**AMP Vision and Mission**

**Revised July 2022**

The Grand Canyon is a homeland for some, sacred to many, and a national treasure for all. In honor of past generations, and on behalf of those of the present and future, we envision an ecosystem where the resources and natural processes are in harmony under a stewardship worthy of the Grand Canyon.

We advise the Secretary of the Interior on how best to protect, mitigate adverse impacts to, and improve the integrity of the Colorado River ecosystem affected by Glen Canyon Dam, including natural biological diversity (emphasizing native biodiversity), traditional cultural properties, spiritual values, and cultural, physical, and recreational resources through the operation of Glen Canyon Dam and other means.

We do so in keeping with the federal trust responsibilities to Indian tribes, in compliance with applicable federal, state, and tribal laws, including the water delivery obligations of the Law of the River, and with due consideration to the economic value of power resources.

This will be accomplished through our long-term partnership utilizing the best available science, traditional cultural knowledge, and other information through an adaptive ecosystem management process.

An adaptive management program should include an ecosystem approach.

The Glen Canyon Dam Adaptive Management Work Group embraces the following Principles. They guided development of the Goals and Objectives for the Glen Canyon Dam Adaptive Management Program (GCDAMP).

**Principles:**

1. The Goals represent a set of desired outcomes that together will accomplish our Vision and achieve the purpose of the Grand Canyon Protection Act. Some of the Objectives and actions that fall under these Goals may not be the responsibility of the GCDAMP, and may be funded by other sources, but are included here for completeness.
2. The construction of Glen Canyon Dam and the introduction of non-native species have irreversibly changed the Colorado River ecosystem.
3. Much remains unknown about the Colorado River ecosystem below Glen Canyon Dam and how to achieve GCDAMP ecosystem Goals.
4. The adaptive ecosystem management approach should integrate science, traditional cultural ecological knowledge, and other information.
5. The Colorado River ecosystem is a managed ecosystem. An adaptive ecosystem management approach will guide our efforts.
6. Management efforts will prevent any further human-induced extirpation or extinction of native species.
7. An adaptive management approach will be used to achieve GCDAMP ecosystem goals. We will meet the intent of the GCPA through experimental management actions, monitoring in accordance with the ROD and other applicable laws, and use monitoring data to further the AMP adaptive ecosystem management mission.
8. Experiments and actions recommended by the AMWG will be designed to benefit multiple, rather than single resources. This approach should not unacceptably impact natural and cultural, tribal interests, recreation, and hydropower resources. Where possible, we will work to rehabilitate the native population, natural habitats, and ecosystem dynamics to their ranges of natural variability.
9. Respect and enhance the unique spiritual and aesthetic values of the Grand Canyon to and for all people by providing meaningful opportunities for input and striving for consensus on management recommendations to the Secretary of the interior from stakeholders.
10. Develop and implement a defined process to address emerging issues expeditiously. When an emerging issue arises, the concern could be presented to the SCAHG. The SCAHG would have the responsibility to vet the concern and determine appropriate next steps.

Or AMWG will address emerging issues expeditiously.

Additional AMP Principles Suggested

12. The intent of these Principles to achieve AMP goals and objectives.

13. Engage all collaborating Tribes and non-federal partners in discussion of any issue from the beginning of recognition of that issue.

14.    The AMP will work to achieve the LTEMP goals including setting goals and objectives for each item

**Original AMP Goals (2001-2015; subsequently replaced by LTEMP goals)**

1. Protect or improve the aquatic foodbase so that it will support viable populations of desired species at higher trophic levels.
2. Maintain or attain viable populations of existing native fish, and remove jeopardy from humpback chub and razorback sucker, and prevent adverse modification to its critical habitat.
3. Restore populations of extirpated species, as feasible and advisable.
4. Maintain a wild reproducing population of rainbow trout above the Paria River, to the extent practicable and consistent with the maintenance of viable populations of native fish.
5. Maintain or attain viable populations of Kanab ambersnail.
6. Protect or improve the biotic riparian and spring communities, including threatened and endangered species and their critical habitat.
7. Establish water temperature, quality, and flow dynamics to achieve GCDAMP ecosystem goals.
8. Maintain or attain levels of sediment storage within the main channel and along shorelines to achieve GCDAMP ecosystem goals.
9. Maintain or improve the quality of recreational experiences for users of the Colorado River ecosystem, within the framework of GCDAMP ecosystem goals.
10. Maintain power production capacity and energy generation, and increase where feasible and advisable, within the framework of GCDAMP ecosystem goals.
11. Preserve, protect, manage, and treat cultural resources for the inspiration and benefit of past, present and future generations.
12. Maintain a high-quality monitoring, research, and adaptive management program.

**LTEMP Goals (2016-present)**

**1. Archaeological and Cultural Resources**. Maintain the integrity of potentially affected NRHP-eligible or listed historic properties in place, where possible, with preservation methods employed on a site-specific basis.

**2. Natural Processes**. Restore, to the extent practicable, ecological patterns and processes within their range of natural variability, including the natural abundance, diversity, and genetic and ecological integrity of the plant and animal species native to those ecosystems.

**3. Humpback Chub**. Meet humpback chub recovery goals, including maintaining a self-sustaining population, spawning habitat, and aggregations in the Colorado River and its tributaries below the Glen Canyon Dam.

**4. Hydropower and Energy**. Maintain or increase Glen Canyon Dam electric energy generation, load following capability, and ramp rate capability, and minimize emissions and costs to the greatest extent practicable, consistent with improvement and long-term sustainability of downstream resources.

**5. Other Native Fish**. Maintain self-sustaining native fish species populations and their habitats in their natural ranges on the Colorado River and its tributaries.

**6. Recreational Experience**. Maintain and improve the quality of recreational experiences for the users of the Colorado River Ecosystem. Recreation includes, but is not limited to, flatwater and whitewater boating, river corridor camping, and angling in Glen Canyon.

**7. Sediment**. Increase and retain fine sediment volume, area, and distribution in the Glen, Marble, and Grand Canyon reaches above the elevation of the average base flow for ecological, cultural, and recreational purposes.

**8. Tribal Resources**. Maintain the diverse values and resources of traditionally associated Tribes along the Colorado River corridor through Glen, Marble, and Grand Canyons.

**9. Rainbow Trout Fishery**. Achieve a healthy high-quality recreational rainbow trout fishery in GCNRA and reduce or eliminate downstream trout migration consistent with NPS fish management and ESA compliance.

**10. Nonnative Invasive Species**. Minimize or reduce the presence and expansion of aquatic nonnative invasive species.

**11. Riparian Vegetation**. Maintain native vegetation and wildlife habitat, in various stages of maturity, such that they are diverse, healthy, productive, self-sustaining, and ecologically appropriate.