GIS and TAM Internship
Summer 2019

Stewardship of the Trail Around Middlebury (TAM) & GIS Mapping

A Partnership between Middlebury College and Middlebury Area Land Trust

This internship is in memory of Professor Bob Churchill, the founder and director of the GIS program at Middlebury College, who trained more than 900 students in different aspects of GIS and cartography. Many of these students are now leaders in the field.

Overview

The Middlebury Area Land Trust (MALT) conserves, promotes, and manages land as natural, open, and working landscapes in Addison County. MALT also provides and supports recreational, educational, and cultural opportunities for the community.

We have conserved over 3500 acres in Middlebury and the surrounding towns, including natural resources like land along the Middlebury River corridor and Otter Creek. We work to develop important recreation amenities such as Otter View Park and Wright Park. More recently we have focused on maintaining the popular 19-mile Trail Around Middlebury (TAM), working with the National Park Service to extend the North Country National Scenic Trail via connector trails to Snake Mountain and the TAM from the Crown Point Bridge. (http://www.maltvt.org)

Duties/Tasks

MALT seeks a Middlebury College student intern for summer 2019. The intern will work 35 hours per week and focus on several key projects:

GIS and mapping:
  • MALT trying to better understand where we "fit" in the community. The intern will work to understand and map conservation priorities and opportunities in
Addison County (possibly lands AND trails). They will gather information from partner groups, town plans, conservation committees, etc;

- The internship will culminate in a final presentation of GIS data depicting Addison County’s currently conserved parcels as well as opportunities and priorities for future conservation projects;
- Identify and mark boundaries of MALT owned lands. These include 5 parcels of about 550 acres in total and all are located in the greater Middlebury area; and
- Other duties as assigned.

Trail work may include:

- Brushing/routine trail maintenance;
- Parsnip control in Otter View Park with MALT staff;
- Leading volunteer work parties with MALT staff;
- Erosion control on various sections of the TAM; and
- Coordination of trail work with MALT’s Trails Director, John Derick.

**Qualifications**

- Applicant must be a current Middlebury student (sorry, no graduating seniors) and have knowledge of GIS mapping and cartographic principals;
- Be able to handle physical labor in hot conditions, lifting up to 30 lbs, and able to/willing to learn to handle motorized trail equipment like weed whackers;
- Applicant must be able to work independently once trail maintenance tasks are explained. For example, you may work up to 3-4 hours independently on the TAM;
- Be self-motivated and committed to learning new technical and non-technical skills;
- Comfortable interacting with the public on behalf of the TAM and MALT. Be able to be an advocate for land conservation and public recreation; and
- Interest in land conservation and recreation issues.

**Logistics - Time Frame/Location**

The internship will run for approximately 10 weeks. Start and end dates are flexible, but generally go from mid-June to the end of August.

The Intern will complete GIS-related work at the Middlebury College GIS Lab and occasionally at the MALT office in Middlebury.

The intern will complete trail maintenance and stewardship with MALT staff and volunteers in the field. The intern will report to MALT’s Executive Director and Trail Coordinator. Middlebury’s GIS Specialist, Bill Hegman, will provide technical and logistical assistance to the intern.
Access to a personal vehicle is not required but may be beneficial. If candidates do not have access to a personal vehicle, a bicycle will be sufficient for transportation to various trailheads.

**Compensation**

Stipend of $3,700

**Interested individuals should send a cover letter and resume by February 22, 2019 to:**

Jamie Montague  
Executive Director  
Middlebury Area Land Trust  
PO Box 804  
Middlebury, VT 05753  
jamie@maltvt.org