

LESSENING THE LOAD

2024 Pilot Project to Provide Data for Building Plan Report from the Missouri Sedimentation Action Coalition (MSAC)

For five days in late summer 2024, a 12-foot sediment collector will divert sediment traveling on the Niobrara River to shore. The collected sediment can then be used for road maintenance, construction or other activities. The material is expected to be available to the public.

The US Army Corps of Engineers (USACE) - Omaha District in collaboration with the Corps' ERDC Environmental Lab will conduct the pilot project. USACE has been partnering with the Missouri Sedimentation Action Coalition to develop a Sediment Management Plan for the Lewis and Clark Lake region.

Lessening the load of sediment entering the Lewis and Clark Lake and delta area can be part of a multi-prong effort to sustaining the reservoir's benefits and reducing local impacts.



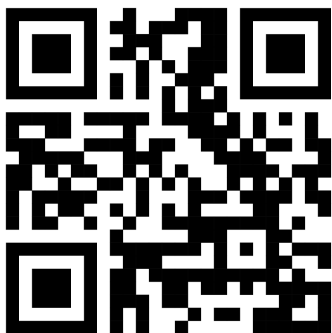
Components of the Sediment Collector™ at the Fountain Creek, CO install (Tucker et al., 2015)
MSAC utilized information from the Omaha District's RSM program proposal for portions of this report.



This small-scale, short-term pilot project will provide more specific production and sediment capture rates which will be necessary to estimate the footprint and cost of a larger scale installation.



Finding long-term beneficial uses for the harvested sediment of a large-scale project is important to seeing it happen. Lessening the load of sediment entering the Lewis and Clark Lake and delta area can be part of a multi-prong effort to sustaining the reservoir's water storage capacity.



More Details Will Be Available Soon

Interested in harvested sand or in learning more? Sign up by clicking the QR code to receive more details. Watch local news reports & www.keepitwater.org.

Missouri Sedimentation Action Coalition does not and shall not discriminate on the basis of race, color, religion (creed), gender, gender expression, age, national origin (ancestry), disability, marital status, sexual orientation, or military status, in any of its activities or operations. These activities include, but are not limited to, the appointment to and termination from its Board of Directors, hiring and firing of staff or contractors, selection of volunteers, selection of vendors, and providing of services.

LESSENING THE LOAD



A bedload collector system has the potential of reducing sedimentation impacts in the Lewis and Clark Lake region.

WATCH LOCAL NEWSPAPERS, FACEBOOK & WWW.KEEPITWATER.ORG FOR DETAILS ON THE PILOT PROJECT SCHEDULED FOR LATE SUMMER 2024 & FUTURE DEVELOPMENTS.

EXPLORE BEDLOAD COLLECTORS



to lessen the load

1-week test conducted by USACE - Omaha District & ERDC on the Niobrara River just west of Niobrara off HWY 12.



Investigate beneficial uses for sediment to support an efficient sustainable system.



Tributaries to the lake are experiencing a worsening aggradation.



More than 50% of the sediment entering Lewis & Clark Lake comes from the Niobrara River.



Engage partners in brainstorming beneficial uses for further investigation.



50% of the designed water storage at Lewis & Clark Lake will be full of sediment by the year 2045.



Lessening the sediment load from the tributaries works to extend reservoirs' lifespan & benefits.



Building a sediment management plan for the region to support sustainable water resources.

