

Watershed Management Group

Position Description



Position Title: Watershed GIS Analyst Internship
Supervisor: Catlow Shipek, Policy and Technical Director

Summary: The Watershed GIS Analyst, with a focus on developing and using GIS-based tools to aid watershed planning and stewardship efforts, will be part of a dynamic WMG staff team under the River Run Network, a program under WMG's 50-year goal to restore the heritage of free-flowing rivers, streams, and springs in southern Arizona. The Watershed GIS Analyst will support geospatial analysis, mapping, and app development for a range of watershed and community health initiatives. The GIS Analyst will develop, update, and edit ArcGIS Online apps and supporting spatial map layers to track progress towards river restoration goals, update and refine watershed plans, develop, and refine interactive GIS-based storymaps, and assist with outreach and engagement of targeted watershed stakeholders.

Duties & Responsibilities:

- **River Run Network** – Continue to build on the streamshed stewardship framework (see watershedmg.org/RRN). This will consist of the following:
 - Support and refine WMG's Streamshed and Flow 365 Community Science data and layers using ESRI ArcGIS Pro and ArcGIS Online apps
 - Support the annual bi-national beaver survey along the San Pedro River with map and spatial data analysis of Survey123 app collected data
 - Assist River Run Network program with spatial analysis and tracking of stewardship efforts
- **Santa Cruz Watershed Collective** (see santacruzwatershedcollaborative.net) – Provide assistance in dissemination of and updates to the Watershed Restoration Plan:
 - Create map visualizations to support Partner engagement and information sharing for semi-annual forums, Plan outputs, and website content
 - Assist with semi-annual forum sessions as needed (e.g. breakout room moderating or note taking)

Job Requirements

- Interest and support of WMG's mission.
- Ability to work independently.
- Excellent communication and writing skills.
- Promptness and sound organizational skills.
- Proficient in Google Docs, Microsoft Office suite, and ESRI ArcGIS 10x/Pro/Online.

Preferred Experience

- College degree or currently enrolled in a degree program related to environmental science, or a related field
- Spanish Language Proficiency
- Diversity, Equity, and Inclusion work experience or training.