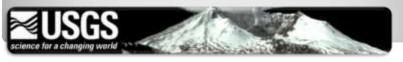




## CVO; 'Who we are and what we do'

- serve the public... live knowledgeably and safely... volcanoes and other natural hazards including... <u>floods</u> and debris flows
- goal is to provide accurate and timely information
- assess hazards before
  they occur by identifying
  and studying past
  hazardous events, their
  products, ages, and areas
  that would be affected by
  similar events in the
  future
- Study impact of... increased sediment transport on streams... and various other geologic or hydrologic processes on the landscape

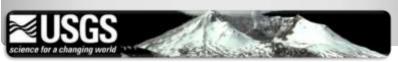


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## HYDROLOGIC

- Water quantity
  - Streams
  - Stream gauge/gage(s)
- Water quality
  - Temp, DO, pollution transport
- Channel cross sections (limited)



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## CVO 'HYDROLOGIC' **HYDROLOGIC** Water quantity Water quantity Streams Streams Stream gauge/gage(s) Stream gauge/gage(s) Water quantity Water quality **Sediment transport** Temp, DO, pollution Geomorphology transport Channel cross section Channel cross sections (extensive) (limited) · Long-term landscape evolution Debris flows/lahars





- Current channel locations?
- Historic channel locations?
- LiDAR data?
  - 'LiDAR maps'
    - · (PDF, TIFF, JPG)
  - Data
    - · ASCII, GRID
  - Dates?
  - Coverage?

- Temperature at Spirit lake?
- Elevation of cross section end points?
- Contributing terrain above each cross section?
  - (ie; watershed)
- HUC for old gage station?

**Questions?** 

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