

Jodie Murray Burns, M.S.

Wetland Scientist & Stream Ecologist



EXPERTISE

Wetland Delineations and Determinations
CWA Sec 401/404 Permit Coordination
Wetland & Stream Mitigation
Stream Bioassessments & Monitoring
Natural Resource Inventories
Habitat Assessments
Watershed Inventories
NEPA Report Writing
Environmental Regulations Seminars

EDUCATION

M.S. Biological Sciences, 2001,
University of Arkansas (Stream
Ecology emphasis)
M.Ed., School Supervision, 1993,
Abilene Christian University
B.S., Biology, 1988, Harding
University (Chemistry minor)

PERMITS / CERTIFICATIONS

USFWS Federal Permit #TE97824A-
O, Exp. 5/31/23, American burying
beetle, Sub-permittee of Dr. Amy
Smith. Applied to USFWS for own.
State of OK Scientific Collector's
Permit, ID 5237055, Exp. 12/31/20
State of AR Scientific Collector's
Permit, #081320201, Exp. 8/17/21
State of KS Scientific Wildlife Permit,
#SC-115-2020, Exp. 12/31/20
Rosgen's Applied Fluvial
Geomorphology Level 1 Certified,
Nov. 2018
Wilderness First Aid Certified, Exp.
Feb. 2021
SWS Wetland Professional In
Training, WPIT, Sept 1995, no exp.

PROFESSIONAL MEMBERSHIPS

Society of Wetland Scientists (SWS):
South Central Chapter President-
Elect (2019-2021) & Arkansas
Education and Outreach Coordinator
(2017-present); Central Chapter
Member
Society of Freshwater Science, South-
Central Chapter Member
Association of State Wetland
Managers, Member

QUALIFICATIONS

Jodie Murray Burns has over 11 years of experience working nationwide with environmental regulations associated with the Clean Water Act (Section 401/404 permits), Endangered Species Act and National Environmental Policy Act for commercial and residential developments, transportation projects, oil & gas projects, conservation/restoration projects, and clean energy projects. Ms. Burns has worked with the implementation of these federal environmental regulations within the states of AR, OK, MO, KS, TX, KY, LA, TN, IN, and UT and the respective (project specific) U.S. Army Corps of Engineers' districts.

Ms. Burns regularly presents seminars covering regulation changes, judicial decisions, and legislative actions regarding the Clean Water Act (i.e. Waters of the U.S. or WOTUS) and the Endangered Species Act (ESA) to update fellow environmental professionals, college students, and clients of impending changes.

PROJECT EXPERIENCE

Stoneleigh Townhouses Residential Development, Centerton, Arkansas. Sept 2020. A site evaluation to field flag WOTUS areas on the proposed 8.3-acre project site was performed to assist in avoidance of WOTUS impacts and to finalize development plans. Project ongoing.

Valley Oaks Residential Development, Centerton, Arkansas. July 2020. A delineation of Waters of the U.S. using the Navigable Waters Protection Rule was performed on this proposed 7-acre residential development. Field data was passed onto the client for inclusion in the project's WOTUS report.

Diamond Spring Wind Farm, Johnston County, Oklahoma. March 2020. Monitored construction of the 112-wind turbine farm as per the USFWS permit requirements for the federally listed endangered American burying beetle. Assisted client in photo and video documentation of construction activities.

U.S. Economic Development Administration Grant, City of Fayetteville, Arkansas. February 2020. Assisted in team-writing an environmental narrative for the city's grant application. Assigned portions of the narrative outline were wetlands, endangered species, and vegetation & wildlife resources of the proposed 60-acre project site. Desktop analysis for wetlands and the USFWS IPaC process were performed. Project ongoing.

Federal Highway Administration, Mark Twain National Forest, Audubon Trail Relocation Project, Ste. Genevieve County, Missouri, & Low Water Crossing Reconstruction Project, Ripley County, Missouri. July 2019. A delineation of WOTUS was performed on a 1-mile length (13-acre area) of the Audubon Trail. Eleven WOTUS features (two wetlands and nine streams) were found. A low water crossing on Big Barren Creek was assessed for WOTUS. No wetlands were present, but 0.16 acres of WOTUS were mapped by identifying the OHWM. Both reports were submitted to client for future submittal to the USACOE.

Multiple Wind Farm Developments, Oklahoma, American Burying Beetle Surveys, 2014-2019. Presence/Absence surveys were performed per the USFWS guidelines to assist clients in meeting ESA regulations and permitting requirements. A total of 122 assigned trap locations were surveyed.

- Lone Star Express & West Texas II Transmission Line, West Texas, April-May 2019.** Delineation of Waters of the U.S on a proposed linear project (60+ miles of the team's 180-mile assignment) in West Texas - Rio Grande & Colorado River watersheds. Approximately 30+ features were documented and mapped using a Trimble Geo 7X.
- Glen Road Townhomes Residential Development, Bentonville, Arkansas, July 2018-Oct 2019.** Assessed 2-acre proposed project property for Waters of the U.S., including wetlands. Submitted report and coordinated permit with the US Army Corps of Engineers. Assisted client in meeting the mitigation requirements for the permit. Findings were a 0.45-acre area of wetlands with the development filling 0.18 acres of wetlands, along with impacting 181 total linear feet of intermittent and ephemeral drainageway.
- Shoal Creek Stream Inventory, southwest Missouri, Fall 2017- Winter 2018.** Project Manager: Coordination of a 55+ mile stream survey documenting bank stability conditions and environmental feature mapping effort was completed to document current conditions. GIS database developed to assist in conservation and watershed-scale restoration efforts on the stream, a state Conservation Opportunity Area (COA).
- Plains & Eastern Clean Line Transmission Line, Oklahoma & Arkansas, American Burying Beetle Surveys, Summer 2016.** Presence/Absence surveys were performed per the USFWS guidelines on an approximately 80-mile length of the transmission line by Ms. Burns' one-person crew (entire team's total ABB habitat survey length was 250 miles). Survey responsibilities included studying assigned trap locations within project work boundaries and road access via GeoAMPS on-line portal and Google Maps, and contacting client's land agents (and sometimes landowners) to obtain access permission, besides documenting all landowner interactions and making daily progress reports.
- City of Hulbert, Oklahoma, Environmental Assessment, Nov 2014-Feb 2015.** NEPA report writer as a wetland scientist and assisted client in obtaining required USACOE Nationwide Permit for project.
- Northwest Arkansas Water Transmission Line (Two Ton Loop), 1995.** Benton and Washington Counties, AR. Co-Project Manager: Responsible for coordinating endangered species survey, documenting pre-impact stream habitat and wetlands, and performing landowner notification prior to daily survey activities for the rural 70+ mile-long, 2-county water transmission line.

ADDITIONAL QUALIFICATIONS

Publications / Presentations

- University of Arkansas, Fayetteville, AR. Agricultural Economics Class. April 6, 2020. Presentation Title: Keeping Up with the Current WOTUS Definition and Its Impacts on Agricultural Interests.
- Society of Wetland Scientists - South Central Chapter Meeting, Galveston, TX. October 25, 2019. Presentation title: CWA Federal Policy Update – Recent Proposed Rule Changes by EPA & USACOE.
- Arkansas Water Resources Center's Annual Water Conference, Fayetteville, AR. July 31, 2019. Presentation Title: Status of WOTUS in Arkansas & A Case Study of Jurisdictional Issues Regarding Groundwater Protection.
- Public Comments to the U.S. EPA and USACOE for the Society of Wetland Scientists' Policy & Regulation Section at the only Public Hearing for the 2019 Proposed Water of the U.S. Re-Definition, Kansas City, KS, Feb 28, 2019.
- Society of Wetland Scientists South Central Chapter Meeting. North Little Rock, AR. Oct. 12, 2018. Presentation Title: The Clean Water Rule: A Review & Current Status, Keeping Up With Current Federal Policy.
- Presented preliminary findings of a 55+ mile survey of Shoal Creek, Newton County, MO, at The Nature Conservancy's Western Ozark Waters Initiative forum. Wildcat Glades Conservation & Audubon Center, Joplin, MO, March 15, 2017.
- Smith A., **Burns J.M.**, and Burba E. (coauthors). January 27, 2015. Draft Environmental Assessment of the Proposed Hulbert, OK, Water Treatment Plant Improvements. Prepared by SEARCH LLC, Siloam Springs, AR. 228 pages. (Technical Report)
- Burns, Jodie Janeen Murray.** December 2001. Thesis: Changes in Watershed Land Use, Geomorphology, and Macroinvertebrate Assemblages in Clear Creek, NW Arkansas, From 1948-1999. University of Arkansas. 97 pages.
- Burns J.M.**, and Barnes J.M. 1995. Environmental Assessment. Proposed Retail Development, West Lafayette, Indiana. Details mammal survey, bird sightings, plant inventory, wetlands, and cultural resources. 26+ pages. (Technical Report)
- Burns, J.M.**, Barnes J.M., and Mastrostefano D. 1994 Stream Enhancement/Mitigation Project for Kentucky Water Quality Certification, Middlesboro, KY. 19+ pages. (Technical Report)
- Burns, J.M.** 1994. Mitigation Plan for A.B. Shopping Center Properties, Inc., Lebanon, TN. Sheets 1-3. (Technical Report)
- Burns, J.M.** 1994. Preliminary Wetland Assessment and Needs/Alternative Analysis, Proposed Retail Development, Galliano, LA. 26+ pages. (Technical Report)

Awards - Society of Wetland Scientists President's Service Award, 2019 Annual Meeting, Baltimore, MD, May 2019.