



## HURON PINES Huron Pines AmeriCorps Position Description

**POSITION TITLE:** Stream Habitat Restoration Technician  
**PRIMARY SERVICE LOCATION:** Alpena, Michigan  
**RESPONSIBLE TO:** Amy Nowakowski, Coastal Project Manager

Huron Pines is a nonprofit organization that works to conserve and enhance Northern Michigan's natural resources to ensure healthy water, protected places and vibrant communities. We fulfill this mission by building partnerships between the public and private sector, coordinating on-the-ground natural resource restoration projects and helping to enhance the efforts of our conservation partners.

Through the Huron Pines AmeriCorps program, Huron Pines is offering an opportunity for two full-time service members who will be responsible for planning and implementing stream inventories for future habitat restoration projects, while increasing community participation and awareness in these efforts. The member's may also assist in stormwater mitigation projects, aimed to reduce polluted runoff entering Lake Huron and build capacity in Northern Michigan communities to address nonpoint water pollution. The successful candidate will be able to manage multiple tasks and has a strong initiative and desire to learn. Experience collecting data in the field, trailering and operating boats, knowledge of stream survey techniques, and invasive species identification is also a plus (training will be provided as needed). Experience using ArcGIS (ESRI) software, ArcGIS Online and GPS is strongly preferred. Preference will be given to candidates with excellent written and verbal communication skills.

### **SCOPE AND PURPOSE OF SERVICE:**

This position requires a 10-month commitment. The Huron Pines AmeriCorps Stream Habitat Restoration Technician will serve independently in the office to organize data and create maps for field inventories and will be an essential member of a 2-person crew in remote field locations implementing on-the-ground inventories for future habitat restoration projects. Service will include leading road/stream crossing inventories at culverts and bridges in isolated locations of the Eastern Upper Peninsula, and conducting streambank erosion and invasive species inventories via kayak/boat including remote sections of the Thunder Bay River Watershed. The position may also collect ground-truth data on stormwater systems and green infrastructure sites. This position is heavily field-based, physically demanding and will require a flexible schedule with extensive travel (shared company vehicle provided). Overnight stays at rustic tent campsites for approximately 4 days/week for 6 weeks are required in the eastern portion of the Upper Peninsula. Service may also include operating in isolated locations in all weather conditions and adhering to a safety plan protocol.

## POSITION DUTIES AND RESPONSIBILITIES:

### Eastern Upper Peninsula Road/Stream Crossing Inventory

- Organize existing road/stream crossing data to prepare GIS maps for upcoming field inventories
- Conduct road/stream crossing inventories to prioritize future restoration projects that will reconnect fragmented river systems, improve water quality, reduce road maintenance needs and reduce the risk of road washout/erosion
- Collect data accurately and enter into electronic database, including GPS locations, sediment calculations, road/stream crossing dimensions and photopoint monitoring
- Create new maps from collected field data and prepare field data for upload into the public database: <http://www.northernmichiganstreams.org/>

### Thunder Bay River Watershed Streambank Erosion and Invasive Species Inventory

- Conduct river inventories, up to 8-hours/day on the water, to identify trend over time and prioritize future restoration projects at streambank erosion sites and at invasive species locations
- Identify invasive plant species
- Engage in proper use and maintenance of tools and equipment, including kayaks/boats/trailers, vehicles, digital cameras, GPS units and tablet PC
- Create new maps from collected field data that identify inventory locations and results
- Aid in restoration efforts to enhance degraded areas, which may include the removal of invasive plant species, planting native species, and installing erosion control measures

### Stormwater Management

- Assist in the development of the Alpena Stormwater Assessment including data collection to fill in existing GIS gaps, calculating runoff volumes and pollutant discharges and identifying priority sites for green infrastructure projects
- Develop outreach and installation of green infrastructure
- Generate ArcGIS story maps for Huron Pines water projects that include custom maps, images and narratives

### Community Engagement

- Engage with landowners during field inventories, communicating the Huron Pines mission, conservation efforts and importance of your service; including the importance of invasive species management, erosion control, and stream restoration at fragmented river locations
- Coordinate volunteer events to educate community groups on invasive species, altered river systems, stormwater management and/or stewardship activities for habitat restoration projects

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## PROGRAM REQUIREMENTS:

- Prepare and submit 2-week schedules, timesheets and mileage reimbursement forms
- Conduct at least 2 presentations to community groups about Huron Pines AmeriCorps
- Engage at least 30 volunteers in conservation activities
- Submit 4 “Great Stories”
- Provide regular project updates and photos for the website
- Represent yourself as a Huron Pines AmeriCorps member at all times
- Attend required trainings provided by the AmeriCorps Coordinator

## REQUIRED QUALIFICATIONS:

- ✓ College degree required, preferred degree in hydrology, fisheries biology, aquatic ecology, natural resource management, or related field
- ✓ Computer efficiency (typing, email, word processing, excel)
- ✓ Highly motivated and organized
- ✓ Excellent written and verbal communication skills
- ✓ Maintain a safe work environment, especially when working in remote field locations
- ✓ Ability to pass a background check\*
- ✓ Have and maintain a valid driver’s license
- ✓ U.S. citizen, national, or lawful permanent resident alien
- ✓ Commitment to conserving the forests, lakes and streams of Northeast Michigan

### Preferred Qualifications

- Proficiency in Geographic Information Systems (GIS)
- Experience with accurately collecting data in the field and maintaining organized records
- Familiarity with Michigan native plant species and common invasive species
- Experience with the operation of small motorized boats on inland lakes and rivers, trailering boats (launching and loading at boat ramps), kayaking, and tent camping

At times, service will be required at an off-site location. Use of a personal vehicle may be required to perform duties (mileage will be reimbursed). This is a 40 hour per week position and runs from January 28 -December 3, 2021. Benefits include \$14,279 living stipend, health insurance, \$6,195 education award and student loan deferment.

Applications and directions are available at [www.huronpines.org/amicorps](http://www.huronpines.org/amicorps) and will be accepted until October 12, 2020.

**Reasonable accommodations:** If you need to make a request for a reasonable accommodation, due to a disability, such as obtain materials in a format that works for you or to fully participate in the

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4241 Old US 27 South, Suite 2, Gaylord, MI 49735 | [huronpines.org/amicorps](http://huronpines.org/amicorps) | (989) 448-2293

Huron Pines AmeriCorps is a program of Huron Pines and is supported in part by the Corporation for National and Community Service, Michigan Community Service Commission, Huron Pines and contributions from host sites.

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application process, please contact Amanda Vanaman, AmeriCorps Program Manager at (989) 448-2293 x30 or [amanda@huronpines.org](mailto:amanda@huronpines.org).

\*Registered sex offenders are not eligible for AmeriCorps positions.

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