

## AEC SOLUTIONS

### HYDROLOGIC SURVEYS

*Hydrologic Surveys for insight to understanding water improvements.*

Juniper Unmanned, Inc. provides advanced solutions for managing and preparing site data required for Hydrologic surveys. The integration of Unmanned Aerial Services (UAS) into surface water studies, will help our clients expand capabilities to collect and use hydrologic information to improve their understanding of drainage, stream remediation, storm water and other related surface water improvements. Juniper Unmanned's operations enable data collection in areas that might otherwise be difficult or impossible to access, such as unstable stream banks.

- Waterway mapping / waterway enhancements / remediation
- Erosion mediation
- Drainageway Improvements
- Stabilization projects
- Flood control
- Water level fluctuations
- Vegetation conditions



### BENEFITS OF INTEGRATION OF UAS IN HYDROLOGIC SURVEYS

- Rapid and as-needed deployment
- High-resolution 3D models
- Increased staff productivity
- Enables field personnel to quickly assess site conditions.
- Lower engineering/survey costs
- Streamlined planning and staging
- Remote access to rugged terrain
- Decreased exposure to hazardous field conditions.
- Mitigating flood risks
- Calculate accurate information about the water you have and the water you need
- Timely implementation of conservation & restoration measures in problematic areas.

**Contact Juniper today to discover how we can support your projects, efficiently and cost effectively!**