



United States Department of the Interior
U.S. GEOLOGICAL SURVEY
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January 8, 2010

To: Adaptive Management Work Group Members

From: John Hamill, Chief, Grand Canyon Monitoring and Research Center

Subject: GCMRC's Final FY2009 Expenditure Report and Allocation of FY2009 Carryover Funds and FY2010 CPI Funds

Attached please find GCMRC's Final Fiscal Year (FY) 2009 Expenditure Report (Table 1). This table provides a project by project accounting of available, obligated, and expended funds and related burden (overhead). A brief explanation is provided in Table 1 for any over or under expenditure of project funds. The total FY 2009 budget was approximately \$12.1M. We ended the FY with approximately \$1.6 M of carry over funds. Table 2 shows how the carryover funds have been allocated for various activities in FY 10. \$1.2M of this carry over was previously reported to the AMWG and included in FY 10-11 BWP that was approved by the AMWG and the Secretary. The majority of the remaining \$400K was used to:

- Contribute \$170K to an account to cover costs associated with publishing an estimated 55 publications in FY10 and FY11
- Provide an additional \$124K for the HFE synthesis that will be completed in December 2010 (the cost for the synthesis increased from an estimated \$175K to \$299K). This will be paid for with \$233K of HFE carryover funds and \$66K from the Experimental Fund (as opposed to using \$108K from the Experimental Fund as proposed in the FY 10-11 BWP).

Table 2 also shows that the FY 10 budget was reduced by \$103K due to the -1.3% Consumer Price Index (CPI) adjustment (we assumed a 0% CPI in developing the budget). GCMRC addressed this shortfall through a reduction in the USGS burden rate from 21% to 19%.

Barbara McKenzie and I will review the attached tables at the February 3-4, 2010, AMWG meeting. In the meantime if you have questions, please give me a call at 928-556-7364.

Attachments (2)

TABLE 1
GCMRC GCDAMP FY09 Final Expenditure Report
as of November 27, 2009

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	GCMRC Project ID	Project Descriptions	FY09 GROSS Approved Budget w/ Estimated 3% CPI	FY09 Total GROSS Budget w/ 4.9% CPI Including FY08 Applied Carryover	Planned Carryover to FY10 per July 6, 2009 Mid-Year Report	FY09 Actual GROSS Budget w/ 4.9% CPI (Excludes Planned Carryover to FY10)	FY09 NET Outstanding Obligations	FY09 NET Expended	Subtotal FY09 NET Obligated + Expended	FY09 Burden on Obligations & Expenditures	FY09 Burden Rate	FY09 GROSS Obligations & Expenditures	Difference Between FY09 GROSS Budgeted and Obligated & Expended (Total Available for Carryover to FY10)	Total FY09 GROSS Carryover Applied to FY10 Budget by Project	Comments
50															
51	U.S. Geological Survey - Biological Resource Division - GCMRC - Power Revenues Under Cap Funded Projects														
52															
53	GOAL 1 - FOOD BASE														
54	BIO 1.R1.09	Aquatic Food Base (FY07--FY09)	504,720	503,481	20,000	483,481	153,236	301,257	454,494	48,835	10.74%	503,329	152	51,815	
55	BIO 1.R4.09	Impacts of Various Flow Regimes on the Aquatic Food Base (FY08-FY09; Note 1)	84,484	83,228	-	83,228	78,450	-	78,450	4,778	6.09%	83,228	0	-	
56	SUB-TOTAL GOAL 1		589,204	586,709	20,000	566,709	231,686	301,257	532,944	53,613	10.06%	586,556	153	51,815	
57	GOAL 2 - NATIVE FISHES														
58	BIO 2.R1.09	LCR HBC Monitoring Lower 15km (HBC Population Est; Ongoing)	482,026	482,026	-	482,026	223,288	208,205	431,493	37,523	8.70%	469,016	13,010	-	Salaries & equip underspent
59	BIO 2.R2.09	LCR HBC Monitoring Lower 1,200m; Ongoing)	60,922	60,922	-	60,922	-	55,508	55,508	5,414	9.75%	60,922	(0)	-	
60	BIO 2.R3.09	HBC Monitoring Above Chute Falls; Ongoing)	134,912	134,110	-	134,110	70,230	50,000	120,230	13,880	11.54%	134,110	(0)	-	
61	BIO 2.R4.09	Monitoring Mainstem Fishes (includes Diamond Down; Ongoing)	469,232	469,232	-	469,232	248,798	195,675	444,473	48,641	10.94%	493,114	(23,882)	-	Overspent \$13k add'l funds to cooperator + \$10k add'l equipment
62	BIO 2.R5.09	Nonnative Control Planning (FY07--FY10)	62,904	61,972	-	61,972	-	44,637	44,637	8,573	19.21%	53,210	8,762	-	Travel & supplies underspent
63	BIO 2.R6.09	Nonnative Control Pilot Testing (FY07--FY10)	109,006	109,006	-	109,006	60,000	35,960	95,960	10,561	11.01%	106,521	2,485	-	Supplies underspent
64	BIO 2.R7.09	Stock Assessment of Native Fish in Grand Canyon (FY07--Ongoing)	53,988	94,188	-	94,188	-	71,466	71,466	13,726	19.21%	85,191	8,997	-	Travel underspent
65	BIO 2.R9.09	Mainstem Fish Survival (previously Bioenergetics Modeling) (FY07--FY10)	94,903	93,496	-	93,496	-	75,516	75,516	14,504	19.21%	90,019	3,477	-	Salaries underspent
66	BIO 2.R13.09	Remote PIT Tag Reading (FY07--FY09)	106,078	149,219	-	149,219	65,137	78,239	143,377	13,200	9.21%	156,577	(7,358)	-	Suballocation for antennae overspent
67	BIO 2.R14.09	Nonnative Fish Contingency Plan	-	36,818	36,818	-	-	-	-	-	-	-	36,818	-	Apply unused funds to FY09 C/O for BIO 2.R16.10 to reduce draw from Experimental Fund in FY10
68	BIO 2.R15.09	Near Shore Ecology / Fall Steady Flows	11,831	11,831	-	11,831	-	10,629	10,629	2,041	19.21%	12,670	(839)	-	
69	BIO 2.R16.09	Mainstem Coldwater Fish Control - New Initiative	139,392	139,392	-	139,392	46,000	61,938	107,938	14,697	13.62%	122,635	16,757	36,818	Salaries, travel, supplies & equip underspent; FY09 C/O from \$36,818 from NN Contingency Fund
70	SUB-TOTAL GOAL 2		1,725,194	1,842,212	36,818	1,805,394	713,453	887,772	1,601,225	182,760	11.41%	1,783,985	58,227	36,818	
71	GOAL 3 - EXTIRPATED SPECIES														
72		None Identified									0.00%				
73	SUB-TOTAL GOAL 3		-	-	-	-	-	-	-	-	-	-	-	-	-
74	GOAL 4 - RAINBOW TROUT														
75	BIO 4.M1.09	Status & Trends of Lees Ferry Trout (Ongoing)	117,084	117,084	-	117,084	82,744	29,408	112,152	8,508	7.59%	120,660	(3,576)	-	Supplies overspent
76	SUB-TOTAL GOAL 4		117,084	117,084	-	117,084	82,744	29,408	112,152	8,508	7.59%	120,660	(3,576)	-	
77	GOAL 5 - KANAB AMBERSNAIL														
78	BIO 5.R1.09	Monitor Kanab Ambersnail (FY95--FY10)	22,618	22,618	-	22,618	13,355	6,822	20,177	2,123	10.52%	22,300	318	-	
79	SUB-TOTAL GOAL 5		22,618	22,618	-	22,618	13,355	6,822	20,177	2,123	10.52%	22,300	318	-	
80	GOAL 6 - SPRINGS / RIPARIAN														
81	BIO 6.R1.09	Vegetation Mapping (FY07--FY10)	120,395	120,395	-	120,395	-	75,945	75,945	14,586	19.21%	90,531	29,864	-	Salaries, travel & supplies underspent (GS-6 not hired)
82	BIO 6.R2.09	Vegetation Transects (FY07--FY10)	51,894	120,766	41,777	78,989	19,921	50,972	70,893	11,003	15.52%	81,896	38,870	-	Supplies overspent
83	BIO 6.R3.09	Vegetation Synthesis (FY07--FY10)	59,666	59,666	5,000	54,666	9,279	33,854	43,133	6,991	16.21%	50,124	9,542	3,937	Cooperator underspent
84	SUB-TOTAL GOAL 6		231,955	300,827	46,777	254,050	29,200	160,771	189,971	32,580	17.15%	222,551	78,276	3,937	

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50															
51	U.S. Geological Survey - Biological Resource Division - GCMRC - Power Revenues Under Cap Funded Projects														
85	GOAL 7 - QUALITY-OF-WATER														
86	BIO 7.R1.09	Water Quality Monitoring Lake - Powell & Tailwaters (Budget presented below; FY07--FY09)	-	-	-	-	-	-	-	-	-	-	-	-	SEE BELOW
87	PHY 7.M1.09	Integrated Quality-of-Water Monitoring (Downstream of GCD; FY07--Ongoing)	920,740	974,740	-	974,740	4,054	884,225	888,279	105,084	11.83%	993,363	(18,623)	44,568	Equip overspent
88	PHY 7.R2.09	Modeling Support Linked with Integrated Quality-of-Water Monitoring (FY07--FY08)	125,663	298,923	-	298,923	178,495	120,161	298,657	10,398	3.48%	309,055	(10,132)	14,989	Cooperator overspent
89	SUB-TOTAL GOAL 7		1,046,403	1,273,663	-	1,273,663	182,549	1,004,386	1,186,936	115,482	9.73%	1,302,418	(28,755)	59,557	
90	GOAL 8 - SEDIMENT														
91	PHY 8.M2.09	Integrated Longterm Monitoring of System Wide Changes in Sediment Storage	305,648	345,648	-	345,648	202,325	139,659	341,984	38,769	11.34%	380,753	(35,105)	-	Cooperator, supplies overspent
92	SUB-TOTAL GOAL 8		305,648	345,648	-	345,648	202,325	139,659	341,984	38,769	11.34%	380,753	(35,105)	-	
93	GOAL 9 - RECREATIONAL EXPERIENCE														
94	REC 9.R1.09	Sand Bar and Campable Area Monitoring (FY07--FY11)	54,438	54,438	-	54,438	57,690	-	57,690	3,513	6.09%	61,203	(6,765)	1,788	Cooperator overspent
95	REC 9.R3.09	Compile Campsite Inventory and GIS Atlas (FY07--FY08)	-	38,762	-	38,762	-	33,111	33,111	6,359	19.21%	39,470	(708)	-	
96	REC 9.R4.09	Compile and Analyze Existing Safety Data	25,992	36,992	-	36,992	34,482	-	34,482	2,100	6.09%	36,582	410	-	
97	SUB-TOTAL GOAL 9		80,430	130,192	-	130,192	92,172	33,111	125,283	11,973	9.56%	137,255	(7,063)	1,788	
98	GOAL 10 - HYDROPOWER														
99	HYD 10.M1.09	Monitor Power Generation and Market Values under Current and Future Dam Operations (FY07--Ongoing)	19,360	19,360	-	19,360	-	-	-	-	0.00%	-	19,360	35,762	No funds spent in FY09
100	SUB-TOTAL GOAL 10		19,360	19,360	-	19,360	-	-	-	-	0.00%	-	19,360	35,762	
101	GOAL 11 - CULTURAL														
102	CUL 11.R1.09	Research & Development toward Core Monitoring (FY07; Note 10)	442,906	627,161	287,904	339,257	42,509	206,678	249,187	16,116	6.47%	265,303	361,858	333,441	All categories underspent
103	SUB-TOTAL GOAL 11		442,906	627,161	287,904	339,257	42,509	206,678	249,187	16,116	6.47%	265,303	361,858	333,441	
104	GOAL 12 - HIGH QUALITY MONITORING, RESEARCH & AEAM														
105	DASA 12.D1.09	Preparation for Monitoring Data Acquisition (Remote Sensing; FY07--Ongoing)	200,000	733,400	160,928	572,472	118,749	454,198	572,946	48,133	8.40%	621,079	112,321	160,928	Cooperator, OAS fees overspent
106	DASA 12.D2.09	Grand Canyon Integrated Oracle Database Management System (FY07--Ongoing; Note 7)	182,350	182,350	-	182,350	50,000	110,991	160,991	24,362	15.13%	185,354	(3,004)	-	Supplies overspent
107	DASA 12.D3.09	Library Operations (FY07--Ongoing)	55,633	55,633	-	55,633	-	47,571	47,571	9,136	19.21%	56,707	(1,074)	-	Travel not used; Equip overspent
108	DASA 12.D4.09	Legacy Analog Data Conversion (Analog to Digital - Reports & Imagery) (FY07--FY11)	129,227	129,227	-	129,227	10,540	99,499	110,039	20,478	18.61%	130,518	(1,291)	-	Equip overspent
109	DASA 12.D5.09	GIS Support for Integrated Analyses and Projects, GIS Lead (FY07--Ongoing; Note 7)	329,021	329,021	32,860	296,161	130,809	133,935	264,743	33,690	12.73%	298,433	30,588	-	Salaries underspent; used for travel, supplies & equip, add'l funds to cooperator
110	DASA 12.D7.09	Integrated Analysis and Modeling - FY09 Overflight (FY09--10) New Initiative	127,631	127,631	-	127,631	109,229	24,075	133,304	9,823	7.37%	143,127	(15,496)	-	WCF for publishing overspent (not budgeted)
111	Sub-total Goal 12 DASA Portion		1,023,862	1,557,262	193,788	1,363,474	419,326	870,270	1,289,595	145,622	11.29%	1,435,218	122,044	160,928	

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50															
51	U.S. Geological Survey - Biological Resource Division - GCMRC - Power Revenues Under Cap Funded Projects														
112	SUP 12.S1.09	Logistics Base Costs (Other costs dispersed throughout projects; Ongoing)	178,444	228,444	-	228,444	-	77,774	77,774	14,937	19.21%	92,711	135,733	-	Salaries underspent (lapsed positions)
113	SUP 12.S2.09	Survey Operations (Ongoing)	113,392	113,392	-	113,392	16,800	79,779	96,579	16,346	16.92%	112,925	467	-	
114	SUP 12.S3.09	Control Network (Ongoing)	90,051	158,177	-	158,177	135	135,753	135,888	21,508	15.83%	157,397	780	-	
115	Sub-total Goal 12 Support Portion		381,887	500,013	-	500,013	16,935	293,307	310,242	52,791	17.02%	363,033	136,980	-	
116	PLAN 12.P1.09	Enhancing the Conceptual Ecosystem Model to Identify Critical Ecosystem Interactions and Data Gap (Science Advisor's conduct work in FY07; Funding in Independent Reviews, ADM 12.A4.07; FY07--FY08; Note 1)	50,000	116,307	-	116,307	86,130	16,679	102,809	4,026	3.92%	106,835	9,472	-	Cooperators underspent
117	PLAN 12.P3.09	Low Steady Summer Flows - Data and Research Compilation, Synopsis and Synthesis (Note 1)	28,912	45,432	18,067	27,365	-	22,729	22,729	4,365	19.21%	27,095	18,337	17,402	Travel not used; Equip overspent
118	PLAN 12.P4.09	SCORE Report	-	-	-	-	-	60,000	60,000	11,524	19.21%	71,524	(71,524)	-	WCF for publishing overspent (not budgeted)
119	Sub-total Goal 12 Planning Portion		78,912	161,739	18,067	143,672	86,130	99,408	185,539	19,915		205,454	(43,715)	17,402	
120	ADM 12.A1.09 (A)	Administrative Operations (Ongoing)	173,311	179,784	23,930	155,854	5,264	89,703	94,968	17,549	18.48%	112,517	67,267	23,191	Cooperator underspent
121	ADM 12.A1.09 (B)	GSA Vehicle Charges	50,000	50,000	-	50,000	-	52,635	52,635	10,109	19.21%	62,744	(12,744)	-	Fuel costs skyrocketed
122	ADM 12.A1.09 (C)	I-Vehicle Fuel & Maintenance	25,000	25,000	-	25,000	-	19,032	19,032	3,655	19.21%	22,687	2,313	-	Fuel costs offset by ADM 12.A1.09 above
123	ADM 12.A2.09	Program Planning & Management (Ongoing)	1,098,744	1,098,744	-	1,098,744	525	917,446	917,971	176,306	19.21%	1,094,277	4,467	-	Travel underspent
124	ADM 12.A3.09	AMWG/TWG Meeting Travel Funds (Ongoing)	18,933	18,933	-	18,933	204	16,114	16,318	3,134	19.21%	19,452	(519)	-	
125	ADM 12.A4.09	Independent Reviews (not including Science Advisors & Exec. Director)	21,175	67,871	8,663	59,208	-	47,398	47,398	9,103	19.21%	56,502	11,369	-	Reviewers underspent
126	ADM 12.A4.09	Executive Director of Science Advisors Review and Coordination; includes Science Advisors' Expenses (Ongoing)	211,750	267,289	-	267,289	61,404	159,869	221,272	42,498	19.21%	263,770	3,519	-	Contract underspent
127	ADM 12.A6.09	2008 Science Symposium (Intermittent)	-	24,956	-	24,956	-	5,910	5,910	1,135	19.21%	7,045	17,911	-	Publishing underspent due to delays in proceedings
128	ADM 12.A5.09	GCMRC Component of SBSC Sys Admin Support (FY05-Ongoing)	211,871	231,871	5,150	226,721	18,612	198,070	216,682	41,616	19.21%	258,298	(26,427)	5,843	Coop not used, Equipment overspent
129	Sub-total Goal 12 Administrative/Management Portion		1,810,784	1,964,448	37,743	1,926,705	86,009	1,506,178	1,592,187	305,105	19.16%	1,897,292	67,156	29,034	
130	SUB-TOTAL GOAL 12		3,295,445	4,183,462	249,598	3,933,864	608,400	2,769,163	3,377,563	523,434	15.50%	3,900,996	282,466	207,364	
131	GCMRC Power Revenues Under Cap Subtotals		7,876,247	9,448,936	641,097	8,807,839	2,198,394	5,539,027	7,737,421	985,356	12.73%	8,722,777	726,159	730,482	
132															
133	GCMRC Power Revenue Funded Projects (NOT Capped) and Other Funded Projects														
134	BIO 7.R1.09	Water Quality Monitoring - Lake Powell & Tailwaters <Agreement 05AA402385>	257,137	234,256	-	234,256	10,206	172,481	182,687	35,087	19.21%	217,774	16,482	16,482	Returned \$66k to BOR for samples analyses; Salaries underspent
135	BIO 7.R15.09	Near Shore Ecology / Fall Steady Flows <Agreement # 08AA402808>	500,000	1,168,613	536,641	631,972	222,506	347,419	569,925	62,140	10.90%	632,066	536,547	536,547	C/O to FY10 is funding received at end of FY09 for FY10
136	SUP TBD	Tribal River Trips <Agreement # 08AA402806>	-	75,746	-	75,746	1,242	62,297	63,539	12,203	19.21%	75,743	3	14,786	\$5,363 add'l funds provided by BOR for expanded Hualapai trip **FY08 \$14,786 Zuni trip postponed was also postponed in FY09. Will carry forward to FY10 (but was not part of FY09 budget)
137	ADM 12.A6.09	TCD Funding 2008 Science Symposium (Intermittent) (Proceedings)	-	60,555	-	60,555	-	-	-	-	0.00%	-	60,555	60,555	BOR transferred funds in FY09 not used by WEF; Publishing underspent due to delays in proceedings
138	BIO TBD	Environmental Research Agmt (Temperature Control Device-TCD) Task 1 : A Test Using Artificial Streams <Agreement # 06AA402575>	-	1,435	-	1,435	-	1,203	1,203	231	19.21%	1,434	1	-	
139	GCMRC Other Agreements Projects Subtotals		757,137	1,540,605	536,641	1,003,964	233,954	583,400	817,354	109,662	13.42%	927,016	613,589	628,370	

TABLE 2

Allocation of GCMRC FY09 Carryover, Decreased FY10 CPI and Reduced FY10 Burden Applied to FY10 Budgets
As of November 27, 2009

A	B	C	D	E	F
1	GCMRC Sources of Additional Funds for Use in FY10				
2	as of November 27, 2009				
3	1,354,532	Annual Work Plan FY09 Carryover Funds (all fund sources except HFE)			
4	292,542	High Flow Experiment FY09 Carryover Funds			
5	\$ 1,647,074	Total FY09 Carryover Funds from Annual Work Plan & High Flow Experiment			
6	(103,576)	Decreased FY10 CPI Index	0% CPI estimated; <1.3%> CPI received (on Capped Power Revenues \$7,967,420)		
7	107,896	Estimated Decreased FY10 Burden Rate	AWP 21% estimated; 18.982% actual, HFE 21% estimated; 18.722% actual		
8	\$ 1,651,393	Total Additional Funds Available for Use in FY10			
9					
10	Details of Allocations				
11					
12	Amount	Project	Comments	Project Subtotal	Project / Goal Number
13	Annual Work Plan				
14	20,000	BIO 1.R1.10 Aquatic Food Base	Approved by AMWG as part of FY10 Budget 08/13/09		
15	25,855	BIO 1.R1.10 Aquatic Food Base	NEW - Supplement (2) 180 day temp hires		
16	5,960	BIO 1.R1.10 Aquatic Food Base	NEW - WCF Publishing contribution	51,815	BIO 1.R1.10
17	36,818	BIO 2.R16.10 Nonnative Fish Contingency Fund applied to Mainstem NN Fish Control	Approved by AMWG as part of FY10 Budget 08/13/09 for NN Contingency Fund; have applied these funds to BIO 2.R16.10; Will reduce previously requested \$150k from Experimental Fund to \$113,182 (savings of \$36,818)	36,818	BIO 2.R16.10
18	-	BIO 6.R2.10 Vegetation Transects	\$41,777 Approved by AMWG as part of FY10 Budget 08/13/09; Work will be done under BIO 6.M1.10; Funds have been reallocated to other projects	-	
19	3,937	BIO 6.R3.10 Vegetation Synthesis	\$5k Approved by AMWG as part of FY10 Budget 08/13/09; Reduced need to \$3,937	3,937	BIO 6.R3.10
20	44,568	PHY 7.M1.10 Integrated Quality of Water Monitoring (Downstream of GCD)	NEW - WCF Publishing contribution	44,568	PHY 7.M1.10
21	14,988	PHY 7.R2.10 Integrated Flow, Sediment, Transport and Temperature Modeling	NEW - Additional salary costs	14,988	PHY 7.R2.10
22	1,788	REC 9.R1.10 Sand Bar & Campable Area Monitoring	NEW - WCF Publishing contribution	1,788	REC 9.R1.10
23	35,762	HYD 10.M1.10 Monitor Power Generation & Market Values	NEW - Socioeconomic workshop	35,762	HYD 10.M1.10
24	287,904	CUL 11.R1.10 Research & Development towards Core Monitoring	Approved by AMWG as part of FY10 Budget 08/13/09		
25	21,100	CUL 11.R1.10 Research & Development towards Core Monitoring	NEW - Weather station work, additional logisitics		
26	24,437	CUL 11.R1.10 Research & Development towards Core Monitoring	NEW - WCF Publishing contribution	333,441	CUL 11.R1.10
27	160,928	DASA 12.D1.10 Quadrennial & Resource-Specific Remote Sensing Overflight	Approved by AMWG as part of FY10 Budget 08/13/09	160,928	DASA 12.D1.10
28	-	DASA 12.D5.10 GIS Support for Integrated Analyses & Projects	\$32,860 Approved by AMWG as part of FY10 Budget 08/13/09; Salary costs less due to lapsed position; Reallocated funds to other projects	-	
29	17,402	PLAN 12.P3.10 Low Steady Summer Flows	\$18,067 Approved by AMWG as part of FY10 Budget 08/13/09; Reduced need to \$17,402	17,402	PLAN 12.P3.10
30	23,191	ADM 12.A1.10(A) Administrative Operations	\$23,930 Approved by AMWG as part of FY10 Budget 08/13/09; Reduced need to \$23,191	23,191	ADM 12.A1.10 (A)
31	-	ADM 12.A4.10(A) Independent Reviews	\$8,663 Approved by AMWG as part of FY10 Budget 08/13/09; FY10 project decreased needs; Reallocated funds to other projects	-	
32	693	ADM 12.A5.10 GCMRC Component of SBSC Sys Admin Support	NEW - Additional website assistance		
33	5,150	ADM 12.A5.10 GCMRC Component of SBSC Sys Admin Support	Approved by AMWG as part of FY10 Budget 08/13/09	5,843	ADM 12.A5.10
34	16,482	BIO 7.R1.10 Water Quality Monitoring - Lake Powell & Tailwaters	NEW - Salary	16,482	BIO 7.R1.10
35	60,555	ADM 12.A6.10 Science Symposium Proceedings	NEW - WCF Publishing contribution (remainder of unused WEF funds from BOR)	60,555	ADM 12.A6.10
36	14,786	SUP (TBD) Tribal River Trips	NEW - Zuni River trip postponed in FY08, FY09	14,786	SUP TBD
37	536,547	BIO 2.R15.10 Near Shore Ecology	\$536,641 Approved by AMWG as part of FY10 Budget 08/13/09; Reduced need to \$536,547	536,547	BIO 2.R15.10
38	High Flow Experiment			AWP Total	\$ 1,358,851
39	2,373	Experiment 1.A Sand Budgeting	NEW - WCF Publishing contribution	2,373	Exp 1.A
40	6,526	Experiment 1.C Sandbar Fate: Topographic and Grain-size Responses	NEW - WCF Publishing contribution	6,526	Exp 1.C
41	8,899	Experiment 1.D Spring Backwater Monitoring	NEW - WCF Publishing contribution		
42	35,762	Experiment 1.D Spring Backwater Monitoring	NEW - Supplement (2) GS-7 hires	44,661	Exp 1.D
43	5,960	Experiment 3 Aquatic Food Base	NEW - WCF Publishing contribution	5,960	Exp 3
44	66,326	Experiment 7 HFE Synthesis	Approved by AMWG as part of FY10 Budget 08/13/09		
45	59,329	Experiment 7 HFE Synthesis	NEW - Additional cooperators		
46	107,367	Experiment 7 HFE Synthesis	NEW - \$107,367 balance of unused HFE funds; Total FY10 HFE Synthesis cost = \$299,348. Funded by 233,022 FY09 C/O + 66,326 Experimental Fund. Will reduce previously requested \$108,674 from Experimental Fund to \$66,326 (savings of \$42,348)	233,022	Exp 7
47	\$ 1,651,393	Total Additional Funds Allocated to Annual Work Plan & High Flow Experiment in FY10		HFE Total	\$ 292,542