

## **Nick Hepfl**

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### **Education:**

- Clarion University of Pennsylvania (2012- 2016)  
Major: Environmental Biology (133 Credits Earned) GPA: 3.27  
Minor: Environmental Sustainability

### **Professional Experience:**

#### **October 2022 – Present: Herbert, Rowland & Grubic Inc (HRG): Assistant Project Manager**

- Certified Agricultural Nutrient Management Specialist (PA and WV)
- Designs and water quality BMPs on farms and oversees construction and implementation
- Provides outreach to producers to advance water quality programs and clean water initiatives.
- Member of the Countywide Action team, responsible for coordination and implementation of the Countywide Action Plan in 12 Pennsylvania Counties
- Oversees best management practice (BMP) verification efforts of conservation districts
- Provides training to CD staff for PracticeKeeper Data Entry and BMP reporting
- Runs CAST pollution reduction model for projects and pollution progress tracking
- Agricultural Project Management
- Member of the Chesapeake Bay Program: Agricultural Workgroup
- Member of the Remote Sensing Advisory Committee
- Former member of the EPA-USDA BMP Crediting Task Force

#### **June 2016-2022: Clearfield County Conservation District: Agricultural Conservation Specialist**

- Primary role of program administration and technical assistance to agricultural operations for Pennsylvania Act 38, and DEP Chapter 91 and 102 laws and regulations
- Provide technical assistance and partial administration of Clearfield County Farmland Preservation Program
- Perform agricultural inspections for Chesapeake Bay restoration efforts
- Agricultural best management practice planning, design development, and implementation
- Pennsylvania Certified Nutrient Management Specialist
- Possess NRCS Engineering Job Approval Authority
- Proficient in spatial research and analysis using ArcGIS and QGIS applications
- Proficient in all Microsoft Office Applications
- Experience using Web Soil Survey, RUSLE2, and engineering applications to make soil conservation decisions.
- Provide technical assistance for farms using no-till, cover crops, and rotational grazing practices to improve soil health.
- Proficient at development and implementation of Act 38 Nutrient Management Plans, Manure Management Plans and Agricultural Soil Erosion and Sediment Control Plans
- Grant writing and administration for agricultural project construction and development
- Manage district owned No-till farm machinery and associated upkeep and maintenance
- Coordination of soil health education events in Clearfield County
- Chlorophyll, soil, and manure testing as well as manure spreader calibration services

## **January 2021 – Current: Clearfield County Conservation District: Countywide Action Plan Coordinator**

- Responsible for the development and implementation of the Clearfield County Countywide Action Plan (CAP)
- Spatial research and GIS modeling of conservation practice identification and verification of best management practices.
- Responsible for the development and maintenance of GIS models that estimate pollution load reductions in watersheds with strategic placement of best management practices
- Provide coordination of efforts between partnering organizations, private sector, and public efforts toward CAP implementation.
- Responsible for the implementation and installation of best management practices through the Countywide Action Plan Implementation Grants (grant financials, contracting, and project QA/QC)
- Coordination and presentation of CAP efforts to local and state agencies

## **Summer 2015: Illinois Natural History Survey: Stream Research Technician**

- Assessment of CREP and CRP density on biological communities in Illinois streams
- Assessments of stream habitat improvement projects
- Electrofishing surveys (backpack electrofishing and electric seine)
- Macroinvertebrate collection and processing
- Water quality analysis
- Statewide HOBO data logger deployment and management
- Stream visual assessment surveys
- Equipment repair and building

## **Summer 2013, 2014: Western Pennsylvania Conservancy: Watershed Conservation Intern**

- Electrofishing surveys
- Stream visual assessment surveys
- Water quality monitoring
- Freshwater mussel surveys
- Forest stand composition assessments
- Dirt and gravel road improvement projects
- Stream habitat improvement projects
- Bioengineering restorations
- Riparian zone improvement project

## **Research Experience:**

- 2015: GIS Assessment of Hemlock coverage on Brook Trout biomass in Pennsylvania Streams.
- Hepfl, N.S., Yaroszewski, N.C., 2014. Back From the Brink? Assessing the Freshwater Mussel Populations of the Lower Clarion River. Clarion University Undergraduate Research Program
- Hepfl, N.S., 2013. Quantifying *Batrachochytrium dendrobatidis* among Eastern Hellbender (*Cryptobranchus a. alleganiensis*) populations in Western, PA. Clarion University Undergraduate Research Program
- Hepfl, N.S., Stahr, M.N., 2012. Thermoregulation Dynamics of *Ambystoma maculatum* as affected by digestion. Clarion University Undergraduate Research Program

## **Other Employment History:**

- **April 2012-2016: Swartfager Farms**
  - Heavy equipment operation, including all types of farm tractors and implements.
  - Truck and trailer operation, including transport of equipment and harvested crops.
  - Mechanical repair of tools and machines
  - Field management
  - Power tool operation

## **Certifications:**

- Certified Pennsylvania Nutrient Management Specialist

- Certified West Virginia Nutrient Management Consultant
- Agricultural Conservation Technician
- OSHA10