MontanaTech
THE UNIVERSITY OF MONTANA

RESTORATION SEMINAR

Grove Gulch Feasibility Study

Grove Gulch is a small, historically modified, mine waste influenced, urban stream that flows southwest of Butte and drains into the Blacktail Creek. Grove Gulch drains primarily open range, a historic metal milling site (Timber Butte zinc mill) and a reclaimed mine waste repository (Copper Mountain Recreational Complex). Mine waste in the watershed has led to significant inputs of metals into the stream. This presentation will discuss (1) heavy metal characterization of Grove Gulch watershed, (2) heavy metal source(s) identification, and (3) remedial alternatives evaluation. In addition, the presentation will also briefly discuss biological coating of mine tailings to prevent leaching of metals.

Raja M. Nagisetty, Ph.D., P.E., is an Associate Professor of Environmental Engineering at Montana Technological University. Raja's research interests include modeling fate and transport of contaminants in streams, designing best management practices to improve the surface water quality and soil remediation. Loran Brooks is a graduate student in the Department of Environmental Engineering.

RAJA M. NAGISETTY

Montana Tech, Butte

Time: Wednesday, Feb 20, 2019 4:00-4:50 pm

Location: Montana Tech (1300 Park St); CBB 102 (Chemistry and Biology Building)

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