

**GLEN CANYON DAM ADAPTIVE MANAGEMENT WORK GROUP
Action Item Tracking Report**

Note: Items marked “Closed” will be removed from the next iteration of the report.

ITEM No. / DATE	ACTION ITEM	ASSIGNED To / DUE DATE	STATUS
Item 2017.Sep.01	<p>At its next meeting, AMWG will consider a process for planning for the next 20 years of LTEMP.</p> <p><u>February 2018 update:</u> This will be addressed through the development of monitoring metrics and by the streamlining of GCDAMP guiding documents as described in the LTEMP ROD.</p> <p><u>August 2019 Update:</u> This action item will move forward as directed and informed by the Guidance Memo issued by the Secretary’s Designee in August 2019.</p> <p><u>May 2020 Update:</u> The draft FY21-23 budget and workplan includes funding support to develop and track monitoring metrics and and to streamline guidance documents. Beginning Oct 20, Reclamation and GCMRC will initiate review of the LTEMP FEIS metrics. This work will be a focus for FY21, but will likely be ongoing through the FY21-23 TWP.</p> <p>...</p> <p><u>May 2021 Update:</u> GCMRC and Reclamation are working to define the scope of the metrics development effort, propose a list of existing and new metrics for consideration, and develop criteria to evaluate the metrics. Will seek Secretary’s Designee input and TWG feedback on proposed plan later in 2021.</p> <p><u>August 2021 Update:</u> A draft project plan, including objectives and timeline, was distributed in early June 2021 for review and input. GCMRC is addressing TWG comments. A status update will be presented during the August AMWG meeting and member feedback requested.</p> <p><u>February 2022 Update:</u> The GCMRC developed several draft metrics and pilot presentations concurrently with the 2021 Annual Report. The draft metrics are currently in review with DOI bureaus and leadership, prior to further review and discussion by the Technical Work Group.</p> <p><u>May 2022 Update:</u> The GCMRC developed several draft metrics and pilot presentations concurrently with the 2022 Annual Report. The draft metrics are currently in review with</p>	Reclamation / ongoing	Open

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	<p>DOI bureaus and leadership, prior to further review and discussion by the Technical Work Group.</p> <p><u>Aug 2022 update:</u> The GCMRC developed several draft metrics and distributed for AMP review. Stakeholders revisited the GCDAMP guiding principles on the 2022 Stakeholder River Trip.</p> <p><u>Feb 2023 update:</u> The GCMRC developed several draft metrics and presented at the 2023 Annual Reporting Meeting. Rollout to the GCDAMP website is planned for 2023 after DOI meetings.</p> <p><u>May 2023 update:</u> The GCMRC developed several draft metrics and presented at the 2023 Annual Reporting Meeting. Rollout to the GCDAMP website is planned for 2023 after DOI meetings.</p> <p><u>August 2023 update:</u> The GCMRC is finalizing monitoring metrics report. Developed several draft metrics and presented at the 2023 Annual Reporting Meeting. Rollout of individual metrics to the GCDAMP website will begin in late 2023/early 2024.</p>		
Item 2020.Dec.22	<p>In accordance with the 2021-2023 Triennial Budget and Work Plan approved by the Secretary of the Interior on December 22, 2020: “Due to uncertainties in future funding levels, prioritization of projects outlined in the FY2021-2023 TWP is necessary and will be undertaken by the GCDAMP during FY2021. Project priorities may change over time based on hydrology, resource conditions, evolving scientific understanding and uncertainties, administration objectives and other factors.”</p> <p><u>February 2022 update:</u> DOI Bureaus have identified high priority activities that support compliance with GCPA, NHPA, ESA, and NEPA. Following review by DOI leadership, Feb/Mar 2022 is targeted for sharing with the Budget Ad Hoc Group.</p> <p><u>May 2022 update:</u> DOI Bureaus have identified high priority activities that support compliance with GCPA, NHPA, ESA, and NEPA. Following review by DOI leadership, distribution is targeted for sharing with the Budget Ad Hoc Group by development of the next TWP.</p> <p><u>August 2022 and February 2023 updates:</u> DOI Bureaus have identified high priority activities that support compliance with</p>	All / ongoing	Open

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	<p>GCPA, NHPA, ESA, and NEPA. Prioritization information will be shared with the Budget Ad Hoc Group in table form during BAHG discussions in 2023.</p> <p><u>May 2023 updates:</u> DOI Bureaus have identified high priority activities that support compliance with GCPA, NHPA, ESA, and NEPA. Prioritization information will be shared with the Budget Ad Hoc Group as we prepare for the next triennial workplan FY25-27.</p> <p><u>August 2023 updates:</u> DOI Bureaus have identified high priority activities that support compliance with GCPA, NHPA, ESA, and NEPA. Prioritization information will be shared with the Budget Ad Hoc Group in winter 2023/2024 as we prepare for the next triennial workplan FY25-27.</p>		
Item 2022.May.18	<p>The Secretary's Designee directs Reclamation and GCMRC to work with the TWG regarding the following:</p> <ul style="list-style-type: none"> • Develop a draft strategic plan to prevent, detect, and respond to cool- and warmwater invasive fish establishment below Glen Canyon Dam. The plan should include proposed monitoring, specific activities to be considered for prevention and response, along with their relative effectiveness, detection thresholds (“triggers”) for action, and conditions for discontinuing response activities (e.g. due to success, futility, resource limitations, etc.). • Develop 2-4 operational alternatives that could help prevent cool- and warmwater invasive fish establishment, while minimizing potential adverse effects to other resources. Operational alternatives that are not within the scope of the LTEMP ROD may be proposed, but would require additional NEPA, ESA, and NHPA compliance. <p>Reclamation, GCMRC and the TWG will report out at the August AMWG meeting on the draft strategic plan and operational alternatives, and the AMWG may recommend further action or study.</p> <p>As a starting point, GCMRC will leverage information and products from existing research and monitoring efforts within the GCDAMP, as well as from the Smallmouth Bass Task Force. Unspent FY 2022 funds from Reclamation Project C.5,</p>	GCMRC, Reclamation, TWG / August 2022	Closed

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	<p><i>Experimental Management Fund</i>, may be utilized to support GCMRC staff time for this effort.</p> <p><u>May 2022 update</u>: Reclamation, GCMRC and TWG leadership acknowledged and accepted the directive.</p> <p><u>August 2022 update</u>: GCMRC presented operational alternatives at the August AMWG meeting.</p> <p><u>February 2023 update</u>: The draft Non-native Fish Strategic Plan was developed by the Smallmouth Bass Ad Hoc Group and provided to the AMWG at the January 2023 TWG meeting. Operational alternatives were incorporated into a SMB Flows EA by Reclamation.</p>		
Item 2022.Aug.18	<p>The Secretary's Designee proposed for the GCDAMP to undertake activities to address the following five action areas:</p> <ol style="list-style-type: none"> 1) Evaluation of High-flow Experiments under Low-elevations/Low-flows. 2) Evaluation of Downstream Resource Impacts under Low-Elevations/Low-flows. 3) Continue drafting Nonnative Fish Strategic Plan. 4) NEPA Compliance for Operational Flexibilities to Address Nonnative Fish 5) Planning to Evaluate Exclusion Projects. <p><u>February 2023 update</u>:</p> <p>1) GCMRC provided analysis to the GCDAMP via email and at the 2023 ARM, 2) Evaluation is being completed through SEIS analysis/modeling, 3) A draft was provided to AMWG by TWG for consideration, 4) a draft EA prepared by Reclamation, and 5) an engineering team assembled a subject matter expert panel and is pursuing design of a forebay net barrier.</p> <p><u>May 2023 update</u>:</p> <p>1) GCMRC provided analysis to the GCDAMP via email and at the 2023 ARM, 2) Evaluation is being completed through SEIS analysis/modeling, 3) Strategic plan was recommended to the Secretary of the Interior for Adoption, 4) a draft EA prepared by Reclamation, and 5) an engineering team assembled a subject matter expert panel and is pursuing design of a forebay net barrier.</p> <p><u>August 2023 update</u>:</p>	GCMRC, Reclamation , TWG / February 2023	Open

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	<p>1) GCMRC provided analysis to the GCDAMP via email and at the 2023 ARM. The TWG through the FLAHG is developing a proposal to address sediment accounting and implementation. 2) Evaluation is being completed through SEIS analysis/modeling, 3) Strategic plan was recommended to the Secretary of the Interior for Adoption. This task is complete and implementation updates are being provided at TWG and AMWG meetings, 4) draft EA was prepared and is now being transitioned into a supplemental EIS to LTEMP, and 5) an engineering team assembled a subject matter expert panel and is investigating design option for a forebay net barrier.</p>		