

TIME-LAPSE HYDROLOGY

SRP Flowtography® is a method of recording stream depth using time-lapse photography and a precisely located event gage.



SRP FLOWTOGRAPHY IMAGES EXPLAIN

- SRP Flowtography is used for general, operational and scientific monitoring.
- Images can be transmitted via satellite or cellular network, as well as manually downloaded.
- Photo data is high-resolution and high-frequency.
- Flowtography infrastructure and maintenance costs are lower than traditional methods.
- Event graphs are similar to traditional hydrographs. Flows are estimated.



FUTURE OF SRP FLOWTOGRAPHY

The processing of the time series of images utilizes an SRP proprietary automated method. An index image is collected at installation and used to calibrate the image ingest system.

At any time, a hydrologist can select an image or series of images to review. The images are retained as legacy data of the site and can be used by future processes to investigate other parameters contained within the images. This is of tremendous value as future generations of hydrologists will be able to access the retained images to identify conditions of a particular site at the time of image collection.



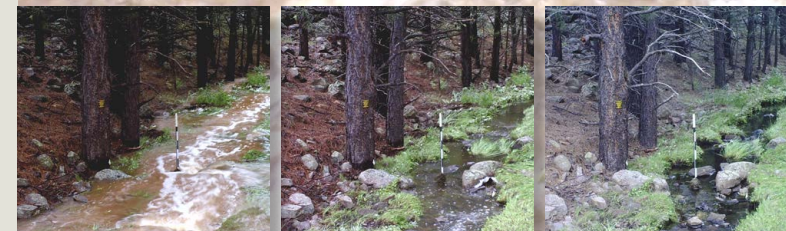
HYDROLOGY-IN-MOTION

This combination of information formats, assembled into time-lapse "documentaries," called Hydrology-In-Motion™, will enable flow conditions and watershed health to be described (visually and digitally) to hydrologists and the next generation of stakeholders.

FOR MORE INFORMATION

Contact Lee Ester, Manager, SRP Water Measurement, at (602) 236-5592 or Lee.Ester@srpnet.com.

"We Measure It to Manage It."



IN-STREAM IMAGE MONITORING™

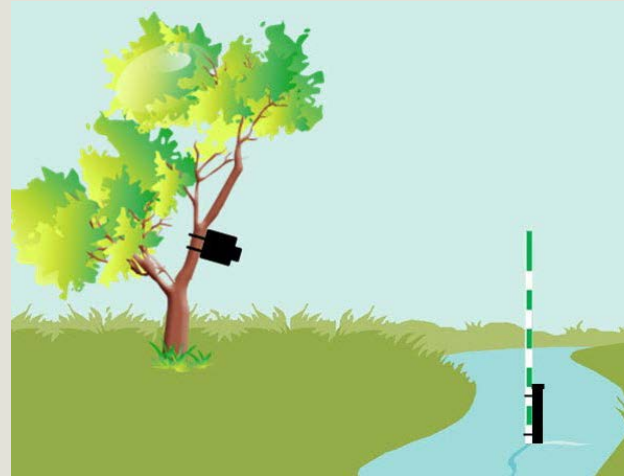


Delivering water and power™

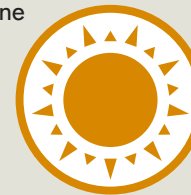
CAMERA ASSEMBLY AND ADAPTABILITY

3 CONFIGURATIONS AVAILABLE

SRP Flowtography was designed to capture timed images for comparison with electronic or static time series data for precise stage calibration and event analytics.

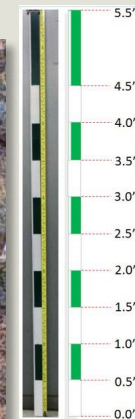


SRP Flowtopography units are stand-alone and solar-powered and collect images of event gages located within stream channels and their immediate surroundings.



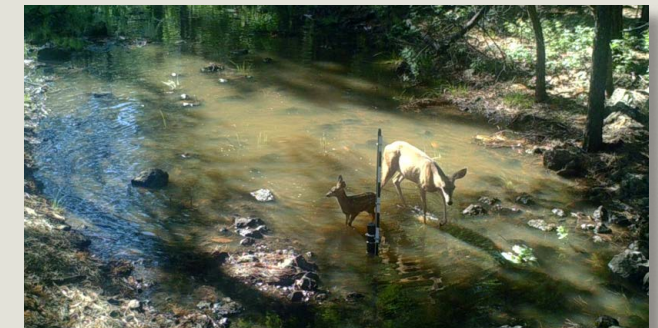
EVENT GAGES

Sites are installed with an upstream and/or downstream event gage with or without a pressure transducer.



WILDLIFE ACTIVITIES AND PATTERNS

Wildlife activities and patterns show insight into watershed health and environmental changes over time.



Organizational references of those utilizing this technology are available upon request.