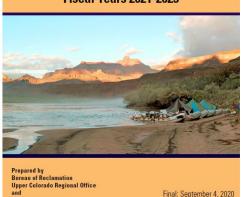


# GCDAMP FY23 Budget\*

Prepared in cooperation with the Glen Canyon Dam Adaptive Management Program

Glen Canyon Dam Adaptive Management Program Triennial Budget and Work Plan Fiscal Years 2021-2023

- Total Annual Budget = \$11.36M
  - 80% GCMRC = \$9,088,000
  - o 20% Reclamation = \$2,272,000



U.S. Geological Survey Grand Canyon Monitoring and Research Center

#### Reclamation Budget

ID	Project Name	2021			2022	2023
Α	Adaptive Management Work Group	\$	215,000	\$	215,000	\$ 215,000
В	Technical Work Group	\$	175,000	\$	175,000	\$ 200,000
С	Program Management, ESA Compliance, Mngment Actions	\$	1,168,000	\$	1,236,000	\$ 1,127,000
D	Cultural Resources	\$	650,000	\$	780,000	\$ 635,000
	•	\$	2,208,000	\$	2,431,000	\$ 2,177,000
	(Over) / Under budget	\$	64,000	\$	(134,000)	\$ 95,000





ID	Task Name	FY	FY 2021		2022	FY	2023
Α	Adaptive Management Work Group	\$	215,000	\$	215,000	\$	215,000
A.1	Adaptive Management Work Group Costs (BOR)	\$	75,000	\$	75,000	\$	75,000
A.2	AMWG Member Travel Reimbursement	\$	20,000	\$	20,000	\$	20,000
A.3	AMWG Reclamation Travel	\$	20,000	\$	20,000	\$	20,000
A.4	AMWG Facilitation Contract	\$	60,000	\$	60,000	\$	60,000
A.5	Public Outreach - Reclamation public affairs, PAOG	\$	25,000	\$	25,000	\$	25,000
A.6	AMWG Other	\$	15,000	\$	15,000	\$	15,000
В	Technical Working Group	\$	175,000	\$	175,000	\$	200,000
B.1	TWG Program Management (BOR)	\$	120,000	\$	120,000	\$	120,000
B.2	TWG Member Travel Reimbursement	\$	25,000	\$	25,000	\$	25,000
B.3	TWG Reclamation Travel	\$	20,000	\$	20,000	\$	20,000
B.4	TWG Chair Reimbursement/Facilitation	\$	-	\$	-	\$	25,000
B.5	TWG Other	\$	10,000	\$	10,000	\$	10,000



ID	Task Name	FY 2021	FY 2022			FY2023
С	Program Administration, ESA Compliance, and Management Actions	\$ 1,168,000	\$	1,236,000	\$	1,127,000
C.1	Administrative Support for NPS Permitting	\$ 125,000	\$	125,000	\$	130,000
C.2	Contract Administration	\$ 70,000	\$	120,000	\$	70,000
C.3	Integrated Stakeholder River Trip	\$ -	\$	50,000	\$	-
C.4	Science Advisors Program	\$ 150,000	\$	150,000	\$	150,000
C.5	Experimental Management Fund	\$ 350,000	\$	350,000	\$	350,000
C.6	Native Fish Conservation Contingency Fund	carryover		from previous		years
C.7	Experimental Vegetation Treatment - Grand Canyon	\$ 170,000	\$	170,000	\$	170,000
C.8	Experimental Vegetation Treatment - Glen Canyon	\$ 43,000	\$	84,000	\$	67,000
C.9	Evaluation of means to prevent fish passage through GCD	\$ 40,000	\$	-	\$	-
C.10	Evaluation of temperature control methods at GCD	\$ 15,000	\$	-	\$	-
C.11	Ridgway Rail and Southwest Willow Flycatcher monitoring	\$ 10,000	\$	7,000	\$	10,000
C.12	Monitoring Metrics Development and Tracking	\$ 50,000	\$	35,000	\$	35,000
C.13	Program Management	\$ 145,000	\$	145,000	\$	145,000

Requests for increased funding (C.7, C.11)



ID	Task Name	F۱	FY 2021		FY 2022		FY2023
D	Cultural Resources	\$	650,000	\$	780,000	\$	635,000
D.1	Reclamation Cultural Resources Program Management	\$	120,000	\$	120,000	\$	120,000
D.2	Support to Reclamation for cultural resources compliance	\$	40,000	\$	40,000	\$	40,000
D.3	Cultural Resources Monitoring - Grand Canyon	\$	50,000	\$	50,000	\$	50,000
D.4	Cultural Resources Monitoring - Glen Canyon	\$	30,000	\$	30,000	\$	30,000
D.5	Traditional Cultural Property Documentation	\$	-	\$	-	\$	-
D.6*	Zuni and NPS Data Recovery and Community Outreach Pilot	\$	20,000	\$	150,000	\$	100,000
D.7*	Monitoring Paiute Places on the Colorado: An Educational Resource	\$	50,000	\$	50,000	\$	_
D.8*	Hualapai Agricultural and Gardening Practices along the Colorado River	\$	45,000	\$	45,000	\$	_
D.9*	Hopi Grand Canyon (Öngtupqa) Oral History Project	\$	45,000	\$	45,000	\$	45,000
D.10*	Southern Paiute Participation in the Glen Canyon AMP:						
D.10	25 Years of Monitoring and Education, 1996-2021	\$	-	\$	-	\$	-
D.11*	Hualapai Shared Histories Along the Colorado River in Grand Canyon	\$	-	\$	-	\$	_
D.12	Cultural sensitivity Training Development	\$	50,000	\$	50,000	\$	50,000
D.13	Contingency fund for NHPA section 106 compliance	\$	25,000	\$	25,000	\$	25,000
D.14	Tribal resources monitoring	\$	175,000	\$	175,000	\$	175,000
D.15	Tribal participation in AMP (not funded by power revenues)	\$	475,000	\$	475,000	\$	475,000

- Requests for increased funding (D.3)
- Some projects may shift forward 1 year (D.6-D.11)

### **FY23 Budget Outlook: Reclamation**

- No suggested adjustments to TWP FY23 budget
- Emerging Issues:
  - Humpback chub BiOp trigger response (+)
  - Water Quality study (Lake Powell synthesis) (+)
  - Non-native fish establishment risk, detection, prevention, response (+)



#### "Walk-up" Table - Unfunded and Partially Funded Proposals

		2021	2022	2023
C.7	Experimental Vegetation Treatment - Grand Canyon	\$ -	\$ -	\$ 25,000
C.9	Evaluation of Means to Prevent Fish Passage through GCD	\$ -	\$ 60,000	\$ -
	Dissolved Oxygen Monitoring and Risk Assessment	\$ 50,000	\$ -	\$ -
D 10	Southern Paiute Participation in the Glen Canyon AMP: 25 Years of Monitoring and Education, 1996-2021			
D.10	25 Years of Monitoring and Education, 1996-2021	\$ 48,000	\$ 48,000	\$ -
D.11	Hualapai Shared Histories Along the Colorado River in			
D.II	Grand Canyon	\$ 40,000	\$ 40,000	\$ -
D.12	Cultural Sensitivity Training Development	\$ 125,000	\$ 200,000	\$ 150,000
	Total Unfunded	\$ 263,000	\$ 348,000	\$ 175,000

Shelf-ready projects eligible for end of year funding



