

RESEARCH ABSTRACT

Principal Investigator(s): George R. Miller
Area Manager/Meteorologist in Charge
DOC, NOAA, National Weather Service
Forecast Office
5420 N.E. Marine Drive
Portland, Oregon 97218-1089
(503) 326-2340

Study Title: Mount St. Helens Data Network

Key Words: physical weather runoff hydrologic
meteorology precipitation rain gauges debris avalanche long-term studies

Abstract: After the eruption of Mount St. Helens, the National Weather Service placed a series of precipitation and river gauges around the mountain. This data network was put in operation to alert forecasters of heavy precipitation events and/or rapid rises on the Toutle and Cowlitz Rivers or rapid falls in lakes in proximity to the mountain. This paper explains that data network.

Type of Measurement(s): Wind (speed and direction), precipitation, lake and river levels.

Frequency of Measurement(s): This is an "event" system.

Data Storage: Columbia River Operational Hydro Meteorological System (CROHMS).

Long-term plans: Data available for collaborative efforts: No long term plans for research. This is a monitoring system.