

FY-2004 GCDAMP BUDGET COMPARISON - BEFORE AND AFTER CUTS

ID	Project Descriptions	2003 Budget	2004 Budget NEEDS	PROPOSED 2004 Budget	2004 Total Difference	2004 IMPACTS
USBR ACTIVITIES						
PROGRAM ADMINISTRATION						
A	Adaptive Management Work Group					
1	Personnel Costs	173,000	178,000	151,300	26,700	Reduction of 15% in staff costs and involvement
2	AMWG Member Travel Reimbursement	10,000	13,000	13,000	0	
3	Reclamation Travel	17,000	18,000	18,000	0	
4	Facilitation Contract	25,000	25,000	21,250	3,750	Reduction in facilitation assistance
5	Other	11,000	9,000	9,000	0	
B	Technical Work Group					
1	Personnel Costs	81,000	81,000	68,850	12,150	Reduction of 15% in staff costs and involvement
2	TWG Member Travel Reimbursement	10,000	15,000	15,000	0	
3	Reclamation Travel	18,000	17,000	17,000	0	
4	TWG Chair Reimbursement	25,000	25,000	21,250	3,750	Reduction in TWG leadership
5	Other	2,000	2,000	2,000	0	
C	Compliance Documents	26,000	26,000	26,000	0	
D	Contract Administration	25,000	25,000	25,000	0	
USBR SUBTOTAL		423,000	434,000	387,650	46,350	

TRIBAL CONSULTATION						
A	Cooperative Agreements w/Tribes					
1	Hopi Tribe	80,000	80,000	80,000	0	
2	Hualapai Tribe	80,000	80,000	80,000	0	
3	Navajo Nation	80,000	80,000	80,000	0	
4	Pueblo of Zuni	80,000	80,000	80,000	0	
5	Southern Paiute	80,000	80,000	80,000	0	
B	River Trip Logistics					
1	Hopi Tribe	15,000	15,000	0	15,000	Covered by GCMRC Terrestrial Monitoring and Tribal Outreach
2	Hualapai Tribe	15,000	15,000	0	15,000	Covered by GCMRC Terrestrial Monitoring and Tribal Outreach
3	Navajo Nation	15,000	15,000	0	15,000	Covered by GCMRC Terrestrial Monitoring and Tribal Outreach
4	Pueblo of Zuni	15,000	15,000	0	15,000	Covered by GCMRC Terrestrial Monitoring and Tribal Outreach
5	Southern Paiute	15,000	15,000	0	15,000	Covered by GCMRC Terrestrial Monitoring and Tribal Outreach
TRIBAL SUBTOTAL		475,000	475,000	400,000	75,000	

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PROGRAMMATIC AGREEMENT FOR CULTURAL RESOURCES						
1	Reclamation Administration	50,000	50,000	42,500	7,500	Reduction of 15% in staff costs and involvement
2	Database / GIS	25,000	0			
3	NPS-GRCA Monitoring Costs	200,000	200,000	170,000	30,000	Reduction of 15% in staff costs and involvement
4	NPS-GLCA Monitoring Costs	28,000	28,000	23,800	4,200	Reduction of 15% in staff costs and involvement
	Subtotal NPS		228,000	193,800	34,200	
5	GLCA and NN Treatment Plan		100,000	100,000	0	Reduction of 15% in PEP Plan --> defer to 2005
PROGRAMMATIC AGREEMENT SUBTOTAL		303,000	378,000	336,300	41,700	

EXPERIMENTAL FLOWS						
1	Mass Balance of Fine Sediment		420,000	420,000	0	
2	FIST		500,000	500,000	0	
4	Primary Productivity, Carbon Flux		59,000	59,000	0	
5	Temperatures and Habitat Use Monitoring		200,000	200,000	0	
6	Modeling EHF Sandbar Response		62,000	62,000	0	
7	Coarse Sediment and Conceptual Modeling		49,000	49,000	0	
8	Kanab Ambersnail Population		10,000	10,000	0	
9	Foodbase Impacts of EHF Flows		50,000	50,000	0	
10	Monitoring of Rainbow Trout Adult		0	0	0	
11	Distribution of Spawning Redds		100,000	100,000	0	
12	Determination of the Suppression Mechanism		125,000	125,000	0	
13	Food Base Impacts of Fluctuating Flows		60,000	60,000	0	
14	Mechanical Removal		586,000	586,000	0	
15	Rainbow Trout Diet Analysis		123,000	123,000	0	
16	Predation of Humpback Chub		86,000	86,000	0	
17	Sediment Deposition in Arroyos		25,000	25,000	0	
18	Impacts to Concessionaires/Anglers		0	0	0	
19	Changes in Camping Beaches		25,000	25,000	0	
20	Administrative Support		5,000	5,000	0	
21	Technical Support - Computer		21,000	21,000	0	
22	Technical Support - Survey Equipment		32,000	32,000	0	
EXP FLOW SUBTOTAL			2,538,000	2,538,000	0	

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HUMPBAC CHUB PLAN ACTIONS						
1	Willow Beach Genetics Assessment		120,000	0	120,000	Need for project still to be determined
2	30-Mile Genetics Refugium		125,000	0	125,000	Need for project still to be determined
3	HBC Genetics Evaluation	51,000		0	0	Funded by GCMRC in 2001
4	Feasibility of HBC Augmentation	23,000	0	0	0	To be completed in 2003
5	HBC Translocation to Tributaries	25,000	50,000	50,000	0	
6	TCD (see below)				0	(Funded by USBR Appropriations only)
7	Dam Operations Experiment		150,000	50,000	100,000	Potential additional costs for 2004 experimental flow
8	Sediment/Turbidity Augmentation		210,000	50,000	160,000	Would only address the turbidity pottion of this project
9	Scientific/Recreation Impact Assesement		41,000	0	41,000	
10	Bright Angel Non-native Fish Removal (see below)				0	(Funded through NPS fee demo funds only)
11	Tributary Non-native Fish Survey/Removal		100,000	50,000	50,000	
12	LCR Confluence NNF Mechanical Removal		0	0	0	(Funded under experimental flows project 17)
13	Fish Monitoring below Diamond Creek		50,000	0	50,000	Need for project still to be better defined
14	Invasive Species Management Plan		100,000	0	100,000	Project deferred until 2005
15	Monitoring Parasites and Diseases		105,000	0	105,000	Project deferred until 2005
16	Review of LCR Management Plan		20,000	0	20,000	Project deferred until 2005
17	Concurrent LCR/Mainstem HBC Pop Est		250,000	0	250,000	Project deferred until 2005
18	AMWG Outreach Program		85,000	0	85,000	Project to be accomplished by AMWG within existing agency budgets
19	Genetics Management Plan		40,000	40,000	0	
20	LCR Spill Prevention Plan			0	0	Project deferred until 2005
21	LCR Pollution Control Plan		50,000	0	50,000	Project deferred until 2005
	Subtotal	99,000	1,496,000	240,000	1,256,000	
6	TCD	80,000	200,000	200,000	0	(Funded by USBR Appropriations only)
10	Bright Angel Non-native Fish Removal		167,000	167,000	0	(Funded through NPS fee demo funds only)
	Subtotal (lines 6 & 10)		367,000	367,000		
HBC PLAN TOTAL		179,000	1,863,000	607,000	1,256,000	

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USGS ACTIVITIES						
SCIENTIFIC ACTIVITIES						
A	Terrestrial Ecosystem Activities					
1	Terrestrial Ecosystem Monitoring		624,000	460,000	164,000	Reduce sampling frequency and intensity
2	Kanab Ambersnail Monitoring		86,000	79,000	7,000	Reduce Scope - eliminate 100,000cfs survey, focus on habitat
3	New Research in Terrestrial Ecosystems		69,000	0	69,000	Eliminate
4	Mapping Holocene Deposits		113,000	0	113,000	Eliminate
5	Habitat Map & Inventory		0	48,000	-48,000	Salary funds to complete project in FY04
6	Cultural Data Base Plan		25,000	0	25,000	Cultural database will be integrated into IT database, funds moved to A1
7	Kanab Ambersnail Taxonomy		26,000	0	26,000	Project funded by USGS Appropriations, funds moved to B2
B	Aquatic Ecosystem Activities					
1	Monitoring Aquatic Foodbase		271,000	248,000	23,000	Change emphasis to carbon budget, retain fixed foodbase sites
2	Status & Trends of Downstream Fish		856,000	820,000	36,000	Reduce downstream native fish sampling
3	Status & Trends of Lee's Ferry Trout		162,000	161,000	1,000	Salary Adjustment
4	IWQP - Downstream		200,000	179,000	21,000	Increase monitors, temperature sites-eliminate WRD Contract
5	Native & Non-Native Species		77,000	0	77,000	Eliminate-being done under experimental flows
6	Captive Breeding Program		50,000	0	50,000	Eliminate-conducted feasibility w/reprogrammed \$ in FY03
C	Integrated Activities					
1	Fine-Grained Sediment Storage		462,000	459,000	3,000	3 of 11 monitoring reaches eliminated in FY04, increased emphasis on aeolian deposition at cultural sites
2	Streamflow & Fine-Sediment Transport		609,000	480,000	129,000	Glen gage eliminated, DC flux errors unresolved
3	Coarse-Grained Sediment Inputs		145,000	135,000	10,000	Reduce emphasis on physical habitats & fish
4	Sediment Transport Modeling		256,000	231,000	25,000	Project scope intact, minus Year-3 field studies
5	Control Network		87,000	86,000	1,000	Salary Adjustment
6	Channel Mapping		126,000	128,000	-2,000	Salary Adjustment
D	Other Research Activities					
1	Unsolicited Proposals		89,000	0	89,000	Eliminate for FY04
2	AMWG/TWG Requests		64,000	0	64,000	Eliminate for FY04
3	In-House Research		22,000	0	22,000	Eliminate for FY04
4	Tribal Outreach		35,000	45,000	-10,000	Salary Redistribution
5	Public Outreach Involvement Plan Imple.		15,000	0	15,000	Project to be accomplished by AMWG within existing agency budgets
6	Cultural Synthesis & Data Report		11,000	0	11,000	Eliminate this project, funds moved to C1
7	Cultural Affiliation Study		55,000	0	55,000	Eliminate this project, funds moved to C1

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ADMINISTRATIVE & TECHNICAL SUPPORT SERVICES						
E	Administrative & Management					
1	Administrative Operations ⁽¹⁾		819,000	620,000	199,000	\$190k Administrative Costs move to the Cost Center level; \$9k Salary Redistribution
2	Program Planning & Management		303,000	274,000	29,000	Salary Redistribution
3	AMWG/TWG		55,000	45,000	10,000	Salary Redistribution
4	Independent Reviews		171,000	172,000	-1,000	Salary Adjustment
F	Technical Support Services					
1	Geographic Information System		147,000	160,000	-13,000	Salary Adjustment and Deferred Implementation
2	Data Base Management System		100,000	128,000	-28,000	Salary Adjustment and Deferred Implementation
3	Library		76,000	79,000	-3,000	Salary Adjustment
4	Survey Operations		130,000	126,000	4,000	Salary Adjustment and Deferred Implementation
5	Systems Administration		261,000	242,000	19,000	Salary Adjustment and Deferred Implementation
6	Aerial Photography		514,000	363,000	151,000	Salary Adjustment and Deferred Implementation
USGS OVERHEAD COSTS					0	
	USGS OVERHEAD (Bureau Share 11%) ⁽³⁾		363,000	363,000	0	(on \$3.8M)
	USGS OVERHEAD (Cost Center Share 4%)		132,000	132,000	0	(on \$3.8M)
	USGS OVERHEAD (Bur. Special Rate 2%)		58,000	58,000	0	(on \$3.0M)
	USGS OVERHEAD (Special CC Rate 2%)		58,000	58,000	0	(on \$3.0M)
USGS SUBTOTAL			7,722,000	6,379,000	1,343,000	

TOTAL PROGRAM COSTS	1,380,000	13,410,000	10,647,950	2,762,050	
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AVAILABLE FUNDS						
	USBR & USGS Power Revenues Under 2001 Cap	8,175,000	8,420,000	8,420,000	0	
	USBR Power Revenues Carry Over (Est.) FY 2003			100,000	100,000	
	USBR Power Revenues Carry Over from FY 2002			180,000	180,000	
	USGS Power Revenues Carry Over (Est.)			500,000	500,000	
	USGS Appropriations ⁽⁴⁾	595,000	945,000	945,000	0	
	USBR Appropriations ⁽⁵⁾	342,000	295,000	295,000	0	
	NPS Fee Demo Funds ⁽⁶⁾		167,000	167,000	0	
	NPS Appropriations ⁽⁴⁾	262,000	95,000	95,000	0	
	FWS Appropriations ⁽⁴⁾	262,000	95,000	95,000	0	
	BIA Appropriations ⁽⁴⁾	262,000	95,000	95,000	0	
TOTAL AVAILABLE FUNDS		9,898,000	10,112,000	10,892,000	780,000	

PROJECTED FUNDING SHORTFALL

Note: USGS Salary adjustments were made to reflect costs from the most recent salary tables and were redistributed to correspond to the changes in project work.

Note: USGS special "pass-through" rate is applied on \$3m for contracts and agreements.

⁽¹⁾ Decreases are a result of the USGS assessment. The admin. officer, admin. assistant, staff student assistant and 1/2 of the secretary positions have been transferred to the Southwest Biological Science Center (SBSC) and will be funded by the assessment. Administrative Support will be provided by the SBSC Administrative Services Group. Note: Total Cost Center assessment for FY-04 is \$190,000.

⁽²⁾ CPI Adjustment

Actual AMP funds received in FY-2003	6,603,000
Increased by 3.0 CPI	198,090
FY-2004 Budget Adjusted for CPI - rounded	<u>6,800,000</u>

GCMRC budgets are prepared in advance with an estimated 3% CPI inflation factor. Current year budgets are then adjusted with the actual CPI factor. The actual CPI rates have been 1-2% less than the estimated 3% for FY01 - FY03, the cumulative effect is a decrease of \$311k in the revised budget request for FY-04.

⁽³⁾ Overhead Calculations:	3,800,000	3,000,000	Formula:
USGS Overhead (Bureau Share)	363,000		(Available to spend x Bureau Overhead rate), \$3,800,000/1.15 x .11
USGS Overhead (Cost Center Share)	132,000		(Available to spend x Cost Center Overhead rate), \$3,800,000/1.15 x .04
USGS Special Rate (Bureau Share)		58,000	(Available to spend x Special Bureau Overhead rate), \$3,000,000/1.15 x .02
USGS Special Rate (Cost Center Share)		58,000	(Available to spend x Special Cost Center Overhead rate), \$3,000,000/1.15 x .02
Total Overhead:		611,000	

⁽⁴⁾ Consists of funds for experimental flows, and tribal participation

⁽⁵⁾ Consists of funds for experimental flows, temperature control device and tribal participation

⁽⁶⁾ Funds applied to Bright Angel non-native fish control