

Hydraulics & Hydrology Tools



Virtual Site Visits

Virtual Site Visits Overview

Traditional in-person techniques for conducting and communicating site visit information do not utilize effective technology and require numerous staff on site. This strains project timelines due to limited staff availability and communication of findings to interested parties and the public in an equitable and accessible manner.

WSDOT in partnership with Natural Waters is pioneering a new approach utilizing various technology to create and share information collected during site visits in a virtual setting. Virtual Site Visits provide a tool which improves communication, transparency, and safety of site visit personnel.



Benefits of Virtual Site Visits:

- ✓ Utilizes various technology such as 360 photos and videos, drone imagery, 3D scans of site features, time-lapse imagery, LiDAR, and other pertinent data and files.
- ✓ Viewable through a desktop computer or a virtual reality headset.
- ✓ Accessible by internal and external users. This includes WSDOT Staff, contractors, consultants, co-managers (including Tribes and other state and federal agencies), and stakeholders.

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“Virtual site visits on streams are like SRView on the highways”

– Julie Heilman



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