



# Steven A. Gustafson

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## *Senior Hydrologist*



**Mr. Gustafson** is a Senior Hydrologist with WEST Consultants, Inc. Before joining WEST Consultants, Inc. Mr. Gustafson was employed for 19 years as a Senior Hydrologic Technician with the US Geological Survey, specializing in surface water and sediment data collection and analysis, instrumentation, gaging station design and construction, and hydrographic surveying. He measured and monitored hydrologic conditions of Mount St. Helens for over eight years. He held a supervisory position at USGS Tacoma field office for four years. He formed a surface water data collection business in October of 1995, and began working for it in January of 1996.

### **River Measurement, a Division of WEST Consultants, Inc., Vancouver, WA.**

- Responded to the needs of 22 federal, county, city, utility, tribal and private clients and maintained long-term client relations. Worked in six states.
- Designed and installed 47 continuous-record stream monitoring stations to measure stream flow, rehabilitated 2, and designed and installed 22 partial-record sites for a total of 71 sites.
- Conducted hundreds of stream-flow measurements, including indirect measurements of peak flow.
- Operated and maintained 31 streamflow gaging stations. Computed continuous surface water records including developing stage-discharge ratings.
- Installed instrumentation to measure continuous temperature and precipitation data.
- Acted as survey crew chief and the boat operator (for bridge scour, hydraulic studies and flood-plain mapping).
- Provided training and consulting to clients.
- Hired and supervised hydrologic and surveying staff. Prioritized safety and no injuries occurred in the ten years since starting the business.
- Reviewed products used for the collection and computation of hydrologic data. Selected, learned and used hydrologic instrumentation and software. Developed ongoing relationships with equipment vendors and made suggestions to them for improving their products.
- Marketed business through a variety of methods, including in-person meetings, phone, website, mailings, brochures and participation at conferences.
- Wrote numerous proposals and cost-estimates.
- Flexible to meet clients' needs while maintaining standards for collecting high-quality data.

### **Education**

*B.S. Geography  
University of Minnesota,  
Minneapolis*

### **Training**

*784 hours on subjects related to  
USGS employment*

### **Supervisor for USGS Tacoma, WA field office**

- Supervised, trained, planned and reviewed work of seven employees. Provided technical assistance to all who collected and analyzed surface water data. Ensured quality control of data collection procedures and surface water record computation.
- Planned new gaging stations for optimum location and instrumentation.
- Performed snow surveys.
- Coordinated activities with government and private cooperators.
- An author of USGS *Water-Resources Investigations Report 99-4215: Hydrologic Data Collected During the 1994 Lake Mills Drawdown Experiment, Elwha River, Washington.*
- Received Special Achievement Award in 1994.