

Sediment Watershed Plan for the Shoshone River from Buffalo Bill Reservoir to Willwood Dam

Additional Information

Milestone Table

Last updated: August 26, 2019

	Administration	Implementation	Monitoring	Education/Outreach
2019	<p>Evaluate opportunities to find resources to support a watershed coordinator.</p> <ul style="list-style-type: none"> Discuss currently available resources, including those that can be used as nonfederal match for grants Identify entity(ies) able to support coordinator position(s) Identify potential grants that can support coordinator positions; submit applications as appropriate Leverage opportunities to support local funding for conservation districts 	<p>Contact irrigation districts to determine the status of proposed irrigation infrastructure projects that would reduce erosion and sedimentation.</p> <ul style="list-style-type: none"> Contact Lakeview Irrigation District to determine if financial or technical resources are needed to help move a proposed project forward that would pipe water to users and eliminate spilling of irrigation water into Sulphur Creek. Contact Cody Irrigation District to determine if financial or technical resources are needed to assist with potential plans to pipe water to users to eliminate spilling of water into Homesteader and Sage Creeks. <p>Continue NRCS conservation planning and practice implementation.</p> <p>In general, priority tributaries for implementation are Sage Creek, Sulphur Creek, and Dry/Homesteader Creek.</p>	<p>Coordinate to use currently available grant funding (DEQ-319) to complete analysis of tributary sediment samples collected in 2018 and to plan analysis costs for future samples (USGS, DEQ, WGFD).</p> <p>Continue tributary sediment monitoring</p> <ul style="list-style-type: none"> Continued SSC/bedload monitoring at existing sites (Sage, Sulphur, Dry/Homesteader, Cottonwood, Idaho) Increase the number of agency/organization staff and volunteers helping with tributary sediment data collection and operation of ISCOs <p>Complete Sampling and Analysis Plan for monitoring activities; complete QAQC review of existing data.</p> <p>Complete a site investigation at inactive bentonite mines in Sulphur Creek to determine if it can be visually confirmed whether sediment from the mines is reaching Sulphur Creek or a tributary.</p> <p>Coordinate with UW on potential ISCO equipment for 2020.</p>	<p>Rollout of watershed plan to the public and targeted interest groups.</p> <ul style="list-style-type: none"> Willwood Executive Committee Irrigation Districts Trout Unlimited, The Nature Conservancy County Commissioners, local elected officials Public meeting Other groups as needed <p>Evaluate opportunities to get assistance from a marketing coordinator to help promote ideas and projects developed by Willwood Working Group 3 and build support for local conservation district funding</p> <ul style="list-style-type: none"> Research opportunities through the LOR Foundation Contact Wyoming tourism boards and associations
2020	<p>Continue efforts to find resources to support a watershed coordinator if this activity is not completed in 2019 (see above).</p> <p>Hold biannual work group meetings (CCD chair)</p> <ul style="list-style-type: none"> Identify responsible parties for upcoming tasks Update watershed plan as needed Update milestone table as needed Provide report of progress to Executive Committee At 2nd meeting, elect chair for 2021 	<p>Pending responses from irrigation districts (see above), assist with finding technical and financial resources for irrigation infrastructure projects.</p> <p>Facilitate discussion with irrigation districts, management agencies, and other stakeholders to evaluate solutions to sediment release from Iron Creek. Ask for assistance from management agencies to do this outreach.</p> <p>Pending results of site investigation (see above, Monitoring), evaluate opportunities for sediment reduction at the inactive bentonite mines in the Sulphur Creek watershed.</p> <p>Continue NRCS conservation planning and practice implementation.</p> <p>In general, priority tributaries for implementation are Sage Creek, Sulphur Creek, and Dry/Homesteader Creek. The working group will continue to research these watersheds and will work with landowners and agencies within these watersheds to develop project implementation ideas to be discussed at the 1st meeting of 2020.</p> <p>Identify priority projects/action items for next year.</p>	<p>Continued tributary sediment data collection</p> <ul style="list-style-type: none"> Continued SSC/bedload collection (Dry/Homesteader, Cottonwood, and Idaho) Expand SSC/bedload collection (Iron Creek and McCullough Peaks) Continued ISCO operation (Sulphur, Sage, McCullough Peaks) Expand ISCOs (Dry/Homesteader, Idaho, Cottonwood, Iron) <p>Start in-depth data analysis of available data.</p> <p>Determine whether additional USGS hydroacoustic equipment should be pursued for upstream Shoshone River sites; if pursued, research funding opportunities and submit applications as needed.</p> <p>Encourage related research through the Water Research Program.</p>	<p>Continue presentation of plan to interest groups and the public as needed.</p> <p>Evaluate completed projects and determine if any of them can be promoted to raise public awareness and support for other projects.</p> <p>Host summer 2020 field tour and target this tour toward agencies and organizations who represent potential funding sources.</p>

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2021	<p>Hold biannual work group meetings</p> <ul style="list-style-type: none"> Identify responsible parties for upcoming tasks Update watershed plan as needed Update milestone table as needed Provide report of progress to Executive Committee At 2nd meeting, elect chair for 2022 	<p>*Update Implementation activities based on progress made in previous years and new identified priorities</p> <p>Continue NRCS conservation planning and practice implementation.</p> <p>Identify priority projects/action items for next year.</p>	<p>Continued tributary sediment data collection</p> <ul style="list-style-type: none"> Continued SSC/bedload collection (Dry/Homesteader, Cottonwood, Idaho, Iron, McCullough Peaks) Continued ISCO operation (Sulphur, Sage, McCullough Peaks, Dry/Homesteader, Idaho, Cottonwood, Iron) <p>Continue in-depth data analysis of available data.</p> <p>Identify water quality professionals who specialize in sediment research and modeling; invite them to work group meetings and field tours to start discussing potential model development. Include UW in this effort.</p>	<p>Continue presentation of plan to interest groups and the public as needed.</p> <p>Evaluate completed projects and determine if any of them can be promoted to raise public awareness and support for other projects.</p> <p>Host workshop on reducing recreational impacts on roads/trails in McCullough Peaks.</p>
2022	<p>Hold biannual work group meetings</p> <ul style="list-style-type: none"> Identify responsible parties for upcoming tasks Update watershed plan as needed Update milestone table as needed Provide report of progress to Executive Committee At 2nd meeting, elect chair for 2023 	<p>*Update Implementation activities based on progress made in previous years and new identified priorities</p> <p>Continue NRCS conservation planning and practice implementation.</p> <p>Identify priority projects/action items for next year.</p>	<p>Continued tributary sediment data collection</p> <ul style="list-style-type: none"> Continued SSC/bedload collection (Iron, McCullough Peaks) Continued ISCO operation (Sulphur, Sage, McCullough Peaks, Dry/Homesteader, Idaho, Cottonwood, Iron) <p>Continue in-depth data analysis of available data.</p> <p>Continue working with water quality professionals to evaluate sediment modeling options; research potential funding opportunities.</p>	<p>Continue presentation of plan to interest groups and the public as needed.</p> <p>Evaluate completed projects and determine if any of them can be promoted to raise public awareness and support for other projects.</p>
2023	<p>Hold biannual work group meetings</p> <ul style="list-style-type: none"> Identify responsible parties for upcoming tasks Update watershed plan as needed Update milestone table as needed Provide report of progress to Executive Committee At 2nd meeting, elect chair for 2024 	<p>*Update Implementation activities based on progress made in previous years and new identified priorities</p> <p>Continue NRCS conservation planning and practice implementation.</p> <p>Identify priority projects/action items for next year.</p>	<p>Continued tributary sediment data collection</p> <ul style="list-style-type: none"> Continued ISCO operation (Sulphur, Sage, McCullough Peaks, Dry/Homesteader, Idaho, Cottonwood, Iron) <p>Continue in-depth data analysis of available data.</p>	<p>Continue presentation of plan to interest groups and the public as needed.</p> <p>Evaluate completed projects and determine if any of them can be promoted to raise public awareness and support for other projects.</p>
2024	<p>Hold biannual work group meetings</p> <ul style="list-style-type: none"> Identify responsible parties for upcoming tasks Update watershed plan as needed Update milestone table as needed Provide report of progress to Executive Committee At 2nd meeting, elect chair for 2025 	<p>*Update Implementation activities based on progress made in previous years and new identified priorities</p> <p>Continue NRCS conservation planning and practice implementation.</p> <p>Identify priority projects/action items for next year.</p>	<p>Continued tributary sediment data collection</p> <ul style="list-style-type: none"> Continued ISCO operation (Sulphur, Sage, McCullough Peaks, Dry/Homesteader, Idaho, Cottonwood, Iron) <p>Complete data analysis and provide compiled report.</p> <p>Apply for grant funds or seek agency funding to complete watershed sediment model.</p>	<p>Continue presentation of plan to interest groups and the public as needed.</p> <p>Evaluate completed projects and determine if any of them can be promoted to raise public awareness and support for other projects.</p>

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2025	Hold biannual work group meetings <ul style="list-style-type: none"> • Identify responsible parties for upcoming tasks • Update watershed plan as needed • Update milestone table as needed • Provide report of progress to Executive Committee • At 2nd meeting, elect chair for 2026 	*Update Implementation activities based on progress made in previous years and new identified priorities Continue NRCS conservation planning and practice implementation. Identify priority projects/action items for next year.	Manage sediment modeling effort; once complete, incorporate results into watershed plan.	Continue presentation of plan to interest groups and the public as needed. Evaluate completed projects and determine if any of them can be promoted to raise public awareness and support for other projects.