

ES/CR/FY-95 Work Plan
Mail Stop 65115

Memorandum

To: Biology Committee, Interested Parties and Consultants
Biology Committee Subcommittees
Water Acquisition Committee, Interested Parties and Consultants
Information and Education Commi Committee, Interested Parties and
Consultants
Upper Basin Researchers

From: Director, Colorado River Recovery Implementation Program, FWS,
Mountain-Prairie Region

Subject: FY 95 Recovery Program Guidance

Attached for your information is program guidance for the FY 95 Recovery Program Work Plan. This guidance package consists of: 1) requested new start list; 2) ongoing projects lists; 3) work plan development schedule; and 4) FY 95 scope of work format.

The lists of requested new starts and ongoing projects were developed on the basis of the RIPRAP and input from the technical committees; they are intended to meet specific activities and deadlines in the RIPRAP. Some ongoing biology projects need to have their scopes of work revised (project numbers preceded by an asterisk), others are "ongoing, and on-track," and will require only updated scopes of work for FY 95. New and revised biology scopes of work are due April 12 (this includes capital funding projects on bottomland restoration, hatchery planning and construction, and fish passage, which will be reviewed by the Biology Committee). Scopes of work for ongoing, on-track biology projects, water acquisition projects, information and education projects, and the remainder of the capital projects are due June 3. The expected FY 95 budget is identified in the table for each ongoing project.

The format for FY 95 scopes of work is similar to last year's with two additions: a) the relationship of the project to the RIPRAP and b) the principal investigator's past performance on this or similar projects. For ongoing projects, please identify scopes of work by the FY 94 project number; leave the project number blank for new projects.

I apologize for the delay in providing this year's guidance. If you have questions or concerns, please call Angela Kantola or myself at 303/236-2985.

Attachments

cc: Management Committee, Consultants, and Interested Parties

bcc: ES/CR file, circ rf, rf

cr/:kjl:June 29, 2009

FY 95 NEW STARTS

(Project completion dates shown in parentheses)

Develop initial recommendations and an implementation schedule for reducing negative impacts of problem nonnative fishes (including sportfish). (3/95) This will be based on the findings of Utah's FY 93 nonnative fish management study (report expected Spring '94).

Evaluate sportfish management actions in the Upper Basin and determine how to reduce negative impacts on endangered fishes (95). (The RIPRAP emphasizes the following potential nonnative fish sources: Elkhead Reservoir, Duchesne River, Kenney Reservoir, and McPhee Reservoir.)

Assess the impacts of angling mortality on endangered fishes in the Colorado River in the Grand Valley and in Black Rocks, and in the Gunnison River below Redlands Diversion Dam. (95-96)

Implement the Nonnative Fish Stocking Procedures including any necessary staff support, floodplain mapping, case-by-case review of nonnative fish stocking plans, and promulgation and implementation of regulations on stocking by the aquaculture industry. (95)

Assess impacts of electrofishing through field studies using: a) portable x-ray of fish captured during ongoing Recovery Program electrofishing activities; or b) pond experiments with surplus hatchery raised endangered fish. Make recommendations for minimizing electrofishing injury in Recovery Program studies. (95)

Implement expanded Recovery Program staffing plan to improve Program effectiveness. (95--)

Begin synthesizing results of the Flaming Gorge and Aspinall studies and developing management recommendations. (through 97)

Evaluate the importance of Little Snake River flows and habitat to endangered fish (6/95); develop a management action (work) plan to identify flow recommendations and restoration needs (10/95).

Develop White River flow recommendations (based on the work plan Utah is developing in FY 94). (95-97)

Assess and make recommendations for fish passage at Taylor Draw Dam on the White River. (12/95)

Assess/make recommendations regarding passage at the Hartland diversion on the Gunnison River. (9/95)

FY 95 ONGOING PROJECTS

PROJ.#	LEAD	ACTIVITY	95 BUDGET	RIPRAP DATE	FUND SOURCE
		WATER ACQUISITION ACTIVITIES			
10	CWCB	Compact allocation and flow protection	0.0	ongoing	
9	FWS/WAC	Water rights acquisition consultant	up to 40.0	ongoing	S7
	BR	Operation of Flaming Gorge to provide summer and fall flows and winter and spring test flows.	0.0	thru 97	
11	UT	Legal protection of summer and fall flow releases from Flaming Gorge	0.0	11/94	
	CO	Accept initial Yampa River flow recommendations above and below the Little Snake River	0.0	12/94	
CAP-8		Steamboat Lake water lease (2000 af)	32.0	94-98	FY88
	CWCB	Colorado River water availability studies, Rifle to Roller Dam and Roller Dam to 15-Mile Reach	0.0	94-96	
	CWCB	Accept October-June flow recommendations	0.0	1/95	
	BR/CWCB/FWS	Ruedi water releases	0.0	thru 12/95	
		Evaluate options for uncommitted Ruedi water	0.0	12/94	
	CWCB	Initial appropriations for flows up to flow recommendation, irrigation season return flows, non-irrigation season hydropower return flows	0.0	12/94	
8	FWS/CO	Operation and maintenance of gages as necessary to monitor instream flows		ongoing	S7

PROJ.#	LEAD	ACTIVITY	95 BUDGET	RIPRAP DATE	FUND SOURCE
		15-Mile Reach gage operation and maintenance	3.8		
	BR	Aspinall supplemental releases	0.0	thru 9/97	
	BR	Deliver Aspinall research flows	0.0	thru 9/97	
	BR	Protect Aspinall research flows	0.0	4/95	
	BR	Deliver Paonia flows	0.0	ongoing	
	BR	File to change water right (Aspinall), if needed	0.0	12/94	
		BIOLOGICAL STUDIES			
*27	BR/FWS	Conduct <u>Gila</u> taxonomy studies: (project coordinator part-time only) morph./allozyme wrap-up mtDNA analysis	5.0 120.0	10/94 thru 96	ann ann, BR
*31	FWS	Conduct chemoreception studies	90.2	thru 00	ann
*28	FWS	Propagation/genetics coordination Secure genetic stocks in refugia (FWS/states) RBS - Upper Green, Co. R. arm of L. Powell, Upper Co. R. above Westwater BTC - Lake Mohave HBC - Black Rocks, Westwater CSF - Upper Co. R. above Westwater Identify fish needs, produce Annual Propagation Operation Plan	100.0	ongoing 94-95 94-95 95 95 ongoing	ann
25	UT	Develop basinwide bonytail reintroduction plan	50.0	12/94	ann
*29	FWS/CO	Operate and maintain propagation facilities at Ouray,	411.0	ongoing	ann,FW

PROJ.#	LEAD	ACTIVITY	95 BUDGET	RIPRAP DATE	FUND SOURCE
		Horsethief, and Bellvue			S
*22	FWS/CO/UT	Conduct interagency standardized management program Channel monitoring Implement Stanford's recommendations	137.1 20.0	ongoing	ann
16	FWS	Conduct database management program	26.6	ongoing	ann
*	CO/UT/FWS	Develop interim management objectives (IMO's) for each species and presumptive stock		9/95	ann
*	FWS	Implement peer review process		ongoing	ann
*19	FWS	Provide hydrology support (temp. data, gages, water rights acq., Aspinall, and Flaming Gorge)	50.0	ongoing	ann
15	LFL	Larval fish identification (in support of Aspinall and ISMP studies)	68.2	ongoing	ann
*32-41	BR/UT/FWS	Conduct Flaming Gorge studies		thru 97	ann
32	UT/LFL	CSF REPRO. & LARVAL ASSMT	98.0	thru 95	
33	UT	GREEN R. CSF NURSERY HAB.	79.4	thru 96	
34	FWS/LFL	RBS SPAWNING, LARVAL DIST	46.7	thru 96	
35	UT	CSF OVERWINTER SURVIVAL	27.8	thru 95	
36	FWS	WINTER/SPRING FLOW EFF.	57.0	thru 96	
37	UT	FG ROLE IN AQ. HAB. CHNG.	27.5	thru 96	
38	UT	POTENTIAL RBS & CSF SPAWN	15.0	thru 95	
39	UT	GILA & CSF REPRO. & RECRU	63.0	thru 96	
40	LFL	EVAL. OF UPPER GREEN R.	37.0	thru 96	
41	UT	FLOW & ICE EFF. ON CSF	42.0	thru 96	
	NPS	Evaluate fish community changes in the Yampa River		94-95	NPS
	FWS	Identify flow recommendations for the Duchesne River		94-95	FWS
*24	UT	Identify the most damaging nonnative fishes the	42.0	94-95	ann

PROJ.#	LEAD	ACTIVITY	95 BUDGET	RIPRAP DATE	FUND SOURCE
		Duchesne/Green River confluence; assess options to control negative interactions			
	CDOW	Final report on escapement of nonnative fish from Kenney Reservoir		94-95	CDOW
*43-48	BR/CO/UT/ FWS	Conduct Aspinall studies		thru 97	ann
43	CO/UT	FLOW EFF. ON LARVAL CSF	97.0	thru 97	
44	UT/FWS	FLOW EFF. ON NURS. HAB.	70.0	thru 97	
45	FWS/UT	FLOW EFF. ON YOY CSF,...	25.0	thru 96	
46	UT	FLOW EFF. ON HBC IN WW	42.0	thru 96	
47	FWS/BR	GUNN. R. HABITAT QUANT.	20.0	thru 96	
48	FWS	FLOW/GEOMORPH. FOOD WEB	147.1	thru 97	
*50	FWS	Monitor experimental reintroduction of razorback sucker in the Colorado and Gunnison rivers; make recommendations regarding further augmentation	35.5	94-12/95	ann
18	CO	Monitor Upper Colorado River fish community; develop management action plan; make recommendation for razorback and squawfish augmentation	22.0	94-12/95	ann
	NPS	Determine squawfish larval drift into Lake Powell		94-95	NPS
		CAPITAL PROJECTS			
		<u>FLOODED BOTTOMLAND RESTORATION</u>			
*CAP-6	BR/FWS/UT/ CO	Implement conceptual flooded bottomland restoration management plans for Escalante Ranch (Green R.), Old Charlie Wash (Green R.), Scott Matheson site (Colo. R.), 15-Mile Reach site (Color R.), and Escalante State Wildlife Area (Gunn. R.) or other priority areas determined through the flooded bottomland inventory. Specific activities include:	900.0	94--	CAP

PROJ.#	LEAD	ACTIVITY	95 BUDGET	RIPRAP DATE	FUND SOURCE
		a. Monitor and evaluate success of Old Charlie Wash flooded bottomland restoration b. Green River Escalante flooded bottomland site - activities depend on outcome of FY 94 contaminant studies c. Begin construction to restore flooded bottomland habitat at Scott Matheson site d. Gain access at Gunnison River Escalante State Wildlife Area flooded bottomland restoration site		95-4/98 9/95	
		<u>HATCHERY</u>			
*CAP-2, *CAP-7		Ouray, Craig, and Wahweap design and construction activities	200.0		CAP
		<u>FISH PASSAGE</u>			
*CAP-4	BR/FWS	Begin construction of passage at Redlands diversion Dam (BC)	628.0	95-10/96	CAP
*CAP-5	BR	Begin construction of passage at Price Stubb	50.0	94-9/96	CAP
*CAP-10	BR/FWS	Make recommendations for fish passage during low flows at agricultural diversions on the Yampa River Begin restoring passage	200.0	94-95 95-98	CAP
*	BR	Implement recommendations for fish passage at GVIC diversion dam	0.0		
		<u>WATER ACQUISITION</u>			
CAP-9		Complete Juniper administrative process	500.0	9/95	CAP, BR
CAP-11		Evaluate Grand Valley water management	310.0	94-9/96	CAP, BR

PROJ.#	LEAD	ACTIVITY	95 BUDGET	RIPRAP DATE	FUND SOURCE
CAP-12		Collbran - enter contract	65.0	9/95	CAP
CAP-13		Silt - file for water right change Enter contract	40.0	12/94 9/95, lit.dep	CAP CAP
CAP-14		Evaluate coordinated reservoir operations	200.0	94-6/96	CAP
		INFORMATION AND EDUCATION			
12	FWS	Information and Education	100.0	ongoing	ann
		PROGRAM MANAGEMENT			
1	UT	Utah	58.9	ongoing	ann
2	BR	Reclamation	110.0	ongoing	ann
3	FWS	Fish and Wildlife Service	285.0	ongoing	ann
4	CO	Colorado	128.3	ongoing	ann
5	WY	Wyoming	13.3	ongoing	ann

FY 95 WORK PLAN DEVELOPMENT PROCESS

- APR 12 New and revised scopes of work for biology projects due to Program Director.
- APR 18 Biology scopes of work package mailed to Biology Committee and its subcommittees.
- MAY 6 Subcommittee review of scopes of work due to Biology Committee members.
- MAY 10-11 Biology Committee reviews new and revised scopes of work and develops list of requested changes.
- JUN 3 Due to Program Director: scopes of work changed at Biology Committee request, biology "ongoing, on-track" scopes of work, water acquisition, capital project, information and education, and program management scopes of work.
- JUN 10 Scopes of work packages mailed to Biology Committee, Water Acquisition Committee, Information and Education Committee, and Management Committee.
- JUN 22-23 Biology Committee meets to review all biology scopes of work and develop their recommended work plan.
- JUL 15 Biology Committee, Water Acquisition Committee, and Information and Education Committee recommended work plans due to Management Committee.
- AUG 1 Management Committee develops recommended FY 95 Work Plan.
- SEP 8 Implementation Committee approves Management Committee's recommended work plan.

**RECOVERY IMPLEMENTATION PROGRAM
FOR THE ENDANGERED FISH SPECIES
IN THE UPPER COLORADO RIVER BASIN**

**FY-1995
SCOPE-OF-WORK
RESEARCH PROPOSAL**

Lead Agency: _____

Category (check one):

Submitted by: _____

Address: _____

Phone: _____

Date: _____

- Ongoing project
 Requested new start
 Outside funding
 Unsolicited project

- I. Title of Proposal:
 - II. Relationship to RIPRAP: *[Action plan(s), task number(s) and title(s) in the RIPRAP which are correlated with this project]*
 - III. Study Goals, Objectives, End Product:
 - IV. Description of past performance on this or similar projects:
 - V. Study area (including river miles and sampling dates, if appropriate)
 - VI. Study Methods/Approach (provide a clear description of sampling methods, gear types, numbers and life stages of fish to be collected, statistical analyses to be used, etc.)
 - VII. Task Description (FY-1995)
 - VIII. Study Schedule (start/end by task)
 - IX. FY-95 Work
 - Description of work
 - Deliverables (due date)
 - Budget (**by task**)
 - Labor
 - Travel
 - Equipment
 - Other
 - Total
- FY-96 Work (for multi-year study) - not to exceed 2 paragraphs
- Brief description of work
 - Deliverables
 - Budget estimate
- FY-97 etc. (for multi-year study) - not to exceed 2 paragraphs

X. Budget Summary* *[Be sure to clearly show funding targets]*

FY-1995 \$ _____

FY-1996 \$ _____

FY-1997 \$ _____

Total: \$ _____

* Do not include BR-FWS transfer overhead costs