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Stanford Gibson is the sediment specialist at the Hydrologic Engineering Center (HEC) where he has worked for over ten years. He is responsible for implementing the sediment transport capabilities in the Corps' open channel hydraulics model, HEC-RAS. Stanford is also deeply engaged in sediment project work performing sediment, hydrodynamic, and statistical analysis in support of restoration, flood damage reduction, and navigation projects. Recently he has developed or directly supported development of sediment models on the Cowlitz, Kootenai, Russian, San Lorenzo, Missouri, Fargo, Cattaraugus, Cuyahoga, and Arghandab river systems. He is a member of the Corps' River Engineering and Restoration technical advisory committee and his areas of interest and expertise include sediment modeling, ecogeomorphology, dam removal analysis, hydraulic modeling, and GIS. Stanford has a Ph.D. in Hydraulic Engineering from UC Davis, an M.S. in Geotechnical and Hydraulic Engineering from the University of Wisconsin and is currently conducting graduate studies at UC Davis in Restoration Ecology.

