The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

List View

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

Procurement Folder: 1834025
Procurement Type: Central Contract - Fixed Amt
Vendor ID: VS0000039420
Legal Name: ECS MID ATLANTIC LLC
Alias/DBA:
Total Bid: $0.00
Response Date: 12/03/2025
Response Time: 11:38
Responded By User ID: ECS_MidAtlantic
First Name: Danny
Last Name: Rainey
Email: maprequals@ecslimited.co
Phone: 5407853552

SO Doc Code: CEOI
SO Dept: 0310
SO Doc ID: DNR2600000003
Published Date: 11/10/25
Close Date: 12/3/25
Close Time: 13:30
Status: Closed
Solicitation Description: A&E - Meadow River WMA Wetlands Project
Total of Header Attachments: 1
Total of All Attachments: 1

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:	1834025
Solicitation Description:	A&E - Meadow River WMA Wetlands Project
Proc Type:	Central Contract - Fixed Amt

Solicitation Closes	Solicitation Response	Version
2025-12-03 13:30	SR 0310 ESR12032500000003379	1

VENDOR

VS0000039420
ECS MID ATLANTIC LLC

Solicitation Number: CEOI 0310 DNR2600000003

Total Bid: 0 **Response Date:** 2025-12-03 **Response Time:** 11:38:14

Comments:

FOR INFORMATION CONTACT THE BUYER
Joseph (Josh) 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.

ECS MID-ATLANTIC, LLC: EXPRESSION OF INTEREST

ECS MID-ATLANTIC, LLC
449 Fortress Boulevard, Suite 2403
Morgantown, WV 26508

ATTN: THOMAS REBAR, LRS
304.244.5424 trebar@ecslimited.com

ecslimited.com

GEOTECHNICAL CONSTRUCTION MATERIALS ENVIRONMENTAL FACILITIES

ECS COVER LETTER

ECS Mid-Atlantic, LLC
449 Fortress Boulevard, Suite 2403
Morgantown, WV 26508
412.206.1470
ecslimited.com

December 3, 2025

Josh Hager, III
Department of Administration
Purchasing Division
2019 Washington Street E
Charleston, WV 25305

RE: Response to Expression of Interest, A&E Meadow River WMA Wetlands Project
Solicitation No: CEOI 0310 DNR2600000003, Proc Folder: 1834025

Mr. Hager,

ECS Mid-Atlantic, LLC (ECS) and our qualified team, understand this project involves providing engineering services to evaluate, design, specify and provide construction administration for the establishment of a natural wetland area located on the Meadow River Wildlife Management Area (WMA) in Greenbrier County, WV for waterfowl and wildlife diversity.

Our team possesses a considerable background in projects of this nature and we are ready to address the project's goals and objectives, which include:

- Reviewing site conditions and assessing feasibility to develop a plan that minimizes cost and ecological disturbance while addressing project objectives.
- Providing services to design and permit the facilities described in this EOI, aligning with the Division of Natural Resources' needs, objectives, current law and code and adhering to the project budget.
- Delivering Construction Contract documents and Administration Services with capable professionals to support the project's construction and functionality as designed.

We have carefully reviewed the solicitation documents, including the instructions to vendors, project specifications and terms and conditions. We confirm our understanding that this Expression of Interest may not contain any price or fee information, as outlined in section four. Our submission focuses on demonstrating our qualifications, experience and proposed approach to address the project's requirements. We understand that evaluation will be based on criteria such as qualifications, experience, past performance, anticipated concepts and methods of approach, along with an oral interview.

We are eager to contribute our expertise to the Meadow River WMA Wetlands Project and are ready to provide further information as requested.

Respectfully submitted,

Vince Humenay, CERP
Natural Resources Manager, Principal
717.767.4788 (office)
717.317.3697 (cell)
vhumenay@ecslimited.com

Thomas Rebar, LRS
Environmental Senior Project Manager
412.206.1470 (office)
304.266.7207 (cell)
trebar@ecslimited.com

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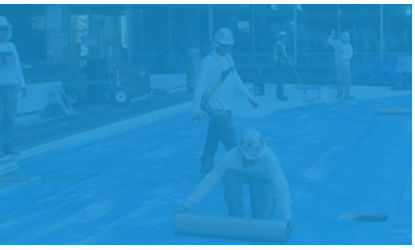

QUALIFICATIONS, EXPERIENCE AND PAST PERFORMANCE

FIRM QUALIFICATIONS AND EXPERIENCE

ECS is a premier provider of geotechnical engineering, construction materials testing, environmental consulting and facilities engineering services across West Virginia, Maryland, Pennsylvania, New Jersey, Delaware and Virginia. With more than 1,000 employees and over 35 years of experience, ECS is equipped to help clients through the entire project cycle for both the private and public sectors. The office serving this contract will be our Chantilly, VA location.

Founded in Chantilly, VA, ECS Mid-Atlantic, LLC is one of the operating entities of the ECS Group of Companies. ECS operates in 100+ locations throughout the United States. Utilizing the strengths, experience and expertise of 3,000 staff across the company, ECS is able to save our clients time and money.

The ECS Environmental Group has approximately 140 experienced staff members spread throughout the Mid-Atlantic region. This group is comprised of engineers, geologists, scientists and technicians, with a wide range of technical capabilities. The group is structured so that a Director of Environmental Services, who is responsible for the overall management, has the ability to utilize the appropriate staff as specific project needs and tasks warrant, regardless of physical location.

The ECS Environmental Group is structured regionally to allow our clients to utilize the capabilities of the entire group regardless of where the project is located. This helps us to ensure that appropriate staff is assigned to a particular project. Because we are not limited by operating areas, each local project manager can rely on the technical and managerial expertise of the group as a whole. This structure allows team assignments to be commensurate with the needs of each project or task order contract. Professional staff are registered and/or certified in multiple jurisdictions, which allows our clients to work with recognized professionals in each field when interfacing with regulating agencies.

Our staff has an exceptional working knowledge of the environmental issues and regulations generally encountered in the regulatory environment and has built that experience through working with various agencies and developing good working relationships. Many of our staff serve on technical advisory committees, regulatory boards and task groups at the local, state and federal level. This allows us to keep abreast of current and proposed regulations.

OUR VALUE

ECS embodies its philosophy of “Setting the Standard for Service” by using technology and experience to assist clients in the development of cost-effective, practical solutions. For over three decades, our engineering consulting services have helped our clients meet project requirements.

SAFETY PROGRAM

The ECS Safety Program is built on care and concern for our people. Genuine care and concern is the cornerstone of all we do in the name of safety at ECS. Our goal is to implement practical solutions to continually improve our safety processes and demonstrate our commitment to a safe work environment. Processes including near miss reporting, safety observations and employee engagement + feedback sessions have all been created with the goal of sending our people home safely every day.

SUBCONSULTANTS

AllStar Ecology LLC (ASE) has been working as environmental consultants and contractors with a focus on stream/wetland restoration and enhancement and wildlife habitat since 2007. ASE has over 33 full time employees and can provide turn-key services for stream and wetland related services including: survey, design, construction, monitoring, vegetation management and permitting. ASE has worked with both public and private sector entities to promote health and function of streams and wetlands with an emphasis wildlife and ecological integrity.

ASE has completed several design-build projects in the region, which are outlined below. ASE also focuses on creating habitat for rare, threatened and endangered (RTE) species such as bats, bumblebees and plants including known populations of running buffalo clover (Trifolium stoloniferum). ASE employs skilled heavy equipment operators and owns specialized equipment for stream and wetland restoration.

ASE has extensive experience with regulatory agencies in both West Virginia and Ohio including the Interagency Review Team (IRT) in both states. ASE has the unique ability to satisfy all needs to obtain USACE permits in-house. We have specialized staff for permitting, RTE and cultural resources. ASE has permitted, designed and constructed compensatory mitigation projects including private mitigation banks, permittee responsible mitigation (PRM) projects and In-lieu Fee (ILF) projects. ASE has been involved with mitigation projects throughout the region including West Virginia, Ohio, Pennsylvania, Kentucky, Virginia and Washington DC.

In West Virginia, ASE has completed construction on a full delivery project by the West Virginia Department of Environmental Protection (WVDEP) who administers the West Virginia ILF Program. This turnkey project involved the restoration of 4,408 feet of stream and enhancement/preservation of 16 acres of wetland in Greenbrier County, WV. The project is completed and was sold to WV DNR. Additionally, ASE performed construction management on a WV ILF project also this year totaling over 10,000 linear feet of stream restoration which was constructed in two months.

ASE has extensive experience in WV regarding stream and wetland restoration/mitigation. As a private mitigation banker, ASE can efficiently complete stream restoration design-build projects in-house and do them cost effectively because our company specializes in this exact type of work. ASE has completed construction of two projects in the same year for WVDEP In-Lieu Fee Program totaling over 15,000 linear feet of stream restoration. Additionally, in the same year they completed a design-build project for The Nature Conservancy in Ohio which included approximately 4,000 linear feet of stream restoration and five acres of wetland restoration.

ASE has worked with WVDNR specifically on several wetland projects focused on wildlife habitat enhancements. See specific project references provided within this section that will are very similar in size and scope to the proposed Meadow River Wetlands Project.

Steven R. Kelly Professional Land Surveyor and Planner (Kelly Survey) started business in 1975. Doing mainly small property surveys for Realtors, Lawyers and Mortgage Companies. Soon they were awarded several large contracts by the trustee of the Penn Central Railroad, which lasted for many years.

Since their beginning, they have worked for many of America's largest companies. Surveying for TDWR towers for eight of the east coasts largest airports. They have done major and minor subdivisions for private land developers, construction layout, inventory management for industrial manufacturing.

However, while working on large projects they have maintained a base of small to medium size clients in the fields of real estate, title insurance, mortgage loans and the legal profession as well as the public.

They use high precision Trimble state of the art robotic and GPS equipment. All drafting is done in the latest version of Auto-Cad and Civil 3D.

WEST VIRGINIA
STATE TAX DEPARTMENT

BUSINESS REGISTRATION CERTIFICATE

ISSUED TO:
ECS MID-ATLANTIC, LLC
14026 THUNDERBOLT PLACE 100
CHANTILLY, VA 20151-0000

BUSINESS REGISTRATION ACCOUNT NUMBER: **1009-3012**

This certificate is issued on: **04/04/2018**

This certificate is issued by
the West Virginia State Tax Commissioner
in accordance with Chapter 11, Article 12, of the West Virginia Code.

The person or organization identified on this certificate is registered to conduct business in the State of West Virginia at the location above.

This certificate is not transferrable and must be displayed at the location for which issued.

This certificate shall be permanent until cessation of the business for which the certificate of registration was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them. CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of this certificate displayed at every job site within West Virginia.

atL006 v.19
L1933733568

West Virginia State Board of Registration for Professional Engineers

Search: Details

Legal Name:	ECS MID-ATLANTIC, LLC
WV Company COA:	**COA Number:** C02306
	COA Status: Active
	COA Issue Date: 12/22/2004
	COA Expiration Date: 12/31/2025
Primary Address of Record:	14026 THUNDERBOLT PLACE, SUITE 3 SUITE 300 CHANTILLY, VA 20151
Engineer In Responsible Charge:	LEO J. TITUS, JR
	PE License Number: 013694
	PE License Status: Active
	PE License Expiration: 12/31/2024

This data was retrieved on 7/9/2024.

West Virginia State Board of Registration for Professional Engineers
300 Capitol Street - Suite 910, Charleston, West Virginia 25301
(304) 558-3554 | info@wvpebd.gov

A Century of Service!
1921 - 2021

State of West Virginia Certificate

I, Mac Warner, Secretary of State of the State of West Virginia, hereby certify that

ECS MID-ATLANTIC, LLC

was duly authorized under the laws of this state to transact business in West Virginia as a foreign limited liability company on November 30, 2004.

The company is filed as an at-will company, for an indefinite period.

I further certify that the company has not been revoked or administratively dissolved by the State of West Virginia nor has the West Virginia Secretary of State issued a Certificate of Cancellation or Termination to the company.

Accordingly, I hereby issue this Certificate of Authorization

CERTIFICATE OF AUTHORIZATION

Validation ID:3WV7T_5D4SD

Given under my hand and the Great Seal of the State of West Virginia on this day of
May 30, 2024

Mac Warner
Secretary of State

Notice: A certificate issued electronically from the West Virginia Secretary of State's Web site is fully and immediately valid and effective. However, as an option, the issuance and validity of a certificate obtained electronically may be established by visiting the Certificate Validation Page of the Secretary of State's Web site, https://apps.wv.gov/sos/businessentitysearch/validate.aspx entering the validation ID displayed on the certificate, and following the instructions displayed. Confirming the issuance of a certificate is merely optional and is not necessary to the valid and effective issuance of a certificate.

WEST VIRGINIA
STATE TAX DEPARTMENT

BUSINESS REGISTRATION CERTIFICATE

ISSUED TO:
ALLSTAR ECOLOGY LLC
1582 MEADOWDALE RD
FAIRMONT, WV 26554-8880

BUSINESS REGISTRATION ACCOUNT NUMBER: 2187-3981

This certificate is issued on: 01/24/2013

This certificate is issued by the West Virginia State Tax Commissioner in accordance with Chapter 11, Article 12, of the West Virginia Code.

The person or organization identified on this certificate is registered to conduct business in the State of West Virginia at the location above.

This certificate is not transferrable and must be displayed at the location for which issued. This certificate shall be permanent until cessation of the business for which the certificate of registration was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them. CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of this certificate displayed at every job site within West Virginia.

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WEST VIRGINIA CONTRACTOR LICENSING BOARD

CONTRACTOR LICENSE

AUTHORIZED BY THE
West Virginia Contractor Licensing Board

NUMBER: WV046329

CLASSIFICATION:
EXCAVATION
GENERAL ENGINEERING
SPECIALTY

ALLSTAR ECOLOGY LLC
1582 MEADOWDALE RD
FAIRMONT, WV 26554

DATE ISSUED	EXPIRATION DATE
MARCH 20, 2025	MARCH 20, 2026

Authorized Signature

Chair, West Virginia Contractor Licensing Board

WEST VIRGINIA CONTRACTOR LICENSING BOARD

A copy of this license must be readily available for inspection by the Board on every job site where contracting work is being performed. This license number must appear in all advertisements, on all bid submissions, and on all fully executed and binding contracts. This license is non-transferable. This license is being issued under the provisions of West Virginia Code, Chapter 30, Article 42.

WEST VIRGINIA STATE BOARD OF LANDSCAPE ARCHITECTS

certifies that

Allstar Ecology, LLC

is a duly registered entity and is entitled to practice Landscape Architecture in the State of West Virginia for the period of July 1st , 2025 thru June 30th, 2026.

2026

In testimony whereof this certificate has been issued by the authority of this board

Certificate of Authorization Number: 34

This authorization expires on and must be renewed by or before June 30th, 2026.

Jason Testman, Board President
WV Board of Landscape Architects

PROPOSED STAFFING PLAN

Project Leadership

ROLE	NAME	PRIMARY RESPONSIBILITIES
Contract Manager/Point of Contact	Vincent Humenay	Serves as the primary liaison for the client; manages contractual obligations and project correspondence; oversees adherence to project scope and schedule, drawing upon expertise in over 300 dam removal and aquatic organism passage projects in the Mid-Atlantic Region.
Environmental Principal	Justin Hughes Ryan Ward	Provides senior technical guidance and strategic direction; reviews key deliverables for technical merit and regulatory alignment; guides the team in addressing project complexities.

Core Project Team

ROLE	NAME	KEY CONTRIBUTIONS TO PROJECT GOALS
Senior Wetland Scientist	Justin Laughlin Ernest Smith	Leads wetland delineation and functional assessments; contributes to site condition evaluations and feasibility studies (Goal 1); aids in the development of design specifications (Goal 2).
Wetland Scientist	Daniel Synoracki	Participates in site assessments and data collection; contributes to the engineering design of wetland features and associated facilities (Goal 2); supports the creation of construction documents (Goal 3).
Field Lead	Gregory Short, Jr Thomas Rebar	Directs field investigations, including wetland delineation and data gathering; contributes to the evaluation of site conditions and ecological considerations (Goal 1); assists with environmental permitting documentation (Goal 2).
Landscape Architect	Nathan Greene	Contributes landscape architecture expertise to wetland design and site planning (Goal 1); integrates aesthetic and functional design elements; supports development of comprehensive site design solutions for stream and wetland issues (Goal 2).
Environmental Engineer	Stacey Mullens	Supports environmental data analysis and report preparation; assists with regulatory research and permit application preparation (Goal 2); contributes to documentation for construction phase guidance (Goal 3).
T&E Coordination	Eric Schroder Eli Shleser Aaron Nemeyer	Coordinate and support threatened and endangered species assessments and compliance; manage species-specific permitting requirements; provide regulatory coordination with wildlife agencies (Goal 1, 2 and 3).

Team Approach to Project Goals

The team collectively addresses the project goals through a collaborative and phased approach:

Goal 1: Review site conditions and evaluate feasibility while communicating effectively with the owner to determine a plan that can be implemented in a manner that minimizes cost and ecological disturbance and meets objectives.

- Justin Hughes and Ryan Ward (Environmental Principals) guide the overall approach to site evaluation and feasibility studies, focusing on ecological considerations and project viability. Ryan Ward's expertise as a Certified Professional Wetland Delineator and experience with over 800 projects provides valuable insight.
- Justin Laughlin and Ernest Smith (Senior Wetland Scientists) conduct detailed field assessments, including wetland delineations and habitat evaluations. Ernest Smith, as a PWS, provides strong technical capabilities in this area.
- Thomas Rebar and Gregory Short, Jr. (Field Leads) direct comprehensive field investigations, including wetland delineation and data gathering to evaluate site conditions and ecological considerations. Gregory Short, Jr.'s experience as a Lead Botanist is particularly beneficial for vegetation surveys.

- Daniel Synoracki (Wetland Scientist) contributes engineering perspectives to site conditions and potential design solutions.
- Nathan Greene (Landscape Architect) provides landscape design input for site planning and aesthetic integration, drawing on his experience designing stream and wetland mitigation.
- Eric Schroder, Eli Shleser and Aaron Nemeyer (T&E Coordination) assess threatened and endangered species impacts and develop mitigation strategies, utilizing their specialized survey and identification skills for bats, mussels and plants/reptiles/amphibians, respectively.
- Vincent Humenay (Contract Manager/Point of Contact) facilitates regular communication with the client to present findings and discuss planning options, leveraging his background in dam removal and aquatic organism passage.

Goal 2: Provide necessary services to design and permit the facilities described in this EOI in a manner that is consistent with The Division of Natural Resources needs, objectives, current law and current code; while following the plan to design and execute the project within the project budget.

- Justin Hughes and Ryan Ward provide oversight for the design and permitting strategy, confirming alignment with regulatory frameworks and project objectives. Ryan Ward's experience with regulatory compliance for over 800 projects aids this.
- Daniel Synoracki leads the engineering design components, developing plans for wetland establishment and associated infrastructure.
- Nathan Greene contributes landscape architecture expertise to integrate wetland features with surrounding environmental and aesthetic considerations, informed by his experience designing mitigation projects.
- Justin Laughlin, Ernest Smith and Thomas Rebar provide wetland science input to the design process, helping to shape ecologically sound solutions. Ernest Smith's proficiency in stream and wetland design/construction is a distinct advantage.
- Gregory Short, Jr. supports design development through field data coordination and technical input, especially regarding botany and wetland delineations.
- Stacey Mullens (Environmental Specialist/Permitting Support) assists in preparing permit applications and supporting documentation, navigating relevant laws and codes.
- Eric Schroder, Eli Shleser and Aaron Nemeyer coordinate threatened and endangered species permitting requirements and compliance documentation, drawing on their specific permitting experiences for various species.
- Vincent Humenay monitors the project budget and schedule, working to maintain progress within established parameters.

Goal 3: Provide Construction Contract documents and Administration Services with competent professionals that provide guidance for the project is constructed and functions as designed.

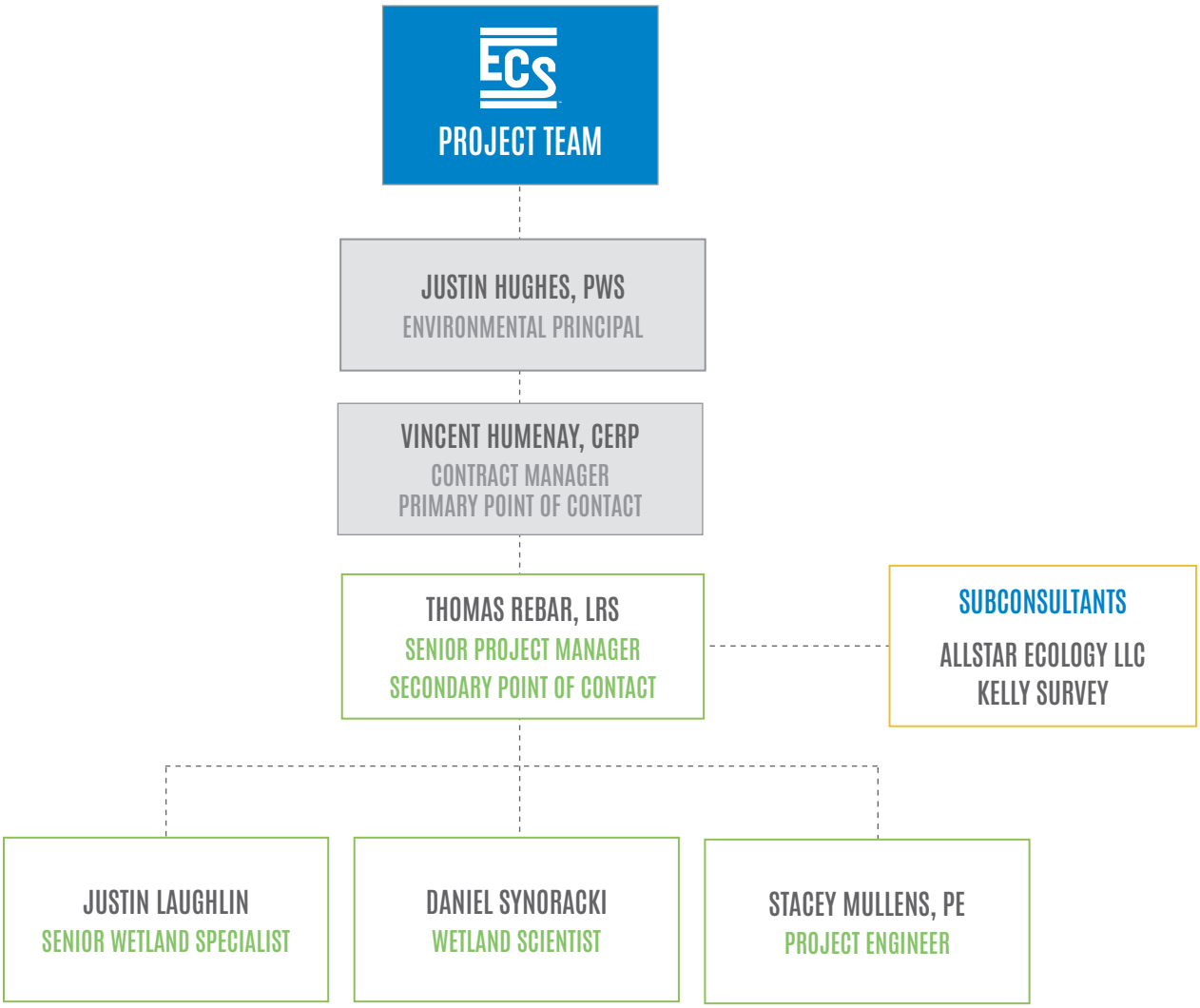
- Justin Hughes and Ryan Ward review construction contract documents for technical consistency and adherence to design intent. Ryan Ward's experience as a project manager overseeing regulatory compliance is beneficial.
- Daniel Synoracki contributes to the preparation of construction documents and offers engineering guidance during the construction phase.
- Nathan Greene provides landscape architecture oversight during construction to provide guidance for proper implementation of design elements, drawing on his experience with wetland restoration.

- Justin Laughlin, Ernest Smith and Thomas Rebar provide environmental input during construction, helping to confirm that wetland features are established as planned. Ernest Smith's experience in leading stream/wetland construction projects is highly relevant.
- Thomas Rebar and Gregory Short, Jr. coordinate field activities and provide construction oversight with their extensive field management experience. Gregory Short, Jr.'s work on development projects provides practical construction-related insight.
- Stacey Mullens supports the documentation and administrative aspects of construction phase guidance.
- Eric Schroder, Eli Shleser and Aaron Nemeyer provide construction monitoring to confirm threatened and endangered species protection measures are properly implemented, utilizing their field survey skills.
- Vincent Humenay manages the administrative aspects of construction phase guidance, including communications and documentation.

Qualifications and Experience

The assembled team possesses a collective background in environmental science, wetland ecology, engineering, landscape architecture and threatened and endangered species coordination, with experience pertinent to wetland establishment projects. Their combined expertise supports the evaluation, design, permitting and construction phase guidance for natural wetland areas, aligning with the project's technical and administrative requirements. The expanded team structure provides comprehensive coverage of specialized disciplines while maintaining effective coordination and quality control throughout the project lifecycle.

ORGANIZATION CHART AND RESUMES



VINCENT HUMENAY, CERP | CONTRACT MANAGER/PRIMARY POC

PROFESSIONAL CREDENTIALS

PennDOT Environmental Compliance

OSHA: 30 Hour Training

River Morphology and Applications

Bog Turtle Ecology and Habitat

EPA Watershed Mgmt Trng Cert

Applied Fluvial Geomorphology

Army Corps of Engineers Regulatory IV wetland delineation training

SKILLS

State and Federal Regulatory Specialist

Extensive Knowledge of river morphology and stream restoration

Familiar with the Rosgen stream classification system

Designed and constructed various fish habitat features

Familiar with the life cycle and behavior of migratory and resident freshwater fishes

EDUCATION

Master of Environmental Pollution Control, 2002, Pollutants in Aquatic Systems/Stream Ecology, Pennsylvania State University, University Park, PA

Bachelor of Science, 2000, Ecology/Zoology, Juniata College, Huntingdon, PA

PROFESSIONAL PROFILE

Mr. Humenay is a nationally known expert in dam removal, stream restoration and fish passage projects. Mr. Humenay is a state and federal regulatory specialist and has extensive knowledge in fish behavior. Mr. Humenay has been involved in over 300 stream restoration and dam removal projects in the Mid-Atlantic Region. Mr. Humenay has worked with government and non-profit agencies to obtain and administer grant funding on numerous projects across the Mid-Atlantic Region.

PROJECT EXPERIENCE

Otter Creek Streambank Stabilization, York County, PA – The areas experienced extreme flooding during a storm event that caused substantial flooding and damage to roads, infrastructure and properties. Mr. Humenay prepared and administered an EXHIP grant for a streambank stabilization and fish habitat project that received 30 feet of root wads, 40 feet of brush mattresses, 50 feet of modified mudsills, 100 feet of bioengineered stream banks and 16 multi log vane structures. The structures will help to stabilize the stream banks and create aquatic habitat for trout and other resident fish species. The project will greatly reduce current erosion and sedimentation issues and provide quality fish habitat along Otter Creek.

Patton Dam Removal – Patton Borough, Cambria County, PA – Managed the removal of an eight foot high, 75 foot wide, rock-filled concrete and sheet piling structure, aimed at enhancing public safety and reducing long term maintenance for the Borough. Our team restored 800 linear feet of stream channel and two acres of floodplain and riparian wetlands, facilitating natural aquatic organism passage. By reconnecting 13 miles of habitat, including vital areas for brook trout, American eel and hellbenders, we improved ecosystem resilience. Implemented a design prioritizing floodplain and wetland restoration while safeguarding existing infrastructure, resulting in enhanced floodwater storage capabilities (approximately 700,000 gallons) mitigating peak flows for Patton town. Led all aspects of dam removal design, including sediment management, coordinating seamlessly with DEP Dam Safety for timely project completion.

Medix Run Stream Restoration Project, Benezette, PA – Designed and permitted a stream restoration project on Medix Run to protect buildings and other infrastructure from the lateral migration of the stream. The project incorporated rock cross vanes, modified mud sills and boulder toe protection to create grade control, provide bank stabilization and create trout habitat. Construction management was also provided for this project.

Bog Turtle Wetland Restoration, Lancaster, PA - Mr. Humenay was involved in the design and permitting of this habitat restoration project on the Nature Conservancy's Acopian Preserve. The project designed terrestrial and wet meadow habitat that had been lost due to farming practices.

THOMAS REBAR, LRS | FIELD LEAD/SECONDARY POC

PROFESSIONAL CREDENTIALS

WV: Licensed Remediation Specialist (LRS), Monitoring Well Driller, Asbestos Inspector

PA: Asbestos Inspector, Underground Storage Tank Remover

OSHA: 29 CFR 1910.120, 40-Hour HAZWOPER

SKILLS

Asbestos Survey

Air Monitoring

Site Assessment and Due Diligence

Remediation Project Management

Brownfields Redevelopment

Recreational Trail Feasibility Studies

UST Closure and Assessment

EDUCATION

Bachelor of Science, 1994, Geology, California University of Pennsylvania, California, PA

PROFESSIONAL PROFILE

Mr. Rebar is an Environmental Senior Project Manager with ECS Mid-Atlantic. He has over 28 years of experience in environmental consulting. Mr. Rebar's experience includes site assessment and remediation of brownfields, petroleum-contaminated and hazardous waste sites. Mr. Rebar has decades of experience with due diligence/ Phase I and II ESAs, underground storage tank (UST) removals and management of site cleanups within multiple regulatory programs of West Virginia and the surrounding states. He holds professional certifications with the West Virginia and Pennsylvania Departments of Environmental Protection and has extensive experience in the West Virginia Voluntary Remediation and Redevelopment Program (VRRP) and the Pennsylvania Land Recycling Program (Act 2).

PROJECT EXPERIENCE

Bethlehem Energy Mine No. 58, Marianna, PA – The subject site is a 36 acre portion of a larger parcel currently owned by the Borough of Marianna and previously operated as the Beth Energy Coal Mine No. 58, from 1908 through 1984. The subject property has been impacted by over 76 years of coal mining operations and is currently a vacant Brownfield with dilapidated industrial buildings, situated at the entry to this rural Washington County community. Mr. Rebar managed the completion of the Phase 1 ESA which revealed multiple recognized environmental conditions (REC) due to the site use associated with coal mining and a railroad yard. Mr. Rebar participated in municipal planning meetings, directed site tours with involved stakeholders and completed outreach to State and County government and non-profit agencies seeking additional funding and support for site redevelopment. As a result of Mr. Rebar's effort and of that of separate grant application and rail and water trail feasibility study projects that Mr. Rebar has participated in, the site is currently included in an EPA Community-Wide Assessment Grant application which is being submitted in November 2023 by the Redevelopment Authority of the County of Washington (RACW) and has been granted redevelopment funding by the PA AMLER and Washington County LSA funds.

Joseph Krowe Commercial Facility, Greensburg, PA – The subject site is a multi-tenant industrial warehouse facility situated within an industrial park. Mr. Rebar completed a Phase I ESA which included a review of a previous Phase II ESA and indicated a potential for vapor intrusion due to a release of PCE during occupation by a previous dry-cleaning tenant. Mr. Rebar provided senior oversight and project management for the completion of a Vapor Intrusion and Indoor Air Quality investigation compliant with the PADEP Land Recycling Program TGM Section IV: Vapor Intrusion. The investigation provided PADEP-compliant documentation that there was no evidence of a vapor intrusion issue at the facility and enabled a commercial real estate transaction to be completed.

JUSTIN HUGHES, PWS, LEED GREEN ASSOCIATE | ENVIRONMENTAL PRINCIPAL

PROFESSIONAL CREDENTIALS

Society of Wetland Scientist: Professional Wetland Scientist (PWS) #3397

LEED Green Associate

National Registry of Environmental Professionals (NREP): Environmental Professional (EP); Environmental Property Assessor

Wetland Training Institute (WTI): Wetland Delineation

Virginia Institute of Marine Science (VIMS): Wetland Delineation

ROSGEN: Stream Restoration I&II

TX: Asbestos Inspector

ASTM: Phase I and II ESAs

OSHA: 29 CFR 1910.120 40-hour HAZWOPER

PROFESSIONAL AFFILIATIONS

Virginia Association of Wetland Professionals

EDUCATION

Master of Environmental Management, 2011, Texas Christian University, Fort Worth, TX

Bachelor of Science, 2008, Environmental Science & Business, University of Texas at Arlington, Arlington, TX

PROFESSIONAL PROFILE

Mr. Hughes is a Natural Resource Department Manager in the Richmond, VA office. He conducts wetland delineations, preliminary stream field determinations; coordinates Jurisdictional Determinations, Nationwide and Joint Permit Applications with the Virginia Department of Environmental Quality (VDEQ) and U.S. Army Corps of Engineers (USACE); and monitors wetland and stream mitigation projects. Mr. Hughes has managed several VDEQ State Lead Voluntary Remediation Program (VRP) projects involving petroleum and hazardous substance/waste impacted properties and is familiar with the process and DEQ project manager expectations. Mr. Hughes is also involved with stormwater pollution prevention projects (SWPPP) and spill prevention, control and countermeasures (SPCC) projects.

PROJECT EXPERIENCE

Suffolk Seaboard Coastline Tr WOTUS, Suffolk, VA– The project involved evaluating the potential environmental concerns for repurposing a 3.5-mile linear corridor into a recreational trail. Mr. Hughes served as the Senior Project Manager for the analysis that included a review of cultural resources, threatened and endangered species and wetland and other environmental resources. Mr. Hughes highlighted the presence of potentially eligible historic resources and the potential habitat for state-listed species.

The Meadows Wetland and Stream Restoration, Prince George, VA – As senior project manager, Mr. Hughes oversaw the environmental consulting services for the sediment impacts and the addressed Department of Environmental Quality (DEQ) Notice of Violation stemming from erosion and sediment management issues affecting wetlands and streams. ECS performed site assessments, including soil core data collection and GPS delineation, formulated a corrective action plan suggesting both active sediment removal for 287-linear feet of stream and 0.13-acre of wetland and natural attenuation for 799-linear feet of stream and 0.05-acre of wetland. ECS conducted quarterly monitoring program to track progress and guide subsequent actions.

Machicomoco State Park, Hayes, VA – ECS prepared an Environmental Impact Report for the development of new Park Ranger Residences at Machicomoco State Park. Mr. Hughes served as the Senior Project Manager. The project involved evaluating the potential environmental impacts associated with the proposed development, which included residences, a BMP, drive, parking and outbuilding.

Caledon State Park, King George, VA – ECS prepared an Environmental Impact Report (EIR) for the proposed development of a new Ranger Residence at Caledon State Park. Mr. Hughes served as the Senior Project Manager. The project involved evaluating potential environmental impacts associated with the construction of the residence, drive and parking area.

JUSTIN LAUGHLIN | SENOR WETLAND SCIENTIST

PROFESSIONAL CREDENTIALS

MDE Erosion and Sediment Control Responsible Personnel Certification

MD SHA Erosion and Sediment Control Yellow Card

Rosgen Stream Classification and Restoration Training, Levels I-IV

NCSU Stream Restoration short courses

SKILLS

Hydrologic and geomorphic assessment and design

Extensive knowledge of River Morphology and Stream Restoration

Natural Resource planning and permitting

Stream and Wetland delineation

Construction Management

EDUCATION

Master of Science, 2003, Wildlife and Fisheries Science, University of Tennessee, Knoxville, TN

Bachelor of Science, 2000, Forestry, Mississippi State University, Starkville, MS

PROFESSIONAL PROFILE

Mr. Laughlin is an environmental professional with over 20 years of experience in a variety of positions, advising and performing land management. His role includes designing, conducting and managing ecosystem restoration projects, including stream and wetland; permit applications, natural resources studies and Phase I ESAs throughout the Subsidiary area for the public and private sectors. Mr. Laughlin performs hydrologic and geomorphic stream assessments and wetland delineations per national and state regulatory guidance and utilizes various natural resource assessment techniques and methodologies. He is also responsible for writing daily reports on construction observations and workmanship completed in the field to provide clients, contractors, engineers, architects and code officials with a clear audit trail for projects.

PROJECT EXPERIENCE

The Meadows Wetland and Stream Restoration, Prince George, VA – Mr. Laughlin managed the addressed DEQ Notice of Violation stemming from erosion and sediment management issues affecting wetlands and streams. Performed construction oversight management on the corrective action to restore 1,075 feel of an unnamed tributary to Baily Creek, activities included log sills, constructed riffles and a cross vane for grade control and bed stabilization in the upstream reach, as well as sediment removal within the downstream reach, documentation of construction progress and provided weekly reports. Routine communication with DEQ for compliance and progress reporting was performed and as-built survey and post-construction monitoring are underway to complete the corrective action compliance.

Beaver Creek Stream Restoration, Sugar Hollow Park, Bristol, VA – Designer, permitter, monitor and project manager for a 600 linear foot stream restoration and wetland creation project located in Sugar Hollow Park, Bristol, VA. Oversaw the installation of stream restoration techniques including: bioengineered bank treatments, rock/log J-hooks, rock/log cross vane, oxbow channel creation, bio-retention cells (rain gardens), streambank grading and reforestation. Coordinated and presented design and construction information to park officials and staff to gain consensus.

Hood Drive Center Wetland Impact Permitting, Fredericksburg, VA – ECS conducted a preliminary jurisdictional determination required for permitting impacts to the WOUS and a Threatened and Endangered Survey for the 18 acre project site that consisted of wooded land and a single family residence. Given the anticipated impacts, Mr. Laughlin provided senior project management for the following required wetland impact permitting, including a State Programmatic General Permit and Joint Permit Application/ Nationwide Permit Pre-Construction Notification.

DANIEL SYNORACKI | WETLAND SCIENTIST

PROFESSIONAL CREDENTIALS

Wildland Hydrology: Applied Fluvial Geomorphology - River Morphology & Applications

Watershed Assessment of River Stability & Sediment Supply – Canaan Valley Institute

Habitat Evaluation Procedures - U.S. Fish and Wildlife Service

WTI: Wetland Delineator Certification

OSHA: 40-Hour HAZWOPER Site Worker Training; Supervisor Training

SKILLS

Stream Restoration Design

Wetland Mitigation Design

Native Plant & Forested Riparian Buffer Planning

Construction Management & Oversight

Environmental Permitting

Aquatic & Terrestrial Ecology

Watershed Assessment

EDUCATION

B.A., Biology and Environmental Planning, 1987, Bloomsburg University, Bloomsburg, PA

PROFESSIONAL PROFILE

Mr. Synoracki serves as an Environmental Senior Project Manager with diversified experience in project management, permitting and environmental consulting for governmental and major industrial, energy, utility, construction and non-profit clientele. Daniel has extensive experience in the design and construction oversight of wetland and stream restoration projects and has also completed natural resource inventories for large watershed assessments and river conservation plans.

PROJECT EXPERIENCE

Little Falls Parkway, Bethesda, Montgomery County, MD – Providing Joint Permit Application (JPA) services for the Little Falls Branch Project Site. 17 acres. The site consists of wooded parkland along the floodplain of Little Falls Branch that is owned by Montgomery County Parks and the Maryland-National Capital Park and Planning Commission. As per the Emergency Cleanup Work Plan developed by ACE Environmental Holdings, LLC, sediment remediation work was completed in three stages along Little Falls Brach through the use of a pressure washer and a high-powered vacuum truck in early November 2022 to meet the Maryland Department of the Environment's (MDE) cleanup requirements. As requested by Greg Hazzard of MDE's Water and Science Administration in a November 15, 2022, email, MDE has required L.F. Jennings to prepare and submit an "after-the-fact" Joint Permit Application for review and approval.

Ashford Woods Dam, Clarksburg, MD – Project Manager that has been aiding with the design and permitting for the removal of the dam. The property is a 139 acre tract with an existing dam. The owner has decided to remove the dam and restore the impoundment to a stream and wetland complex.

Apgar Property, Glen Rock Borough, PA - The site consists of approximately 4.7 acres and currently consists of wooded slopes, an open lawn area, a 2.5 story dwelling, two garage buildings, a shed and a paved driveway. He prepared a Preliminary Waters of the U.S. Determination Report for the site.

Miller Stream Restoration, Spring Garden Township, PA – Mr. Synoracki is currently conducted a wetland and stream delineation, topographic survey and will prepare a stream restoration plan and joint permit application and he will conduct construction monitoring. This unnamed tributary to Codorus Creek that flows through the properties located at 499, 490 and 435 Indian Rock Dam Road. The stream needs restoration and stabilization due to a 109 acres producing significant stormwater runoff.

STACEY MULLENS, PE | PROJECT ENGINEER

PROFESSIONAL CREDENTIALS

Professional Engineer: VA, WV

WACEL: Concrete, Masonry Strength Testing

SKILLS

AutoCAD

Underground mining surveys

Cell Tower Site Plans

Phase I ESAs

EDUCATION

Bachelor of Science, 2007, Mining Engineering Technology, Bluefield State College, Bluefield, WV

Bachelor of Science, 1995, Civil Engineering Technology, Bluefield State College, Bluefield, WV

PROFESSIONAL PROFILE

Ms. Mullens is an Environmental Project Engineer for ECS Mid-Atlantic, LLC. Ms. Mullens holds experience in Phase I and II ESAs, stormwater management, asbestos assessments and other industrial hygiene services. She has project responsibilities that include client contact to identify project requirements and project execution. She has planned, executed and performed asbestos assessments on residential, commercial, municipal and industrial facilities.

PROJECT EXPERIENCE

DCNR Dam Repairs – Eastern PA – Various Projects – Ms. Mullens served as the Environmental Staff Project Manager for the numerous Dam repairs within multiple different projects.

RWSA WA10 Spraying, Stream Repair, Year 9 Monitoring, Charlottesville, VA – Ms. Mullens served as the Environmental Staff Project Manager for the spraying, stream repair and monitoring for the RWSA.

Proposed Cogbill Park Wetland Impact Permitting & WQIA, Chesterfield, VA – Ms. Mullens served as the Environmental Staff Project Manager for the Wetland Impact Permitting.

RWSA WA 13 Stream Repair Construction Services, Charlottesville, VA – Ms. Mullens served as the Environmental Staff Project Manager for the stream repair construction services.

Fair Haven Memorial Garden Wetlands, Martinsville, VA – Ms. Mullens served as the Environmental Staff Project Manager for the Wetlands Survey of Fair Haven Memorial Garden.

Miller Stream Restoration, York, PA – Ms. Mullens served as the Environmental Staff Project Manager assisting with the Stream Restoration for the proposed stream.

Lansing Roanoke – Phase I ESA, Roanoke, VA – Ms. Mullens served as the Environmental Staff Project Manager assisting with the Phase I ESA of the proposed location.

ALLSTAR ECOLOGY
Natural Resource Specialists

AllStar Ecology LLC

Ryan L. Ward, CWB, PWD

- *Senior Project Manager*

Ryan Ward is an owner of AllStar Ecology and has worked throughout the United States on various projects. He has extensive regulatory experience throughout the Mid-Atlantic region, especially in West Virginia and Virginia where he is a Certified Professional Wetland Delineator. Mr. Ward specializes in stream and wetland issues including delineation, compensatory mitigation, permitting, natural stream design, and wetland restoration. As a Project Manager, Mr. Ward has worked on regulatory compliance and approval for over 800 projects in West Virginia and Ohio.

Education

- West Virginia University: M.S. Wildlife and Fisheries Resources (2005)
- Texas Tech University: B.S. Wildlife and Fisheries Management (2003), Minor: Biology

Work Experience

- AllStar Ecology LLC: Senior Environmental Scientist/Owner, 2009-current
- Spring Peeper Farm & Nursery: Owner/Operator, 2007-current
- Mountain State Aquatic Resources, LLC: Environmental Scientist/President, 2007-2009
- Virginia Waters and Wetlands, Inc: Aquatic Ecologist/Project Manager, 2005-2009

Professional Certifications and Memberships

- Virginia Professional Wetland Delineator (#3402000105)
- Certified Wildlife Biologist (The Wildlife Society)
- Commercial Pesticide Applicator: C05592 (WV), 129851(OH), 31179-81828(MD) 906091 (PA), 50361 (KY), 154211 (VA), 26094 (DC)
- West Virginia Contractors License (WV046329) (Excavation, General Engineering)
- VA Contractors License (Class A) #2705171487 Designation: Landscape Services
- Licensed Pesticide Application Business 1303, 104413 (OH), 31179 (MD), BU13289 (PA), 38897 (KY), 15018 (VA), 10543 (DC)

Continuing Education

- West Virginia University Natural Stream Design Short Courses: Introduction to Stream Functions and Processes—Course 1 (2003), Methods for Stream Assessment and Analysis—Course 2 (2003)
- North Carolina State Stream Restoration Program: Level III: Advanced Stream Restoration Design Principles (2008), RC 401 Construction Practices for Stream Restoration (2011)
- Stream Mechanics: Assessing and Restoring Headwater Mountain Streams (2013), Stream Functions Pyramid and SQT Workshop (2020)
- Wildland Hydrology, Inc.: Level I: Applied Fluvial Geomorphology (2015), Level II: River Morphology & Applications (2015), Level III: River Assessment & Monitoring (2015), Level IV: River Restoration & Natural Channel Design (2015)
- Wetland Training Institute, Inc.: Wetland Delineation Course (2009)
- Center for Wetlands and Stream Restoration: Jackson Wetland Construction Workshop (2009), Wetland Restoration Training Course (2013)
- Ecological Training Services: Ohio Rapid Assessment Method v 5.0 (2012)
- Midwest Biodiversity Institute: Ohio Qualitative Habitat Evaluation Index (QHEI) Training Course (2013), Headwater Habitat Evaluation Index (HHEI) Training Course (2013)
- WVDEP, WV Rivers Coalition: Construction Storm Water 101 Workshop (2006)
- Advisory Council on Historic Preservation: The Section 106 Essentials (2014)
- Bickerstaff Consulting: PEC Safeland: Basic Safety Awareness Orientation (2013)

ALLSTAR ECOLOGY
Natural Resource Specialists

AllStar Ecology LLC

Ernest W. Smith, M.S., PWS, CES

-Stream and Wetland Restoration Specialist/ Project Manager

Ernie Smith is a Professional Wetland Scientist with AllStar Ecology leading projects in West Virginia, Virginia, Pennyslvania, Kentucky, and Ohio. Mr. Smith is experienced in stream and wetland delineation, functional assessments, as well as regulatory consulting with state and federal agencies. Mr. Smith is also proficient in stream and wetland design/construction as he leads stream/wetland construction projects. Also, Mr. Smith conducts general bee surveys and other pollinator habitat enhancement services in West Virginia. His focus is on enhancing habitats for both aquatic and terrestiral species while promoting native species.

Education

M.S. (2011): Biology (Plant Physiology), West Virginia University, Morgantown, WV.
B.A. (2007): Biology (emphasis in Ecology), West Virginia University, Morgantown, WV.

Experience

Stream and Wetland Restoration Specialist/Project Manager	2017-Present
Project Manager/Environmental Scientist II – AllStar Ecology, LLC	2013-2017
Environmental Scientist - AllStar Ecology, LLC	2012 -2013
Graduate Teaching Assistant - Department of Biology, West Virginia University	2009-2011
Laboratory Technician - West Virginia University Research Corporation	2008-2009

Professional Development

Society of Wetland Scientists: **Professional Wetland Scientist Certification (*PWS#3007*)**
Resource Institute, Inc: **River Morphology & Applications (Rosgen Training Level I)** 2016
Resource Institute, Inc.: **Applied Fluvial Geomorphology (Rosgen Training Level II)** 2016
Wildland Hydrology, Inc. **River Assessment and Monitoring (Rosgen Training Level III)** 2017
Wildland Hydrology, Inc. **River Restoration and Natural Channel Design (Rosgen Training Level IV)** 2018
WV Scientific Collection Permit for General Bee Surveys **(2018-current)**
United States Fish and Wildlife Service-**Federal Recovery Permit- *Bombus affinis* surveys** (ESPER0042281)
Thomas Biebighauser: **Elkins Wetland Restoration Workshop** (18 hour training course)
360 Trainings: **Certified Environmental Specialist** (12 hour training course)
USFWS: **ESA Section 7 Consultation Training** (Elkins, WV 2016)
The Swamp School: **Wetland Delineation and Regional Supplements** (40 hour training course)
The Swamp School: **Conducting Effective Ecological Risk Assessments** (12 hour training course)
John Mack: **Ohio Rapid Assessment Method (ORAM) v 5.0**
Midwest Biodiversity Institute: **Ohio Qualitative Habitat Evaluation Index (QHEI) Training**
Midwest Biodiversity Institute: **Ohio Headwater Habitat Evaluation Index (HHEI) Training**
American Heart Association: **CPR and First Aid Training**
Bickerstaff Safety Consulting: **PEC Safeland Basic**
360 Trainings: **OSHA 10 Hour Construction Outreach** (10 hour training course)

AllStar Ecology LLC

Gregory L. Short Jr.

Senior Environmental Scientist / Lead Botanist

Greg Short is an owner in AllStar Ecology and has worked throughout the eastern United States conducting vegetation surveys and threatened & endangered species surveys. Mr. Short has conducted floristic inventories in Ohio, Pennsylvania, Virginia, West Virginia, Delaware, and New Jersey. He has been affiliated with various private, state, and federal agencies conducting threatened & endangered species surveys for plants and mammals throughout Pennsylvania and West Virginia. Mr. Short is an experienced wetland delineator and has worked on projects for oil/gas, coal, and residential/commercial development.

Education

A.S. (2005): Natural Resources and Wildlife, Garrett College of Maryland, McHenry, MD

Experience

Senior Environmental Scientist/Botanist - AllStar Ecology, LLC	2009 - current
Ecologist/Botanist - USDA Forest Service Research Station, Dunbar, WV	2009
Environmental Resource Specialist III - Hatch Mott MacDonald, Morgantown	2007 - 2009
Ecologist/Botanist - USDA Forest Service, White Sulphur Springs, WV	2007
Field Botanist/Biological Technician - USDA Forest Service, Morgantown, WV	2006
Ecology Project Assistant - WV Natural Heritage Program WVDNR, Elkins, WV	2005 - 2006
Invasive Species Technician - Camp Dawson, Kingwood, WV	2004
Biological Science Technician - Camp Dawson, Kingwood, WV	2003

Professional Development

Society of Wetland Scientists
USDA Forest Service Northern Research Station, Vegetation Specialist Certification
Richard Chinn's 40 Hour Wetland Delineation Certification
PADI Advanced Scuba Diver Certification
Pennsylvania Wild Plant Management Permit
Recognized botanist to conduct T&E Species by the West Virginia US Fish & Wildlife Office, Virginia US Fish & Wildlife Office, and the Pennsylvania US Fish & Wildlife Office
Ohio Rapid Assessment Method v 5.0 Training Course (Ecological Training Services)
Ohio Qualitative Habitat Evaluation Index (QHEI) and Headwater Habitat Evaluation Index (HHEI) Training Course (Midwest Biodiversity Institute)
American Heart Association CPR and First Aid Training
PEC Safeland Basic (Bickerstaff Safety Consulting)

AllStar Ecology LLC

Nathaniel C. Greene, ASLA PLA

- Designer/Landscape Architect

Nathan Greene, PLA joined the AllStar Ecology team in 2013. Mr. Greene is a Professional Landscape Architect registered in West Virginia, Ohio, and Virginia. Mr. Greene has extensive permitting experience for the Oil and Gas Industry in Ohio, Pennsylvania, and West Virginia. He also has experience delineating streams and wetlands in Maryland, Virginia, and West Virginia. Mr. Greene specializes in stream and wetland issues including mitigation, natural stream design, and wetland restoration. He has designed miles of stream and acres of wetland mitigation/restoration.

Education

B.S. (1994): Landscape Architecture, West Virginia University, Morgantown, WV.

Experience

Landscape Architect - AllStar Ecology, LLC	2013-current
Landscape Architect/Civil Designer – Dieffenbauch & Hritz	2011-2013
Landscape Architect/CAD Technician – Potesta & Associates, Inc	2006-2011
Contractor – Think Greene	2003-2006
Landscape Architect/Division Manager – Rich Farms, Inc	2000-2003
Draftsman – CTL Engineering, Inc	2000
Production Manager – Historyland Nursery, Inc	1996-2000
Landscape Architect – Frederick Ward Associates, Inc	1994-1996

Professional Development

West Virginia Professional Landscape Architect (#280)
Ohio Professional Landscape Architect (#LA.2001525)
Virginia Professional Landscape Architect (#0406002109)
American Society of Landscape Architects
Wildland Hydrology, Inc.
- -Level I: Applied Fluvial Geomorphology
- -Level II: River Morphology and Applications
- -Level III: River Assessment and Monitoring
- -Level IV: River Restoration and Natural Channel Design

PADEP ESCGP2 Training
GeoFluv™ Level 1 Training
Biebighauser Wetland Restoration Workshop
Riparia Reference Wetlands Database Workshop
Riverbend Nursery LiveRoof® Architectural Workshop
West Virginia Rural Water Association Collection System Evaluation Workshop
PEC Safeland Basic (Bickerstaff Safety Consulting)

ALLSTAR ECOLOGY
Natural Resource Specialists

AllStar Ecology LLC

Aaron Nemeyer

Benthic Macroinvertebrate Specialist/Senior Environmental Scientist

Aaron Nemeyer is a Senior Environmental Scientist/Field Biologist for AllStar Ecology LLC and has worked in West Virginia (WV), Pennsylvania (PA), Virginia (VA), Ohio (OH), Tennessee (TN), and Kentucky (KY) with an emphasis in botanical surveys, reptile/amphibian surveys, wetland delineation, stream/wetland monitoring, and species-specific habitat assessments. Mr. Nemeyer joined the AllStar team in 2011 and has extensive experience surveying for rare, threatened, and endangered plant species on state, federal, and private lands. Mr. Nemeyer has found and submitted numerous new occurrences of federally listed plant species, notably small whorled pogonia and running buffalo clover (now delisted). In addition, Mr. Nemeyer leads the macroinvertebrate laboratory at AllStar Ecology LLC. During his time at AllStar Ecology LLC, Mr. Nemeyer has performed stream and wetland delineations on thousands of acres. Mr. Nemeyer has experience conducting rattlesnake surveys on state and federal lands in WV and VA. Mr. Nemeyer has also worked extensively on oil and gas projects including delineation, permitting, GIS mapping, and agency correspondence. As a volunteer, Mr. Nemeyer has helped lead field laboratories with an emphasis on botany at Maderas Rainforest Conservancy property (Estación Biológica La Suerte, Costa Rica) as part of class trips for Garrett College.

Education

B.S. (2010): Wildlife and Fisheries Resources (Minors: Conservation Ecology, Spanish), West Virginia University, Morgantown, WV.

Experience

Senior Environmental Scientist/Field Biologist - AllStar Ecology LLC	2011-Present
Research Assistant - West Virginia University/Environmental Research Center	2010-2011
Research Technician - West Virginia University/Environmental Research Center	2009-2011

Volunteer Experience

Volunteer Instructor at Garrett College – Delineation Workshop; Field Labs: Maderas Rainforest Conservancy	2022-2024
WV DNR - Harperella Survey	2016 / 2023
WV DNR - Northeastern bulrush survey/monitoring	2019
Frank Jernejcic (WV DNR-Retired) - Timber rattlesnake surveys	2016-2017
Friends of Deckers Creek - Fish surveys (electrofihsing)	2015-2017

Professional Development

Ohio Level 3 QDC – Benthic Macroinvertebrate Assessment – Collection and Data Evaluation Only (QDC #01691; 2024-2026)
Ohio Level 3 Bioassessment: Macroinvertebrates training course (Midwest Biodiversity Institute [MBI]) (2022)
USFWS Qualified Harperella (VA, WV), Northeastern Bulrush (PA, VA, WV), Running Buffalo Clover (WV, OH-now delisted), Shale Barren Rock Cress (VA, WV) Small Whorled Pogonia (PA, VA, WV), & Virginia Spiraea (VA, WV)
Trained Botanist/Ecologist in the National Wetland Conditions Assessment Protocol (2021)
Society of Freshwater Science: Family Level Taxonomic Certification for Macroinvertebrates (2021)
Scientific Collection Permits: WV, PA, OH
MBSS Benthic Macroinvertebrate Sampling Certification (2021-2024)
Amphibian Index of Biotic Integrity (AmphIBI) and Amphibian ID course (MBI) (2016)
Vegetation Index of Biotic Integrity (VIBI) training course (MBI) (2016)
USGS Native Bee Inventory and Monitoring Lab - *Bombus* Collection and Identification training (24hrs) (Sam Droege)
West Virginia Wetland Rapid Assessment Method training session (WV DEP) (2019)
Aquatic Plants of Pennsylvania (Timothy A. Block, PhD) (2017)
Ohio Rapid Assessment Method v5.0 training course (MBI)
Ohio Qualitative Habitat Evaluation Index (QHEI) and Headwater Habitat Evaluation Index (HHEI) training course (MBI)
The Swamp School: Wetland Delineation and Regional Supplements (40hrs)
PEC Safeland Basic (Bickerstaff Safety Consulting)
ODOT Office of Environmental Services Ecological Training Course

AllStar Ecology LLC

Eli Ben Shleser

Malacologist/Senior Environmental Scientist

Eli Shleser is a Senior Environmental Scientist at AllStar Ecology LLC (AllStar). He has been with AllStar since 2014 during which time he has ten field survey seasons of experience performing freshwater mussel surveys throughout West Virginia, Ohio, Pennsylvania, Kentucky, and Alabama (2015-2024). He has been the mussel program lead at AllStar since 2019 designing surveys, coordinating with agencies, designing and leading field surveys, and reporting for projects including pipelines, DOH bridge and road repairs, bank stabilizations, utilities and municipalities. Eli has assisted with or led nearly 100 projects. Eli serves as AllStar's Dive Safety Officer for all SCUBA related activities. He is PADI Master Diver certified and has experience diving in low visibility, large rivers and waterbodies utilizing dry suit and full-face dive mask with communication units. Eli is a first responder with 20 seasons as a member and instructor of the National Ski Patrol's Outdoor Emergency Care system. His experience as a professional whitewater rafting guide additionally provides insight into working in and around water with safety as a primary factor.

Education

B.S. Biology, Concord University, Athens, WV (2009)

Experience

Senior Environmental Scientist/Malacologist - AllStar Ecology LLC (2014 – current)
Laboratory Technician: Laboratory of Molecular Physiology, Marshall University (2009 – 2013)
Outdoor Emergency Care Technician/Instructor (OEC) (Since 2003)
Commercial Whitewater Guide Certified, Upper/Lower New River, WV DNR (2009)
Bridge Day River Rescue, Dragan Diversified Incorporated (DDI) (Since 2014)
Rope Rescue Technician (NFPA 1006), (2023)

Professional Development

Approved Freshwater Mussel Surveyor – West Virginia (All Streams), Ohio (Groups 1 & 3) & Kentucky
Freshwater Mussels of West Virginia: Life History and Identification (2016, 2019, 2020)
Ohio Freshwater Mussel Identification Workshop (2015, 2022)
Natural History Museum Collection Visits:
- Carnegie Natural History Museum, Pittsburgh (2020)
- West Virginia Mussel Collection, Elkins (2020)

PADI Master Diver – Specialties: Scientific River Diving Safety, Dry Suit Diver, Nitrox Diver, Night Diver, Underwater Navigator, Multilevel Diver, Peak Performance Buoyancy, Primary/Secondary Care CPR/First Aid/AED
Rope Rescue Technician (WVPST-2023)
Mountaineer Area Rescue Group SAR Member
The Swamp School: Wetland Delineation and Regional Supplements (2015)
Ohio Rapid Assessment Method v 5.0 Training Course (2015)
Ohio Qualitative Habitat Evaluation Index (QHEI) and
Headwater Habitat Evaluation Index (HHEI) Training Course (2015)
West Virginia Environmental Training Center: Construction Storm Water Training (2016)
American Heart Association CPR and First Aid Training for the Rescuer (Since 2003)
PEC/Veriforce SafeLand Basic Orientation Instructor (2020)
OSHA 10-hour Construction Safety and Health (2014)
Permit & Non-Permit Confined Space Entry Training (2017)

ALLSTAR ECOLOGY
Natural Resource Specialists

AllStar Ecology LLC

Eric Schroder

- ***Bat Project Manager/Senior Environmental Scientist***

Eric Schroder is the Bat Project Manager & Senior Environmental Scientist with AllStar Ecology LLC. He has conducted endangered and threatened species surveys on reptile and mammalian species in California, West Virginia, Ohio, Tennessee, Kentucky, Alabama, Iowa, and Illinois. He has been affiliated with various private and federal agencies in conducting small mammal, avian, and tree community surveys, as well as wildlife behavior studies. Mr. Schroder specializes in endangered/threatened bat presence/absence surveys, spring emergence and fall portal surveys, bat acoustic qualitative identification, technical & scientific report writing, and ArcPro mapping & analysis.

Education

M.S. (2012): Biology, Western Illinois University, Macomb, IL.

B.S. (2010): Biology (emphasis in Wildlife Ecology), Iowa State University, Ames, IA.

Experience

Bat Project Manager/Senior Environmental Scientist – AllStar Ecology	2024 - present
Lead Bat Biologist/Environmental Scientist III – AllStar Ecology	2018 - 2023
Environmental Scientist II/Bat Biologist - AllStar Ecology	2013 - 2017
Wildlife Biologist- Trutech Inc.	2012 - 2013
Field Technician- Western Ecosystems Technologies, Inc.	2012
Biological Technician- Apogee Environmental and Archaeological, Inc.	2012
Graduate Assistant-Western Illinois University	2012
Research Assistant- Western Illinois University	2011 - 2012
Field Technician-San Diego State University	2010
Field Technician-Iowa State University	2009

Professional Development

AHA CPR and First Aid Training (American Red Cross)
Georgia Scientific Collecting Permit (2024)
Eastern Bat Survey Techniques Workshop (Bat Conservation and Management Inc.)
Comprehensive Acoustic Course (Chris Corben and Kim Livengood)
Treasurer-Northeast Bat Working Group (2023-presnt)
National Cave Gating Workshop (2022)
West Virginia Scientific Collecting Permit for Bat Surveys (2015-present)
Federal Recovery Permit for conducting presence/absence surveys for northern long-eared, gray bat, Virginia big-eared, and Indiana bats (Permit #: ES85228B)
Qualified Bat Surveyor in Pennsylvania
Approved Bat Surveyor in Virginia

ALLSTAR ECOLOGY
Natural Resource Specialists

AllStar Ecology LLC

Ron Collins

- Archaeologist, Field Director

Ron Collins is the Field Director for AllStar Ecology and has worked in the Mid-Atlantic Region as a Field Archaeologist for thirty years. He has directed field crews on survey projects including FERC and USACE regulated pipelines, electric power transmission lines, US highways, waterlines, sewer lines and surface mines. He has been involved in the mitigation of sites ranging from the Paleo Indigenous to Late Woodland Indigenous through Historic periods. Ron specializes in archaeological survey, geoarchaeology, GPS, and ArcMap.

Education

B.A. (1994): Anthropology, Kent State University, Kent, Ohio

Experience

Archaeologist, Field Director – AllStar Ecology, LLC.	2014 – current
Senior Field Technician – GAI Consultants Inc., Homestead PA	2011 - 2014
Archaeologist, Field Director – Paragon Archaeology, LLC. Fairmont, WV	2004 - 2012
Field Technician – Rummel, Klepper and Kahl, Baltimore, MD	2009
Crew Chief – Environment and Archaeology, Florence, KY	2008
Crew Chief, – ASC Group Inc., Columbus, OH	2007
Crew Chief, – A.D. Marble, Conshohocken, PA	2005 - 2007
Field Technician, Crew Chief – John Milner Associates, Alexandria, VA	2002 -2004

Professional Development

RPA, Advanced Metal Detecting for the Archaeologist	2023
Occupational ATV Safety Academy, Work Related ATV Driver Safety Training	2022
Occupational UTV Safety Academy, Work Related UTV Driver Safety Training	2022
OSHA Training Institute, OSHA 10-Hour Construction Safety	2021
American Safety and Health Institute, Basic First Aid	2021
American Safety and Health Institute, Basic Life Support	2021

COPIES OF CERTIFICATIONS

Society of Wetland Scientists
Professional Certification Program, Inc

grants the designation

Professional Wetland Scientist

For

Justin M. Hughes

In recognition of all the professional requirements approved by the Society of Wetland Scientists Certification Program, Inc. and verified by the Society's Certification Review Panel on 6/14/2021.
Professional Wetland Scientist number 3397. Due to recertify by 6/14/2026.

Rob McInnes, PWS
President

Robert D. Shannon, Ph.D., PWS
Review Panel Chair

SER SOCIETY FOR ECOLOGICAL RESTORATION

CERP CERTIFIED ECOLOGICAL RESTORATION PRACTITIONER PROGRAM
BY THE SOCIETY FOR ECOLOGICAL RESTORATION

The Society for Ecological Restoration hereby recognizes

Vince Humenay

as a

Certified Ecological Restoration Practitioner

CERP # 0757

Expires December 31, 2028

Karen Tekverk
Certification Program Manager

dep

west virginia department of environmental protection

Division of Land Restoration
601 57th Street SE
Charleston, WV 25304

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

April 29, 2022

Thomas M. Rebar
Downstream Strategies, LLC
911 Greenbag Road
Morgantown, WV 26508

Renewal - Licensed Remediation Specialist Certification

Dear Mr. Rebar:

Congratulations! We are pleased to inform you that you have filed your renewal application in accordance with appropriate time frames along with evidence of continuing education in the environmental remediation field. You have completed in a timely manner all of the license renewal requirements.

Please find your Licensed Remediation Specialist Renewed License Certificate enclosed and you may continue to practice as a licensed remediation specialist.

Sincerely,

Robert Rice
Director

Enclosure: LRS License Renewal Certificate
ec: LRS file: Registration Number 109

Your **ACTIVE PE** renewal fee has been received...

Your ACTIVE PE renewal fee has been received. Your pocket card indicating you are entitled to practice engineering in West Virginia until the noted expiration date may be detached and used unless invalidated as a result of Board audit of your renewal form or formal disciplinary action.

IMPORTANT REMINDERS:

1. Please include your WV ACTIVE PE license number on any correspondence to this office.
2. To use this license as a pocket card, please cut along the dotted line and laminate if desired.
3. You are required to immediately notify the Board, in writing, of the following: loss or theft of license or seal, any name change, any address change, or any employment change.

West Virginia State Board of Registration for Professional Engineers

300 Capitol Street, Suite 910
Charleston, West Virginia 25301
304-558-3554 Phone
800-324-6170 Toll Free
www.wvpebd.gov

THIS IS ONE FORM OF YOUR RENEWAL RECEIPT

PLEASE SAVE THIS FOR YOUR RECORDS

Date of Renewal: December 30, 2024
Amount Paid: $63.00

West Virginia State Board of Registration for Professional Engineers

STACEY B. MULLENS
WV PE #015423

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2026

Society of Wetland Scientists
Professional Certification Program, Inc

renews the designation

Professional Wetland Scientist

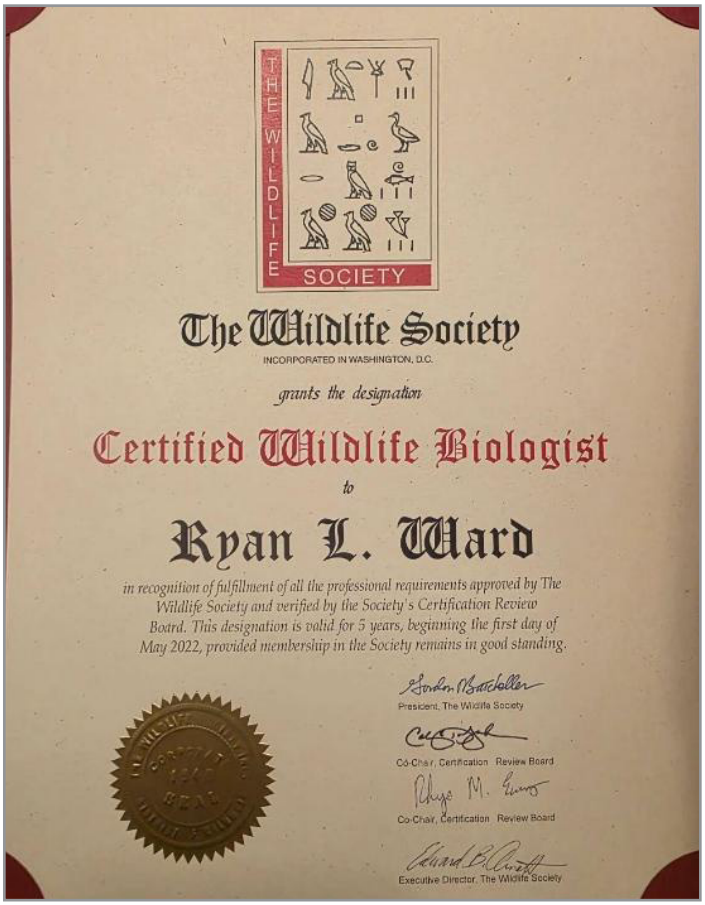
For

Ernest Weimer Smith

In recognition of all the professional requirements approved by the Society of Wetland Scientists Certification Renewal Program, and verified by the Society's Certification Renewal Review Panel.
Professional Wetland Scientist Number 3007 issued on 10/22/2018 and recertified on 7/24/2024.
Due to recertify again by 10/22/2028.

Nancy Lyn, SPWS
President

Pat Frost, PWS
Certification Renewal Chair



THE WILDLIFE SOCIETY

The Wildlife Society

INCORPORATED IN WASHINGTON, D.C.

grants the designation

Certified Wildlife Biologist

to

Ryan L. Ward

in recognition of fulfillment of all the professional requirements approved by The Wildlife Society and verified by the Society's Certification Review Board. This designation is valid for 5 years, beginning the first day of May 2022, provided membership in the Society remains in good standing.

President, The Wildlife Society

Co-Chair, Certification Review Board

Co-Chair, Certification Review Board

Executive Director, The Wildlife Society

WEST VIRGINIA
STATE BOARD OF
LANDSCAPE ARCHITECTS

This is to certify that

having given satisfactory evidence of good moral character and being possessed of the necessary skill, training and experience is hereby granted the right and privilege to practice and use the title of

Nathaniel C. Greene

LANDSCAPE ARCHITECT

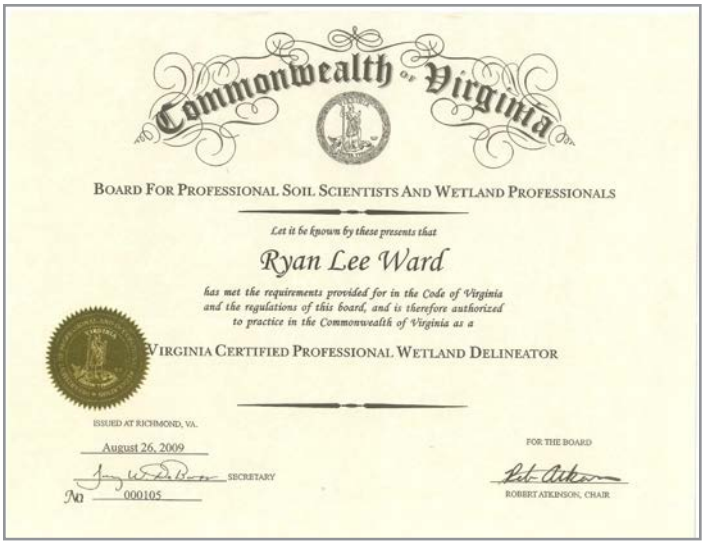
in the state of West Virginia

Number 280

In witness whereof we set our hand and seal
This 30th day of July 2002.

Chairman

Secretary



Commonwealth of Virginia

BOARD FOR PROFESSIONAL SOIL SCIENTISTS AND WETLAND PROFESSIONALS

Let it be known by these presents that

Ryan Lee Ward

has met the requirements provided for in the Code of Virginia and the regulations of this board, and is therefore authorized to practice in the Commonwealth of Virginia as a

VIRGINIA CERTIFIED PROFESSIONAL WETLAND DELINEATOR

ISSUED AT RICHMOND, VA.

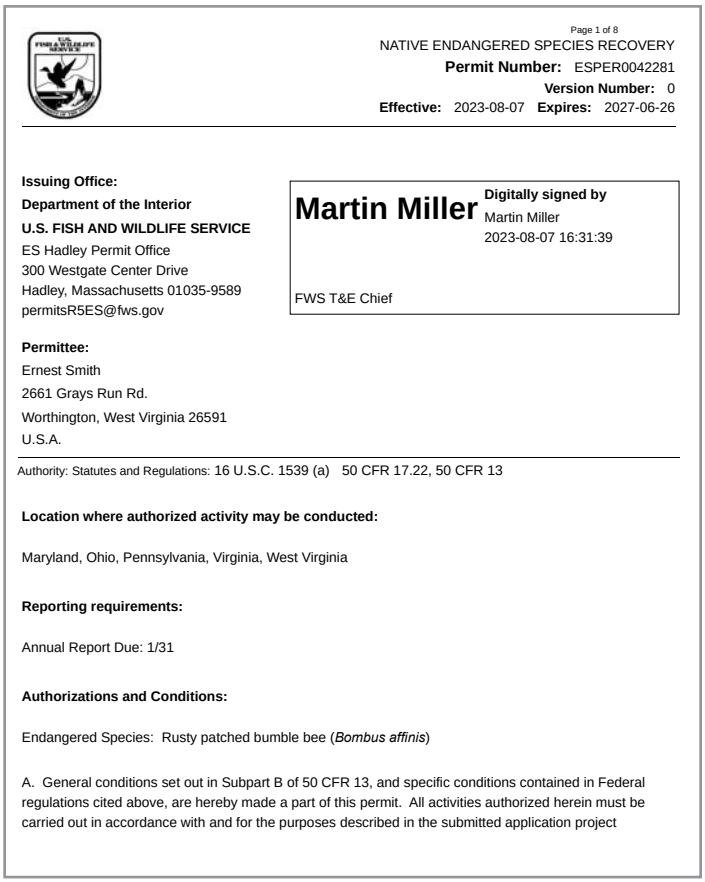
August 26, 2009

SECRETARY

No 000105

FOR THE BOARD

ROBERT ATKINSON, CHAIR



Page 1 of 8

NATIVE ENDANGERED SPECIES RECOVERY

Permit Number: ESPER0042281

Version Number: 0

Effective: 2023-08-07 **Expires:** 2027-06-26

Issuing Office:

Department of the Interior

U.S. FISH AND WILDLIFE SERVICE

ES Hadley Permit Office
300 Westgate Center Drive
Hadley, Massachusetts 01035-9589
permitsR5ES@fws.gov

Martin Miller **Digitally signed by** Martin Miller 2023-08-07 16:31:39

FWS T&E Chief

Permittee:

Ernest Smith
2661 Grays Run Rd.
Worthington, West Virginia 26591
U.S.A.

Authority: Statutes and Regulations: 16 U.S.C. 1539 (a) 50 CFR 17.22, 50 CFR 13

Location where authorized activity may be conducted:

Maryland, Ohio, Pennsylvania, Virginia, West Virginia

Reporting requirements:

Annual Report Due: 1/31

Authorizations and Conditions:

Endangered Species: Rusty patched bumble bee (*Bombus affinis*)

A. General conditions set out in Subpart B of 50 CFR 13, and specific conditions contained in Federal regulations cited above, are hereby made a part of this permit. All activities authorized herein must be carried out in accordance with and for the purposes described in the submitted application project

EXPERIENCE AND PAST PERFORMANCE

PROJECTS AND REFERENCES – ECS

HONEY RUN STREAM RESTORATION AND WETLAND CREATION PROJECT

YORK COUNTY, PA

For unavoidable impacts to streams and wetlands associated with the construction of a large fulfillment center warehouse for a major e-commerce business, ECS' Senior Project Manager (while working for a previous employer), designed compensatory stream and wetland mitigation areas and provided construction and landscaping oversight services for the project.

Honey Run is a tributary to Little Conewago Creek in the Susquehanna River basin. Through the development of the warehouse project, compensation for unavoidable impacts to unnamed tributaries to Honey Run and wetlands required the restoration of approximately 1,200 feet of Honey Run and the creation of 0.30 acres of palustrine emergent (PEM) wetlands on the subject property.

To provide compensatory mitigation, a new channel with a wider bankfull width, increased sinuosity, floodplain benches and the creation of two emergent wetland cells adjacent to the stream was designed. Through the draining and filling of a former inline golf course pond and the removal of a 175-foot-long culvert, the new channel improved wildlife habitat and reconnected the channel to its floodplain. Native tree and shrub species and live stakes were planted along the stream's floodplain to establish a forested riparian buffer. The mitigation area included the incorporation of a meandering channel, an improved riffle and pool complex and sill logs for grade control. Emergent wetlands were designed to incorporate shallow ground water and surface water as sources of hydrology to sustain herbaceous hydrophytic vegetation. The mitigation project was constructed in spring 2022 and has since been successfully vegetated with a lush cover of terrestrial and hydrophytic vegetation.

Services provided by the current ECS professional included project design and planting specifications, Erosion and Sedimentation Control Plan preparation and construction oversight during construction. Subsequently, ECS is providing mitigation monitoring and reporting for the project for a period of five years.

Reference: Max Breitmayer | 267.421.3442 | mbreitmayer@northpointkc.com
Scope of Work: Project Design, Planting Specifications, Erosion and Sediment Control Plan, Construction Oversight, Migitation Monitoring and Reporting
Contract Amount: $508,000

RIVANNA WATER & SEWER ON-CALL CONTRACT

CHARLOTTESVILLE, VA

ECS serves as the trusted environmental consultant for the Rivanna Water & Sewer Authority through a multi-year on-call contract, delivering a comprehensive suite of services that directly align with the Greensville County Water and Sewer Authority's priorities and requirements.

ECS provided annual compliance monitoring for wetland mitigation sites, including detailed hydrologic and water quality evaluations, demonstrating a strong understanding of monitoring plans and regulatory requirements. The team managed all aspects of permit compliance, coordinating closely with both the DEQ and the US Army Corps of Engineers (Army Corps). This work required in-depth knowledge of VPDES permits, effluent limitations and adaptive management strategies to address evolving site conditions and regulatory expectations. ECS also provided RWSA with industrial hygiene and safety consulting services for their various facilities throughout Albemarle County.

ECS' technical staff brought advanced qualifications in hydrogeology, environmental science and regulatory compliance, which supported high-quality data collection, analysis and reporting.

ECS' experience with the Rivanna Water & Sewer Authority highlights the firm's capacity to manage complex, multi-faceted environmental contracts for public utilities, deliver timely and responsive service and maintain strong working relationships with regulatory agencies. The project also underscores ECS' familiarity with DEQ procedures, successful delivery of similar services for local government clients and ability to adapt to changing project needs.

Project Highlights

- **Monitoring Plans:** Provided annual compliance monitoring for wetland mitigation sites, including hydrologic and water quality evaluations.
- **Permits:** Managed permit compliance and coordinated with DEQ and Army Corps to meet VPDES and other requirements.
- **Qualifications:** Supplied a team with advanced expertise in hydrogeology, environmental science and regulatory compliance.
- **Client Experience:** Supported a regional water and sewer authority under a multi-year on-call contract.
- **Local Government:** Delivered services for a public utility serving local government needs.
- **Capacity:** Managed complex contracts and delivered timely, responsive service.
- **DEQ Familiarity:** Maintained strong relationships with DEQ and navigated regulatory procedures.

Reference: Bethany Houchens | 434.977.2970 | bhouchens@rivanna.org
Scope of Work: Annual Compliance Monitoring
Contract Amount: $1M+

KNUTSEN FARM WETLAND MITIGATION PLAN

RISING SUN, MD

The Knutsen Farm/Pond Valley Farm project involved the construction of 411 single-family homes on a 207.72-acre site in Rising Sun, Cecil County, Maryland. This development necessitated wetland mitigation due to its impact on palustrine emergent and palustrine forested wetlands. ECS Mid-Atlantic, LLC (ECS) provided natural resource services for this endeavor, which encompassed both Phase I and Phase II Wetland Mitigation Plan preparation. The site was located north of Joseph Biggs Memorial Highway (MD Route 274) and east of Pierce Road, identified on Tax Map 10 as Parcels 744 and 807 and on Tax Map 11 as Parcel 14.

Phase I Wetland Mitigation Plan Services represented the initial step in developing a viable on-site wetland mitigation area. ECS prepared a conceptual plan for submission to the Maryland Department of the Environment (MDE) and the U.S. Army Corps of Engineers (USACE). This plan included a Plan View Sheet illustrating the layout and approximate elevations of planned emergent wetlands, a Details Sheet outlining proposed wetland vegetation species, wetland and slope seed mixes and general erosion and sediment control practices. It also provided written descriptions of wetland loss, mitigation project locations, site selection justifications, protection mechanisms and how the plan aligned with MDE prioritization documents and watershed registries. ECS coordinated with regulatory agencies to discuss the conceptual plan and incorporated agreed-upon revisions.

Phase II Wetland Mitigation Plan Services focused on the detailed design to meet compensatory mitigation requirements. ECS developed a Phase II Wetland Mitigation Design Plan for the creation of approximately 0.64 acres of wetland habitat. This work included Soil Substrate Suitability Characterization Services, where ECS evaluated test pits and documented soil characteristics on the proposed wetland mitigation site. Approximately ten test pits were excavated within upland areas to characterize soil and groundwater conditions, including soil profile characteristics, horizon textures, colors, drainage class and groundwater depths. Test pits were dug to a depth of 5 feet and a width of 5 to 6 feet by a backhoe, then backfilled.

ECS coordinated with MDE and USACE to present and discuss the Phase II Wetland Mitigation Plan and supporting information, making plan revisions as mutually agreed. Utilizing a topographic survey by Morris & Ritchie Associates, Inc. (MRA), ECS prepared a Phase II Wetland Mitigation Design Plan and a supporting Erosion and Sedimentation Control Plan for submission. This plan addressed the creation of 0.64 acres of palustrine forested (PFO) and palustrine emergent (PEM) wetlands, specifically 0.56 acres of PFO wetlands at a 2:1 replacement ratio and 0.08 acres of PEM wetlands. The plan provided specifications for grading wetland creation areas to appropriate elevations and included a planting plan with wetland vegetation species. The plans adhered to the USACE's Final Compensatory Mitigation Rule (2008) and MDE's Maryland Nontidal Wetland Mitigation Guidance (2011).

Project Highlights

- **Development Scope:** Construction of 411 single-family homes on a 207.72-acre site
- **Phase I Deliverables:** Conceptual Wetland Mitigation Plan, Plan View Sheet, Details Sheet, written descriptions site justifications
- **Phase II Deliverables:** Detailed Wetland Mitigation Design Plan, Soil Substrate Suitability Characterization, Grading and Planting Plans, Erosion and Sedimentation Control Plan Wetland Mitigation Report
- **Wetland Creation Goal:** 0.64 acres of wetland habitat (0.56 acres PFO, 0.08 acres PEM)
- **Regulatory Compliance:** Adherence to USACE's Final Compensatory Mitigation Rule (2008) and MDE's Maryland Nontidal Wetland Mitigation Guidance (2011)

Reference: Joseph Fortino | 717.920.8930 | fortinoj@triplecrowncorp.com
Scope of Work: Phase I and II Wetlands Mitigation Plan, Erosion and Sedimentation Control Plan
Contract Amount: $56,665

THE MEADOWS STREAM RESTORATION

PRINCE GEORGE, VA

ECS assisted LGI Homes in restoring a stream reach that experienced a major dispositional event into an onsite stream at this single-family residential home community construction project. The BMP failure was the result of a large storm event and deposited sediment into a nearby wetland complex and down-gradient into an approximate 1,100 linear foot reach of intermittent stream/floodplain wetland complex.

ECS mobilized to the site to measure the extent and breadth of erosion and sedimentation impact and established cross sections in nearby reaches for comparison to naturally occurring conditions in this highly erodible and topographically steep area. The findings of the impact analysis were presented to the DEQ and a restoration plan to address the erosion and sediment impact was also recently submitted to the DEQ for their review. The plan included existing conditions, proposed conditions, stabilization details, cross sections and erosion and sediment control plans.

ECS conducted a geomorphic assessment of the reach and concluded that minor grading and the installation of several grade control structures would help limit additional erosion in this area of high topographic relief and erodible soils.

ECS provided construction oversight management on the corrective action to restore 1,075 feel of an unnamed tributary to Baily Creek. Restoration activities included log sills, constructed riffles and a cross vane for grade control and bed stabilization in the upstream reach, as well as sediment removal within the downstream reach. Proposed sediment removal in the down-stream floodplain area where there is a majority accumulated will be utilized as backfill at the areas with proposed grade control structures. Additionally, downed timber in the area will be utilized for a majority of the grade control structures in order to limit the amount of imported materials for the project. This cost effective and pragmatic approach is favored by the client and should restore the area and limit future major erosion/sedimentation events.

The project team documented construction progress and provided weekly reports, including photo logs of the site transformation. Routine communication with DEQ for compliance and progress reporting was performed. As-built survey and post-construction monitoring are underway to complete the corrective action compliance.

Reference: Mike Dropnik | 301.256.5970 | mike.dropnik@lgihomes.com
Scope of Work: Erosion and Sediment Impact Report, Geomorphic Assessment, Grade Control Structure Design
Contract Amount: $135,000

EXPERIENCE AND PAST PERFORMANCE

PROJECTS AND REFERENCES - ALLSTAR ECOLOGY (ASE)

PLEASANT CREEK WETLAND RESTORATION AND HABITAT ENHANCEMENT PROJECT
BARBOUR COUNTY, WV

This design-build project was the second wetland complex built in this Wildlife Management area for WVDNR. The project involved excavating and grading approximately 1000 feet of groundwater dams with low profile wetland slopes and 350 feet of beaver dam analogs to create over one acre of wetland in three cells for waterfowl habitat enhancement. ASE also completed a Phase I archaeological survey that was funded by Ducks Unlimited to facilitate USACE permitting for the project.

Reference: Mike Peters | 304-376-3688 | Michael.L.Peters@wv.gov
Scope of Work: Prime Contractor, Design-Build
Contract Amount: $15,995

PLEASANT CREEK WETLAND PROJECT
TAYLOR COUNTY, WV

This design-build project involved construction of four acres of wetland for waterfowl habitat enhancement. Two water control structures (agri-drains) were installed to allow water level manipulation. Habitat structures were also installed in the wetland.

Reference: Mike Peters | 304-376-3688 | Michael.L.Peters@wv.gov
Scope of Work: Subcontractor by WVU Environmental Research Center, Design and construction oversight, vegetation monitoring
Contract Amount: $11,700

BEAVER CREEK FISHERY ENHANCEMENT PROJECT
TUCKER COUNTY, WV

This fishery enhancement stream restoration project was completed in cooperation with Canaan Valley Institute and WVDEP AML PILOT Program. The project involved approximately 520 feet of stream restoration at three separate sites. ASE was responsible for removing a failed flood control concrete dam and installed bankfull benches stabilized with rootwad/toewood structures to increase fish habitat where the dam removal occurred. Additionally, ASE installed rootwad/toewood structures, coarse woody debris and log j-hooks at other sites to increase fish habitat in Beaver Creek.

Reference: Josh Saville | 304-678-3523 | jsaville@downstreamstrategies.com
Scope of Work: Prime Contractor, Construction
Contract Amount: $47,933

BEAR KNOB OFFSITE MITIGATION PROJECT
BUCKHANNON, WV

This design-build project involved restoration and enhancement of 11,532 feet of stream and over 3 acres of wetland. Construction for this project began in April of 2020 and was completed in December of 2020. ASE also performed all invasive species management treating over 27 acres of mature autumn olive infestation and restoration of riparian and upland buffered through the planting of tree seedlings and enhancement of existing wooded areas.

Reference: John Angiulli | 304-406-4343 | jangiulli@anteroresources.com
Scope of Work: Owner, Prime Contractor, Design-Build and monitoring
Contract Amount: $3,238,872 (design, construction and monitoring)

HACKERS CREEK MITIGATION BANK
HODGESVILLE, WV

This design-build project involved restoration and enhancement of 17,918 feet of stream and six acres of wetland. Construction for this project was completed in early 2019. ASE also performed all invasive species management and over 10,000 tree plantings for the project. This project just completed its third monitoring season.

Reference: Ryan Ward | 304-692-7477 | ryan@allstarecology.com
Scope of Work: Owner, Prime Contractor, Design-Build and monitoring
Contract Amount: approximately $1,000,000 (Construction only)

MEADOW BLUFF IN-LIEU FEE PROJECT
GREENBRIER COUNTY, WEST VIRGINIA

This design-build project consisted of approximately 4,400 linear feet of stream restoration using a novel approach with brush stabilized riffles. AllStar Ecology completed all portions of the project including land acquisition, permitting, design, construction, planting and monitoring. The project also included 20 acres of wetland enhancement and 17 acres of high quality pin oak swamp that has been enhanced and preserved for wildlife habitat. The project has been sold to WVDNR and will be incorporated into an existing Wildlife Management Area that will be open to the public for recreation.

Reference: Kristy Rodrigue | 704-277-3383 | Kristy.L.Rodrigue@wv.gov
Scope of Work: Prime Contractor, Design-Build
Contract Amount: $1,753,964

UNT TETER CREEK IN-LIEU FEE PROJECT
BARBOUR COUNTY, WEST VIRGINIA

This project consisted of ~12,000 LF of stream restoration and 5 acres of wetland with ASE performing construction oversight with designs provided from another consultant. Ernest Smith was responsible for bidding all construction and planting. Ernest Smith performed all construction oversight. Ernest Smith also was responsible for all associated As-built reporting and performing annual monitoring.

Ernest Smith performed construction oversight for Appalachian Stream Restoration as the construction contractor. Ernest Smith helped ensure that construction was completed in approximately two months with multiple construction crews working simultaneously. The project was completed earlier than anticipated (July 2024 instead of August 2024). The original project budget was not increased from the original maximum proposed price.

However, the construction contingency was utilized when an un-marked gas line was discovered during construction. The gas line was relocated to avoid the project and did not result in a significant delay to project construction. Ernest Smith worked with the contractor, landowner, gas company and WVDEP to resolve the issue quickly. Additionally, an issue was discovered with the original conservation easement after construction. Ernest Smith worked with the landowner and WVDEP to facilitate project success and avoid potential litigation. Despite these significant problems, the project was constructed on time and utilized only 80% of the construction contingency ($80,000) and the overall project was still under the original proposed budget ($2,032,340 vs $2,115,741).

Reference: Kristy Rodrigue | 704-277-3383 | Kristy.L.Rodrigue@wv.gov
Scope of Work: Prime Contractor, Construction Management
Contract Amount: $2,115,741

BAKER SWAMP OHIO MITIGATION PROJECT
JACKSON COUNTY, OH

This design-build project was the first project ASE worked with TNC in Ohio. The project consisted of approximately 4,000 feet of stream restoration and approximately five acres of wetland re-establishment. The project created a high-quality wetland complex from a relic agricultural field.

Reference: Amelia Harris | 423-303-9079 | amelia.harris@TNC.ORG
Scope of Work: Prime Contractor, Design-Build
Contract Amount: $180,863

SHERWOOD STREAMBANK STABILIZATION PROJECT
DODDRIDGE COUNTY, WV

This design-build project consisted of 600 LF of streambank stabilization using natural channel design elements consisting of rock j-hook structures, toe-wood structures and bank grading. This project used a novel approach in a large stream (Buckeye Creek) with known occurrences of federally listed mussel species that used natural channel design to protect an exposed gas pipeline and electric line in the stream.

Reference: Gary Fazalare | 304-677-4099 | gary@fazalare.com
Scope of Work: Prime Contractor, Design-Build
Contract Amount: $310,850

NAVY FEDERAL CREDIT UNION POND/STREAM RESTORATION – PHASE II TRAIL
WINCHESTER, VIRGINIA

This design-build project involved dredging approximately 1000 cy of material from an existing farm pond and grading a portion of dredge material onsite. A concrete weir was installed to raise pond water level one foot from existing level. The weir was lined with boulders to provide a more natural appearance. This project utilized Natural Channel Design to implement approximately 100 feet of stream restoration at the pond outlet utilizing boulder step pools, bank grading and native material to remedy eroding banks at the pond outlet. ASE also performed tree planting and installed aquatic habitat structures in the pond for fish and turtles.

Reference: Ren Hutt |703.928.1435 | rhutt@hitt-gc.com
Scope of Work: Subcontractor for HITT, Design-Build
Contract Amount: $250,187

DIXON LAKE WETLAND PROJECT
MORGANTOWN, WV

This design-build involved excavating and grading approximately 200 feet of earthen berm to create over 0.5 acres of wetland for waterfowl habitat enhancement. ASE performed a culvert replacement and access road repair. We also installed wildlife habitat structures within the created wetland and worked with a local boy scout troop to perform over 200 tree plantings onsite.

Reference: Mike Peters | 304-376-3688 | Michael.L.Peters@wv.gov
Scope of Work: Prime Contractor, Design-Build
Contract Amount: $7,500

BEAVER CREEK FISHERY ENHANCEMENT PROJECT (PHASE II)
TUCKER COUNTY, WV

This fishery enhancement project was the second stream restoration project completed in cooperation with Canaan Valley Institute and WVDEP AML PILOT Program. The project involved approximately 400 feet of stream restoration at three separate sites. ASE was responsible for removing a failed culvert crossing and installed a boulder armored ford crossing with rootwad/toewood bank stabilization both up and downstream of the constructed ford. Additionally, ASE installed rootwad/toewood structures and rock step pools to increase fish habitat in Beaver Creek.

Reference: Josh Saville | 304-678-3523 | jsaville@downstreamstrategies.com
Scope of Work: Prime Contractor, Construction
Contract Amount: $86,744

ANTICIPATED CONCEPTS AND METHODS OF APPROACH

GOAL/OBJECTIVE	DESCRIPTION	VENDOR'S CONTRIBUTION
Goal/Objective 1	Review site conditions and evaluate feasibility. Communicate with the owner to develop a plan that aims to reduce cost and ecological disturbance and address all objectives.	ECS scientists use various remote sensing techniques to estimate wetland and stream locations. This includes LiDAR maps USGS topographic maps County geodata aerial photography NWI wetland maps USDA Soil data and FEMA floodplain data. ECS employs drone technology for evaluating large areas and gathering real-time data supporting field decisions and saving time and resources. Our field personnel possess regional experience including Professional Wetland Scientists Professional Wetland Delineators Rosgen Levels I-IV trained professionals Professional Geologists Engineers arborists biologists ecologists and environmental scientists. This team performs field delineations for this contract. ECS coordinates with regulatory agencies to reduce potential issues early in the process avoiding project delays and increased costs. Early pre-application discussions during delineation and Jurisdictional Determination phases help identify problems and facilitate agency coordination. ECS evaluates costs and benefits of different approaches presenting suitable solutions to regulatory agencies.
Goal/Objective 2	Furnish services for designing and permitting facilities as described in this Expression of Interest. Adhere to Division of Natural Resources' needs, objectives, current law and code, while working within the project budget.	ECS provides design and permitting services for facilities. This includes preparing various wetland and waterway permits such as Section 404/401 and Virginia Water Protection and Subaqueous Bed Permits. ECS manages the Joint Permit Application process and coordinates with the COE Virginia Department of Environmental Quality VMRC and Prince William Wetland Board. ECS wetland professionals design compensatory stream and wetland mitigation areas. Services include project design planting specifications Erosion and Sedimentation Control Plan preparation and mitigation monitoring. ECS uses the USM to score streams informing mitigation requirements for proposed impacts. Our team establishes clear goals and objectives for restoration projects. ECS staff includes planners and CAD technicians who prepare drawings plans specifications Gantt charts and other deliverables. ECS uses a web-based reporting program for efficiency and report consistency.
Goal/Objective 3	Furnish Construction Contract documents and Administration Services with skilled professionals to aid in confirming the project's construction and operation as designed.	ECS provides construction contract documents and administration services. This includes preparing Erosion and Sedimentation Control Plans and offering construction oversight. ECS conducts permit and mitigation bank compliance monitoring. Monitoring services involve photostation establishment hydrologic studies and installation of piezometers and pressure transducers for water level monitoring. ECS also performs water quality monitoring for instream work. ECS provides construction wetland impact monitoring services including pre-construction photostations and flagging non-impact wetland/stream features. ECS prepares Stormwater Pollution Prevention Plans (SWPPP) and conducts SWPPP/E&S Inspections. Our staff includes Registered Land Disturbers DEQ-certified Dual Inspectors Erosion and Sediment Control Inspectors and Stormwater Management Inspectors. ECS performs full-time onsite construction monitoring for projects like Regenerative Stormwater Conveyance systems and wetlands. This monitoring verifies grading and structure installation. They also conduct wetland and stream mitigation monitoring for approved banks including groundwater wells stream gages stem counts pebble counts stream dimension pattern and profile structure stability longitudinal profiles cross sectional surveys and pedestrian observations.

ECS employs a comprehensive, multi-phased approach to wetlands services that emphasizes technical rigor, regulatory compliance and cost-effective solutions. Our methodology integrates decades of experience with innovative techniques to deliver superior outcomes for clients across diverse geographic regions.

Desktop Assessment and Pre-Field Analysis

Our approach begins with thorough desktop research utilizing multiple data sources to identify potential jurisdictional areas before field mobilization. This preliminary assessment includes:

- Review of National Wetlands Inventory (NWI) mapping and USGS topographic maps
- Analysis of County GIS databases and aerial photography
- Examination of Web Soil Survey data and hydric soil indicators
- Federal Emergency Management Agency (FEMA) floodplain mapping review
- Historical aerial photograph analysis to understand site evolution

This comprehensive desktop review enables our team to optimize field investigation strategies and identify areas of concern prior to site mobilization.

Field Investigation Methodology

ECS conducts wetland delineations following the 1987 U.S. Army Corps of Engineers Wetland Delineation Manual in conjunction with applicable Regional Supplements. Our field methodology employs the routine on-site determination method, requiring positive evidence of three critical parameters:

Hydrophytic Vegetation: Our certified wetland scientists identify and document plant species using current regional wetland plant lists, assessing dominance and prevalence indices to determine hydrophytic vegetation presence.

Wetland Hydrology: Field teams evaluate hydrological indicators including surface water presence, soil saturation, water marks, drift deposits and other primary and secondary indicators of wetland hydrology.

Hydric Soils: Soil investigations involve excavating test pits to examine soil profiles for hydric soil indicators, including matrix color, redoximorphic features and other field indicators specific to regional soil conditions.

Advanced Technology Integration

ECS utilizes state-of-the-art technology to enhance accuracy and efficiency:

- Sub-meter accuracy GPS units for precise boundary mapping
- GIS and AutoCAD capabilities for detailed mapping and analysis
- Digital photography for comprehensive site documentation
- Electronic data collection systems for streamlined reporting

Jurisdictional Determination and Regulatory Coordination

A critical component of our approach involves determining jurisdictional status of delineated features. Our experienced professionals evaluate:

- Federal jurisdiction under Waters of the United States regulations
- State and local regulatory requirements
- Potentially non-jurisdictional areas that may not require permitting
- Roadside ditches and other features in regulatory gray areas

ECS maintains strong working relationships with regulatory agencies and coordinates early consultation to identify potential issues and streamline the permitting process.

Permitting and Mitigation Strategy

When impacts to wetlands are unavoidable, ECS develops comprehensive permitting strategies including:

Alternatives Analysis: Detailed evaluation of project alternatives considering avoidance, minimization and mitigation options with cost-benefit analysis for each alternative.

Permit Application Preparation: Complete documentation packages for Individual Permits, Nationwide Permits and 401 Water Quality Certifications, prepared to regulatory specifications.

Quality Assurance and Reporting

Our quality assurance process includes:

- Principal-level review of field findings and data
- Preparation of comprehensive reports suitable for regulatory submission
- Detailed mapping showing jurisdictional boundaries and impact areas
- Photographic documentation and data sheets meeting USACE specifications

Regional Expertise and Adaptability

ECS' team includes Professional Wetland Scientists and certified professionals with expertise across diverse geographic regions. This regional knowledge enables us to:

- Address variations in soil types and hydric soil indicators between regions
- Understand regional differences in hydrophytic plant species
- Navigate varying regulatory environments and agency preferences
- Apply appropriate Regional Supplements to the USACE Manual

Value Engineering and Cost Management

Our approach emphasizes practical, cost-effective solutions through:

- Early identification of potential regulatory constraints
- Strategic project design modifications to minimize impacts
- Innovative approaches to complex regulatory challenges
- Ecosystem valuation studies when appropriate to demonstrate reasonable impact levels

Construction Phase Support

ECS provides ongoing support during construction including:

- Pre-construction coordination meetings
- Construction monitoring and compliance verification
- Adaptive management strategies when needed
- Post-construction monitoring and reporting

This comprehensive approach positions ECS to deliver technically sound, regulatory-compliant wetland services while maintaining focus on project objectives and cost-effectiveness. Our methodology combines scientific rigor with practical experience to navigate complex regulatory environments and achieve successful project outcomes.

	Department of Administration **Purchasing Division** **2019 Washington Street East** **Post Office Box 50130** **Charleston, WV 25305-0130**	**State of West Virginia** **Centralized Expression of Interest** **Architect/Engr**

Proc Folder:	1834025	**Reason for Modification:**
Doc Description:	A&E - Meadow River WMA Wetlands Project	
Proc Type:	Central Contract - Fixed Amt	

Date Issued	Solicitation Closes	Solicitation No	Version
2025-11-10	2025-12-03 13:30	CEOI 0310 DNR2600000003	1

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code: VS0000039420
Vendor Name : ECS Mid-Atlantic, LLC
Address : Corp: 14030 Thunderbolt Place, Suite 500, Chantilly, VA 20151
Street : Local: 499 Fortress Boulevard, Suite 2403
City : Morgantown
State : WV **Country :** USA **Zip :** 26508
Principal Contact : Vincent Humenay, CERP
Vendor Contact Phone: 717.767.4788 **Extension:**

FOR INFORMATION CONTACT THE BUYER
Joseph (Josh) E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor Signature X **FEIN#** 20-1067637 **DATE** 12/3/2025

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

Date Printed: Nov 10, 2025 **Page:** 1 FORM ID: WV-PRC-CEOI-002 2020/05

ADDITIONAL INFORMATION
The Acquisitions and Contract Administration Section of the Purchasing Division is soliciting Expression(s) of Interest for the Division of Natural Resources from qualified firms to provide necessary engineering to evaluate, design, specify and provide construction administration for the establishment of a natural wetland area located on the Meadow River Wildlife Management Area (WMA) located in Greenbrier County, WV. per the attached specifications and terms and conditions.

INVOICE TO	SHIP TO
DIVISION OF NATURAL RESOURCES 112 CALIFORNIA AVENUE BLDG 4 CHARLESTON WV 25305 US	STATE OF WEST VIRGINIA JOBSITE - SEE SPECIFICATIONS No City WV 99999 US

Line	Comm Ln Desc	Qty	Unit Issue
1	Civil engineering		

Comm Code	Manufacturer	Specification	Model #
81101500			

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

SCHEDULE OF EVENTS

Line	Event	Event Date

	Document Phase	Document Description	Page 3
DNR2600000003	Final	A&E - Meadow River WMA Wetlands Project	

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI 0310 DNR2600000003

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

- ☐ Addendum No. 1
- ☐ Addendum No. 2
- ☐ Addendum No. 3
- ☐ Addendum No. 4
- ☐ Addendum No. 5
- ☐ Addendum No. 6
- ☐ Addendum No. 7
- ☐ Addendum No. 8
- ☐ Addendum No. 9
- ☐ Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

ECS Mid-Atlantic, LLC
Company

Authorized Signature

12/3/2025
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

Revised 8/24/2023

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Vincent Humenay, CERP

(Address) 449 Fortress Boulevard, Suite 2403, Morgantown, WV 26508

(Phone Number) / (Fax Number) 717.767.4788 (phone) / 412.221.3131 (fax)

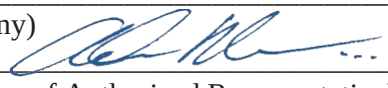
(email address) vhumenay@ecslimited.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through *wv*OASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

ECS Mid-Atlantic, LLC

(Company)



(Signature of Authorized Representative)

Adam Meurer, CHMM, PWS; Senior VP/Director of Environmental Services; 12/3/2025

(Printed Name and Title of Authorized Representative) (Date)

434.218.7009 (phone) / 434.973.3238 (fax)

(Phone Number) (Fax Number)

ameurer@ecslimited.com

(Email Address)

Revised 8/24/2023

Subcontractor List Submission (Construction Contracts Only)

Bidder's Name: ECS Mid-Atlantic, LLC

☐ Check this box if no subcontractors will perform more than $25,000.00 of work to complete the project.

Subcontractor Name	License Number if Required by W. Va. Code § 21-11-1 et. seq.
Allstar Ecology LLC	WV046329

Attach additional pages if necessary

Revised 8/24/2023

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