 50 Section 404 and Section 10 regulatory permits along the Texas gulf coast alone. In addition to working with the Galveston USACE, Mr. Boswell has similarly worked and collaborated with individuals from USFWS, EPA, NOAA, NMFS, NRCS, TPWD, GLO, and TCEQ on various projects including Habitat Conservation Plans, Incidental Take Permits, Habitat Management Plans, Baseline Biological Inventories, and Mitigation Banking Instruments. In addition, he routinely supervises projects requiring a broad range of other environmental due diligence investigations involving waters of the U.S., hazardous materials, and critical environmental features.

Through years of experience Mr. Boswell has worked with numerous engineering firms, many major residential and commercial developers, and public entities. His project and client experience within the Fort Bend County and Greater Houston area include: TWDB, TX-DOT, Fort Bend County, The City of Richmond, numerous Municipal Utility Districts, Fort Bend County Toll Road Authority, The City of Conroe, The City of Huntsville, LJA Engineering, EHRA, Odyssey Engineering, Costello, Cobb, Fendley, & Associates, Harvest Green, Imperial-Johnson Development, DR Horton, Energy Transfer Company, RES-Americas, Stantec, Legend Homes, Academy Development, Oxy Petroleum, Exxon-Mobile - The Woodlands Campus, the Islands of Rockport, Port Bay Club Mitigation Bank, the City of Rockport, and many others. Mr. Boswell has extensive experience working with the USACE, USFWS, TPWD, and NMFS in successful wetland and seagrass mitigation projects, consisting of delineation, design of mitigation, implementation, and supplemental monitoring efforts.

#### EXPERIENCE

- ▶ wetland delineation and mitigation banking
- ▶ environmental permitting
- ▶ stream and habitat restoration
- ▶ endangered species studies

#### SKILLS

- ▶ ArcGIS
- ▶ report preparation
- ▶ project management
- ▶ stream modeling
- ▶ risk analysis and management

#### AWARDS, HONORS, MEMBERSHIPS

- ▶ 2010–present: Ducks Unlimited Life Sponsor
- ▶ 2010–present: Houston Museum of Natural Science

#### EDUCATION

- ▶ 2009: MS Entomology, Texas A&M University
- ▶ 2007: BS Entomology, Texas A&M University

## PROJECT EXPERIENCE

- **Fort Bend County Drainage District – Buffalo Bayou Watershed Protection:** Mr. Boswell managed field surveys, client and agency communication, Clean Water Act Permitting, threatened and endangered species surveys and general project coordination for the Buffalo Bayou rehabilitation projects. These projects stretched from north of Interstate 10 along the bayou and into Barker Reservoir. Mr. Boswell worked with the USACE, NRCS, and FEMA to ensure compliance with all NEPA aspects of the projects. **\*(NRCS and FEMA Related)**
  - Jan. 2019-Dec. 2019
  - Mr. Adam Wright, adam.Wright@fortbendcountytexas.gov, 281-342-0141
- **Harris County MUD #50 – Texas Water Development Board EID Project:** Mr. Boswell managed the entire TWDB-0801, “EID” process from proposal generation, field work oversight, permitting, agency coordination, EID document drafting and submission, as well as TWDB direct coordination and liaison with the engineer of record (CobbFendley). Project was completed and received approval from TWDB within the projected timeline without significant delays.
  - Jan 2018-May 2018
  - Ms. Amber Hurd, AHurd@cobbhendley.com, 936.224.7114
- **Sienna Plantation MUD #1 - Texas Water Development Board EID Project:** Mr. Boswell provided his environmental team with oversight and management experience on a separate TWDB project in Fort Bend County, Texas. Mr. Boswell directly assisted his team member in order to streamline the project preparation and submittal to TWDB.
  - Dec. 2016-May 2017
  - Chad Hablinski, chablinski@costelloinc.com, 713.783.7788
- **Fort Bend County Toll Road Authority – FBCTRA Segment B2:** Mr. Boswell led field crews in the delineation of 200 acres of semi-developed property in Fort Bend County. The project consists of the proposed extension of the Fort Bend County Toll Road through Sienna Plantation. Mr. Boswell managed the drafting and submission of a Standard Individual Permit with all appropriate appendices to the USACE. Mr. Boswell has helped secure financially responsible mitigation credits through an approved mitigation bank and is currently assisting the USACE in the drafting of the final decision document for the project.
  - Jan. 2017-Dec 2018
  - Gary Gehbauer, GGehbauer@bgeinc.com, (281)558-8700
- **Fort Bend County Engineering – 2017 Mobility Projects:** Mr. Boswell led field staff and scientists in the environmental investigation of approximately 35 different roadway improvement/creation projects. In most cases, investigation consisted of a Phase I Environmental Site Assessment, wetland delineation, threatened and endangered species survey, providing our professional recommendations for work moving forward. In some instances the project impacts required the need for a no PCN NWP 14 be drafted and submitted to the client to be kept on file. Mr. Boswell assisted the county with minor revisions to bank stabilization and outfall placement which allowed them to bypass direct coordination with the USACE.
  - March 2018 – Current
  - Stacy Slawinski, Stacy.Slawinski@fortbendcountytexas.gov, 281-633-7508
- **Fort Bend County Engineering – 2012 Mobility Projects:** Mr. Boswell led field staff and scientists in the environmental investigation of approximately ten different roadway improvement/creation projects. In most cases, investigation consisted of a Phase I Environmental

Site Assessment, wetland delineation, threatened and endangered species survey, providing our professional recommendations for work moving forward. In some instances the project impacts required the need for a no PCN NWP 14 be drafted and submitted to the client to be kept on file. Mr. Boswell assisted the county with minor revisions to bank stabilization and outfall placement which allowed them to bypass direct coordination with the USACE.

- March 2015-Dec 2017
- Stacy Slawinski, Stacy.Slawinski@fortbendcountytexas.gov, 281-633-7508

- **Academy Development – Gummert Road Property:** Mr. Boswell managed and assisted in conducting a wetland delineation on 133 acres of undeveloped property in Katy, Texas. The proposed development of the site called for the impact of approximately 5 acres of scrub/shrub wetlands and therefore a USACE Standard Individual Permit was initially drafted. Through multiple discussions with the USACE Project Manager and Compliance Department, Mr. Boswell was able to work with the USACE in obtaining an Approved Jurisdictional Determination (AJD) on the subject property. Through this AJD process the Corps concluded that the majority (all but a single wetland) was to be considered isolated and therefore non-jurisdictional. The client revised their development plans and was able to construct their project without the need for a Section 404 permit or further coordination from the USACE. This resulted in the savings of approximately \$300,000 in combined mitigation and permitting costs.
- **Confidential Client – 31-mile Fiber Optic Cable Install:** Mr. Boswell helped his client conduct a wetland delineation and threatened and endangered species survey on 31 miles of roadside in Cameron County, Texas. Mr. Boswell then compiled documentation sufficient to submit a Nationwide Permit 12 with PCN to the USACE Corpus Christi and conducted Section 7 Consultation with the USFWS for a “no effect” call on listed species.
- **Occidental Petroleum Corporation – Ingleside Dock Expansion:** Mr. Boswell assisted with the remote sensing data gathering to determine the potential effects of dock expansion on existing sea grass and oyster beds in the adjacent areas near shore adjacent to the Oxy Ingleside Facilities location. Mr. Boswell then drafted a Standard Individual Permit and worked with CH2MHill on submission and receiving approval for the project.
- **Fort Bend County – Cane Island Parkway:** Mr. Boswell managed field crews who conducted wetland delineations on property proposed to be utilized for the Cane Island Parkway Extension south of Interstate 10 in Fort Bend County, Texas. Mr. Boswell drafted and submitted a Standard Individual Permit to the USACE. After discussions with Fort Bend County and the USACE, slight design changes, suggested by Mr. Boswell, allowed the County to withdraw the Individual Permit and re-submit as a Nationwide Permit 14 with PCN. This change resulted in the County saving approximately \$250,000 in mitigation costs.
- **Ventana Development – McCrary Meadows:** This project consisted of conducting a wetland delineation on an approximately 200 acre property and preparing a Section 404 Standard Individual Permit for a residential development. Impacts for the proposed development consisted of 2,750 linear feet of a tributary of Jones Creek and 0.25 acres of non-forested wetlands. The Galveston District Stream Tool and iHGM Riverine Herbaceous Assessment Model was used to assess the functionality and health of the features while correctly assign appropriate mitigation for the impact to the stream and wetland. After multiple visits with the USACE and the developer, Mr. Boswell was able to assist in re-designing portions of the project and remove the requirement for permitting completely, saving the developer over 2 million dollars in mitigation costs.

- **Energy Transfer Partners – RockTenn Pipeline:** Mr. Boswell conducted a wetland delineation on approximately 20 acres in Jackson Parish, Louisiana for the proposed installation of 1.25 miles of 10-inch natural gas residue pipeline. Mr. Boswell drafted and submitted a Nationwide Permit 12 with PCN to the Vicksburg District USACE. Mr. Boswell worked with the USACE and the client to ensure compliance with a stringent mitigation plan which allowed for the re-vegetation of the impacted wetlands.
- **Sueba Corporation – GP III Apartments:** Mr. Boswell conducted a wetland delineation and investigation on 35 acres of undeveloped property in Harris County, Katy, Texas. Mr. Boswell was able to assist the client in permitting their project through the use of a no PCN Nationwide Permit 13 for Bank Stabilization after redesigning the project’s stormwater outfalls into Mary’s Creek. This saved the client approximately \$10,000 in permitting costs and 6 months of USACE review time.
- **Samson Exploration – Baer Ranch Pipeline:** Mr. Boswell managed a field crew who conducted a wetland delineation and threatened and endangered species survey on a 1.50-mile section of 6-inch pipeline through a tidally influenced marsh. Mr. Boswell drafted, submitted, and received approval for a NWP 12 with PCN and no mitigation requirements for the project due to non-permanent impacts to tidal wetlands.
- **Samson Exploration – Corbin GU #1 Pipeline and Pad Site:** Mr. Boswell conducted a wetland delineation and threatened and endangered species survey on approximately 15 acres of undeveloped property in Chambers County, Texas. The project consisted of the establishment of a new oil and gas well pad site and a 1.75 mile gathering pipeline. Mr. Boswell drafted and submitted the necessary Nationwide Permit 12 with PCN to the Galveston District USACE. Mr. Boswell helped the client secure mitigation credits for the unavoidable impacts to wetlands and subsequently received an approved permit from the Corps.
- **City of Huntsville – Realignment of Town Creek:** This project consisted of a FEMA-funded project designed to reconstruct Town Creek which had become heavily degraded by decades of development, growth of the city, and lack of channel maintenance. Mr. Boswell delineated over 5,000 linear feet of Town Creek and an additional 50 acres of property, composed a Section 404 Standard Individual Permit for the proposed impact of 2,500 linear feet of jurisdictional waters of the U.S., implemented the Virginia Stream Tool Methodology then at the request of the USACE Galveston District the Galveston Stream Tool. Mr. Boswell was able to design a complete self-mitigating project which required no additional mitigation credit purchases through a stream restoration plan. **\*(FEMA Related)**
- **Springwoods Realty Company – Exxon Campus:** Mr. Boswell led multiple teams that conducted a wetland delineation on approximately 350 acres of undeveloped property in Harris County adjacent to Spring Creek. This included delineating the jurisdictional limits of over 10,000 linear feet of tributaries to Spring Creek. Mr. Boswell prepared a Section 404 Standard Individual Permit for the development of the Exxon Campus, consisting of multiple office buildings, roads, and other associated features. Additionally, Mr. Boswell prepared a comprehensive alternatives analysis and mitigation plan for the project and also directed the Galveston District Hydrogeomorphic Modeling assessments (Forested and Scrub-Shrub/Emergent) as well as the Virginia Stream Tool. Both of which were used to evaluate aquatic features and assign appropriate mitigation for their impacts.
- **Coastal Bend Wetland Mitigation Bank:** Mr. Boswell revised and re-submitted a Draft Mitigation Banking Instrument, conducted an HGM assessment, conducted IRT meetings, and re-created a mitigation work plan for a 200-acre project site.

- **Rise Development Partners – Meridiana:** Mr. Boswell lead a team who delineated 2,700 acres of undeveloped property in Brazoria County, Texas for a residential neighborhood, associated amenities, schools, and small commercial tracts. A Standard Individual Permit was drafted and submitted to the USACE along with an Alternatives Analysis and Mitigation Plan. Mr. Boswell helped the client obtain the appropriate mitigation credits from an approved mitigation bank.
- **Newland Development – Bridges over Ditch H:** Mr. Boswell performed small site delineations on two proposed road crossings over Ditch H in Sugar Land, Texas (Meadowcroft Boulevard and Lexington Blvd.) Mr. Boswell then conducted a plan review of engineering drawings and drafted the appropriate Nationwide Permit 14 documentation with Prior Construction Notification to submit to the USACE.
- **Imperial-Johnson – Imperial Development:** Mr. Boswell conducted an update to a 250 acre wetland delineation including over 1.5 miles of Oyster Creek. This wetland delineation then allowed Mr. Boswell to draft and submit multiple Nationwide Permits for various work completed over the entire area including but not limited to: no PCN NWP 14, PCN NWP 7, and PCN NWP 39.
- **DR Horton – Tammaron:** Mr. Boswell managed and led field crews for the delineation of 1,600 acres of rural property in Fort Bend County. Mr. Boswell assisted the client in site development without the need for permitting with the USACE.
- **Sienna-Johnson – Sienna Plantation Development:** Mr. Boswell conducted and led field crews to perform wetland delineations on approximately 500 acres of undeveloped property adjacent to Sienna Plantation in Missouri City, Texas. Mr. Boswell collected iHGM data necessary to complete the Mitigation Plan for the drafted Standard Individual Permit submitted and approved by the USACE.
- **Ducks Unlimited:** Mr. Boswell worked with Ducks Unlimited – Texas Regional Office to secure CWA permits for wetland establishment on both public and private land. He coordinated agency discussions between the Gulf Coast Joint Venture which includes: EPA, NRCS, USACE, GLO, TCEQ, TPWD, and NOAA. **\*(NRCS Related)**