

Hannah Weiss
Staff Scientist



Hannah (she/they) has experience conducting environmental research, developing/executing field methods, preparing technical reports, and writing grants and proposals. Since beginning with WHEM in 2021, she has gained specific experience conducting Phase I Environmental Site Assessments, Phase II Environmental Site Assessments, sampling/analyzing groundwater (low-flow), surface water, soil, and indoor/exterior air and sub-slab soil vapor, and landfill monitoring. She is interested in the application of state and federal environmental regulations to land and property in Vermont.

EDUCATION

2020 M.S. in Natural Resources, University of Vermont, Burlington, VT

2018 B.S in Environmental Science, Geology Concentration, Mathematics minor, University of Vermont, Burlington VT

RECENT PROFESSIONAL EXPERIENCE

- Staff Scientist* – Waite-Heindel Environmental Management (VT).....May 2021— present
- Graduate Teaching Assistant* - University of Vermont (VT).....Sept 2018 – Dec 2020
- Education and Outreach Steward* - Lake Champlain Basin Program (VT).....June 2020 – Sept 2020
- Conservation Research Assistant and Education Fellow* -Audubon Society (VT).....June – August 2019
- Field Research Assistant* - Round River Conservation Studies (Patagonia, Chile).....Jan – Apr 2017
- Summer Youth Corps Crew Leader* - Minnesota Conservation Corps (MN).....June – Aug 2016

QUALIFICATIONS

- Phase I and II Environmental Site Assessments
 - Grounds and facility reconnaissance to assess potential environmental hazards in commercial, industrial and residential settings;
 - Site investigation and Conceptual Site Model reporting;
 - Historical research for property ownerships and land use history;
 - Report writing and research in accordance with ASTM E1527-13 Standards.
- Field Work
 - Conducting groundwater sampling and soil
 - Soil vapor investigations and sampling with vapor point installations to track soil gas migration;
 - Use of various data loggers and field instrumentation for data collection
- GIS Data Management
 - Vermont ANR data acquisition for internal GIS system database management;
 - Orthophoto and aerial photography and georeferencing and management;

PRESENTATIONS/PUBLICATIONS

- **Manuscript** published by The Cryosphere; (December, 2019): *Optimization of over summer snow storage at low elevation, mid latitudes*
- **Talk** at the 27th IUGG General Assembly Meeting (July, 2019): *Optimization of over summer snow storage at low elevation, mid latitudes*
- **Poster** at American Geophysical Union (Dec. 2018): *Optimization of over summer snow storage at low elevation, mid latitudes*
- **Poster** at the Northeast Sectional Geologic Society of America Conference, (March, 2018): *Use of Ground- Penetrating Radar and Electromagnetic Induction Profiling to Image a buried revolutionary War trench at Chimney Point, Vermont*

CERTIFICATIONS

- Member: Geologic Society of America; 2022
- OSHA 40-hour Hazardous Waste Operations and Emergency Response Course; April 2021
- WFA, CPR and First Aid, American Red Cross: Adult, Child and Infant; 2018

PROFESSIONAL DEVELOPMENT

- Hydrogeology of Vermont, Vermont Geology Society, February 9, 2022
- LightBox Training: An Update ASTM E1527-21 Standard for Phase I Environmental Site Assessments, February 9, 2021;
- Cascade: Incorporating Sustainability and Resiliency in Your Remediation Projects, January 22, 2022;