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Header 1

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 1131010

Procurement Type: Central Contract - Fixed Amt

Vendor ID: 000000189555

Legal Name: ATC GROUP SERVICES LLC

Alias/DBA:

Total Bid: \$0.00

Response Date: 11/22/2022

Response Time: 12:02

Responded By User ID: ATCGroupservices

First Name: Jeff

Last Name: Rossi

Email: jeff.rossi@atcgs.com

Phone: 4122971794

SO Doc Code: CEOI

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Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder: 1131010
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Solicitation Closes	Solicitation Response	Version
2022-11-22 13:30	SR 0310 ESR11222200000002473	1

VENDOR
 000000189555
 ATC GROUP SERVICES LLC

Solicitation Number: CEOI 0310 DNR2300000001
Total Bid: 0
Response Date: 2022-11-22
Response Time: 12:02:31
Comments:

FOR INFORMATION CONTACT THE BUYER

Joseph E Hager III
 (304) 558-2306
 joseph.e.hageriii@wv.gov

Vendor
 Signature X **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Civil engineering				0.00

Comm Code	Manufacturer	Specification	Model #
81101500			

Commodity Line Comments:

Extended Description:

Design and Contract Administration of a new wetlands area at Meadow River Wildlife Management Area.



**Expression of Interest:
Meadow River Wildlife Management Area
Wetlands Project**
West Virginia Department of Natural Resources

Submitted By:
Atlas Technical Consultants LLC
November 22, 2022

November 22, 2022

Mr. Josh Hager
West Virginia Department of Natural Resources
2019 Washington Street, East
Charleston, WV 25305

RE: Expression of Interest: New Wetlands Project, Meadow River Wildlife Management Area

Dear Mr. Hager

Atlas Technical Consultants (Atlas) is pleased to submit our Expression of Interest to the West Virginia Department of Natural Resources (WVDNR) to provide preliminary studies pertaining to design options related to the construction cost of a new wetland in Fayette County and Summers County, West Virginia.

The Atlas team is uniquely qualified to deliver the requested wetland design and construction contract administration services for the project. While Atlas is a large firm, we operate as a smaller one. For this project, we feature a strong local office supplemented by nearby staff. Our size allows us to present a regional team with over 90 years combined experience in wetland ecological consulting.

Our ecological leads have completed projects in West Virginia for private, state and federal government clients.

- Our staff have a thorough understanding of wetland ecology, and the functions and services that wetlands provide.
- Atlas staff have decades of experience in evaluating sites for constructed wetlands, completing conceptual designs to achieve our clients goals, and turning those concepts into effective, constructible designs, plans and specifications.
- Even restoration projects require permits. Atlas staff have permitted restoration and other activities throughout the United States.
- Our years of experience have taught us how best to manage wetland and stream restoration and construction projects. These require techniques and equipment different from many upland projects. We've learned to carefully select and effectively manage our construction partners.

Please contact the undersigned if you have any questions.

Sincerely,



Ben Staud, P.E.
Client/Project Manager
340.533.0367
Email: Benjamin.Staud@oneAtlas.com



Jim Kooser
Senior Ecologist, Ohio Valley Region
340.533.0367
Email: Jim.Kooser@oneAtlas.com

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APPENDICES

APPENDIX A: RESUMES

1. TEAM BACKGROUND /INTRODUCTION

The Meadow River Wildlife Management area consists of 8 parcels covering approximately 2,400 acres near Rupert, in Greenbrier County, West Virginia. The area consists mostly of wetland in the bottomland areas around the Meadow River, north of US 64. We understand that the Division of Natural Resources intends to build a new Public Wetland Area that will reduce flooding, filter storm flows and provide habitat for native species. The work will involve evaluating the existing conditions and potential sites for the new wetland, develop designs, plans and specifications for the wetland, and overseeing the construction of the wetland.

Atlas Technical Consultants LLC will be your consultant for this effort. The work will be managed by Ben Staud, PE, who will be your main point of contact. Ben is located in our Morgantown, West Virginia office. He will be assisted by staff from our Pittsburgh, Pennsylvania, and our Cleveland and Columbus, Ohio offices. Our service lines in the Ohio Valley Region Ohio include wetlands and natural resources consulting, due diligence, environmental and hydrogeological services, environmental and geotechnical engineering, industrial hygiene, and construction material testing/quality control inspections.

Headquartered in Austin, TX, with over 3,200 employees and 150 offices in 45 states, Atlas is a leading provider of professional testing, inspection engineering and consulting services offering solutions designed to assist clients with the nation's most pressing needs— construction of new facilities, and renovation and maintenance of existing assets.

Our staff have designed and implemented wetland and stream mitigation, restoration, enhancement, and preservation projects throughout the U.S. Our ecologists have led projects to help local, state, and national parks and conservation groups achieve their conservation, restoration, and preservation goals. We understand the fundamental ecological processes that drive wetland functions. Our staff has decades of experience in evaluating areas, designing wetlands to achieve appropriate hydrology, and establishing native plant communities.

A highlight of our qualifications includes:

- + **EXTENSIVE SECTOR EXPERIENCE.** 90+ years of combined experience in the identification, delineation and assessments for streams and wetlands, permitting for project impacts, and mitigation and restoration activities.
- + **RESOURCES AND CAPACITY.** Ability to manage multiple sites with proven management systems that include scheduling, Quality Assurance (QA) review and reporting protocols, with experienced accounting and administrative groups for fast and efficient invoicing and project close out.
- + **REGULATORY EXPERTISE.** Atlas maintains a strong, interactive working relationship with regulatory agencies and a “client advocate” approach on regulatory matters.

SERVICES CAPABILITIES:

- Wetlands Evaluation /Delineation/Permitting/Mitigation/Restoration
- Terrestrial and Stream Evaluation and Restoration
- Land Use/Land Cover Mapping
- T and E Species Assessment and Management
- Invasive and Undesirable Vegetation Assessment, Mapping and Management
- Avian Surveys

2. KEY TEAM QUALIFICATIONS

Atlas maintains a highly trained team of engineers, architects, geologists, hydrogeologists, archeologists, inspectors, and other specialty environmental professionals. By integrating highly trusted environmental services, Atlas adds real value to environmentally sensitive infrastructure projects and eliminates risk, all while improving the health and livability of the communities we serve.

A DEDICATED LEADERSHIP TEAM – The Atlas team provides specialized expertise and experience with wetland and stream mitigation, restoration, enhancement, and preservation projects throughout the U.S. Our ecologists have led projects to help local, state, and national parks and conservation groups achieve their conservation, restoration, and preservation goals.

The team has extensive experience working together under federal and state regulatory codes and standards and *has collectively executed hundreds of similar scope related projects throughout the region*, we bring the following successful work history:

- + >3200 professionals nationally, 100+ in the West Virginia region
- + Technical specialists and regulatory experts in house
- + Atlas revenue for ecological / wetland / NEPA sector services is >\$10M in FYE 2020
- + A team with an average industry experience of >15 years

KEY PERSONNEL

Atlas presents a team that will provide the WVDNR with consistent, flexible, and efficient services. The team listed below has an average of 20 years of experience conducting services covered in your scope of work. This team allows us to meet aggressive work scopes and schedules, which in turn maximizes your return on investment.

➤ **Mr. Ben Staud, P.E. will serve as Project Manager/Client Contact for this project.** Mr. Staud is a licensed Professional Engineer with over 20 years of project management and design experience, including the past 1.5 years with Atlas. Mr. Staud's experience centers around investigating, designing, permitting, and managing a diverse array of environmental, geotechnical, and civil engineering projects. Based out of the Morgantown office, Mr. Staud has significant experience in managing and designing large scale engineering projects that require expertise various technical disciplines including acid mine drainage treatment, water and wastewater treatment, development of site grading plans, geotechnical evaluations, and stormwater control designs.

Specifically, Mr. Staud served as the design engineer for an active AMD treatment system in West Virginia that involved site grading and channelization of existing seeps into a flushable limestone bed and a subsequent polishing pond. In addition, he has managed and designed several other water treatment-related projects including a sanitary and wash bay wastewater treatment system and a groundwater treatment system to remove iron and manganese from drinking water. Mr. Staud has also designed and managed landfill capping, stormwater control and leachate treatment projects, geotechnical investigations and slope stability/repair projects in Pennsylvania and large manufactured gas plant remediation projects that have including stream bank restoration and construction oversight.

In his role for this contract, Mr. Staud will serve as the primary client contact and overall Project Manager. He will also serve as the primary engineering manager, performing, delegating, or overseeing the development of work plans, implementation of field work, development of grading/reclamation plans, stormwater control plans, and ultimately all project deliverables. Administrative responsibility will include client communication, status updates and reporting, and invoice management.

➤ **Jim Kooser will serve as Technical Lead for Designs and Evaluations** for this work. Mr. Kooser is an ecologist specializing in terrestrial and wetland ecology. He is responsible for identifying and analyzing ecological resources for private and government clients.

He has managed projects ranging from small private wetland studies to large multi-year, open ended transportation environmental clearance projects. Mr. Kooser has completed ecological studies in Illinois, Indiana, Maine, Maryland, Michigan, New York, North Carolina, Ohio, Oregon, Pennsylvania, Texas, Virginia, Washington and West Virginia

He has completed surveys for populations of state and federally listed plants in New York, Ohio and Pennsylvania Virginia and West Virginia. Prior to moving to the private sector, Mr. Kooser was the Ecologist for the Ohio Natural Heritage Program, where he was responsible for supervising the collection of plant community and rare plant data for the Program, including extensive work in Southeast Ohio.

He was a member of the Pennsylvania assessment team that developed models for the Hydrogeomorphic Method for wetland functional assessment. Mr. Kooser is a leader in GIS applications for natural resource analysis, particularly in using field portable computers for ecological field data collection.

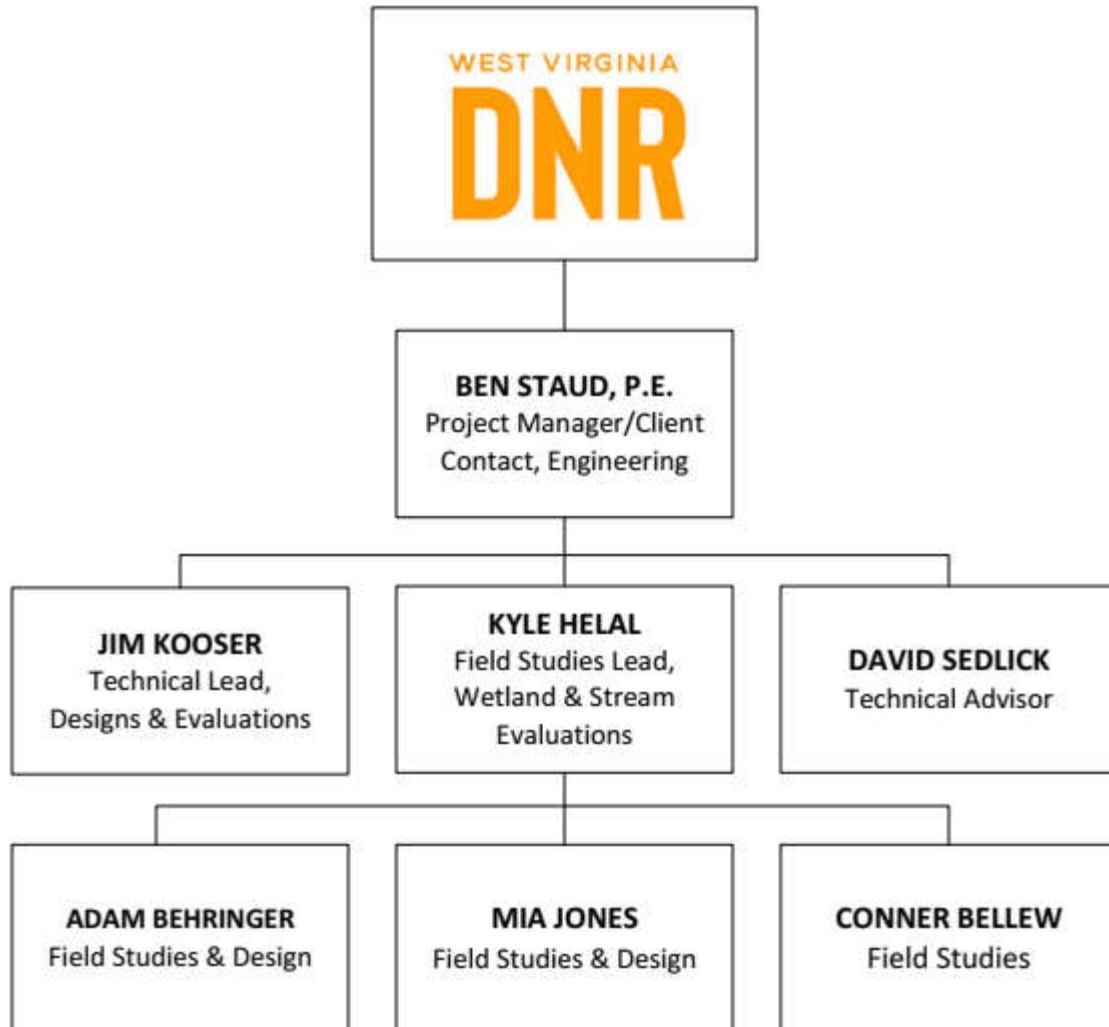
➤ **David Sedlick will serve as the Technical Advisor** for this project. David is an Environmental Professional (EP) as defined in the All Appropriate Inquiry (AAI) regulations with more than 23 years of experience in environmental assessment, ecological surveys, business development and management. David manages several national clients for Atlas and serves as point of contact for wetlands and ecological services. His wetland and natural resources experience includes identification, delineation and permitting, and the design, construction, and monitoring of wetland mitigation areas.

➤ **Kyle Helal will serve as a Field Studies Lead for Wetland and Stream Evaluations** for this project. With over 13 years of project management and regulatory compliance experience in the natural resources sector, Mr. Helal's areas of focus include Clean Water Act permitting and compliance, wetland delineation and reporting, biological assessments, Endangered Species Act consultation

and mitigation, environmental health and safety compliance, due-diligence assessments, and GIS services.

ORGANIZATION CHART

The project Organization Chart below illustrates the communication and reporting relationships within the Atlas team and with WVDNR. This organizational structure assures clear and direct lines of authority, responsibility, and accountability. All staff listed below are 100% dedicated to the WVDNR contract as needed and required based on nature of WVDNR Contract Requirements.



3. COMMUNICATIONS

Ben Staud, PE, will serve as your project manager and the single point of contact for the WVDNR. Once a notice to proceed is received, Mr. Staud will implement the project work and will outline priorities, schedules, budgets, and site information necessary for the team to accurately manage and execute the project within the time frames and budget approved by WVDNR.

During these activities, Mr. Staud will communicate directly with the WVDNR representatives(s) to convey general project status and any special or unforeseen circumstances that may impact timelines or indicate areas of concern. Draft progress reports will be developed utilizing the information obtained throughout the project. These reports will undergo a review by the Project Manager and a final Senior Review with submittal by Mr. Staud and the QA/QC staff to ensure accuracy, reliability of data and adherence to regulatory and WVDNR requirements.

He will monitor work progress, performance and conduct site visits and review of documents to ensure compliance with contract and regulatory requirements. Any unforeseen issues that could impact the project schedule, scope of work and/or budget will be addressed by immediate communication of the issue to WVDNR, featuring:

- Focusing the Atlas project management team on meeting the goals and requirements of the project
- Evaluating staff assignments and resources and adjusting as needed to meet goals
- Identifying alternative work plans and approaches to meet task/regulatory requirements and maintain or reduce budgets

4. EXPERIENCE

Waite Farms Mitigation Site

Location: Brunswick, OH Dollar Value: \$145,000

For this 100 lot residential subdivision, Atlas delineated and identified wetlands and streams, and assessed the environmental quality of these waters of the United States. We identified potential endangered species habitats and performed a Section 106 review. The purpose of the mitigation project was to compensate for impacts of the construction of the subdivision. As mitigation for the stream and wetland impacts, the USACE and the Ohio EPA approved the enhancement of 2.25 acres of wetlands, the creation of an additional 6 acres of wetlands, and restoration of 862 feet of stream on a portion of an existing mitigation site that was reserved for future mitigation in 2005. Atlas staff designed the mitigation area and supervised the construction and planting.



Atlas staff have undertaken several rounds of invasive species treatments to remove *Typha angustifolia* and other non-native plant species. Monitoring activities have included completing ORAM evaluations and HHEI studies. The team has also collected full VIBI data on the site every year since 2017. Monitoring activities will continue until 2024.

REFERENCE: Robert E Knight, Jr. Knight Development Corporation: 330.225-4515

National Design Mart Warehouse Expansion. Location: Medina, OH. Dollar Value: \$40,000

Atlas delineated and identified isolated wetlands, assessed the environmental quality of these isolated waters of the State (Ohio), and successfully a U.S. Army Corps of Engineers (USACE) Approved Jurisdictional Determination, and CWA Section 401 Ohio EPA Level 2 Isolated Wetland under the National Environmental Policy Act (NEPA), to aid in the construction of a new 100,000 square foot warehouse for the retail National Design Mart location. Mitigation for the project involved a combination of purchasing wetland mitigation credits and the planting and restoration of 3.47 acres of isolated forested wetlands on the property and monitoring for a period of at least 10 years. Forested wetland habitat areas that have since been converted to emergent habitat can be restored to pre-impact conditions with proper site management and routine monitoring. Additionally, agency input and coordination is vital to the success of a project.



Speedway Stream Restoration Location: Centerville, OH. Dollar Value: \$25,000

A portion of Holes Creek, a small stream in Centerville, OH, was relocated to accommodate a construction project carried out in 2005. Atlas designed a permitted relocation for 500 feet of stream channel for this project. The relocated channel featured a wide bed that allowed a two-stage channel to develop, with a main, low flow channel and a benched adjacent floodplain. This design allowed the development of a natural bed and bank and a small-scale flood plain.

Four years after the project was designed, an unexpectedly large storm water surge altered the designed channel. Atlas produced a design which accounted for higher flows, provided additional floodplain storage with a two-stage channel, and provided additional and improved in-stream habitat. Atlas staff supervised construction of the project and conducted post-construction monitoring.



City of Akron West Branch Cuyahoga River Wetland Assessment Location: Burton, OH. Dollar Value: \$45,000

Mr. Kooser led a group of ecologists who evaluated wetlands for the City of Akron. Water for the City comes from the Lake Rockwell, LaDue and East Branch reservoirs in the upper Cuyahoga River watershed. Protection of water quality in the Upper Cuyahoga is clearly a priority for the City. The City identified a large wetland complex south of Ohio Route 87 west of Burton, Ohio, that appeared to potentially include high-value wetland systems. In order to pursue grant funding to acquire and manage the roughly 340-acre tract, the City entered into a contract to map and assess wetlands and other aquatic resources on the property.

The project site is within the headwaters of the West Branch of the Cuyahoga River. Over 147 acres of wetlands, 16,312 feet of perennial stream, and 4,097 linear feet of intermittent stream were identified. The site, with its large wetland-stream complex, floodplain forest, and remnant fen, provides excellent habitat, and provides water quality benefits to the watershed and the downstream users.



The project team identified and delineated wetlands and other surface waters. Work included the preparation of U.S. Army Corps of



Engineers Wetland Determination Forms, Ohio EPA Ohio Rapid Assessment Method (ORAM) 10-page scoring sheets, Ohio EPA Qualitative Habitat Evaluation Index (QHEI) and Use Assessment Field Sheets, and Ohio EPA Primary Headwater Habitat Evaluation (PHWH) Forms. In addition, a Vegetation Index of Biotic Integrity Floristic Quality (VIBI-FQ) was performed following the Ohio EPA's guidelines in order to assess the site's ecological integrity based on a detailed analysis of plant species composition. On-site conditions were evaluated to determine of suitable habitat exists for state and/or federally listed species. The work provided the basis for the City to

argue that an investment in protecting these high-quality aquatic systems would provide distinct water quality benefits.

REFERENCE: Joyce Marzano, Environmental Design Group: jmarzano@envdesigngroup.com

Sunny Bank Farm Mitigation Bank Establishment.

Location: Spencer (Roane County), W.V.

Mr. Helal was the ecological field lead and a permit author for the identification, delineation, and assessment of 41,473 linear feet of Lick Creek and unnamed tributaries to Lick Creek, adjacent floodplains, adjacent palustrine wetlands, and upland areas within an approximately 81-acre tract located five miles southwest of Spencer, Roane County, West Virginia.

Ecological field operations included wetland delineation of the 81-acre site following the USACE 1987 Wetland Delineation Manual and the Eastern Mountains and Piedmont regional supplement to the USACE 1987 Wetland Delineation Manual; identification and biosurvey of all on-site regulated stream channels including water quality analyses, physical and habitat evaluations, and benthic macroinvertebrate assessments; completion of WV Wetland Rapid Assessment Method surveys of identified wetland habitats; a determination of the estimated number of mitigation credits generated by the bank through completion of the USACE Charleston District's *Guidelines for Preparing a Compensatory Mitigation Plan*; and supplemental consultation with the USACE Charleston District and the WV Department of Environmental Protection.

The project was approved under the USACE Nationwide Permit Number 27 (NWP-27) permitting vehicle for Aquatic Habitat Restoration, Enhancement, and Establishment Activities; and a general Section 401 Water Quality Certification was issued under the NWP-27. The purpose of the project was to provide off-site compensatory mitigation for projects that result in unavoidable impacts (including the discharges of dredged and/or fill material) to streams and/or wetlands within the

specified service area; and the goal of the mitigation bank is to restore, enhance, and preserve many of the ecological functions of the site's in-channel and riparian habitats as well as to restore, enhance, and/or preserve existing palustrine wetlands. The bank was designed to reduce or eliminate non-point source pollution associated with livestock grazing and other nearby agricultural activities while floodplain function would be improved by increasing hydraulic resistance to floodwaters. Water quality functions are to be improved by restoring native, adjacent woody riparian vegetation, and reducing local bed and bank erosion. Targeted functions include improvements to wildlife habitat, water quality, flood conveyance and attenuation, and erosion control through the implementation of natural channel design and the reestablishment of riparian buffers. Upon project authorization the monitoring, maintenance, and stewardship of the mitigation bank site was transferred to a private conservation firm.

New York Power Authority (NYPA) Niagara Habitat Improvement Projects Location: Buffalo area, NY. Dollar Value: \$13,000,000.

Mr. Kooser served as the assistant project manager and lead ecologist for aquatic, wetland and



terrestrial restoration projects that were carried out as part of the habitat improvement commitments made as a result of the re-licensing of NYPA's Niagara Power Project. The team restored wetlands and terrestrial systems at Beaver Island State Park, on the west side of Grand Island. Work here included creating 8 acres of hemi-marsh in an area where a stream channel had been established. At Motor Island the team removed invasive terrestrial plant species and designed shallow wetland areas along the outer rim of the island. The team rebuilt

previously failed and created new wetlands at Strawberry Island. Finally, Jim helped design the re-establishment of Frog Island, a very shallow small island complex that was situated north of Strawberry Island. NYPA was awarded the **National Hydropower Association's Outstanding Steward of America's Waters** award in 2015, recognizing the Frog Island Project's success in helping preserve and restore the unique ecology of the Niagara River.

Jim helped lead efforts to design these restoration areas, build and plant the areas, and monitor them after construction.

REFERENCE: Steven Schoenweisner, NYPA: Stephen.Schoenweisner@nypa.gov

ADDITIONAL PROJECT EXPERIENCE:

Niagara Power Project Re-licensing Habitat Improvement and Recreation Enhancement Projects

Location: Niagara Falls, New York.

Dollar Value: \$12,000,000

Mr. Kooser managed and executed various Habitat Improvement Projects (HIPs) and Recreation Enhancement Projects (REPS) associated with the re-licensing of the NYPA's Niagara power project.

The work involved restoring wetlands, creating new wetlands and islands, creating nesting platforms for Osprey, and managing invasive species in local wetlands and other activities. Projects included:

- Post construction monitor for Osprey Nesting HIPs,
- Post-construction assessments at the Intakes site REP,
- Pre-construction assessments, planting design and permitting at Strawberry Island,
- Evaluation of impacts of Bald Eagle nesting at Strawberry Island,
- Development of bid documents for the Beaver Island and Invasive Treatment HIPS, construction of FERC-required signage, and the Artpark Steel Stairs REP,
- Assessment of long term needs for operations and maintenance for all HIPs and REPs
- Soil sampling and plant community analysis for topsoil stocks and dredge disposal areas.
- Helped develop educational signage for HIPS and REPS.
- Assisted with management of trail relocations.
- Performed surveys for state and federally listed species.
- Managed coordination with NYPA, state and federal agencies, advisory groups and sub-consultants.
- Prepared scopes of work, budgets and schedules.

**Lower Black River Ecological Restoration Master Plan*,
U.S. EPA GLINPO Group, Lorain, Ohio.**

Dollar Value: \$75,000

Mr. Kooser led a team that developed an ecological restoration master plan for the lower portion of the Black River in the City of Lorain, Ohio. The project was funded through U.S. EPA's GLINPO group, and produced a long term, detailed plan whose linked goals were to restore ecosystem health and economic vitality to the river (a Great Lakes Area of Concern) and the City of Lorain. Jim prepared the project QAPP, led public and stakeholder meetings, and led the team which provided the assessment and developed the Master Plan.

**Buffalo River Shoreline & Riparian Habitat Restorations
Buffalo & Niagara River Keeper, Buffalo, New York.**

Dollar Value: \$60,000

Mr. Kooser was the senior ecologist who led ecological studies and permitting efforts which focused on restoring riparian habitat at 3 sites along the Buffalo River. The projects involved stabilizing eroding shorelines with plantings, establishing riparian planting zones and creating shallow nearshore wetland habitat. The sites are within the Buffalo River AOC. Jim prepared the QAPP for the projects and led ecological studies and restoration designs.

**Habitat Restoration Feasibility Study for the Rochester Harbor Federal Navigation Project
US Army Corps of Engineers, Buffalo District, Rochester, New York**

Dollar Value: \$45,000

Mr. Kooser was the lead ecologist for this project that involved developing and evaluating alternatives to improve water quality and habitat values in a near shore area near Rochester harbor, Rochester, New York. Helped evaluate the causes of lowered water quality near the harbor. The immediate problem involved eliminating large algal mats that form every year in nearshore areas. Helped develop ecological and engineering solutions to improve nearshore current flows and help prevent nutrient run-off.

Buffalo Outer Harbor Restoration

Buffalo Niagara Frontier Transportation Authority (NFTA), Buffalo, NY.

Dollar Value: \$400,000

The Buffalo Outer Harbor is a large former pier and warehouse site. Led ecological efforts to evaluate and design bioengineering, restoration, and habitat enhancements along the Outer Harbor pier in Buffalo. The team developed plans to remove rocky debris and concrete from a small inlet in the pier, developed plans to stabilize soils and prevent erosion and developed planting plans. The goal of restoration in the inlet area was to create a system that mimicked a small Lake Erie coastal marsh. Mr. Kooser oversaw data collection, design, construction, and planting.

Lake Erie Balanced Growth Initiative Chagrin Pilot Project

Chagrin River Watershed Partners, Cuyahoga, Geauga, Lake and Portage Counties, Ohio.

Dollar Value: \$65,000

Developed and evaluated various criteria to select Priority Conservation and Priority Development Areas (PCAs and PDAs) in the Chagrin Watershed. Helped develop the project GIS, developed and evaluated a list of selection criteria for PCAs and PDAs, and assisted planners in developing strategies to implement suggestions of the project. The team collaborated with researchers from Case University, which developed a model to evaluate the "sensitivity" of each sub-watershed to hydrodynamic changes resulting from development in the watershed. The project team used FRAGSTATS and Hawth's Tools to analyze various landscape ecological metrics, including patch size, infectivity, fragmentation, and connectivity.

Western Lake Erie Basin Assessment

US Army Corps of Engineers Buffalo District, Northwest Ohio.

Dollar Value: \$250,000

Jim led ecological analyses to assess existing conditions of habitat for aquatic, wetland and terrestrial species in the Maumee River basin and the western basin of Lake Erie in Northwest Ohio. The team identified problems and potential opportunities to protect and restore habitat in order to improve water quality in the western basin of Lake Erie. Reports were produced for each of the sub-watersheds. Conducted GIS assessments and prepared maps, authored ecological sections of all reports and served as chief editor of all documents.

Little Cuyahoga River Restoration Plan

US Army Corps of Engineers Buffalo District, Cleveland, OH.

Dollar Value: \$70,000

As lead scientists Mr. Kooser developed the Project Development Memorandum, Feasibility Memorandum, and other early-stage planning documents for this project intended to develop a plan to restore ecological function in the Little Cuyahoga River.

APPENDIX A: RESUMES

JIM KOOSER

SENIOR ECOLOGIST

EDUCATION

Undergraduate studies in biology, Kent State University, Kent, Ohio
Undergraduate and graduate studies in plant ecology, The Ohio State University, Columbus, Ohio

SPECIALIZED TRAINING

Ohio EPA Headwater Habitat Evaluation Index (HHEI) and Qualitative Habitat Evaluation Index (QHEI)

Ohio EPA Ohio Rapid Assessment Method for Wetlands (ORAM)

Wetland Construction Series, Wetland Training Institute Inc. (WTI)

Wetland Delineation Training, Regional Manuals, WTI

Winter Botany, WTI

PROFESSIONAL ORGANIZATIONS

Society of Wetland Scientists
Natural Areas Association

HIRE DATE

8/2021

EXPERIENCE PRIOR TO JOINING ATLAS

34 years

EXPERIENCE & RESPONSIBILITIES

Jim has been a practicing ecologist since 1986, with experience in both the private and public sectors. His responsibilities at Atlas include leading wetland and natural resource investigations, permitting, business development, mentoring staff and project management. Jim has performed and managed natural resource evaluations, wetland delineations, permitting and mitigation, endangered species assessments, NEPA and FERC documentation, park and nature preserve planning and management, ecosystem restoration and ecological risk assessment, and surveys for invasive and state and federally listed species. His clients have included state, local and federal governments and agencies; electric and gas utilities; oil and natural gas pipeline companies; not-for-profit groups and developers. He has completed projects in Arkansas, Illinois, Indiana, Kentucky, Maine, Maryland, Michigan, New York, Ohio, Pennsylvania, Texas, Virginia and West Virginia.

PROJECT EXPERIENCE

Wetland Delineations, Functional Assessments, Permitting, Mitigation and Restoration

Mr. Kooser has completed and led wetland the full spectrum of wetland related services for private clients in the housing, retail, and commercial industries; electric, oil, gas and public utilities; and state, local and federal government. He's experienced in the use of all current and former wetland delineation manuals, and a wide variety of functional assessment techniques.

SPECIFIC PROJECT EXAMPLES

Niagara Power Project Re-licensing Habitat Improvement and Recreation Enhancement Projects*, New York Power Authority,

Managed and executed various Habitat Improvement Projects (HIPs) and Recreation Enhancement Projects (REPS) associated with the re-licensing of the NYPA's Niagara power project. The work involved restoring wetlands, creating new wetlands and islands, creating nesting platforms for Osprey, and managing invasive species in local wetlands and other activities. Projects have included:

- Developing the monitoring plan for Beaver Island,
- Post construction monitoring at the Beaver Island, Motor Island, and Osprey HIPs,
- Post-construction assessments at the Intakes siteREP,
- Pre-construction assessments, restoration design and permitting at Strawberry Island,

- Evaluation of impacts of Bald Eagle nesting at Strawberry Island,
- Planting consulting for Motor and Frog Islands,
- Development of bid documents for the Beaver Island and Invasive Treatment HIPS, construction of FERC-required signage, and the Artpark Steel Stairs REP,
- Performed surveys for state and federally listed species.
- Managed coordination with NYPA, state and federal agencies, advisory groups and sub-consultants.
- Prepared scopes of work, budgets and schedules.

Calvary Creek Restoration*, Ohio Department of Transportation,

Lead scientist for project to restore 2000 feet of impaired urbanized stream in Mill Creek Park. The project was designed to mitigate stream impacts from nearby highway project. Stream restoration goals addressed water quality, eroded stream banks and restoration of riparian buffer strips.

Wetland Replacement and Stream Mitigation Plans, Western Ohio, ODOT.

Mr. Kooser was the lead ecologist for the design of a 25 acre wetland and stream mitigation area designed to offset resource losses due to the expansion of US Route 30 in western Ohio. He assisted with the evaluation of the site and the design of replacement wetlands and stream improvements. He helped develop hydrologic budgets for the design and planting plans for the final wetland and stream configurations.

JIM KOOSER

[Buffalo Outer Harbor Restoration*](#), [Buffalo Niagara Frontier Transportation Authority](#)

The Buffalo Outer Harbor is a large former pier and warehouse site. Led ecological efforts to evaluate and design bioengineering, restoration and habitat enhancements along the Outer Harbor pier in Buffalo. Mr. Kooser developed plans to remove rocky debris and concrete from a small inlet in the pier, developed plans to stabilize soils and prevent erosion and developed planting plans. The goal of restoration in the inlet area was to create a system that mimicked a small Lake Erie coastal marsh.

[State Route 11/King Graves Road Interchange, Section 401 Water Quality Certification and Section 404 Wetland Permitting*](#),

Prepared section 404 and 401 permit applications for this proposed interchange in northeast Ohio. Coordinated agency contacts and managed all technical ecological aspects of the project. Managed final design of replacement wetland areas for the project. Managed construction of the required 0.25 acre mitigation area.

[Open-ended Wetland Services*](#), [Maryland State Highway Authority](#)

Manager and principal scientist for two state-wide open-ended wetland services contracts for the Maryland State Highway Authority. Supervised over 20 assignments ranging from wetland studies for small bridge replacements to studies along major federal highways. Pioneered the use of remotely piloted aircraft (drones) to monitor wetland mitigation areas. All assignments were completed on time and within the original budgets.

[Vegetation Mapping, Pejepscot Reservoir. Brookfield Renewable Partners, Maine.](#)

Mr. Kooser mapped and analyzed vegetation to support FERC re-licensing efforts at Brookfield's Pejepscot dam. The project included surveys for state listed plants, birds and mammals.

[Countywide Wetland Inventory*](#), [MetroParks Serving Summit County,](#)

Led efforts to identify high quality wetlands within the county and to assess the apparent level of preservation necessary in order to establish acquisition goals. Additionally, large areas with wetland restoration potential were also identified and prioritized based on their size and restoration potential. The inventory and prioritization process were conducted through the use of GIS analysis with input from interested stakeholders throughout the county. Other aspects of the project included the determination of land use patterns throughout the county, aerial photo

interpretation, ground truthing and categorization of wetland quality including an evaluation of acquisition priorities. .

[Lower Black River Ecological Restoration Master Plan*](#), [U.S. EPA GLINPO Group, Lorain, Ohio. Project Manager and Lead Scientist.](#)

Led a team that developed an ecological restoration master plan for the lower portion of the Black River in the City of Lorain, Ohio. The project was funded through U.S. EPA's GLINPO group, and produced a long term, detailed plan whose linked goals were to restore ecosystem health and economic vitality to the river (a Great Lakes Area of Concern) and the City of Lorain.

[Woods Edge Wetland Restoration and Mitigation.](#)

Mr. Kooser was the lead ecologist for a developer involved in an enforcement action undertaken by the US Army Corps of Engineers. The developer filled 8 acres of wetland during construction of housing. He developed a plan to restore 8 acres of previously filled acre, and provide an additional 6 acres of compensatory mitigation.

[Little Cuyahoga River Restoration Plan*](#), [US Army Corps of Engineers Buffalo District,](#)

Developed the Project Development Memorandum, Feasibility Memorandum, and other early stage planning documents for this project intended to develop a plan to restore ecological function in the Little Cuyahoga River. Project date(s): 2009

[Western Lake Erie Basin Assessment*](#), [US Army Corps of Engineers Buffalo District, Northwest Ohio.](#)

Led ecological analyses to assess existing conditions of habitat for aquatic, wetland and terrestrial species in the Maumee River basin and the western basin of Lake Erie in Northwest Ohio. The team identified problems and potential opportunities to protect and restore habitat in order to improve water quality in the western basin of Lake Erie. Reports were produced for each of the sub-watersheds. Conducted GIS assessments and prepared maps, authored ecological sections of all reports and served as chief editor of all documents

[Wetland Design, Sunny Lake Park*](#), [Aurora, Ohio. Project](#)

Developed a conceptual plan to construct an 8-acre wetland designed to treat incoming water. The design incorporated several smaller stilling basins and emergent and scrub-shrub dominated wetlands Negotiated an agreement with the US Army Corps of Engineers, Buffalo District to fund the wetland construction by selling wetland mitigation credits to developers in the watershed of the Aurora Branch of the Chagrin River.

DAVID SEDLICK

PRINCIPAL IN CHARGE/ECOLOGIST

EDUCATION

BS, Natural Resources, Development, Policy and Planning, Ohio State University, 1994

REGISTRATION

Ohio Department of Transportation (ODOT) Office of Environmental Services (OES) Waterway Permits and Ecological Surveys

Ohio EPA Headwater Habitat Evaluation Index (HHEI) and Qualitative Habitat Evaluation Index (QHEI)

Ohio EPA Wetland Biocriteria Training-Vegetation and Amphibian Index of Biotic Integrity (VIBI/AmphIBI)

Ohio EPA Ohio Rapid Assessment Method for Wetlands (ORAM)

OH EPA Asbestos Program - Asbestos Hazard Evaluation Specialist - ID# [REDACTED]

23 YEARS EXPERIENCE

EXPERIENCE & RESPONSIBILITIES

David oversees branch operations, including contract management, quality control, financial reporting, and administrative management. David is an Environmental Professional EP) as defined in the All Appropriate Inquiry (AAI) regulations with more than 23 years of experience in environmental assessment, ecological surveys, business development and management. David manages several national clients for ATC and serves as point of contact for multifamily housing projects and wetlands and ecological services.

PROJECT EXPERIENCE

USACE Section 404 Individual Permit/OEPA 401 Water Quality Certification Level 2 Isolated Wetland Permit and Wetland Restoration Site Development - Medina County, Ohio.

Mitigation/restoration monitoring included monthly hydrological monitoring, woody plant density measurement, invasive plant species control, wildlife community assessment, and stream and wetland habitat assessment. Wetland vegetation community composition and identification, as well as hydric soils profile descriptions were included in the mitigation monitoring and delineation reports.

Wetlands and Stream Delineation/Determination - Brunswick, Ohio.

Delineated and identified wetlands and streams, assessed the environmental quality of these waters of the United States, identified potential endangered species habitats, performed a Section 106 National Historic Preservation Act historical and cultural review, and successfully completed U.S. Army Corps of Engineers (USACOE) permitting of wetland and stream habitats to be filled to allow for the construction of a 100+ lot residential subdivision in conjunction with the onsite creation of a 4.0+ acre mitigation wetland and approximately 1,500 linear feet of stream habitat buffer enhancements. ATC designed, constructed and monitored a 7.0+ acre consolidated permittee-responsible wetland and stream mitigation site that was used as mitigation for this multi-phase project.

Cincinnati Bulk Terminal Facility - Environmental Assessment/

Categorical Exclusion for Proposed Development Actions, Cincinnati, OH.

Evaluation included the preparation of the Categorical Exclusion worksheets, coordination with various agencies, historical review, onsite observations, review of proposed design plans, and review of potential impacts to threatened and endangered species, aesthetics, noise, air quality, environmental justice, cultural and historical impacts, ecological environments, flood plains, land use, public safety, and several other potential environmental consequences. The report was subject to review by the US Department of Transportation's (USDOT) Federal Railroad Administration (FRA).

ODOT Level 1 Ecological Survey, Regulated Materials Review (RMR) Screening & Investigation, Section 106 National Historical Preservation Act Cultural Resources Coordination

Ohio Department of Transportation (ODOT) Level 1 Ecology Survey, Regulated Materials Review (RMR) Screening, RMR Investigation, and Section 106 National Historic Preservation Act (NHPA) Cultural Resources Coordination under the National Environmental Policy Act (NEPA). In conjunction with the Level 1 Ecological Survey, state and federally listed rare, threatened, and endangered species coordination was completed with the U.S. Fish & Wildlife Services (USFWS) and Ohio Department of Natural Resources (ODNR) Natural Heritage Database to determine if any known species capture/occurrence or suitable habitat records occurred within or in proximity to the project area.

Kyle Helal

Project Manager/Environmental Scientist

EDUCATION

B.A., Environmental Sciences,
University of Pittsburgh, 2007

CERTIFICATIONS

PA DCNR Wild Plant
Management Permit (# [REDACTED]),
PA DCNR 2020.

USACE 40-hr Wetland
Delineation Certification,
Richard Chinn Environmental,
2008.

First-Aid/CPR/AED Training,
American Red Cross, 2019.

Rabies 3-dose pre-exposure
vaccination, ACHD, 2015.

OSHA 10-Hour Construction,
Safety, & Health Training, 2013.

SafeLand USA Training, PEC,
2012.

EXPERIENCE & RESPONSIBILITIES

Mr. Helal is a Project Manager for ATC Group Services in the Environmental Services Division. With over 13 years of project management and regulatory compliance experience in the natural resources sector, Mr. Helal's areas of focus include Clean Water Act permitting and compliance, wetland delineation and reporting, biological assessments, Endangered Species Act consultation and mitigation, environmental health and safety compliance, due-diligence assessments, and GIS services.

PROJECT EXPERIENCE

USACE and State Clean Water Act Permitting Management, Natural Gas Well Pad Developments; WV, PA, and OH

Managed the environmental compliance and permitting of Marcellus and Utica natural gas well sites and impoundments in West Virginia, Pennsylvania, and Ohio. Responsibilities included permit identification and tracking related to new site development; proposal authorship; contracting; budgeting; biological and cultural survey management and associated agency consultation; wetland delineation; habitat assessment; client and agency communications; preparation and submittal of all federal, state, and municipal environmental permit packages; technical report authorship and senior review; sub-contractor communications and management; process improvement identification; and implementation of lessons learned. Management of these projects required constant, stringent coordination with all agencies and client representatives involved to avoid unnecessary permitting delays, with regular status check-ins with the client manager and agency permitting manager, due to the time-sensitive nature of most natural gas projects.

USACE and State Clean Water Act Permitting Management, Linear Natural Gas Projects, WV and OH

Managed the environmental compliance and permitting of linear projects associated with Marcellus and Utica natural gas developments in West Virginia, Pennsylvania, and Ohio, including underground pipelines, underground and aboveground water lines, and road improvements. Responsibilities included permit identification and tracking related to new site development; proposal authorship; contracting; budgeting; biological and cultural survey management and associated agency consultation; wetland delineation; habitat assessment; client and agency communications; preparation and submittal of all federal, state, and municipal environmental permit packages; technical report authorship and senior review; sub-contractor communications and management; process improvement identification; and implementation of lessons learned. Management of these projects required constant, stringent coordination with all agencies and client representatives involved to avoid unnecessary permitting delays, with regular status check-ins with the client manager and agency permitting manager, due to the time-sensitive nature of most natural gas projects.

Wetland Delineation Project, North East Township, Erie County, PA

Project Manager and lead wetland delineator for delineation of 50.3-acre site in North East Township, Erie County, PA. Project involved wetland delineation, reporting, and survey sub-contractor coordination.

Wetland Delineation Project, Millcreek Township, Erie County, PA

Project Manager and lead wetland delineator for delineation of 10.23-acre site in Millcreek Township, Erie County, PA. Project involved wetland delineation, reporting, feature staking, and survey sub-contractor coordination.

Wetland Delineation Project, Harborcreek Township, Erie County, PA

Project Manager for delineation of previously-surveyed 37.6-acre site in Harborcreek Township, Erie County, PA. Responsibilities included field data management and correction, reporting, GIS data and mapping coordination, figure production, and survey sub-contractor coordination.

Wetland Mitigation Bank Development, Tyler and Harrison Counties, WV

Field technical lead for wetland mitigation bank development in Tyler and Harrison Counties. Project involved wetland delineation, WV Wetland Rapid Assessment Method field analyses, habitat assessment; listed species presence/absence surveys; wetland credits analysis; and agency consultation.

ECCD Streambank Stabilization Project, Millcreek Township, Erie County, PA

Project Manager and permitting lead for this project involving the bank stabilization of a perennial stream that has eroded an adjacent property in Millcreek Township, Erie County, PA. Project involved field assessment and analysis, reporting, permitting, geotechnical analysis, sub-contractor coordination, coordination with PA DEP NWRO, Erie County Conservation District, and Millcreek Township Floodplain Manager, environmental inspection, and construction oversight.

Aquatic Resources Permitting for Private Development, North East Township, Erie County, PA

Project manager and permitting lead for Utility Line Stream Crossing and Temporary Road Wetland Crossing project in North East Township, Erie County, PA. Project involved infiltration testing, monitoring well advancement and decommissioning, pump/recovery testing, slug testing, groundwater mounding analysis, GP-5 and GP-8 permit package development and submittal; and supplemental consultation with PADEP NWRO and Erie County Health Department. Project is ongoing.

Wetland Assessment and Compliance Project, Erie County, PA

Project Manager and field lead for a wetland assessment project in Erie County, PA. Project involved an assessment of a small wetland area on private property, and follow-up correspondence with Erie County Conservation District regarding compliance measures required to address previously issued violations to the client. Responsibilities included site characterization, wetland assessment, and agency consultation.

ECCD Chapter 105 Permit Package Revision and Compliance, Erie County, PA

Project Manager for an Erie County Conservation District permit package revision. Client experienced bank erosion along a previously-permitted section of land adjacent to Lake Edinboro that was threatening to damage existing parking areas. Project involved collecting field measurements for required additional permit areas; revising the site E&S Plan, PNDI Report, and Site Plans with the additional acreage required for bank stabilization; and coordination with Erie County Conservation District and PA Department of Conservation and Natural Resources to ensure agency compliance. Responsibilities included permit package revision, E&S plan revision, and agency correspondence.

Dam Methane Mitigation Project, Indiana County, PA

Project Manager for a methane mitigation project for a dam in Indiana County, PA. Project involved a site characterization study of the dam and geological resources below the dam, specifically regarding coal bed methane, development of a methane mitigation pilot plan, implementation of the pilot plan, and installation of a permanent methane mitigation system. Responsibilities included site characterization study authorship, oversight of on-site activities, project communications with the teaming partner, overall QA/QC, and agency consultation.

Tree Species Inventory, City of Pittsburgh Municipal Property Expansion, Pittsburgh, PA

Project arborist for a municipal property expansion project within the City of Pittsburgh, PA. Responsibilities included site assessment; tree species identification (individuals greater than six inches in diameter at breastheight (DBH)); individual tree flagging; and sub-contractor coordination/scheduling.



Conor Bellew

Ecological Resources Technician

EDUCATION

B.S., Environmental Resource Management: The Pennsylvania State University

CERTIFICATIONS

USACE 40-hr Wetland Delineation Certification, Gailey Environmental LLC 2021

Environmentally Sensitive Dirt and Gravel Road Maintenance. 2016

OSHA 10-Hour Construction, Safety, & Health Training. 2021.

EXPERIENCE & RESPONSIBILITIES

Mr. Bellew is an Ecological Services Technician for Atlas Technical Consultants. With over 3 years of GIS experience, and over one year of ecological and regulatory application experience in the natural resources sector, Mr. Bellew's areas of focus include Pennsylvania Chapter 105 Permitting, wetland delineation and reporting, stream assessments, biological assessments, and GIS services.

PROJECT EXPERIENCE

Wetland Delineation

In Pennsylvania and Indiana, Mr. Bellew has performed wetland delineations for land development and natural gas pipeline replacements on sites ranging from 5 acres to 20 acres. These tasks required prior research on site location, using topographic maps, NHD streams, and NWI services. The prior research allowed for targeted investigation of the site, focusing on specific topographic relief and hydrology sources.

After identifying locations, plots were taken and plant species were identified and logged in order of dominance (using USACE hydrophytic vegetation dominance formula on the wetland delineation forms). The wetland indicator status of each plant species and its relative dominance in the sample area is used to determine if the plot passes the hydrophytic vegetation criteria for wetland delineation. Mr. Bellew noted stressed plants to define a border between wetland and upland plots. For example, Skunk Cabbage requires wetland conditions to thrive but when there was a line of skunk cabbage all undersized compared to the supposed center of the plot, then it became good indicator that the boundary of the wetland was nearby.

Hydrology sources were identified by looking at topography, to predict where subsurface flow and runoff would accumulate. Anything downhill from a spring, seep, ditch or pond was investigated, along with any mid-slope terraces or general depressional areas.

Used Munsell soil charts to determine soil color, ribbon and slurry test for texture, and compared the results to the NRCS's Field Indicators of Hydric Soils. If the soils meet any of those criteria, then the soil passes the Wetland soil test. Mr. Bellew would note presence of rock fragments or mixed soil horizons as signs of disturbed soil which could explain the potential lack of field indicators of hydric soils. Given the plot passes Hydrophytic vegetation test and the hydrology test, the presence of recently disturbed soil could still be considered a wetland, even if the hydric soil test doesn't pass.

Using the Strata of the dominant plants in an identified wetland, Mr. Bellew determined the quality of the wetland. Wetlands containing more wetland trees and shrubs are considered more highly valuable than emergent wetlands with mostly wetland grasses and herbs. The more highly valuable wetlands require a higher fee for impacting, or have more stringent mitigation requirements.

Stream Assessments

Mr. Bellew assessed streams for a variety of criteria. Observations included: aquatic organisms (fish, duckweed, etc) bank stability, canopy cover, proportions of substrate sizes, turbidity, flow rate, ordinary wetted width, ordinary high water mark, bank height and bank width. Mr. Bellew was responsible for determining the stream classification and reported Ephemeral, Intermittent and Perennial streams.



ADAM BEHRINGER

PROJECT ECOLOGIST

EDUCATION

Bachelors in Geology with a Minor in Ecology, Kent State University, Kent Ohio. (2019), Columbus, Ohio

SPECIALIZED TRAINING

Hazardous Waste Operations and Emergency Response - 40 hour, 2021

OSHA 10 hour, 2020

38-hr Army Corps. Wetland Delineation - 2021

Ohio EPA - Ohio Rapid Assessment Method for Wetland (ORAM), 2021

Ohio EPA Level 2 Qualitative Habitat Evaluation Index (QHEI), 2021

Ohio EPA - Primary Headwater Habitat Streams (HHEI), 2022

PROFESSIONAL ORGANIZATIONS

HIRE DATE
11/2022

EXPERIENCE PRIOR TO JOINING ATLAS
4 years

Mr. Behringer is a Wetland Biologist with over 3 years of experience in Natural Resources and Environmental Consulting. His experience includes a variety of projects for utility companies, real estate developer's both public and private, and engineering firms throughout Ohio, Pennsylvania, Illinois, West Virginia, and Indiana. He performs wetland assessments and delineations, as well as ecological assessments and habitat surveys. He prepares ecological reports including those for 404 Nationwide (NWP) and Individual Permits, and Water Quality Certifications (WQC), Pre-Construction Notification (PCN) and Ohio level 1 and 2 isolated wetland permits. Mr. Behringer is also experienced in conducting Phase I and II Environmental Site Assessments, surface and groundwater monitoring, soil and rock logging, field inspection, and pollinator surveys.

PROJECT EXPERIENCE

Knight Development Mitigation, Staff Ecologist, Media, Ohio 2020-2021.

Mr. Behringer assisted in a 10-year, 40-acre wetland restoration project. Performing wetland delineations, stream assessments using Qualitative Habitat Evaluation Index (QHEI), and vegetation assessment using the Vegetation Index of Biotic Integrity (VIBI) assessment. Additional responsibilities also included stream velocity assessments, using the Ohio Rapid Assessment Method to score wetlands and to accompany government agencies for site visits.

Huntington National Bank, Wetland Evaluations.

Performed wetland evaluations and delineations on multiple sites in Ohio, Florida, Indiana, and South Carolina for Huntington National Bank as part of their due-diligence program. Work included desktop evaluations of wetlands and other natural resources, wetland determinations (presence/absence studies) and full delineations.

Southeast School District, Wetland Delineation

Delineated wetlands and other waters of the US as part of a plan to expand facilities at the Southeast District High School.

High Street Properties, Wetland Services

Performed a wetland determination and subsequent delineation on a 45 acre site near Elgin, Illinois. Delineated several emergent and forested wetlands and a small intermittent stream for this proposed warehouse site.

Residential Development Site, Erie, PA

Performed a wetland delineation on a 75 acre former vineyard near Erie, PA. The site is proposed for a small residential development.

Wetland Delineation Nestle, Batavia Ohio 2022.

Lead wetland biologist for a 145-acre property located near Cincinnati Ohio. Delineated wetlands and streams, scored wetlands using ORAM, scored streams using QHEI and/or HHEI, performed threatened and endangered species habitat assessment. Led the USFWS, USACE, and OEPA site visits which include jurisdictional determination, ORAM confirmations, and a key communicator between the client and regulatory staff.

North Royalton School District, Permitting

Developed and submitted Section 404 and 401 permit applications for the planned expansion of this school in North Royalton. Successfully negotiated the permits, and completed the submission of as-built drawings and final reports.

Pollinator Surveys, Stark County, Ohio 2020 - Present.

Led and conducted surveys for Rusty-patch bumblebee (*Bombus affinis*) and the associated flowering plant each insect was on. Information was logged through Survey123 and iNaturalist.



Wetland Delineation and Assessment (Gas Pipeline), Dominion Energy, various locations, Ohio, 2021-Present.

Field biologist for various projects. Delineated wetlands and streams, scored wetlands using ORAM, scored streams using QHEI and/or HHEI, performed threatened and endangered species habitat assessment, and conducted vegetation monitoring. Prepared field summary reports, letter reports, delineation reports, environmental compliance summaries and Stormwater Pollution Prevention Plan (SWPPP) documents. Coordinated with USFWS, ODNR, and State Historic Preservation Office.

Lepidoptera Inventory Survey NASA Lewis Field and Neil A. Armstrong Facility, Ohio 2022.

Field led and assisted in creating transect areas were in 14 various habitat sections. These sections were visited on 21 trips from early May to late September of 2022 and were surveyed using walking/driving transects throughout the defined area. Identifications were made by visual observation or capture/release using a standard butterfly net. Sampling for moths was conducted on 16 visits from mid-April to early October.

Cagles Mill Lake *Bombus Affins* and Habitat survey, Owen and Putnam Counties, Indiana 2022.

Led biologist for the habitat survey and the *Bombus* inventory while using non-lethal netting techniques to capture *Bombus* species. Placing each individual that was netted into a vial and put on ice within a cooler for approximately five minutes to slow and relax the individual for an accurate identification and photography. Once the individual was identified and photographed, blue chalk powder was dusted onto the bee to avoid recounting the individual. Additionally, the project was evaluated for the quality of the habitat available to *B. affinis* utilizing the Rusty Patched Bumble Bee Habitat Assessment Form & Guide (Xerces Society 2017).

Environmental Services for Retail Petroleum Clients, Geologist, Ohio 2020-2021.

Mr. Behringer served as a project manager that aided in the management of the Ohio Bureau of Underground Storage Tanks Regulation (BUSTR) Tiered process for investigation and remediation of petroleum product releases. Manage closure and removal of underground storage tanks. Prepare closure assessment reports in accordance with state regulations. Conduct follow-up reporting to BUSTR, and Ohio EPA, as applicable. Perform soil logging, groundwater monitoring well installation and abandonment, groundwater sampling, free product recovery, and other field services.

YRC AST Removal, Regulatory Review

Assessed the regulatory status of an apparent wetland that developed within a containment dike surrounding an Aboveground Storage Tank (AST). Wetland vegetation (mostly *Typha* and *Phragmites*) had developed within the containment dike due to a lack of regular maintenance. Adam participated in studies and reviews which determined that the area did not meet the 3 criteria for wetland determination, and was not regulated under 33 CFR Part 328.3 (B).

Opus Development Company, LLC. Wetland Services.

Wetland biologist for natural resources work for OPUS, LLC, a regional development company operating in Ohio and Indiana. Participated in studies to identify and delineate wetlands on various properties. He has obtained permits from the US Army Corps of Engineers, Ohio EPA and Indiana Department of Environmental Management.



MIA JONES

WETLAND ECOLOGIST

EDUCATION

Undergraduate studies in Geology/Earth Sciences. The University of Akron, Akron Ohio.

SPECIALIZED TRAINING

36 Hour Wetland Delineation Training - Gailey Environmental

Asbestos training

40 HOUR HAZWOPER Refresher course

HIRE DATE

2/2022

EXPERIENCE & RESPONSIBILITIES

Mrs. Jones has over three years of experience working on various wetland projects for Atlas. Her responsibilities include assisting on wetland delineations, site reconnaissance, and environmental site assessments.

PROJECT EXPERIENCE

Wetland Permitting, Skybox Packaging Facility.

Composed the wetland delineation report for a packaging materials plant located in Mansfield Ohio. Confirmed delineation data and submitted the final draft for senior review.

[Seneca Engineering, Rogers Landfill.](#) Assisted on a team to evaluate the regulatory status of an intermittent stream at the site of a proposed landfill near Rogers, Ohio. The team evaluated a previously delineated stream and wetland complex to verify the delineation and assess the regulatory status of the resources. All resources were determined to be Waters of the US and State of Ohio.

Opus Development Company, LLC. Wetland Services.

Assisted with studies to identify and delineate wetlands on various properties in Ohio and Indiana.

[DiGeronimo Companies, Wetland and Natural Resources Consulting](#)

Mia is part of the Atlas team serving the DiGeronimo Companies as wetland and natural resources consultants. To date the team has identified and delineated wetlands on confidential properties in Ohio. The team completes resource reports and advises DiGeronimo staff on permitting and other resource issues.

[Miscellaneous Projects Starbucks, Asset Tagging and Troubleshooting.](#)

Performed asset tagging and equipment troubleshooting for Starbucks locations in Ohio, Pennsylvania, and New York.