



Guatemala Project Overview

Michigan Technological University's Student Chapter of Engineers Without Borders-USA has been working with the communities of Fronterizo and Canton in Guatemala. EWB-MTU has been working with the communities for several years with a goal to meet their water needs and provide them with water autonomy.

Previous Work

EWB-MTU completed a monitoring and assessment trip in May of 2023:

Canton: The team assessed a gravity-fed spring system that had been implemented in the spring of 2022. After determining that the water system provides more than enough water for the community, the EWB-MTU Guatemala team decided to complete the project in Canton.

Fronterizo: The team installed a solar-powered pump and water tank to the main well in Fronterizo, ensuring an easily accessible water supply and storage for the community. During the dry season, however, the main well does not supply enough water to the community, so the team started assessing the community's ideas and collected data for ongoing planning and design.

Future Work

EWB-MTU plans to travel in May 2024 to implement an additional water supply source for the community of Fronterizo. The team is currently working on design options including a surface water catchment, a bored well, or a gravity-fed spring system that can provide water year-round for the community.

