

Memo

To: AMWG members
From: Ad Hoc Committee on Strategic Planning
Date: March 14, 2001
Re: Recommendation from this Committee and the Technical Work Group

The Ad Hoc Committee on Strategic Planning is pleased to report that the Technical Work Group concurs with its recommendation that you approve, in July, the Goals and MOs as you have in your April 2001 meeting packet, with the revisions attached to this memorandum.

The vote at the March 2001 TWG meeting was unanimous.

Goal 8. Maintain or attain levels of sediment storage within the main channel and along shorelines to achieve GCDAMP ecosystem goals.

NOTE FOR GOAL 8: The phrase, "to achieve GCDAMP ecosystem goals," indicates that this goal is a method to achieve certain other goals. In this case, "ecosystem goals" includes biological goals, recreational goals, and the cultural goal.

MO #	Perform some action	On some element	On some attribute	At some place	From the current level	To the target level	Comments
<p>The target for Goal 8 is enough sediment to achieve the biological, recreational, and cultural goals. Given limited sediment inputs, we need to retain enough sediment in the system to achieve ecosystem patterns in these goals). For the biological goals, the purposes are habitat and nutrient storage. For the cultural goal, the purposes are enhancing plant habitat and preserving historical properties. For recreational goals, the purposes are camping beaches and trout spawning habitat. <u>Linkages</u>: Recreational, biological, and cultural goals: 1-4, 7-10, and 12.</p>							
8.1	Maintain or attain	Fine sediment	Abundance	Main channel below <u>5,000</u> 8,000 cfs	Information Need	Current volumes or higher (trend), including some timeframe based on tributary inputs and high flows timing (Information Need).	Metric is volume (m ³) as a rolling average. The target level should consider spawning habitat for trout in Glen Canyon and sediment needed for BHBFS.
			Grain-size		Information Need	Current level or finer (trend), including some timeframe based on reach, tributary inputs and high flows timing (Information Need).	Metric is D50 (median) grain size. Also, see Kondolf. ⁽¹⁶⁾ The target level should consider spawning habitat for trout in Glen Canyon and sediment needed for BHBFS.
			Distribution		Information Need Current level to be obtained from side scan sonar and video (Anima) and/or multi-beam.	Current level or more areally extensive (trend), including some timeframe based on tributary inputs and high flows timing (Information Need).	Metric is patchiness and area (m ²) of sand on channel bottom. The target level should consider spawning habitat for trout in Glen Canyon and sediment needed for BHBFS.

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8.2	Maintain or attain	Fine sediment	Abundance	Channel margins (not eddies) from 5,000 to 25,000 cfs	Information Need	Information Need, including some timeframe based on tributary inputs and high flows timing.	Metric is area (m ²) and volume (m ³) as a rolling average. The target level should consider spawning habitat for trout in Glen Canyon and sediment needed for BHBFs.
			Grain-size		Information Need	Information Need, including some timeframe based on tributary inputs and high flows timing.	Also, see Kondolf. The target level should consider spawning habitat for trout in Glen Canyon and sediment needed for BHBFs.
			Distribution		Information Need	Information Need, including some timeframe based on tributary inputs and high flows timing.	Metric is number of sandbars by reach. The target level should consider spawning habitat for trout in Glen Canyon and sediment needed for BHBFs.

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8.3	Maintain or attain	Fine sediment	Abundance	Eddies below 5,000-25,000 cfs	Information Need	Information Need, including some timeframe based on tributary inputs and high flows timing.	Metric is area (m ²) and volume (m ³) as a rolling average. The target level should consider spawning habitat for trout in Glen Canyon and sediment needed for BHBFs.
			Grain-size		Information Need	Information Need, including some timeframe based on tributary inputs and high flows timing	The target level should consider spawning habitat for trout in Glen Canyon and sediment needed for BHBFs.
			Distribution		Information Need	Information Need, including some timeframe based on tributary inputs and high flows timing.	Metric is # of sandbars by reach. The target level should consider spawning habitat for trout in Glen Canyon and sediment needed for BHBFs.
8.4	Maintain or attain	Fine sediment	Abundance	Eddies between 5,000 and 25,000 cfs	Information Need	Information Need, including some timeframe based on tributary inputs and high flows timing.	Metric is area (m ²) and volume (m ³) as a rolling average. The target level should consider spawning habitat for trout in Glen Canyon and sediment needed for BHBFs.
			Grain-size		Information Need	Information Need, including some timeframe based on tributary inputs and high flows timing	The target level should consider spawning habitat for trout in Glen Canyon and sediment needed for BHBFs.
			Distribution		Information Need	Information Need, including some timeframe based on tributary inputs and high flows timing.	Metric is # of sandbars by reach. The target level should consider spawning habitat for trout in Glen Canyon and sediment needed for BHBFs.

Goal 9. Maintain or improve the quality of recreational experiences for users of the Colorado River ecosystem, within the framework of GCDAMP ecosystem goals.

NOTE FOR GOAL 9: The phrase, "within the framework of GCDAMP ecosystem goals," is intended to indicate a hierarchy or order of precedence. That is, the accomplishment of this goal should be undertaken in such a way that the likelihood of achieving the biological goals and the cultural goal is not impaired.

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9.5	Maintain or enhance	Experience	Wilderness	CRE in Grand Canyon National Park	Information Need	Information Need See GRCA data on use levels and distribution.	See Bishop, et al. (1986) for flow-related wilderness. Metric to include parameters for primitive character, unconfined experience, undeveloped natural and wild character, opportunities for solitude, sounds of nature and scenic beauty. The target level should consider GRCA and GLCA Management Plans (in progress).
				CRE below GCD in Glen Canyon NRA	Information Need	Information Need See GLCA data on use levels and distribution.	