

## **Geocoding American Society of Mining and Reclamation Proceedings to Preserve and Easily Access Reclamation Research<sup>1</sup>**

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**Abstract:** The Saint Francis University Center for Watershed Research & Service worked in conjunction with Saint Vincent College to find and geocode the locations of research conducted in the American Society of Mining and Reclamation conference proceedings from 1998 to 2012 as well as the articles in the Journal of the American Society of Mining and Reclamation from 2011 to 2016. In support of Saint Francis University's Research-Learning structure, a group of four undergraduate students conducted the bulk of the investigation with oversight from professor and postdoc mentors to allow for maximum learning opportunities throughout the project. The team members utilized Google Earth and Earth Point to visually search for the coordinates of each site and then code each pair of coordinates into a collective and interactive map. Future research can be recorded and uploaded in the same way in order to keep the database up to date. This database will be easily accessible to members of the American Society of Mining and Reclamation for finding previous research studies, where trends between location and technical divisions (from water management to ecology) can be analyzed. It offers a tool for locating follow-on research topics such as long term successional or passive treatment performance studies and noting where updates are necessary, as well as a unique way to potentially connect with other American Society of Mining and Reclamation members.

**Additional Key Words:** geolocation Google Earth.

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