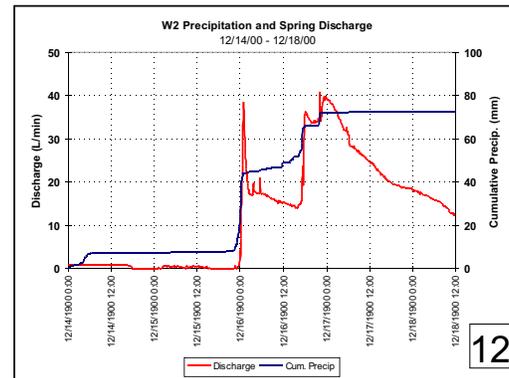


W2 Spring Instrumentation

Instrumentation of a spring at the North Unit - part of the experimental watershed development. Led to fruitful cooperative research with Georgia Institute of Technology (successful grant proposal) and EPA.



1. The W2 Spring prior to flume installation.
- 2 - 4. Excavation and dredging of channel. A drop had to be created for accurate flow measurement.
- 5 - 8. Various stages of flume installation. Retaining walls and animal exclusion device had to be built. Flume base was installed at original spring elevation.
9. Tipping bucket rain gauge and solar panel were installed uphill from spring.
10. Spring with flume, datalogger, and Sigma automated sampler installed.
11. Sampling with flow-through-centrifuge (*cryptosporidium* study with Georgia Tech).
12. Hydrograph created from recorded data.