Potential Spring High Flow Experiment (HFE) – Status of Resources and Experimental Plan

Technical Work Group Meeting
January 15, 2020

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U.S. Department of the Interior
U.S. Geological Survey
Marble Canyon Sand Mass Balance

Upper Marble Canyon

Lower Marble Canyon


(https://www.gcmrc.gov/discharge_qw_sediment/reach/GCDAMP/09380000/09383050,
https://www.gcmrc.gov/discharge_qw_sediment/reach/GCDAMP/09383050/09383100)

Jan. 15, 2020
Sand Budget Model Results

Sand Budget Model Results, Dec 2019-May 31, 2020
Release and Calculated Sediment Load in Colorado River, Marble Canyon

The model indicates that currently there is not sufficient sediment to support and HFE.

Plot courtesy Keri Stout, USBR
Monitoring

- Resource monitoring as outlined in FY2018-20 Triennial Workplan
  - Sediment transport and discharge
    - Additional spring sediment monitoring trip
  - Sandbars
  - Native and nonnative fishes
  - Aquatic foodbase
  - Riparian vegetation
  - Cultural resources