



PROFESSIONAL PROFILE



Jenny Lam, PMP

Senior Scientist I

EXPERIENCE SUMMARY

Over ten years of experience in environmental and natural resource-related projects for public and private sectors with extensive background in managing and leading environmental projects in Texas, Louisiana, Arkansas, and Mississippi. Her action items include stakeholder coordination and engagement, field work, composing technical documents, and geographical information systems (GIS) deliverables. Her project experiences include, but are not limited to, multimodal transportation, telecommunications, drainage improvements, oil and gas, and offshore protected species observations projects. Additionally, she has experience generating geospatial visualizations utilizing Esri, Adobe, and Google operating systems.

TECHNICAL SPECIALTIES

Ms. Lam’s technical specialties include performing waters of the U.S. (WOTUS) and wetland delineations, Threatened and Endangered (T&E) Species Habitat Assessments, U.S. Army Corps of Engineers (USACE) jurisdictional determinations (JDs), USACE Sections 404 and 10 permitting and compensatory mitigation, Migratory Bird Treaty Act (MBTA) surveys, protected species observation and monitoring, and National Environmental Policy Act (NEPA) studies. Ms. Lam has experience coordinating with the USACE Galveston, Little Rock, Vicksburg, and Fort Worth Districts.

REPRESENTATIVE PROJECTS

- Project manager, lead biologist, and GIS specialist retained by an engineering firm, on behalf of the Harris County Flood Control District (HCFCD), for the Federal Emergency Management Agency (FEMA) Greens Bayou watershed Disaster Recovery Plan Sediment Removal Program (DRP SRP) in Houston, Texas. The purpose of the project is to remove sediment that accumulated in the drainage channels during Hurricane Harvey and restore the channels to their pre-existing conditions and/or improve channel conditions. Tasks include composing a project management plan, coordinating with stakeholders and the project team, lead fieldwork for the WOTUS delineation and T&E species habitat assessments, conducting desktop analyses, and producing geospatially referenced data via GIS.
- Subject matter expert, senior scientist, and GIS specialist retained by an engineering firm, on behalf of the City of League City, for the U.S. Department of Housing and Urban Development (HUD) Environmental Assessment (EA) project in League City, Texas. The purpose of the project was to enhance drainage capacity and reduce flooding for impacted residents by increasing stormwater conveyance and capacity of existing storm sewer systems under the HUD Community Development Block Grant (CDBG) Disaster Recover (DR) program. The completed noticing and HUD EA checklist and associated worksheets were submitted for a Request for Release of Funds (RROF) which was approved and received a final Authority to Use Grant Funds (AUGF).
- Project manager, lead biologist, and GIS specialist retained by an engineering firm, on behalf of the Metropolitan Transit Authority of Harris County (METRO), for the General Planning Consultant Services contract to support transportation projects throughout Harris County, Texas. The purpose is to enhance equity and develop transit revitalization in the region for the next 25 years. Provided technical environmental and GIS support for the feasibility studies and NEPA environmental documentation in compliance with the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA). Technical studies performed to support NEPA documentation include WOTUS delineations, biological assessments, visual impact assessments, Section 4(f) impacts, tree inventory surveys, and GIS tasks. Several Categorical Exclusion (CE) projects received authorization from the FHWA.

CONTACT INFORMATION

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EDUCATION

BS, Marine Biology, Texas A&M
University at Galveston, 2012

PROFESSIONAL LICENSES

PMP, Project Management
Professional

- Subject matter expert, senior scientist, and GIS specialist retained by an engineering firm, on behalf of HCFC and the Harris County Community Services Department, for the HUD-assisted EA project in Harris County, Texas. The purpose of the project was to enhance drainage capacity and reduce flood risk to the surrounding area, thus resulting in a beneficial impact to low-to-moderate income (LMI) populations under the CDBG-DR program. In addition to the HUD EA checklist and worksheets, a USACE Nationwide Permit (NWP) 3 was received for the project to avoid, minimize, and mitigate potential impacts to resources.
- Project manager, lead biologist, and GIS specialist retained by an engineering firm, on behalf of HCFC, for the proposed improvements to a diversion ditch and an outfall development into the West Fork of the San Jacinto River in Kingwood, Texas. Tasks performed include WOTUS delineation, T&E species habitat assessment, and a Level 2 Stream Condition Assessment. The project received an approved jurisdictional determination (AJD) from the USACE Galveston District.
- Project manager, lead biologist, and GIS specialist for numerous projects for the Texas Department of Transportation (TxDOT) Houston District Environmental Services Contract. Projects include roadway and bridge improvements in Harris, Liberty, Montgomery, San Jacinto, and Fort Bend counties. Technical environmental support included WOTUS delineations, T&E species habitat assessments, Section 404 permitting, and compensatory mitigation planning.
- Project manager, lead biologist, and GIS specialist for several City of Pasadena, Texas drainage improvement projects that were receiving funds through the HUD CDBG-DR program. Tasks completed include performing wetland delineations, T&E species habitat assessments, NEPA CE documentation, and GIS analyses and mapping.
- Project manager, lead biologist, and GIS specialist retained by an engineering firm, on behalf of Brazoria County and TxDOT, for the County Road 58 transportation improvement project in Brazoria County, Texas. Tasks performed include fieldwork and technical documentation associated with WOTUS delineation, T&E species habitat assessment, and CE d-listed review. Additional tasks performed include preparing and coordinating public involvement material and events and serving as a representative for TxDOT during the public meeting.
- Project manager retained by an engineering firm, on behalf of the Southwest Arkansas Regional Intermodal Authority, for the proposed installation of a rail spur along an industrial district in Arkadelphia, Arkansas. Coordinated site visits associated with WOTUS delineation, composed technical reports and permit applications for USACE submittal, and generated geospatial maps. Successfully obtained an NWP 14 and Individual Permit (IP) from the USACE Little Rock District upon project completion.
- Project manager, lead biologist, and GIS specialist retained by an engineering firm, on behalf of Brazoria County and the Texas Gulf Coast Regional Airport, to support the proposed maintenance roadway improvements and channel diversion project within airport property in Angleton, Texas. Conducted WOTUS delineations, T&E species habitat assessments, and desktop cultural resources. Prepared a preliminary jurisdictional determination (PJD) and coordinated with the USACE for project permitting. The project successfully received an NWP from the USACE Galveston District.
- Project manager, lead biologist, and GIS specialist retained by an engineering firm, on behalf of the Arkansas Department of Transportation (ArDOT), for two Tier 3 CE documentation and submittal pursuant by the United States DOT, FHA, and ArDOT. The project included traffic flow improvements, pedestrian safety, roadway improvements, multi-use paths improvements for pedestrian and bicycle safety, and green infrastructure enhancement implementations along two separate roadway segments in Pulaski County, Arkansas.
- Project manager, lead biologist, and GIS specialist retained by an engineering firm to conduct mitigation assistance for the proposed runway and facility improvements within the Texarkana Regional Airport property. Tasks performed include mitigation documentation, coordination with the USACE Little Rock District and client, and coordinating with mitigation banks to initiate project construction.

PROFESSIONAL TRAININGS

- BP Gulf of Mexico License to Go Offshore, 2014
- USACE Wetland Delineation Training, 2015
- USFWS/DOI Principles and Techniques of Electrofishing, 2017
- NAUI Certified Open Water Diver
- Transportation Worker Identification Credential
- Wetland Professional in Training
- TxDOT Precertification: 2.3.1 Wetland Delineation, 2.3.2 Conditional/Functional Assessment, 2.4.1 Nationwide Permit, 2.4.2 Clean Water Act Section 404 Permits, 2.6.5 Protect Species Evaluations, and pending 1.9.1 GIS and Data Analysis