

Executive Committee Meeting
February 18, 2010

Meeting Materials:

Meeting Agenda

Meeting Minutes

**Middle Rio Grande Endangered Species Collaborative Program
Executive Committee Meeting
February 18, 2010, 9:00 am to 12:30 pm
Bureau of Reclamation Rio Grande Conference Room
555 Broadway NE, Suite 100, Albuquerque, NM**

	1. Introductions and Changes to the Proposed Agenda (Dave Sabo)	<i>(5 minutes)</i>
*	2. Approval of January 21 EC Meeting Minutes (Dave Sabo)	<i>(10 minutes)</i>
*	3. Coordination Committee Report (Co-chairs) <i>Information: Revised LTP Development</i> <i>Information: Adaptive Management</i>	<i>(45 minutes)</i>
*	4. Program Manager Update (Yvette McKenna) <i>Information: Workgroup updates</i> <i>Information: 2009 Accomplishments & 2010 Work Plans</i> <i>Information: San Acacia Reach and PHVA Charters</i> <i>Information: SWM Climate Change Input to URGWOM</i> <i>Information: Quarterly Expenditure Report</i> <i>Information: Status of Deobligated Funds (J. Lewis)</i> <i>Information: Oregon State Univ Certificate</i> <i>Information: Annual Report update</i> <i>Information: LTP contract update</i>	<i>(30 minutes)</i>
	5. PVA/PHVA Update (Jim Wilber)	<i>(30 minutes)</i>
	6. BA/BO ESA Consultation Update <i>Information: BA update (Consultation Team)</i>	<i>(30 minutes)</i>
	7. PHVA/Hydrology Update (Leann Towne)	<i>(30 minutes)</i>
	8. Public Comment	<i>(10 minutes)</i>
	9. Next Meeting: March 18, 2010	
* <i>Denotes read ahead material provided for this item</i>		

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**Middle Rio Grande Endangered Species Collaborative Program
Executive Committee Meeting
February 18, 2010 9:00 am to 1:00 pm
Bureau of Reclamation Rio Grande Conference Room
555 Broadway NE, Suite 100, Albuquerque, NM**

Decisions

The January 21, 2010 EC meeting minutes were approved with no changes.

Actions

Estevan Lopez will participate on the interview panel for a Program Manager if his schedule allows.

EC members will send a list of desired attributes that candidates for Program Manager should have to Lisa Croft by Friday, February 26, 2010; and a list of suggested interview questions in approximately three weeks.

Matt Zidovsky and Sarah Cobb will email appropriations request information and/or forms to Yvette McKenna. Yvette will forward the information and forms to non-federal entities.

Grace Haggerty will email all non-federal signatories requesting volunteers to follow up on an appropriations request and possibly go to Washington D.C. to lobby for the Program. Grace will organize a meeting with volunteers so that an agreement can be made on a particular request, or message the trip will be focused on.

The New Mexico Interstate Stream Commission (NMISC), The Pueblo of Santo Domingo, and The Pueblo of Sandia, and the City of Albuquerque volunteered to participate in a trip to Washington, D.C. Subhas Shah will inquire about the trip at the next Middle Rio Grande Conservancy District (MRGCD) board meeting.

The PVA-Biology workgroup will continue to focus on developing the PVA models. The PHVA/Hydrology will work with URGWOM to develop model runs to support the BA/BO process.

Yvette McKenna will resend an email on the 02/24/10 peer review presentation.

Next EC Meeting March 18, 2010

Meeting Summary

- Dave Sabo called the meeting to order and asked whether a quorum was present. A quorum was confirmed and introductions were made around the table.
- The Bureau of Reclamation (Reclamation) announced that Mike Hamman has been selected as the new Albuquerque Area Manager.

- The U.S. Fish and Wildlife Service (FWS) announced Stacey Kopitsch as the new Program Management Team (PMT) liaison. Stacey will be the liaison to the Science Workgroup (ScW).
- Reclamation also announced that an advertisement for Program Manager (PM) will be released in the next few weeks. The position will be separated from the Deputy Area Manger position at Reclamation in response to a request made by the Executive Committee (EC) at the 2009 Taos Retreat. The EC was asked to provide input on interview questions and which characteristics/attributes the PM should possess to be successful. It was clarified that the position is a Federal position; processes that occurred during PM selection in the past will not be followed for this selection. One non-federal member of the EC may participate in interviews; but a panel of interviewers is rarely done in Federal selections.
- The January 21, 2010 EC meeting minutes were approved with no changes.
- The EC discussed meeting with Congressional delegates in Washington, DC. It was stated that this is the best time of year to make discuss the Program with them. As Federal agencies cannot lobby congress, they will not be able to attend these meetings but can support the effort. The EC has recently decided that the Long Term Plan (LTP) will be the basis for the Program; and have taken large steps towards development and completion of the LTP. It was stated that if the Program will be requesting additional funding, those requests will need to be made very soon as Congress is facing budget request deadlines. Congressional representatives present at the meeting will send appropriation request forms to Yvette McKenna, Acting PM so that she may distribute them to non-federal signatories. Grace Haggerty will email all non-federal signatories requesting volunteers to go to Washington D.C. to lobby for the Program. Grace will organize a meeting with volunteers so that an agreement can be made on a particular request, or message the trip will be focused on.
- The EC heard an update from the Coordination Committee (CC). The main focus of recent CC meetings has been developing the [LTP](#). Workgroups were asked to identify future activities that would benefit the listed species; the CC reviewed the activities and offered suggestions based on Recovery Plan elements and criteria. The contractor will be inserting the activities into a table. The CC also discussed and approved the Climate Change scope of work after the Species Water Management (SWM) workgroup revised it to reflect concerns raised at the workgroup level. Amendments to the [PHVA/Hydrology Ad Hoc workgroup Charter](#) were reviewed and approved by the CC; the amendments included changes to their membership and a time extension as the Biological Assessment/Biological Opinion (BA/BO) process was extended.
- Yvette McKenna, acting PM, gave the Program Managers update. The Program is still on schedule to have a draft LTP by April 30, 2010. Genquest has been contracted for additional support to help with LTP development. Executives were asked to refer to the meeting read aheads for [workgroup updates](#) and the quarterly [expenditure report](#). The EC directed the CC and PMT to determine how to move forward with an [adaptive management](#) plan during the January 2010 EC meeting.

This is being delayed until later in the spring of 2010 since the primary focus of both groups is developing the LTP. A question was asked regarding why an adaptive management plan is needed, since the Program is developing an LTP. The adaptive management plan is intended to be implemented along with the LTP; the Program can use the adaptive management plan when considering short term goals and activities that will help accomplish long term goals laid out in the LTP. It was suggested to have a presentation at the March EC meeting detailing the LTP/Adaptive Management relationship. There was a positive response to holding another Sharing Water, Building Relations course; a link to an online certificate course offered by [Oregon State University](#) is available with the meeting read aheads. The 2008-2009 annual report will be completed under the same additional administrative support contract being used for development of the LTP.

- An update was given on the status of deobligated funds. A letter has not yet been mailed to agencies with unexpended funds dated FY2008 and earlier; the Contracting Officer (CO) has been working with the entities to ensure that efforts aren't duplicated.
- Jim Wilber gave a hydrology update; the last few snowstorms brought snowpack up to about 100% of average in all basins.
- The consultation team gave an update on BA/BO consultation progress. The BA/BO consultation team is focusing on 1) the overall consultation strategy for broad federal/non-federal coverage, 2) what type of coverage, and 3) scheduling. There was a question regarding 2) what type of coverage; an example was given of the Upper Colorado Recovery Program, that all the actions on the river are covered under that BO. The consultation team is currently describing all the actions that take place in the Middle Rio Grande (MRG) that result in depletions on the river. The Upper Colorado Recovery Program covered federal and non-federal actions under Section 7. The Program will be covering actions under Section 7 so finding a federal nexus to cover both the effects of actions and of incidental take.
- Jim Wilber gave an update on PVA/Biology progress. Team members agree that they have a complete and existing set of data that are relevant to the process, although what the data means is still debated. The URGWOM team is beginning to get outputs so that the PVA team can understand what they'll receive from a hydrologic run. At their most recent meetings, the PVA/Biology and PHVA/Hydrology teams met together to discuss both models. PVA/Biology also discussed age classes, the affects of drying on the species, and age structure. The next PVA meeting is March 3 and 4, 2010.
- The EC heard a PHVA/Hydrology update. All the rule changes are wrapping, URGWOM is effectively ready to begin doing runs. A re-run of the pre-ESA water management scenario will be the first with the new rule changes and calibration. The URGWOM and PVA models are two different processes at different points in development. URGWOM is complete; but the PVA process still has integral pieces to work through. An attempt by the Program to force the URGWOM and PVA models to work together at this time may be unwise; a

suggestion was for the URGWOM team to move ahead with BA/BO consultation and for the PVA team to continue developing the models. Historically, the URGWOM model was not complete at the time of the 2003 BA/BO consultation and therefore was not used. A similar situation is currently unfolding regarding the 2010 BA/BO and the PVA models. The PVA models are a tool that can be used towards adaptive management and should continue to be developed, while the BA/BO process can move ahead using URGWOM. The EC agreed that the PVA-Biology workgroup should continue to focus on developing the PVA models. The PHVA/Hydrology will work with URGWOM to develop model runs to support the BA/BO process.

- It was announced the Rio Grande Silvery Minnow (RGSM) Recovery Plan will be released on February 22, 2010.

**Executive Committee (EC) Meeting Attendees
February 18, 2010 9:00 am to 12:00 pm**

Attendees:

<i>Representative</i>	<i>Organization</i>	<i>Seat</i>
Dave Sabo	Dept. of the Interior	Federal co-chair, non-voting
Lisa Croft	Bureau of Reclamation	Bureau of Reclamation
Kris Schafer	U.S. Army Corps of Engineers	U.S. Army Corps of Engineers
Nancy Gloman	U.S. Fish and Wildlife Service	U.S. Fish and Wildlife Service
Estevan Lopez	NM Interstate Stream Commission	non-Federal co-chair, NM Interstate Stream Commission
Bob Jenks	NM Department of Game and Fish	NMDGF
Matt Schmader	City of Albuquerque	City of Albuquerque
Rick Billings	Albuquerque Bernalillo County Water Utility Authority	ABCWUA
Subhas Shah	MRGCD	MRGCD
Ann Moore	NM Attorney General	NMAGO
Bruce Thomson	University of New Mexico	UNM
Frank Chavez	Pueblo of Sandia	Pueblo of Sandia
Ann Watson	Santo Domingo Tribe	Santo Domingo Tribe

Others

Yvette McKenna – PM	Bureau of Reclamation
Brent Rhees	Bureau of Reclamation
Jericho Lewis	Bureau of Reclamation
Kathy Dickinson	Bureau of Reclamation
Jim Wilber	Bureau of Reclamation
LeeAnn Summer	U.S. Army Corps of Engineers

Susan Bittick	U.S. Army Corps of Engineers
Monika Mann	U.S. Army Corps of Engineers
Delfinia Montano	U.S. Fish and Wildlife Service
Stacey Kopitsch	U.S. Fish and Wildlife Service
Lori Robertson	U.S. Fish and Wildlife Service
Wally Murphy	U.S. Fish and Wildlife Service
Janet Bair	U.S. Fish and Wildlife Service
Grace Haggerty	NM Interstate Stream Commission
Amy Louise	NM Interstate Stream Commission
Chris Shaw	NM Interstate Stream Commission
Julie Maas	NM Interstate Stream Commission
Ann Moore	NM Attorney Generals Office
Brian Gleadle	NM Department of Game and Fish
Brooke Wyman	MRGCD
Colin Lee	Santo Domingo Tribe
Sarah Cobb	Senator Udall
Jeanette Lyman	Senator Udall
Patricia Dominguez	Senator Bingaman
Matt Zidovsky	Congressman Heinrich
Reese Fullerton	
Tom Pitts	Water Consult
Jenae Maestas	Genquest
Cassie Brown	Tetra Tech

MEETING READ AHEADS



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Revised LTP Development

Title	Size	
01. Guidance and Attachments for Populating LTP Table 7.0	92.00 KB	Download
02. LTP Attachment 6: LTP Table 7.0	266.00 KB	Download
03. 2010 Annual Workplan Template	860.50 KB	Download
Email re: LTP Guidance for Upcoming Working CC Mtg Feb 17	52.78 KB	Download
Jan 20 LTP Schedule-Revised	76.95 KB	Download



Initial Draft LTP- Dec. 2009

Title	Size	
Draft LTP Cover Letter	72.29 KB	Download
Complete LTP Draft with Tables & Appendices (12/07/09)	1.14 MB	Download
Appendix 5.A Draft Principles for Sect. 7 Consultation (12/07/09)	59.50 KB	Download



Presentations

Title	Size	
Tom Pitt's Presentation to the CC/PMT: Revised EC Retreat Presentation	445.00 KB	Download
Tom Pitt's Presentation to the EC (12/15/09)	28.32 KB	Download
Tom Pitt's LTP Development Presentation to EC (01/21/10)	32.63 KB	Download
Tom Pitt's Presentation to EC 09/17/09	288.00 KB	Download



Recovery Plan Guidance

Title	Size	
SWFL Recovery Plan Implementation Status	109.50 KB	Download
RGSM Recovery Plan Implementation Status	47.50 KB	Download
Revised RGSM Recovery Goals April 9, 2009	27.31 KB	Download



Other Recovery Implementation Programs



Lower Colorado River-Multi Species Conservation Program Annual Work Plans

Platte River Recovery Implementation Program (PRRIP) Program Document

PRRIP Milestones Document

San Juan Implementation Program 2010 Budget and Annual Work Plan



FWS Recovery Plans



Rio Grande Silvery Minnow

Southwestern Willow Flycatcher



From: McKenna, Yvette R
Sent: Friday, February 05, 2010 2:54 PM
Subject: Long Term Plan (LTP) Guidance for Upcoming Working CC Mtg, Feb 17
Importance: High

Greetings CC and Work Group members,

During upcoming working Coordination Committee (CC) Meetings on February 17, March 4, and April 14, you are invited to work with the CC, the Program Management Team (PMT) and Tom Pitts, Water Consult, to formulate future activities for the revised Long Term Plan (LTP). The first joint working meeting will be on Wednesday, February 17, 2010 from 10 am – 4 pm in the Rio Grande Room at Reclamation. The read aheads for this meeting are attached and can be found on the Collaborative Program website (<http://www.middleriogrande.com/>) under [Library](#) » [Revised LTP Development](#). They include information related to the revised LTP development, an outline and guidance for populating Table 7.0, and formats for past and future Program activities. You may use your committee or work group login to access the documents.

As you know, the Program is transitioning into a Recovery Program and the revised LTP will be tied to the silvery minnow and flycatcher Recovery Plans issued by the Fish and Wildlife Service. Work group input on future Program activities that will help meet Recovery Plan priorities and elements is critical to the process, and work groups have been asked to provide a draft list of future activities prior to this joint meeting. Future activities will be further discussed and described during the working meeting, and the goal is to populate LTP Table 7.0 with new program activities and projects by April 7. The focus is on efforts over the next 5-7 years, and we anticipate the revised LTP to be implemented in FY2011, with annual Program reviews and updates to determine sufficient progress. A meeting reminder and draft agenda will be sent out next week.

Concurrently, we have contracted assistance to capture past Program activities in a similar manner, and products of that effort will be distributed for Program review as they become available.

This will be an intensive work effort in order to meet the attached LTP schedule approved by the CC and Executive Committee (EC), and they are aware of the need for your participation. If you have any questions or need more information, please let me or any PMT member know. You are also invited to meet with the PMT during our regularly scheduled meetings on Wednesdays, from 8:30 -11:30 am in the Pecos Room at Reclamation for further information and guidance on the revised LTP development.

Thank you for your participation and contributions to this important work effort and to the Collaborative Program.

Sincerely,
Yvette McKenna

Yvette Roybal McKenna
General Biologist/Interim Collaborative Program Manager
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Incorporation of Past and Future MRG Collaborative Program Activities And Projects into Table 7.0, Long Term Plan

1.0 Introduction: This paper provides guidance for incorporating past and future activities into Table 7.0 of the 2010 update of the Long Term Plan.

2.0 Conventions and definitions for this discussion: This discussion refers to the Collaborative Program, species recovery plans, and the Long Term Plan. To avoid confusion, conventions are adopted in referring to those documents and parts of those documents, as defined below:

Program projects/activities: past or future activities by the Collaborative Program

Recovery plan elements/sub-elements: actions defined in the species recovery plans to recover the species; the element/sub-element definitions vary from broad categories to specific actions

Long Term Plan section/subsections: LTP sections/subsections are defined based on consolidation of broad recovery plan elements into the LTP, and subdividing to reflect both recovery plan sub-elements and past/future Program projects/activities to be incorporated into the LTP

3.0 Relationship of the LTP to Species Recovery Plans: The Program's Executive Committee determined that the Long Term Plan (LTP) will be closely linked to the recovery plans for the silvery minnow and flycatcher. Linkage to the recovery plans 1) helps identify needed Program activities/projects to benefit the species over the long term, and 2) provides the U.S. Fish and Wildlife Service with a basis for evaluating the Program activities/projects as the vehicle for achieving ESA compliance for water development and management actions.

4.0 Organization of Section 7.0, Long Term Plan: The outlines and formats of the species recovery plans are not completely compatible organizationally. Therefore, a topical outline for Section 7.0 of the LTP was developed that incorporates the relevant elements in each recovery plan in format suitable to the LTP. The major sections of Section 7.0 (physical habitat development and management, water management, etc.) are sub-divided by species:

- A. Silvery Minnow
- B. Flycatcher
- C. Multi-Species

The multi-species sub-section reflects the fact that the Program has implemented projects/activities that benefit both listed species, such as habitat development and flow management.

The topical outline for the LTP is shown below:

7.1 Physical Habitat Restoration and Management

- A. Silvery Minnow
- B. Flycatcher
- C. Multi-species

7.2 Water Management

- A. Silvery Minnow
- B. Flycatcher
- C. Multi-species

7.3 Predator Control

- A. Silvery Minnow
- B. Flycatcher
- C. Multi-species

7.4 Population Augmentation/Propagation (RGSM only)

- A. Silvery Minnow

7.5 Water Quality Management

- A. Silvery Minnow
- B. Flycatcher

7.6 Research, Monitoring, and Adaptive Management

- A. Silvery Minnow
- B. Flycatcher
- C. Multi-species

7.7 Policies and Laws

- A. Silvery Minnow
- B. Flycatcher
- C. Multi-species

7.8 Public Outreach

- A. Silvery Minnow
- B. Flycatcher
- C. Multi-species

7.9 Program Management

The species sub-sections are further sub-divided to reflect elements and sub-elements in the recovery plans, activities/projects that have previously been developed by the Program, and activities/projects that will be conducted in the future by the Program to achieve Program goals. The sections and subsections are shown in Attachment 1.

5.0 Table 7.0 Program Activities and Projects: Table 7.0 (Attachment 6) in Section 7.0 of the LTP serves several important functions related to both findings of ESA compliance by the Service and planning of future Program activities. The table:

- relates past and future Program activities to specific elements of species recovery plans,
- identifies Program activities that have been completed,
- identifies future Program activities and time frames for those activities,
- provides a format for annual budgets to ensure that high priority Program activities are being accomplished, and
- provides a format for developing projected budget needs in the near term (3 to 5 years).

It is not expected that the LTP will be a budget document for the Program, but budget documents will be in the same format with respect to sections, subsections and future activities to demonstrate that high priority activities to benefit the species are being implemented.

The LTP will be reviewed and updated on an annual basis. The update will incorporate activities/project completed, changes in projected start or completion dates due to budgetary realities, on-the-ground implementation problems, changes in priorities. The update will be reflected in Table 7.0 and corresponding annual budgets and projected Program expenditures. The updated LTP will be approved by the Executive Committee.

6.0 Recovery plan elements in Table 7.0: The minnow and flycatcher recovery plans (2002 Flycatcher Final Plan and 2007 Minnow Draft Plan) were reviewed to identify recovery plan elements applicable to the Middle Rio Grande. Those are incorporated into Table 7.0.

The recovery plan elements are shown in bold in the attached Table 7.0 (see column “Program Activities and Projects”). The corresponding recovery plan element numbers and priorities are also shown in Table 7.0 to relate associated Program activities to the recovery plans. (In the event that these Recovery Plan elements are subsequently consolidated, Recovery Plan numbers and priorities for each species should be carried over with the consolidated elements.)

6.1 Description of Columns in Table 7.0 – Program Activities and Projects: The columns in Table 7.0 are described below:

Activity #: This is the initial activity number from the Program expenditure reports that was assigned in the first year that the project was initiated.

Projects and Activities: This is a list of recovery plan elements incorporated from the recovery plans and past and future Program project/activities. Sections are subdivided by species, and LTP sub-sections for each species.

Who: This is the party who actually carried out the project, or the party likely to carry out future projects, if such party is identifiable from the future project activity description. Future projects may not have enough information to identify who will carry out the project. An initial “who” list is attached (Attachment 2). It should be added to as needed.

Recovery Plan Priority: This is the priority for implementation taken directly from the minnow (M) or flycatcher (F) recovery plans.

Recovery Plan Element: This is the element or sub-element number from the minnow (M) or flycatcher (F) recovery plans.

Category: This is the category attached list (Attachment 3). Generally the category should be applied to specific Program projects/activities rather than broader sections or subsections, as all activities in each sub-section may not be in the same category.

BiOp Requirement: This relates the Program activity/project to the 2003 BiOp requirement. It should be updated when the new 2011 BiOP is released.

Status: Start: This is the fiscal year in which the Program project/activity was started.

Status: Complete: This is the fiscal year in which the project is scheduled to be completed. If the project is ongoing annually, such as monitoring, O&M, and has no projected completion date, insert “annual.”

7.0 Addition of Middle Rio Grande Past and Future Projects/Activities to Table 7.0: The immediate task is to populate Table 7.0 with the past and future Program projects/activities. Incorporation of past activities is important to demonstrate that ESA compliance has been and is being achieved by implementation of Program projects/activities and to understand what has been accomplished in order to avoid duplication or a point of departure for future activities. This is particularly important given that personnel involved in this long term Program will change over time.

Identification of future Program projects/activities consistent with species recovery plans is critical to the Service being able to rely on the Program to provide ESA compliance on a continuing basis in the future, and for the Service identifying Program projects/activities as RPAs and RPMs in the 2011 BiOp to the maximum extent possible.

Table 7.0 incorporates – on a preliminary basis – Program projects/activities from FY08, FY09, and FY10 into the table into what are likely the appropriate sections and sub-sections. Those projects/activities may serve as examples of how past and future Program activities/projects should be incorporated into Table 7.0 once the past and future Program activity/project descriptions are completed. (Note: Given some problems encountered with correlating these activities among fiscal years, the FY08, 09 and 10 Program activities may not be in the right LTP sections and/or subsections. Errors will be corrected once the “past activity description sheets” have been developed and all past activities are inserted into Table 7.0.)

The match among recovery plan elements and Program activities may not be perfect, or even apparent, for all past and future activities that will be incorporated into these tables. Past and future activities by the Program should fit into the sub-sections of Table 7.0 (example: 7.1.A.1 identified mineral physical habitat needs), but may not fit under a specific Program element. If Program activities fit under a specific recovery program element, they should be placed under that element in the Table. If they do not fit under that element, they simply should be placed at the end of the list under that particular sub-section of Table 7.0. Some adjustment of the descriptions of recovery plan elements may be necessary, such as consolidation of some plan activities to fit the reality of on-the-ground implementation of the Middle Rio Grande Collaborative Program. This will be done after all past and future activities are inserted into the Table.

Activities that do not fit within those sub-sections should be placed in the “other” subsection. On completion of insertion of past and future activities, new sub-sections could be created in Table 7.0 in which to place past or future activities from the ‘other’ sub-sections.

7.1 Incorporation of Past Program Projects/Activities into Table 7.0: In order to incorporate past Program projects/activities into Table 7.0 some basic information on those projects needs to be developed and documented. The documentation will ensure that past activities are not duplicated and eliminate any potential confusion regarding those activities. A form for documenting the need information on past activities, with instructions/definitions re: the needed information is attached (Attachment 4).

7.2 Incorporation of Future Program Projects/Activities into Table 7.0: Incorporation of future activities is needed to complete ongoing and conduct new activities and research needed to benefit the species; ensure provision of water and physical habitat; operate and maintain constructed facilities and habitats; monitor, evaluate and adaptively manage habitat; and to ensure that activities are carried out to benefit the species per the recovery plans. The knowledge base for identifying specific future Program projects/activities is in the Coordination Committee and workgroups.

The Coordination Committee and workgroups are tasked with reviewing Table 7.0 and identifying future activities needed in each section and subsection to benefit the species and the time frames and sequencing of those projects and activities. It is recognized that there will be uncertainties. However, the LPT will be updated every year. The workgroups and the Coordination Committee will be heavily involved in the updates.

A format for identifying future activities and related needed information is provided in Attachment 5.

Attachment 1: Program Sections and Sub-sections

The Program sections and subsections, derived from and corresponding to species recovery plans' elements and Program activities/projects, in Table 7.0 below, are:

7.1 Physical Habitat Restoration and Management

A. Silvery Minnow

1. Identify minnow physical habitat needs
2. Habitat planning
3. Habitat development/restoration
4. Habitat O&M
5. Habitat monitoring
6. Fish passages
7. Entrainment management
8. Adaptive management
9. Other

B. Southwestern Willow Flycatcher

1. Identify flycatcher habitat needs
2. Habitat planning
3. Habitat development/restoration
4. Habitat O&M

5. Habitat monitoring
6. Adaptive management
7. Other

C. Multi-Species

1. Identify multi-species habitat needs
2. Habitat planning
3. Habitat development/restoration
4. Habitat O & M
5. Habitat monitoring
6. Adaptive management
7. Other

7.2 Water Management

A. Silvery Minnow

1. Identify minnow flow needs
2. Identify water sources
3. Provide water for minnow
4. Monitor flows
5. Adaptive management
6. Other

B. Southwestern Willow Flycatcher

1. Identify flow needs

2. Identify water sources
3. Provide water for flycatcher
4. Monitor flows
5. Adaptive management
6. Other

C. Multi-Species

1. Identify flow needs
2. Identify water sources
3. Provide water
4. Monitor flows
5. Adaptive management
6. Other

7.3 Predator/Non-Native Control

A. Silvery Minnow

B. Southwestern Willow Flycatcher

C. Multi-Species

7.4 Population Augmentation/Propagation (RGSM only)

A. Silvery Minnow

1. Genetics management
2. Propagation/research studies

3. Construct propagation facilities
4. Propagation planning
5. Operate and maintain facilities
6. Stock minnows
7. Other

7.5 Water Quality Management

A. Silvery Minnow

1. Identify water quality criteria for minnow
2. Water quality monitoring

B. Southwestern Willow Flycatcher

1. Identify **contaminant** criteria for flycatcher
2. **Monitor habitat for contaminants**

7.6 Research, Monitoring, and Adaptive Management

A. Silvery Minnow

1. Research
2. Monitoring
3. Adaptive management
4. Other

B. Southwestern Willow Flycatcher

1. Research
2. Monitoring
3. Adaptive management
4. Other

C. Multi-Species

1. Research
2. Monitoring
3. Adaptive management
4. Other

7.7 Policies and Laws

A. Silvery Minnow

B. Southwestern Willow Flycatcher

C. Multi-Species

7.8 Education and Outreach

A. Silvery Minnow

B. Southwestern Willow Flycatcher

C. Multi-Species

7.9 Program Management

Attachment 2. Parties Conducting Program Projects/Activities

Abbreviation	Agency
ABCWUA	Albuquerque-Bernalillo County Water Utility Authority
AG	New Mexico Office of the Attorney General
APA	Assessment Payers Association of MRGCD
ASIR	American Southwest Ichthyological Researchers, LLC
BIA	Bureau of Indian Affairs
BOR	U.S. Bureau of Reclamation
CoA	City of Albuquerque
CON	Contractor – Unknown
FWS	U.S. Fish and Wildlife Service
GQ	GenQuest
Icetech	Icetech
ISC	New Mexico Interstate Stream Commission
Isleta	Pueblo of Isleta
MRGCD	Middle Rio Grande Conservancy District
NMDA	New Mexico Department of Agriculture
NMDGF	New Mexico Department of Game and Fish
NMED	New Mexico Environment Department
NMSU	New Mexico State University
Ohkay Owingeh	Ohkay Owingeh
Respec	Respec
San Felipe	Pueblo of San Felipe
Sandia	Pueblo of Sandia
Santa Ana	Pueblo of Santa Ana
Santa Clara	Pueblo of Santa Clara
Santo Domingo	Santo Domingo Tribe
SWCA	SWCA Environmental Consultants
TT	TetraTech
UNK	Unknown
UNM	University of New Mexico
USACE	U.S. Army Corps of Engineers
USGS	U.S. Geological Survey

Attachment 3. Category List for Table 7.0

Category: Categories provide a description of the type of activity that is being carried out by the Program project or activity. Use of the categories will help maintain consistency in incorporating past and future projects/activities into Table 7.0 and sequencing those projects/activities. Category definitions are provided below:

Category	Definition
Planning	Planning involves hydrologic modeling, data collection, or other planning activities that support decisions that may lead to an on the ground action such as flow management, habitat development, propagation, facility pre-construction /construction activities, etc.
Management	Management means acquisition of water and/or manipulation of flows, reservoirs, to meet activity objectives on the ground.
Pre-Construction	Pre-construction activities include planning, design, NEPA compliance, coordination, etc. needed to bring a specific project to the construction stage.
Construction	Construction means construction of a project.
O & M	O & M means operation and maintenance of a constructed project. It may be a habitat project, propagation facility, fish passage, etc.
Post Construction Monitoring	Post Construction Monitoring means monitoring of a completed construction project to ensure that it is meeting its goals and objectives.
Augmentation	Augmentation means the actual stocking of fish into the river.
Research	Research means application of the scientific method to identify the basic needs of the listed species, including habitat, genetics, health, etc.
Monitoring	Monitoring means collection of data to determine the status of species and/or habitat to support decision making or adaptive management.
Public Outreach	Public outreach means developing and providing information materials to the public, state legislators, Congress, federal, state, and local agencies regarding the Collaborative Program.
Staffing	Staffing means providing staff to implement the Program by federal, state, or local agencies.
Adaptive Management	The process of evaluating previous decisions, ongoing operations or activities, based on monitoring or post-construction monitoring, analysis, and experience, and modifying processes, operations, or activities to better achieve Program objectives, as needed.
Policy	Identification, implementation, and/or enforcement of laws, policies, regulations to enhance and/or protect species or habitat.

Attachment 4. Format for Documenting Past MRGCP Activities

DRAFT/FINAL (date)

LTP Table 7.0 No. _____

LTP Category: (See Attached List)

Name of Project: (If same name used each year, insert that name; if different names used, choose a name that best characterizes project.)

Agency/Party Implementing the Project: (Federal/State Agency, tribe, contractor, if multiparty, identify all)

Funding Source:

Project Description: (Purpose/Goals/Objectives, Accomplishments(acres of habitat, fish for stocking, technical report(s), water released for endangered fish, workshops, website, NEPA compliance for project, etc), 1 paragraph adequate to describe project)

References: (for technical reports or other documents produced, provide reference in standard reference format)

Project Duration: Fiscal Year started; Fiscal year completed or to be completed; or “Annual” if not expected to be terminated, such as O&M of facilities or habitat, monitoring etc.

2003 BiOp Requirement: (Identify the number of the RPA or RPM this project supports, or indicate N/A (not applicable).

Activity Nos. and Fiscal Years:

<u>Activity Number</u>	<u>Fiscal Year</u>

Names of Project Used; Contract Nos. and Fiscal years:

<u>Project Names</u>	<u>Contract Nos.</u>	<u>Fiscal Years</u>

Attachment 5. Format for Identifying Future MRGCP Activities

DRAFT/FINAL (date)

Name of Project:

LTP Table 7.0 Section/Subsection No. _____

LTP Category: (See Attached List)

Agency/Party Implementing the Project: (Federal/State Agency, tribe, contractor, if multiparty, identify all if known; or UNKNOWN)

Funding Source: (If Known or UNKNOWN)

Project Duration: Number of years this project will take to complete; identify estimated fiscal year to start; fiscal year to be completed or “Annual” if not expected to be terminated, such as O&M of facilities or habitat, monitoring etc.

Project Description: (Purpose/Goals/Objectives, Methods, Expected Accomplishments (acres of habitat, fish for stocking, technical report(s), water released for endangered fish, workshops, website, research question to be answered/addressed, NEPA compliance for project, etc), 1 paragraph adequate to describe project)

Estimated Cost: Ballpark cost estimate for use in budget projections, not LPT.

References: (for technical reports or other documents produced, provide reference in standard reference format)

2003 BiOp Requirement: (Identify the number of the RPA or RPM this project supports, or indicate N/A (not applicable).

Names of Project(s) that Must be Completed Before this Project Starts:

<u>Project Names</u>	<u>Fiscal Year to be Completed</u>

Names of Project(s) Dependent on this Project:

<u>Project Names</u>	<u>Fiscal Years</u>

**Charter for PHVA/Hydrology Ad Hoc Work Group
of the
Middle Rio Grande Endangered Species Collaborative Program**

Overview

The Middle Rio Grande Endangered Species Act Collaborative Program (Program) By-Laws, adopted by the Executive Committee (EC) on October 2, 2006, define the Program's organizational structure and discuss the various organizational units including the EC, Coordination Committee (CC), Program Manager (PM), Program Management Team (PMT), and work groups. The EC may establish work groups and designate members of work groups on its own initiative or on the recommendation of the CC when additional assistance or expertise is needed to accomplish the goals of the Program. The PHVA/Hydrology ad hoc work group was established by the EC at the December 2007 EC meeting.

The work group will operate with specific schedules, objectives, and scopes of work necessary to obtain a new Biological Opinion for the "Bureau of Reclamation's (Bureau) Water and River Maintenance Operations, U.S. Army Corps of Engineers' (Corps) Flood Control Operation, and Related Non-Federal Actions on the Middle Rio Grande, New Mexico." Reclamation and Corps will articulate the schedule for meeting this timeframe to the workgroup. Methods for accomplishing the established activities will be identified by the work group. The PM will assign a PMT liaison to support the work group. Reclamation and the Corps will take all necessary actions to ensure that objectives and work products are clearly identified, assigned work group tasks are completed, and schedules are met. The workgroup will provide hydrologic information needed by Reclamation and the Corps to write their Biological Assessments (BAs) for use in consultation with the U.S. Fish and Wildlife Service (FWS). Such information is necessary in order to obtain a new Biological Opinion.

The ad hoc work group will disband when the work group objectives have been met.

Work Group Objectives

The purpose of the PHVA/Hydrology ad hoc work group is to articulate ideas and input into the Population Viability Assessment (PVA), and to provide hydrologic information needed by Reclamation and the Corps to write BAs for use in consultation with the Fish and Wildlife Service. Such information is necessary in order to obtain a new Biological Opinion. Workgroup members will develop hydrologic analysis, water management scenarios, and define such for analysis in the PVA and BAs.

Ad Hoc Work Group Membership

At the December 2007 EC meeting the EC established the workgroup and appointed the following members to the work group:

David Gensler (Middle Rio Grande Conservancy District)
Paul Tashian (FWS) or alternate
April Fitzner (U.S. Army Corps of Engineers)
Rolf Schmidt-Petersen (New Mexico Interstate Stream Commission)
Rick Billings (Albuquerque Bernalillo County Water Utility Authority)
Leann Towne (Bureau of Reclamation)

In addition to the above members, the workgroup has requested participation by the Bureau of Indian Affairs. Randy Shaw has agreed to represent the BIA.

Work Group Leaders

Leann Towne and April Fitzner have been selected to serve as the leaders of the ad hoc work group. At least one leader will participate in each monthly EC meeting to update the Program on work group progress.

Work Group Meetings

The work group will meet approximately monthly, or more often if needed, to accomplish specific tasks. The PMT will post work group meeting schedules, locations, and agendas on the Program website at least one week in advance of the meeting date. All meetings will be open to the public. The work group leaders will ensure meeting summaries are kept which accurately reflect actions of the work group. The PMT will ensure that meeting summaries are posted on the website within one week after they are final.

If a member cannot attend a meeting, the member may send a written request or statement regarding agenda items of interest.

Work Group Responsibilities and Scope of Work

The ad hoc work group is responsible for carrying out specific work necessary to obtain hydrologic information needed by Reclamation and the Corps to write BAs for use in consultation with the FWS. Reclamation and Corps will articulate the schedule, key milestones, and necessary information needed from the workgroup. The PMT liaison will assist the leaders to develop a work plan for submittal to, and approval by, the EC. The work plan will contain tasks, schedules, and deliverables to be completed.

Work Plan

During the December 2007 PHVA workshop, work groups identified water distribution scenarios that could be evaluated using the PVA. The PHVA/Hydrology work group will further define those scenarios and other water management options for use in new proposed actions in the new BAs. The ad hoc work group expects that their work will be completed by the end of March 2011. The workgroup will work with the PVA modelers to assess a suite of water management scenarios in the PVA Models. The work group will utilize the results to further refine water management options for the development of the proposed actions.

Relationship of the Ad Hoc Work Group to Other Organizational Units of the Collaborative Program

The EC makes Program decisions. The workgroup co-chairs will provide workgroup products to the CC for communication to their EC member.

The PM is the leader of the PMT. The PMT will provide a liaison to support the ad hoc work group and to ensure that assigned work group tasks are completed. Kathy Dickinson (Reclamation, PMT Liaison) has been assigned to the work group. The PMT reports to the EC.

Coordination between work groups occurs through the PMT and at joint work group meetings. Joint work group meetings will be held when needed, such as when preparing for fiscal year activities and working collaboratively on specific projects.

Support to Work Group

Kathy Dickinson has been assigned to support the ad hoc work to ensure necessary support is provided as further identified in the Program by-laws.

The PMT will provide support for meetings of the ad hoc work group, including distribution of agendas and meeting materials, and distribution of meeting summaries. Final meeting summaries will be made available to the public via an established Program distribution network. The PM will provide work group products to the CC and EC.

Work Group Recommendations

The PHVA/Hydrology ad hoc work group will make technically sound recommendations based on the professional judgment of the members and best available science for use by Reclamation and the Corps in writing BAs. If a consensus recommendation is not reached by the work group at key milestone dates, the issue will be elevated to the EC. Reclamation and the Corps will make decisions as necessary to ensure key milestones are met and tasks are completed to ensure a new Biological Opinion is obtained within the established timeframe.

Reporting Results and Communicating Recommendations

Work group leaders will provide work products and recommendations to the CC for their information and communication to their EC member. Work group leaders will report on the group's activities and progress toward meeting stated objectives at each EC meeting and at CC meetings upon request.

Work Group Products (Deliverables)

Workgroup deliverables include the following.

- Written description of and documentation of decisions used to develop hydrologic sequences to be utilized for PHVA/Hydrology analysis.

- Written description of and documentation of decisions used to develop initial hydrologic conditions and assumptions for PHVA/Hydrology analysis.

- Written description of initial water management scenarios for analysis with the PVA models.

- Written description of water management scenarios and decisions used to develop those scenarios for use by Reclamation and the Corps in describing proposed actions in the new BAs.

- Documentation of URGWOM model results for water management scenarios used in the PVA models and/or the new BAs.

Review of the Ad Hoc Work Group

The PM and Reclamation and Corps work group leaders, with input from the PMT, will continuously review the accomplishments of the ad hoc work group with respect to its objectives, schedule, and participation by members, and make recommendations to the EC regarding continuation or termination of the work group, changes in objectives, schedule, or membership.

Amendment of Work Group Charter

This charter may be amended as deemed appropriate within the bounds of the By-Laws, with input from ad hoc work group members, and approval by the EC. At a minimum, the charter will be reviewed annually.

EC originally approved the PHVA/Hydrology Ad Hoc Work Group Charter on August 21, 2008. This amended Charter was approved by the EC on _____, 2010.

Workgroup Update Summary
Middle Rio Grande Endangered Species Collaborative Program
Executive Committee Meeting
February 18, 2010

Project Management Team

The PMT continues to meet weekly to follow up on action items from the Coordinating Committee (CC) and the Executive Committee (EC), and to discuss and implement improvements to the Program.

Revised LTP Development

A revised Long Term Plan (LTP) schedule was developed and the first working CC meeting to develop future Program activities was held on February 17. A long list of future Program activities to meet recovery plan priorities, elements, and Biological Opinion (BiOp) requirements was drafted. A new weblink was created under Library/Revised LTP Development to include guidance on populating Table 7.0, the Initial Draft LTP (Dec 2009), past LTP presentations, Recovery Plan guidance, other Recovery Implementation Programs, and the U.S. Fish and Wildlife Service (FWS) Recovery Plans. The Program has contracted additional administrative and technical support through GenQuest and Tom Pitts, Water Consult, has transitioned into a consultant for the revised LTP development. Kathy Dickinson is the point of contact for information and questions on past Program activities and is working closely with the new GenQuest contractor, Jean Burt, to capture this information in a consistent format. In order to meet the LTP schedule approved by the CC and the EC, the LTP development will be the priority of the CC, the PMT, the workgroups, Water Consult and GenQuest for the next few months. The next Working CC Meeting will be on March 4 from 10 am – 4 pm at Reclamation.

Adaptive Management

The PMT and the CC were tasked to work together to determine how the Program should move forward with an adaptive management plan. An FY10 activity summary to develop an adaptive management plan was presented to the CC and \$50K was recommended for approval on November 4, 2009. The CC and the PMT plan to draft a statement of work (SOW) for this activity based on the solicitation for Habitat Restoration Monitoring Plan Development Assistance. This task will be further defined during the working CC meetings for LTP development.

Preliminary information on workgroups' 2010 annual work plans and 2009 workgroup accomplishments was provided to the CC on February 17. The CC also reviewed charters for the San Acacia Reach and PHVA ad hoc workgroups and a revised SOW for the SWM project "Climate Change Input to URGWOM." Quarterly expenditure reports have been updated by Diana Herrera and provided to the Program. Unexpended Funds by Organization will be reviewed and requests for deobligations or spending plans will be submitted by Jericho Lewis to affected organizations. Reclamation has received a positive response to hosting the "Sharing Water, Building Relations" course again and will let the Program know proposed course dates. A flyer on the Oregon State University certificate program in "Water Conflict Management" is included for your information. Susan Bittick is providing information to the Program on the U.S. Army Corps of Engineers (USACE) Collaborative funding and is preparing a joint Quarterly Update with Yvette McKenna to submit to the Congressional staffers. Monika Mann is assisting the Habitat Restoration (HR) workgroup with future activities for the LTP. Amy Louise continues to work with the Species Water Management (SWM) workgroup and the San Acacia

Reach (SAR) ad hoc workgroup, and provides regular updates on snowpack measurements to the PMT. Kathy Dickinson serves as the PMT Liaison for the PHVA, as a technical member of the Monitoring Plan Team (MPT) and the Database Management System (DBMS) workgroups, and provides critical support in many Program areas as needed. The FWS is very close to filling the term positions for the PMT Liaison (for the Science, PVA and MPT workgroups) and the 10(j) experimental population biologist. Susan Bittick has proposed sponsoring team building training for the PMT once the new liaison is on board. The Program continues to receive much needed contracted support for Program administration from Jenae Maestas, GenQuest, and Cassie Brown, Marta Wood and Rachelle Schlupe, TetraTech.

Habitat Restoration

The HRW convened a special meeting on February 12 to brainstorm future activities for the LTP. They also met on February 16 and discussed the RM 83 Channel Realignment, Draft Velarde Reach A&R, and the Albuquerque A&R update. The next meeting is scheduled for March 16 from 12 - 3 pm at USACE.

Monitoring Plan Team

The MPT has drafted the SOW for the Effectiveness Monitoring Plan (EMP) and two task orders (for low intensity and high intensity monitoring). The group is awaiting the responses to the preliminary solicitation.

Science

The ScW met on January 19 and were updated on fish availability for PIT tagging. A special meeting was held on February 5 to discuss future activities for the LTP. An extensive list of future Program activities was drafted and is being added to by the other workgroups. ScW also met on February 16 to: discuss analysis of VIE/PIT tag data and the PVA recommendations for RGSM age and growth study; and review the ScW project list to identify new, ongoing, and expiring activities and prioritize for peer review. SWCA gave a presentation to ScW on "RGSM Recovery Plan Criteria Analysis." The next meeting is scheduled for March 16 from 9 - 11:30 am at USACE.

Species Water Management

SWM met on February 3 and approved the 2010 Annual Work Plan which was submitted for Program approval. By majority present, the Climate Change Data Inputs to URGWOM SOW, with some minor revisions, was approved. Reprioritization of remaining FY10 activities are: 1) Climate Change and 2) Riparian Model. SWM recommends the USGS Groundwater/Surface Water project to the CC for 2010 Peer Review consideration. The next meeting is scheduled for March 3 from 10 am – 12 pm at the Bureau of Indian Affairs (BIA).

San Acacia Reach

The SAR workgroup did not meet in February, but will meet in early March to discuss future activities for the LTP and draft informal, generalized agency responses to themes. The presentation on the San Acacia A&R Report Peer Review will be held on February 24 from 9 am – 12 pm at the Middle Rio Grande Conservancy District (MRGCD) Board Room.

PVA/Biology

The PVA/Biology workgroup met on January 26 and 27 and discussed the status of acquiring existing data sets and the development of the two PVA models. Rich Valdez presented on RGSM modal progression analysis.

PHVA/Hydrology

The PHVA/Hydrology workgroup met on January 26 and Craig Burroughs presented an update on recent enhancements made to the URGWOM planning model and results from running the pre-ESA water management scenario. The PHVA workgroup participated in a joint workgroup meeting with the PVA workgroup, and focused on how output from the URGWOM model can be used by the PVA models to predict species response to different water management scenarios.

Public Information and Outreach

The PIO workgroup met on January 14 and discussed: creating a state parks and visitor center's list for potential Program video distribution; updating the 2010 Work Plan; preparing a summary of the recovery plans for the flycatcher and minnow; contacting the Roundhouse regarding the date of the Rio Grande Day for 2010; and having Julie Mass attend the January 21 EC meeting in Mary Carlson's absence. The PIO met on February 11 to discuss future LTP activities. The next meeting is proposed for March 11 from 9 – 11 am.

MRG ESA Collaborative Program

1/11/2010

Unexpended Funds by Organization as of 12/31/09¹

Agency/Pueblo/ Organization	Contractual Nos.	Project Titles	Agreement/ Contract Amount	Total Expended to Date	Total Unexpended	COTR
Fish & Wildlife Service						
FY 2007	06-AA-40-2548	RGSM Health Assessment	339,224	305,192	34,032	G. Dean
	07-AA-40-2711	Longitudinal Movement Study	25,851	8,730	17,121	G. Dean
FY 2008	08-AA-40-2737	Program Management and Support	328,303	241,057	87,246	D. Herrera
	08-AA-40-2770	Experimental Augmentation and Monitoring	133,090	2,128	130,962	
	06-AA-40-2491	RGSM Rescue Efforts	350,705	333,378	17,327	
	07-AA-40-2673	Additional PVA Modeling	93,940	91,195	2,745	J. Dye
	08-AA-40-2777	Reintro. of Experimental RGSM Pops (Big Bend)	133,285	84,836	48,449	J. Dye
	08-AA-40-2812	Minnow Sanctuary O&M	252,747	110,056	142,691	Y. McKenna
FY 2009	07-AA-40-2634	Rearing/Breeding O&M Dexter	300,000	146,200	153,800	Y. McKenna
	08-AA-40-2770	Experimental Augmentation and Monitoring	84,208	0	84,208	J. Dye
	08-AA-40-2737	ESA Compliance FY 2010 & 2011	370,000	0	370,000	D. Herrera
	08-AA-40-2777	Reintro. of Experimental RGSM Pops (Big Bend)	139,690	0	139,690	J. Dye
	06-AA-40-2556	RGSM Egg Monitoring in Canals	20,345	137	20,208	G. Dean
	07-AA-40-2711	Longitudinal Movement Study	64,032	0	64,032	G. Dean
	08-AA-40-2812	Minnow Sanctuary O&M	189,928	0	189,928	Y. McKenna
	07-AA-40-2634	Rearing/Breeding O&M Dexter - FY 2010	300,000	6,420	293,580	Y. McKenna
	R09-PG-40-006	Reintroduction Biologist	370,000	0	370,000	L. Croft
	05-AA-40-2382	Fish Passage at San Acacia	5,444	3,412	2,032	K. Dickinson
Total FWS			3,500,792	1,332,741	2,168,051	
Interstate Stream Commission						
FY 2006	06-FG-40-2549	Albuquerque Reach	2,176,500	1,304,741	871,759	G. Dean
FY 2007	07-FG-40-2708	Isleta Reach Riverine HR Improvements	548,550	517,773	30,777	
	07-FG-40-2704	Monitoring of Albuquerque Reach	171,288	163,918	7,370	
	07-CS-40-8209	Groundwater Models (GS/SW Interaction)	339,529	312,475	27,054	V. Terauds
FY2008	08-FG-40-2803	ISC Naturalized Refugia O&M	252,912	166,780	86,132	Y. McKenna
	07-CS-40-8208	Decision Support System	159,639	79,083	80,556	E. Kandl
	08-FG-40-2832	Habitat Restoration	36,000	32,925	3,075	
FY2009	07-CS-40-8208	Decision Support System	166,963	0	166,963	E. Kandl
	08-FG-40-2803	ISC Naturalized Refugia O&M	261,170	0	261,170	Y. McKenna
	08-FG-40-2832	Isleta Ph 2 Habitat Restoration	125,000	0	125,000	K. Dickinson
	R09-PC-40-009	Test Hypotheses Re: RGSM Spawning	199,000	0	199,000	J. Dye
Total ISC			4,436,551	2,577,695	1,858,856	
Corps of Engineers						
FY 2007	07-AA-40-2691	GIS Database Development	856,680	318,978	537,702	K. Dickinson
FY2008	04-AA-40-2251	RGSM Post Construction Monitoring	51,128	46,946	4,182	K. Dickinson
	06-AA-40-2545	URGWOM Modeling	100,000	84,164	15,836	V. Terauds
	07-AA-40-2691	GIS Database Development	376,800	0	376,800	K. Dickinson
	06-AA-40-2545	Additional Hydro Modeling	100,000	0	100,000	V. Terauds
	07-AA-40-2672	Program Coordination and Management	197,993	126,047	71,946	D. Herrera
	06-AA-40-2553	Alleviating RGSM Entrapment	61,320	26,597	34,723	J. Aubuchon
	07-AA-40-2703	Complete Albuquerque Reach HR Analysis	145,073	122,056	23,017	K. Dickinson
FY2009	07-AA-40-2691	GIS Database Development - Task Order 2	232,019	0	232,019	K. Dickinson
	06-AA-40-2553	Alleviating RGSM Entrapment	173,824	0	173,824	J. Aubuchon
	07-AA-40-2672	Program Coordination and Management - FY 2010	200,000	0	200,000	D. Herrera
	R09-PG-40-011	Rio Grande Nature Center Monitoring	59,960	0	59,960	Y. McKenna
Total COE			2,554,797	724,788	1,830,009	
Pueblo of Sandia						
FY 2002	02-FG-40-8480	Pueblo of Sandia Habitat Restoration	500,000	293,680	206,320	
FY 2007	07-NA-40-2707	Sandia Pueblo HR Project - Construction	961,481	27,304	934,177	
FY 2008	08-FG-40-2818	Habitat Restoration - Monitoring	615,965	2,446	613,519	
Total Pueblo of Sandia			2,077,446	323,430	1,754,016	
Bureau of Reclamation						
FY 2009	05-PE-81-1079	SWFL Surveys	245,965	219,435	26,530	H. Garcia
	Denver TSC	SWFL Surveys FY 2010	260,000	15,445	244,555	H. Garcia
	09AFUC-09-004	MRG River Restoration/Channel Maint. Workshop	34,908	0	34,908	R. Padilla
	R09A-38-00-029	DEC Review (Fish Passage)	13,965	10,634	3,331	K. Dickinson
	09AFUC-09-010	Fish Passage at San Acacia	282,674	20,153	262,521	K. Dickinson
Total Reclamation			837,512	265,667	571,845	
American Southwest Ichthyological Researchers						
FY 2008	05-CR-40-8119	RGSM Population Estimation	168,288	113,830	54,458	G. Dean
	03-CR-40-8031	RGSM Reproductive Monitoring	153,144	151,234	1,910	G. Dean
	03-CR-40-8029	Population Monitoring of RGSM	259,620	145,099	114,521	G. Dean
FY 2009	09-PG-40-8295	Reproductive Monitoring of RGSM	92,160	0	92,160	G. Dean
	R09-PC-40-005	RGSM Population Monitoring	228,210	76,000	152,210	J. Dye
	R09-PC-40-006	RGSM Population Estimation	134,206	87,000	47,206	J. Dye
	R09-PX-40-0012	Age & Growth Sample Analysis	88,819	0	88,819	J. Dye
Total ASIR			1,124,447	573,163	551,284	
US Geological Survey						
FY 2007	06-AA-40-2572	Enhance In-stream Monitoring	19,594	17,917	1,677	K. Dickinson
FY 2008	08-AA-40-2823	Eval. Estrogenic BioMarker/Water Toxicity	143,903	37,201	106,702	G. Dean
FY 2009	08-AA-40-2823	Eval. Estrogenic BioMarker/Water Toxicity	178,052	0	178,052	G. Dean
	R09-PG-40-005	USGS Groundwater/Surface Water Interaction	219,959	0	219,959	Y. McKenna
Total USGS			561,508	55,118	506,390	

Ohkay Owingeh						
FY 2008	08-FG-40-2817	Habitat Restoration - SWFL Monitoring	141,618	72,400	69,218	
	08-FG-40-2829	Habitat Restoration - Maintenance	159,641	82,075	77,566	
	08-FG-40-2830	Habitat Restoration - Two Rivers Construction	253,395	168,400	84,995	
	08-FG-40-2831	Habitat Restoration - Three Falls Construction	203,360	99,974	103,386	
FY 2009	09-FG-40-2916	Two Rivers Flycatcher Habitat Expansion	79,496	0	79,496	Y. McKenna
	09-FG-40-2915	Three Falls Habitat Restoration	47,135	0	47,135	Y. McKenna
Total Ohkay Owingeh			884,645	422,849	461,796	
City of Albuquerque						
FY 2003	03-FG-40-2091	City of Albuquerque HR Project	417,000	229,396	187,604	
FY 2004	04-FG-40-2255	Low Impact High Yield HR - Rio Bravo So.	236,500	91,687	144,813	
FY 2008	08-FG-40-2745	Fish Passage Studies	37,107	13,829	23,278	K. Dickinson
	08-FG-40-2743	COA Rearing & Breeding Facility O&M	154,210	131,961	22,249	M. Hungerford
FY 2009	08-FG-40-2743	COA Rearing & Breeding Facility O&M	74,460	0	74,460	Y. McKenna
Total COA			919,277	466,873	452,404	
University of NM						
FY 2008	07-CR-40-8204	Nutrient Availability on Periphyton	135,414	44,329	91,085	J. Dye
FY 2009	07-CR-40-8204	Nutrient Availability on Periphyton	126,921	0	126,921	J. Dye
	07-FG-40-2662	RGSM Genetics Study	167,251	0	167,251	G. Dean
Total UNM			429,586	44,329	385,257	
Pueblo of Santa Ana						
FY 2008	08-FG-40-2819	Habitat Restoration - Monitoring	350,285	71,139	279,146	
Total Santa Ana			350,285	71,139	279,146	
Santo Domingo						
FY 2007	07-NA-40-2702	Santo Domingo HR Project - Construction	354,148	350,319	3,829	
FY 2008	08-FG-40-2838	Habitat Restoration - Construction	489,496	222,007	267,489	
Total Santo Domingo			843,644	572,326	271,318	
GenQuest, Inc.						
FY 2009	08-CS-40-8228	Various Admin. Support and Services	295,998	97,593	198,405	D. Herrera
	08-CS-40-8228	Various Admin. Support and Services	72,253	20,472	51,781	D. Herrera
Total GenQuest			368,251	118,065	250,186	
SWCA						
FY 2007	03-PE-40-0167	NEPA-ES Compliance	52,073	18,627	33,446	H. Garcia
FY 2009	R09-PC-40-007	RGSM Sampling Methods Calibration and Evaluation	253,366	41,000	212,366	J. Dye
Total SWCA			305,439	59,627	245,812	
Tetra Tech						
FY 2006	06-PE-40-0211	San Acacia fish passage NEPA	284,596	199,218	85,378	
FY 2007	07-PE-43-0108	Fish Passage at San Acacia ESA	46,314	30,484	15,830	H. Garcia
FY 2008	8A0-40-8177A	Study Channel Realignment San Acacia	320,152	184,363	135,789	C. Rolland
Total Tetra Tech			651,062	414,065	236,997	
Pueblo of Santa Clara						
FY 2008	08-NA-40-2801	Habitat Restoration - Planning	172,902	0	172,902	
Total Santa Clara			172,902	0	172,902	
Mussetter Engineering, Inc.						
FY 2008	8A4-40-8177B	Study Channel Realignment San Acacia	325,477	177,452	148,025	C. Rolland
Total Mussetter Eng.			325,477	177,452	148,025	
Pueblo of Isleta						
FY 2008	08-FG-40-2744	Habitat Restoration - Planning	190,402	61,739	128,663	
Total Isleta			190,402	61,739	128,663	
BH & H Engineering, Inc.						
FY 2009	R09-PX-40-005	Sustainable Ops BA - URGWOM Modeling	99,998	24,999	74,999	S. Bowser
Total BH&H			99,998	24,999	74,999	
NM Environment Dept.						
FY 2007	06-FG-40-2551	Annual Monitoring Program - Water Quality	213,773	156,025	57,748	R. Maxwell
Total NMED			213,773	156,025	57,748	
Middle Rio Grande Conservancy District						
FY 2007	05-FG-40-2436	Perennial Refugia at Drain Outfall	41,622	0	41,622	K. Dickinson
Total MRGCD			41,622	0	41,622	
Icetek Inc.						
FY 2008	07-PE-43-0093	Web Page Development and Maintenance	25,949	19,783	6,166	K. Dickinson
FY 2009	07-PE-43-0093	Web Page Development and Maintenance	26,590	0	26,590	K. Dickinson
Total Icetek			52,539	19,783	32,756	
Sustainable Ecosystem Institute						
FY 2009	R09-PD-40-007	Independent Peer Review	29,360	0	29,360	J. Lewis
Total SEI			29,360	0	29,360	
Parametrix						
FY 2007	07-CS-40-8188	Velarde Reach HR - Planning	390,024	368,093	21,931	
Total Parametrix			390,024	368,093	21,931	
Respec						
FY 2008	08-PE-43-0054	Map Existing Data	180,000	162,000	18,000	K. Dickinson
Total Respec			180,000	162,000	18,000	
Intermountain Aquatics Inc.						
FY 2009	09-PG-40-8286	Comprehensive Monitoring Plan for CompletedHR Projects	42,304	33,072	9,232	J. Lewis
Total IA Inc.			42,304	33,072	9,232	
URS Corporation						
FY 2006	06-CR-40-8128	Assessment of irrigation efficiencies	10,158	6,922	3,236	E. Kandl
Total URS			10,158	6,922	3,236	

¹This table was created using information from the latest Federal Financial System reporting and may not include recent transactions. This table includes unexpended amounts of all write-in funds and other Reclamation funds that have been obligated under these contracts/agreements.

**Status of Collaborative Program Funds
as of December 31, 2009**

1/11/2010

FY 2001

\$4,758,000 Appropriated	Main Funding Categories	Expended	Not Expended
1,000,000	Agreed Order Activities	1,000,000	0
500,000	Evapotranspiration (ET) Workgroup	500,000	0
1,758,000	Middle Rio Grande Collaborative Program	1,758,000	0
1,500,000	Middle Rio Grande Restoration Initiative	1,500,000	0
	TOTAL	4,758,000	0

FY2002

\$11,200,000 Appropriated	Main Funding Categories	Expended	Not Expended
4,300,000	Modifications to River Habitat	3,867,180	206,320
2,180,000	Silvery Minnow Population Management	1,784,771	0
1,110,000	Monitoring Stream Effects on Silvery Minnow	1,110,000	0
120,000	Combat Non-Native Species	120,000	0
950,000	Water Quality Studies and Improvements	1,176,500	0
1,900,000	Bureau of Reclamation's Purchase of Water	1,900,000	0
640,000	Bureau of Reclamation's Repayment Obligation	640,000	0
	TOTAL	10,598,451	206,320

FY2003

\$8,848,000¹ Allocated	Main Funding Categories	Expended	Not Expended
2,654,281	Habitat Restoration	2,459,284	187,604
1,196,566	Listed Species Population Management	1,196,566	0
56,000	Fish Passage	56,000	0
231,269	Non-Native Species Management	231,269	0
3,231,977	Water Management	3,377,345	0
541,327	Water Quality Improvements	541,272	0
936,580	Other: Environmental Compliance	1,079,080	0
	TOTAL	8,940,816	187,604

¹Total FY03 allocation: \$8,848,000. Difference of \$23,040 resulted after distribution of funds.

FY2004

\$6,291,361¹ Allocated	Main Funding Categories	Expended	Not Expended
1,105,371	Habitat Restoration	960,558	144,813
1,714,907	Listed Species Population Management	1,692,024	0
319,240	Non-Native Species Management	319,240	0
1,947,285	Water Management	1,947,285	0
379,614	Water Quality Improvements	379,614	0
824,944	Other: Program Support	801,997	0
	TOTAL	6,100,718	144,813

¹Total FY04 allocation: \$6,291,361. Difference of \$22,947 resulted after distribution of funds.

FY2005

\$5,374,020¹ Allocated	Main Funding Categories	Expended	Not Expended
1,236,689	Water Acquisition	1,236,689	0
1,266,086	Habitat Restoration	1,253,785	0
558,611	Biological Opinion Monitoring	557,081	0
1,520,569	Water & Minnow Management Improvement	1,520,569	0
402,065	Science & Monitoring	402,065	0
390,000	Program Management	390,000	0
	TOTAL	5,360,189	0

¹Total FY05 allocation: \$5,374,020. Difference of \$1,530 resulted after distribution of funds.

FY2006

\$12,619,000 Allocated	Main Funding Categories	Expended	Not Expended
6,311,394	Off-the-Top Projects	6,311,394	0
3,937,077	Habitat Restoration	2,979,940	957,137
961,073	Science	933,153	0
111,967	Water Management	108,731	3,236
1,297,489	Remaining Funds	946,944	0
	TOTAL	11,280,162	960,373

FY2007

\$14,189,580¹ Allocated	Main Funding Categories	Expended	Not Expended
4,748,815	Water Operations and Management	4,721,761	27,054
1,064,619	Captive Propagation	1,026,839	0
3,347,518	Habitat Improvement	2,174,956	1,055,536
379,936	RGSM Salvage	379,936	0
213,773	Water Quality	156,025	57,748
1,688,970	Other Monitoring and Research	1,636,140	52,830
2,707,741	Program Management, Assessment & Outreach	2,136,593	571,148
	TOTAL	12,232,250	1,764,316

¹Total FY07 allocation: \$14,189,580. Difference of \$38,208 resulted after distribution of funds.

FY2008

\$16,010,000 Allocated	Main Funding Categories	Expended	Not Expended
5,972,662	Water Operations and Management	5,773,525	199,137
1,300,927	Captive Propagation	918,893	382,034
3,610,215	Habitat Improvement (Const. Planning & Fish Pass.)	1,725,056	1,885,159
376,604	RGSM Salvage	359,277	17,327
143,903	Water Quality	37,201	106,702
2,070,595	Other Monitoring and Research	1,458,358	612,237
2,535,094	Program Management, Assessment & Outreach	1,991,742	543,352
	TOTAL	12,264,052	3,745,948

FY2009

\$12,769,000¹ Allocated	Main Funding Categories	Expended	Not Expended
4,418,964	Water Operations and Management	4,032,042	386,922
1,975,894	Captive Propagation	241,807	1,734,087
1,428,891	Habitat Improvement (Const/Plan/Monitor. & Fish Pass.)	631,452	797,439
267,238	Water Quality	89,186	178,052
1,555,719	Other Monitoring and Research	569,531	986,188
1,357,817	Activities Supporting Development of New BA/BO	624,999	732,818
1,695,669	Program Management, Assessment & Outreach	957,514	738,155
	TOTAL	7,146,531	5,553,661

¹Total FY09 allocation: \$12,769,000. Difference of \$68,808 resulted after distribution of funds.

FINANCIAL REPORT FY 2002 as of December 31, 2009

Contractual Nos.	Main Funding Categories	Amount Appropriated	Total Expended to Date	Not Expended
	Modifications to River Habitat	4,300,000	3,867,180	206,320
02-AA-6500	BO Los Lunas - BOR/COE	1,250,000	1,250,000	0
NA	BO San Acacia Restoration - BOR	270,000	270,000	0
NA	BO Fish Passage/River Reconnectivity - BOR	480,000	480,000	0
02-FG-8480	BO Pueblo of Sandia Habitat Restoration	500,000	293,680	206,320
02-NA-8500	BO Pueblo of Cochiti Habitat Restoration	448,500	448,500	0
01-FG-5900 M-1	Santa Ana Flycatcher	105,000	105,000	0
	Pueblo of San Felipe Habitat Restoration	226,500 ¹	0	0
NA	San Marcial Flow Improvement - BOR	300,000	300,000	0
02-FG-8440	Santa Ana Planning (Natural Resources & Habitat Restor)	300,000	300,000	0
	Program Coordination/Management	420,000	420,000	0
	Silvery Minnow Population Management	2,180,000	1,784,771	0
02-AA-8220	BO Reintroduction of RGSM - FWS	200,000	200,000	0
NA	BO Survey/Rescue at Low Flows - BOR	24,700	24,700	0
02-AA-8190	BO Salvage/Rescue/Monitor - FWS	175,000	175,000	0
02-AA-8350				
02-FG-8120	BO Propagation/Genetics - FWS/UNM	400,000	400,000	0
01-FG-5660	BO Egg Collecting - ASWIRF	175,000	175,000	0
NA	BO LFCC Pumping - BOR	207,000	207,000	0
NA	Floodplain Vegetation Management - BOR	108,000	108,000	0
02-AA-8050	Naturalized Refugia Outdoor - ISC	340,000 ²	244,771	0
02-AA-8050	Naturalized Refugia Indoor - ISC	300,000 ²	0	0
	Program Coordination/Management	250,300	250,300	0
	Monitoring Stream Effects on Silvery Minnow	1,110,000	1,110,000	0
02-AA-8170	BO Overbank Flooding RGSM and SWWF - COE	125,000	125,000	0
01-FG-5660	BO Monitoring of RGSM - ASWIRF	215,000	215,000	0
NA	Monitoring of SWWF - BOR	250,000	250,000	0
02-AA-8210				
02-AA-8780	Population Assessment (68 & 69) - FWS	200,000	200,000	0
02-FC-8410	ET Toolbox - UNM	295,300	295,300	0
	Program Coordination/Management	24,700	24,700	0
	Combat Non-Native Species	120,000	120,000	0
02-AA-8230	Wetland and Riparian Saltcedar Control - FWS	30,000	30,000	0
02-AA-8240	Riparian Restoration Saltcedar Control - FWS	38,500	38,500	0
02-NA-8500	Cochiti Habitat Restoration	51,500	51,500	0
	Water Quality Studies and Improvements	950,000	1,176,500	0
01-AA-5950	Water Quality - FWS	362,000	362,000	0
02-FG-8510	Pueblo of Isleta Water Quality	90,000	90,000	0
02-FG-8490	Pueblo of Sandia Water Quality	55,000	55,000	0
NA	Sediment Model - BOR	275,000	275,000	0
NA	Pumping - BOR	93,000	319,500	0
	Program Coordination/Management	75,000	75,000	0
	BOR Purchase of Water	1,900,000	1,900,000	0
NA	BO Water Leasing - BOR	1,600,000	1,600,000	0
NA	Pumping - BOR	300,000	300,000	0
	BOR Repayment Obligation	640,000	640,000	0
02-AA-8050	NMISC Repayment fo Refugia -ISC	640,000	640,000	0
TOTALS		11,200,000	10,598,451	206,320

¹Program decided not to fund this project, money was moved to pumping.²This agreement was closed out on 2/12/07 and remaining funds totaling \$395,229 were deobligated.

FINANCIAL REPORT FY 2003 as of December 31, 2009

Contractual Nos.	Main Funding Categories	Amount Appropriated	Total Expended to Date	Not Expended
	Habitat Restoration	2,649,956	2,459,284	187,604
03-AA-2088	BO Los Lunas HR Construction Completion - BOR	293,464	293,464	0
03-AA-2074	BO Revegetation & Monitoring Plan for Los Lunas - COE/BOR	285,138	285,138	0
03-NA-2113	BO Willow Flycatcher Habitat at San Juan Pueblo	348,994	348,994	0
03-AA-2110	BO Evapotran. Tower Transition Project at BDANWR - FWS	170,200 ²	167,132	0
03-AA-2089	BO Bernalillo to Alameda Bridge River Restoration - BOR	87,361	87,361	0
03-FG-2091	BO City of Albuquerque HR Project	517,000	229,396	187,604
03-FG-2123	Refugia O&M - COA		100,000	0
03-AA-2086	BO San Acacia to Escondida Subreach 3 HR - BOR	83,528	83,528	0
03-AA-2084	BO Rio Salado Confluence HR Project Planning & Design -BOR	46,400	46,400	0
03-FG-2109	Perennial Pools for RGSM in San Acacia Reach - MRGCD	71,465	71,465	0
03-FG-2111	Preliminary Assessment of SWWF Habitat on Isleta Pueblo	5,600	5,600	0
03-NA-2114	Rio Grande Corridor Restoration Planning on San Juan Pueblo	172,731	172,731	0
03-FG-2108	Conceptual Restoration Plan-San Acacia to San Marcial - SOB	30,000	30,000	0
03-NA-2128	Pueblo of Santa Ana HR Project	300,000	300,000	0
03-FG-2112	Bosque Restoration & Habitat Improv. Plan Santo Domingo	238,075	238,075	0
	Listed Species Population Management	1,196,566	1,196,566	0
02-AA-8190	BO Salvage/Rescue/Monitor - FWS	168,943	168,943	0
03-CR-8029	BO Population Monitoring of RGSM - ASWIRF	145,050	145,050	0
03-CR-8031	BO Monitoring the Reproductive Effort of RGSM - ASWIRF	84,000	84,000	0
02-AA-8350 M-2	BO Propagation of the RGSM - FWS	350,000	350,000	0
02-AA-8780 M-1	BO Experimental Augmentation & Monitoring Plan - FWS	102,464	102,464	0
03-AA-2085	BO Vegetation Mapping of the Rio Grande Floodplain - BOR	18,600	18,600	0
03-FG-2075	BO SWWF Nesting Success, Cowbird Parasitism - Isleta	33,000	33,000	0
03-AA-2079	BO Monitoring SWWF at Sevilleta NWF & LaJoya - BOR	42,950	42,950	0
02-FG-8120 M-1	Conservation Genetics - UNM	119,449	119,449	0
03-FC-2093	Bosque Soil Evaporation Monitoring & Modeling - UNM	132,110	132,110	0
	Fish Passage	56,000	56,000	0
03-AA-2087	BO Conceptual Design for San Acacia Fish Passage - BOR	56,000	56,000	0
	Non-Native Species Management	231,269	231,269	0
02-FC-8410 M-1	Scaling Evapotranspiration Measurements - UNM	40,859	40,859	0
03-FC-2115	Riparian Evapotranspiration - UNM	190,410	190,410	0
	Water Management	3,213,311	3,377,345	0
03-WC-8860	BO Water Acquisition - BOR	2,453,000	2,453,000	0
03-AA-2090	BO Permanent Pumping Plants - BOR	275,000	275,000	0
03-CR-8039	BO Instrumentation & Data Collect. for Quantification Flows-ISC	92,178	92,178	0
03-CR-8038	BO Evaluating Water Acquisition Actions - ISC	55,998	55,998	0
03-FG-2120	BO Oper Improvements & Water Mgmt Decision Support - ISC	78,000	78,000	0
03-FG-2121	BO Oper Improvements & Water Mgmt Decision Support - ISC		164,034	0
03-FG-2092	Evaluation of Conveyance Losses & On-Farm Efficiency - URS	160,047	160,047	0
03-CR-8035	Evaluating MRG Flow Alteration - MRGCD	99,088	99,088	0
	Water Quality Studies and Improvements	541,272	541,272	0
03-CR-8036	BO Evaluation of Bar Morphology - ISC	103,450	103,450	0
03-CR-8037	Study of Transient Groundwater Riparian Conditions ISC	203,724	203,724	0
02-AA-8210 M-001	Habitat Preference of RGSM - FWS	234,098	234,098	0
	Other: Environmental Compliance	936,580	1,079,080	0
03-AA-2083	BO Program Coordination & Management - BOR	225,000	225,000	0
03-PE-40-0167	NEPA Compliance - BOR	400,000	325,000	0
02-AA-40-8110	Program Manager - FWS		217,500	0
	Subcommittee Support - CP	311,580	311,580	0
TOTALS		8,824,954¹	8,940,816	187,604

¹Total appropriated amount \$8,848,000. Difference of \$23,046 resulted after distribution of funds.

Agmt. 03-CR-8038 total cost is \$74,664, but CP portion is only \$55,998. Agmt. 03-FG-2109 total cost is \$71,465 not \$75,839.

²This agreement was closed out and remaining funds totaling \$3,068 were deobligated.

FINANCIAL REPORT FY 2004 as of December 31, 2009

Contractual Nos.	Main Funding Categories	Amount Appropriated	Total Expended to Date	Not Expended
	Habitat Restoration	1,105,371	960,558	144,813
03-FG-2109 M-1	BO Perennial Pools for RGSM in San Acacia Reach - MRGCD	15,567	15,567	0
04-FG-2255	BO Low Impact High Yield HR - Rio Bravo So. -COA	236,500	91,687	144,813
04-FG-2253	BO HR Mesohabitats - ISC/SWCA	174,426	174,426	0
03-AA-2074 M-2	BO Los Lunas Revegetation - COE/BOR	92,787	92,787	0
04-AA-2251	Rio Grande Nature Center HR - COE	135,075	135,075	0
03-NA-2113 M-1	BO San Juan Pueblo WIFL - San Juan	294,390	294,390	0
03-FG-2112 M-3	Habitat Restoration Reach Plans - Santo Domingo	83,514	83,514	0
02-FG-8510 M-1	Habitat Restoration Reach Plans - Isleta	73,112	73,112	0
	Listed Species Population Management	1,714,907	1,692,024	0
02-AA-8190 M-3	BO Salvage/Rescue/Monitor - FWS	292,410 ²	269,527	0
03-CR-8029 Opt 1	BO Population Monitoring of RGSM - ASWIRF	152,292	152,292	0
03-CR-8031 Opt 1	BO Monitoring the Reproductive Effort of RGSM - ASWIRF	85,050	85,050	0
02-AA-8350 M-4	BO Propagation of the RGSM - FWS	400,000	400,000	0
02-AA-8780 M-3	BO Experimental Augmentation & Monitoring Plan - FWS	171,371	171,371	0
03-FG-2123 M-3	BO O&M RGSM Refugia - COA	109,010	109,010	0
02-FG-8120 M-2	Conservation Genetics - UNM	124,440	124,440	0
03-AA-2079 M-1	BO Monitor WIFL Sevilleta/La Joya - BOR	64,535	64,535	0
03-FC-2093 M-1	Bosque Soil Evaporation Monitoring - UNM	115,287	115,287	0
04-CR-8084	WIFL Surveys - SWCA	76,350	76,350	0
04-FG-2265	RGSM Food Habits - ISC/SWCA	124,162	124,162	0
	Non-Native Species Management	319,240	319,240	0
03-FC-2115 M-1	Riparian Evapotranspiration - UNM	319,240	319,240	0
	Water Management	1,947,285	1,947,285	0
03-WC-8860	BO Water Acquisition - BOR	1,501,433	1,501,433	0
03-FG-2121 M-1	BO Oper Improvements & Water Mgmt Decision Support - ISC	228,405	228,405	0
03-CR-8039 M-1	BO Instrument Data Collection Quantification Flows - ISC	15,113	15,113	0
03-FG-2092 M-1	Evaluation of Conveyance Losses & On-Farm Efficiency - URS	129,238	129,238	0
04-AA-2246	Data Collection Surface/Ground Water - USGS	73,096	73,096	0
	Water Quality Studies and Improvements	379,614	379,614	0
03-CR-8036 Opt 1	BO Evaluation of Bar Morphology - ISC	37,558	37,558	0
04-FG-2264	Water Quality - ISC	75,032	75,032	0
03-CR-8037 Opt 1	Study of Transient Groundwater Riparian Conditions - ISC	179,024	179,024	0
04-AA-2247	Determine Lethal Levels of Temp (Toxicity/Wtr Quality - USGS)	88,000	88,000	0
	Other: Program Support	801,997	801,997	0
03-AA-2083	BO Program Coordination & Management - BOR	225,000	225,000	0
02-AA-40-8110	Program Manager - FWS	126,997	126,997	0
	Subcommittee Support - CP	350,000	350,000	0
02-AA-40-8110	Program Manager - FWS	100,000	100,000	0
	TOTALS	6,268,414 ¹	6,100,718	144,813

¹Total appropriated amount \$6,291,361. Difference of \$22,947 resulted after distribution of funds.

²This agreement was closed out on 11/20/07 and remaining funds totaling \$22,883 were deobligated.

FINANCIAL REPORT FY 2005 as of December 31, 2009

Contractual Nos.	Main Funding Categories	Amount Appropriated	Total Expended to Date	Not Expended
	Water Acquisition	1,236,689	1,236,689	0
	Habitat Restoration	1,266,086	1,253,785	0
05-AA-2384	Overbank Flooding - COE	148,938	148,938	0
05-FG-2436	Perennial Refugia at Drain Outfall - MRGCD	86,685	86,685	0
03-NA-2113	San Juan Pueblo North Chavez Arroyo - San Juan Pueblo	199,464	199,464	0
03-AA-2074	Cont. Monitoring Activities at the Los Lunas Habitat Restoration Project - COE	77,565	77,565	0
05-CR-8121	Development & Design of San Acacia Fish Passage - FishPro	115,000	115,000	0
05-AA-2437	RGSM Fish Passage Feasibility Study at Isleta Div. Dam - COE	171,574	171,574	0
04-FG-2253	Preliminary Evaluation of Island Destabilization - ISC	67,691 ²	55,390	0
05-NA-2443	Santo Domingo Tribe Endangered Species Habitat Improvement Project - Santo Domingo	399,169	399,169	0
	Biological Opinion Monitoring	557,081	557,081	0
03-CR-8029	Population Monitoring of RGSM - ASWIRF	252,034	252,034	0
05-CR-8119	Population Estimation Study of the RGSM - ASWIRF	100,040	100,040	0
03-AA-2079	SW Willow Flycatcher Surveys & Nest Monitoring - BOR	197,360	197,360	0
02-AA-8780	Experimental Aug & Monitor Plan for RGSM - FWS	7,647	7,647	0
	Water and Minnow Management Improvement	1,520,569	1,520,569	0
04-AA-2246	Data Collection to Better Define the Interaction of Surface Water & Groundwater in the MRG Valley, NM - USGS	282,000	282,000	0
03-FG-2092	Analysis of Conveyance Optimization & On-Farm Efficiencies of	138,515	138,515	0
03-FG-2123	O&M RGSM Breeding & Rearing Facility - COA	112,450	112,450	0
02-AA-6360	O&M of Gages - USGS	54,600	54,600	0
03-FC-2093	ET Monitoring & Modeling - UNM	115,407	115,407	0
	Minnow Sanctuary - BOR	648,700	648,700	0
02-AA-8350	Propagation for 2006 - FWS	168,897	168,897	0
	Science and Monitoring	402,065	402,065	0
02-FG-8120	Monitoring Genetic Changes in the Endangered RGSM & Genetic Analysis of Alternative Captive-breeding Designs - UNM	122,569	122,569	0
02-AA-8210	Habitat Preference of RGSM in Relation to Fluvial Geomorphology & Flow Regime, MRG Valley, NM - FWS	63,413	63,413	0
03-CR-8031	Monitoring the Spatial Reproductive Periodicity of RGSM-ASWIRF	189,088	189,088	0
06-FG-2450	RGSM Survival & Recovery Activities - NMSU	26,995	26,995	0
	Program Management	390,000	390,000	0
	BOR Contracting	250,000	250,000	0
05-PE-43-0151	Collaborative Program Technical Support - Tetra Tech	140,000	140,000	0
	TOTALS	5,372,490¹	5,360,189	0

¹Total appropriated amount \$5,374,020. Difference of \$1,530 resulted after distribution of funds.

²This agreement was closed out and remaining funds totaling \$12,301 were deobligated.

FINANCIAL REPORT FY 2006 as of December 31, 2009

Contractual Nos.	Main Funding Categories	Amount Appropriated	Total Expended to Date	Not Expended
	Off-the-Top	6,311,394	6,311,394	0
	WATER ACQUISITION - BOR	3,600,000	3,600,000	0
	PROGRAM MANAGEMENT - BOR	800,000	800,000	0
06-AA-40-2554	PROGRAM MANAGEMENT - COE	200,000	200,000	0
03-FG-40-2123	RGSM Rearing & Breeding O&M - COA	82,755	82,755	0
06-AA-40-2508A	RGSM Propagation and Facility Expansions - FWS	200,000	200,000	0
02-AA-8350	Propagation of the RGSM - FWS	231,103	231,103	0
02-AA-40-8780	Experimental Augmentation & Monitoring - FWS	202,907	202,907	0
06-AA-40-2491	Minnow Rescue - FWS	590,509	590,509	0
05-PE-811079	SWFL Monitoring - BOR	187,711	187,711	0
02-AA-40-6360	MRG River Gages O&M - BOR/USGS	20,000	20,000	0
05-AA-40-2384	Overbank - Scanned Imagery - COE	19,894	19,894	0
03-PE-40-0167	NEPA-ESA compliance	176,515	176,515	0
	Habitat Restoration	3,937,077	2,979,940	957,137
06-FG-40-2549	Albuquerque Reach - ISC	2,176,500	1,304,741	871,759
04-AA-40-2251	Nature Center - COE	99,736	99,736	0
06-AA-40-2553	Alleviating RGSM Entrapment - COE	91,018	91,018	0
05-FG-40-2436	Perennial Refugia at Drain Outfall - MRGCD	91,502	91,502	0
06-NA-40-2552	Cochiti Reach - Santo Domingo	358,776	358,776	0
06-CR-40-8145	Albuquerque Reach Plan - SWCA	239,152	239,152	0
06-CR-40-8127	Update San Acacia Reach Plan	208,594	208,594	0
06-PE-40-0211	San Acacia Fish Passage NEPA - Tetra Tech	284,596	199,218	85,378
06-CR-40-8146	Isleta Reach Plan - Parametrix	387,203	387,203	0
	Science	961,073	933,153	0
03-CR-40-8029	RGSM population monitoring - ASIR	168,647	168,647	0
05-CR-40-8119	RGSM population estimation - ASIR	89,458	89,458	0
06-AA-40-2572				
06-CR-40-8144	Monitoring wetted in-stream habitat - Habitech	120,996 ¹	93,076	0
06-AA-40-2556	Canal entrainment impacts	24,766	24,766	0
06-FG-40-2551	Annual monitoring program - NMED	170,951	170,951	0
06-AA-40-2548	RGSM health assessment - FWS	386,255	386,255	0
	Water Management	111,967	108,731	3,236
06-CR-40-8147	Monitor flows in SWWF territories	38,039	38,039	0
06-AA-40-2545	Assess storage and operations with URGWOM - COE	63,770	63,770	0
06-CR-40-8128	Assessment of irrigation efficiencies - URS	10,158	6,922	3,236
	Remaining Funds	1,297,489	946,944	0
02-FG-40-8120	Genetic Methods - UNM	74,990	74,990	0
	2007 Water Acquisition	700,128	700,128	0
04-AA-40-2247	RGSM Toxicity Study via contract mod - USGS	38,410	38,410	0
06-AA-40-2554	MRG Irrigation Improvements via GSA (COE)	100,000 ²	0	0
04-AA-40-2246	GW/SW Interaction via contract mod	55,725	55,725	0
06-AA-40-2554	COE PM support for part of FY2007 via IA	3,236 ²	2,691	0
06-AA-40-2554	Spatial Analysis Forbearance via GSA (COE)	250,000 ²	0	0
05-PE-43-0151	Program Technical Support via contract mod	75,000	75,000	0
TOTALS		12,619,000	11,280,162	960,373

¹This agreement was closed out and remaining funds totaling \$27,920 were deobligated.

²This agreement was closed out and remaining funds totaling \$350,545 were deobligated.

FINANCIAL REPORT FY 2007 as of December 31, 2009

Contractual Nos.	Main Funding Categories	Amount Appropriated	Total Expended to Date	Not Expended
	Water Operations and Management	4,748,815	4,721,761	27,054
various	Water Acquisition - BOR	3,908,425	3,908,425	0
07-AA-40-2622	MRG River Gage O&M - USGS	57,320	57,320	0
06-AA-40-2545	URGWOM water ops/storage - COE	100,000	100,000	0
04-AA-40-2246	Groundwater/Surface water interaction - USGS	190,067	190,067	0
07-CS-40-8208	Decision support system - (Alb. Reach) -ISC	153,474	153,474	0
07-CS-40-8209	Groundwater Models (GW/SW interaction) - ISC	339,529	312,475	27,054
	Captive Propagation	1,064,619	1,026,839	0
02-AA-40-8780	Experimental augmentation and monitoring - FWS	174,016	174,016	0
03-FG-40-2123	Rearing/Breeding O&M Refugia - COA	156,800	156,800	0
07-AA-40-2634	Rearing/Breeding O&M Dexter - FWS	349,012	349,012	0
06-AA-40-2508A	RGSM facility expansions - Dexter - FWS	200,000	200,000	0
07-PG-43-0099	Rearing/Breeding O&M ISC naturalized refuge	37,780 ²	0	0
07-FG-40-2662	RGSM genetics - UNM	147,011	147,011	0
	Habitat Improvement (Construction, Planning & Fish Passage)	3,347,518	2,174,956	1,055,536
04-AA-40-2251	Rio Grande Nature Center HR Project - COE	237,570	237,570	0
05-FG-40-2436	HR Construction Perennial RGSM Refugia at Drain Outfalls MRGCD	41,622	0	41,622
various	Fish Passage at San Acacia	146,200	130,370	15,830
07-AA-40-2703	Albuq Reach Habitat restoration planning - COE	73,886	73,886	0
07-CS-40-8188	Velarde Reach Habitat restoration planning - Parametrix	390,024	368,093	21,931
07-NA-40-2705	SWFL Habitat at Ohkay Owingeh	115,525	115,525	0
07-FG-40-2704	Monitoring of Albuq Reach - ISC	171,288	163,918	7,370
07-NA-40-2707	Sandia Pueblo HR Project - Construction	961,481	27,304	934,177
07-FG-40-2708	Isleta Reach Riverine Restoration & Habitat Improvements - ISC	548,550	517,773	30,777
07-NA-40-2702	Santo Domingo HR Project - Construction	354,148	350,319	3,829
07-CS-40-8189	HR Planning San Marcial to EB reach specific - Tetra Tech	202,321 ³	85,295	0
07-FG-40-2671	Los Lunas HR Monitoring - SWCA	55,674 [#]	55,674	0
06-CR-40-8127	San Acacia HR Analysis and Plan	49,229	49,229	0
	RGSM Salvage	379,936	379,936	0
06-AA-40-2491	RGSM Rescue efforts FWS	352,901	352,901	0
06-AA-40-2556	RGSM egg monitoring in canals - FWS	27,035	27,035	0
	Water Quality	213,773	156,025	57,748
06-FG-40-2551	Water quality monitoring - NMED	213,773	156,025	57,748
	Other Monitoring and Research	1,688,970	1,636,140	52,830
03-CR-40-8029	RGSM population monitoring - ASWIRF	248,802	248,802	0
05-PE-811079	SWFL Surveys - BOR	235,174	235,174	0
05-CR-40-8119	RGSM population estimation - ASWIRF	144,774	144,774	0
06-AA-40-2548	Fish health assessment - FWS	339,224	305,192	34,032
03-CR-40-8031	Monitor Reproductive Periodicity of RGSM - ASWIRF	149,784	149,784	0
06-FG-40-2450	Survival & Recovery Activities - NMSU	36,101	36,101	0
06-CR-40-8147	SWFL Monitoring at Isleta Pueblo - UNM	38,001	38,001	0
various	MRG ops BA and analysis - BOR	331,497	331,497	0
07-AA-40-2711	Longitudinal movement study - FWS	25,851	8,730	17,121
07-CR-40-8204	Nutrient availability in HR construction - UNM	120,168	120,168	0
06-AA-40-2572	Enhance Instream Monitoring - USGS	19,594	17,917	1,677
	Program Management, Assessment and Outreach	2,707,741	2,136,593	571,148
07-AA-40-2672	Program management and support - COE	176,208	176,208	0
02-AA-40-8110	Program management and support (incl. 2007 forum) - FWS	60,681	60,681	0
	Program management and support - BOR	1,196,868	1,196,868	0
05-PE-43-0151	Program technical support - contracted	285,000	285,000	0
03-PE-40-0167	CP NEPA-ESA programmatic compliance - SWCA	52,073	18,627	33,446
07-PE-43-0093	CP Webpage development & maintenance	65,231	65,231	0
	CP Public outreach	15,000	15,000	0
07-AA-40-2691	GIS Database Development - COE	856,680	318,978	537,702
TOTALS		14,151,372 ¹	12,232,250	1,764,316

¹Total FY07 Allocation: \$14,189,580. Difference of \$38,208 resulted after distribution of funds.

²ISC determined that funds were not needed; therefore, \$37,780 was deobligated.

³This contract was closed out and remaining funds of \$117,026 were deobligated.

FINANCIAL REPORT FY 2008 as of December 31, 2009			1/11/2010	
Contractual Nos.	Main Funding Categories	Amount Appropriated	Total Expended to Date	Not Expended
	Water Operations and Management	5,972,662	5,773,525	199,137
various	Supplemental Water - BOR	3,048,206	3,048,206	0
various	Lease Additional Supplemental Water - BOR	2,064,587	2,064,587	0
04-AA-40-2246	Groundwater/Surface water interaction - USGS	319,850	319,850	0
06-AA-40-2545	URGWOM Modeling - COE	100,000	84,164	15,836
06-AA-40-2545	Additional Hydro Modeling - COE	100,000	0	100,000
07-AA-40-2622	USGS MRG River Gage O&M	86,440	86,440	0
07-CS-40-8208	Decision Support System -ISC	159,639	79,083	80,556
07-AA-40-2673	Additional PVA Modeling - FWS	93,940	91,195	2,745
	Captive Propagation	1,300,927	918,893	382,034
07-AA-40-2634	Rearing/Breeding O&M Dexter - FWS	349,012	349,012	0
07-FG40-2662	RGSM Genetics Study - UNM	158,956	158,956	0
08-FG-40-2743	COA Rearing/Breeding O&M	154,210	131,961	22,249
08-AA-40-2770	Experimental Augmentation and Monitoring - FWS	133,090	2,128	130,962
08-FG-40-2803	ISC Naturalized Refugia O&M	252,912	166,780	86,132
08-AA-40-2812	Fund Minnow Sanctuary O&M - FWS	252,747	110,056	142,691
	Habitat Improvement (Const., Planning & Fish Passage)	3,610,215	1,725,056	1,885,159
03-C6-40-8026	Aerial Photography - AERO-Metric, Inc.	360,367	360,367	0
04-AA-40-2251	RGSM Post-Construction Monitoring - COE	51,128	46,946	4,182
06-AA-40-2553	Alleviating RGSM Entrapment - COE	61,320	26,597	34,723
07-AA-40-2703	Complete Albq Reach HR Analysis - COE	145,073	122,056	23,017
08-FG-40-2745	Fish passage Studies at San Acacia and Isleta - COA	37,107	13,829	23,278
08-FG-40-2832	Habitat Restoration - ISC	36,000	32,925	3,075
08-FG-40-2818	Habitat Restoration - Monitoring - Sandia Pueblo	615,965	2,446	613,519
08-FG-40-2817	Habitat Restoration - SWFL Monitoring - Ohkay Owingeh	141,618	72,400	69,218
08-FG-40-2839	Habitat Restoration - Maintenance - Ohkay Owingeh	159,641	82,075	77,566
08-FG-40-2830	Habitat Restoration - Two Rivers Construction - Ohkay Owingeh	253,395	168,400	84,995
08-FG-40-2831	Habitat Restoration - Three Falls Construction - Ohkay Owingeh	203,360	99,974	103,386
08-FG-40-2838	Habitat Restoration - Construction - Santo Domingo	489,496	222,007	267,489
08-FG-40-2819	Habitat Restoration - Monitoring - Pueblo of Santa Ana	350,285	71,139	279,146
08-FG-40-2744	Habitat Restoration - Planning - Pueblo of Isleta	190,402	61,739	128,663
08-NA-40-2801	Habitat Restoration - Planning - Pueblo of Santa Clara	172,902	0	172,902
Various	Fish Passage at San Acacia	342,156	342,156	0
	RGSM Salvage	376,604	359,277	17,327
06-AA-40-2491	RGSM Rescue efforts - FWS	350,705	333,378	17,327
06-AA-40-2556	RGSM Egg Monitoring in Canals - FWS	25,899	25,899	0
	Water Quality	143,903	37,201	106,702
08-AA-40-2823	Evaluate Estrogenic BioMarker/Water Toxicity - USGS	143,903	37,201	106,702
	Other Monitoring and Research	2,070,595	1,458,358	612,237
03-CR-40-8029	RGSM Population Monitoring - ASIR	259,620	145,099	114,521
03-CR-40-8031	RGSM Reproductive Monitoring - ASIR	153,144	151,234	1,910
05-PE-81-1079	SWFL Surveys - BOR	245,965	245,965	0
05-CR-40-8119	RGSM Population Estimation - ASIR	168,288	113,830	54,458
06-CR-40-8147	Water Needs for SWFL at Isleta Pueblo - UNM	44,396	44,396	0
07-AA-40-2711	Longitudinal Movement (PIT tag studies) - FWS	71,978	71,978	0
07-CR-40-8204	Nutrient Availability on Periphyton - UNM	135,414	44,329	91,085
08-PE-43-0047	SWFL Literature Search - ERO Resources Corp.	32,876	32,876	0
08-AA-40-2777	Reintro. of Experimental RGSM Pops. (Big Bend) - FWS	133,285	84,836	48,449
8A0-40-8177A	Study Channel Realignment San Acacia - Tetra Tech	320,152	184,363	135,789
8A4-40-8177B	Study Channel Realignment San Acacia - Mussetter Eng.	325,477	177,452	148,025
08-PE-43-0054	Map Existing Data - Respec	180,000	162,000	18,000
	Program Management, Assessment and Outreach	2,535,094	1,991,742	543,352
	BOR Program Management and Support	1,276,031	1,276,031	0
	CP Public Outreach	19,937	19,937	0
05-PE-43-0151	Program Technical Support - Tetra Tech	100,000	100,000	0
07-AA-40-2672	Program Coordination and Management - COE	197,993	126,047	71,946
08-CS-40-8228	Various Administration Support & Services - GenQuest	210,081	210,081	0
08-AA-40-2737	Program Management and Support - FWS	328,303	241,057	87,246
07-PE-43-0093	CP Webpage Development & Maintenance - Ictech Inc.	25,949	19,783	6,166
07-AA-40-2691	GIS Database Development - COE	376,800	0	376,800
TOTALS		16,010,000	12,264,052	3,745,948

FINANCIAL REPORT FY 2009 as of December 31, 2009			1/27/2010 Revised	
Contractual Nos.	Main Funding Categories	Amount Appropriated	Total Expended to Date	Not Expended
	Water Operations and Management	4,418,964	4,032,042	386,922
various	Supplemental Water - BOR	3,853,708	3,853,708	0
R09-PG-40-005	Groundwater/Surface Water Interaction - USGS	219,959	0	219,959
07-AA-40-2622	USGS MRG River Gage O&M	89,148	89,148	0
07-CS-40-8208	Decision Support System -ISC	166,963	0	166,963
Activity 16a	BOR Technical Support	89,186	89,186	0
	Captive Propagation	1,975,894	241,807	1,734,087
07-AA-40-2634	Rearing/Breeding O&M Dexter - FWS	300,000	146,200	153,800
07-AA-40-2634	Rearing/Breeding O&M Dexter FY 2010 - FWS	300,000	6,420	293,580
07-FG40-2662	RGSM Genetics Study - UNM	167,251	0	167,251
08-FG-40-2743	COA Rearing/Breeding O&M	74,460	0	74,460
08-AA-40-2770	Experimental Augmentation and Monitoring - FWS	84,208	0	84,208
08-FG-40-2803	ISC Naturalized Refugia O&M	261,170	0	261,170
08-AA-40-2812	Minnow Sanctuary O&M - FWS	189,928	0	189,928
R09-PC-40-006	Reintroduction Biologist - FWS	370,000	0	370,000
08-AA-40-2777	Reintro. of Experimental RGSM Pops. (Big Bend) - FWS	139,690	0	139,690
Activity 16b	BOR Technical Support	89,187	89,187	0
	Habitat Improvement (Const., Planning, Monitoring & Fish Passage)	1,428,891	631,452	797,439
06-AA-40-2553	Alleviating RGSM Entrapment - COE	173,824	0	173,824
R09-PG-40-011	Rio Grande Nature Center Monitoring - COE	59,960	0	59,960
07-FG-40-2671	Los Lunas HR Monitoring - SWCA	52,500	52,500	0
08-FG-40-2832	Isleta Phase 2 Habitat Restoration - ISC	125,000	0	125,000
09-FG-40-2916	Two Rivers Flycatcher Habitat Expansion - Ohkay Owingeh	79,496	0	79,496
09-FG-40-2915	Three Falls Habitat Restoration - Ohkay Owingeh	47,135	0	47,135
Various	Fish Passage at San Acacia - BOR	672,899	408,346	264,553
Various	DEC Review Fish Passage at San Acacia - BOR	51,679	48,348	3,331
09AFUC-09-004	MRG River Restoration/Channel Maintenance Workshop - BOR	34,908	0	34,908
09-PG-40-8286	Comprehensive Monitoring Plan for Completed HR Projects-IA Inc.	42,304	33,072	9,232
Activity 16c	BOR Technical Support	89,186	89,186	0
	Water Quality	267,238	89,186	178,052
08-AA-40-2823	Evaluate Estrogenic BioMarker/Water Toxicity - USGS	178,052	0	178,052
Activity 16d	BOR Technical Support	89,186	89,186	0
	Other Monitoring and Research	1,555,719	569,531	986,188
R09-PC-40-005	RGSM Population Monitoring - ASIR	228,210	76,000	152,210
09-PG-40-8295	RGSM Reproductive Monitoring - ASIR	92,160	0	92,160
05-PE-81-1079	SWFL Surveys - BOR	245,965	219,435	26,530
Denver TSC	SWFL Surveys FY 2010 - BOR	260,000	15,445	244,555
R09-PC-40-005	RGSM Population Estimation - ASIR	134,206	87,000	47,206
07-AA-40-2711	Longitudinal Movement Study - FWS	64,032	0	64,032
07-CR-40-8204	Nutrient Availability on Periphyton - UNM	126,921	0	126,921
06-AA-40-2556	RGSM Egg Monitoring in Canals - FWS	20,345	137	20,208
R09-PC-40-007	RGSM Sampling Methods Calibration and Evaluation - SWCA	253,366	41,000	212,366
08-C4-40-8228	State of the Science Workshop	11,730	11,730	0
08-C3-40-8228	San Acacia Reach Workshop	29,598	29,598	0
Activity 16e	BOR Technical Support	89,186	89,186	0
	Activities Supporting Development of New BA/BC	1,357,817	624,999	732,818
Activity 39	BOR Personnel Costs to Develop New BA	580,000	580,000	0
09-PG-40-8294	PVA Data Needs - ASIR	20,000	20,000	0
R09-PX-40-005	URGWOM Modeling - BH&H Eng.	99,998	24,999	74,999
R09-PX-40-0012	Age and Growth Sample Analysis - ASIR	88,819	0	88,819
R09-PC-40-009	Test Hypotheses Re: RGSM Spawning - ISC	199,000	0	199,000
08-AA-40-2737	FWS ESA Compliance FY 2010 & 2011	370,000	0	370,000
	Program Management, Assessment and Outreach	1,695,669	957,514	738,155
Activity 15	BOR Program Management and Support	824,449	824,449	0
Activity 17	CP Public Outreach	15,000	15,000	0
07-AA-40-2672	Program Coordination and Management FY 2010 - COE	200,000	0	200,000
08-CS-40-8228	Various Administration Support & Services - GenQuest	368,251	118,065	250,186
07-PE-43-0093	CP Webpage Development & Maintenance - Ictech Inc.	26,590	0	26,590
07-AA-40-2691	GIS Database Development - COE	232,019	0	232,019
R09-PD-40-007	Independent Peer Review - SEI	29,360	0	29,360
TOTALS		12,700,192¹	7,146,531	5,553,661

¹Total FY09 Allocation: \$12,769,000. Difference of \$68,808 resulted after distribution of funds.

23. Development of an Adaptive Management Plan

Project Justification:

- **Long Term Plan** - Program Goal 2: Conserve and contribute to the listed species in the Program area; Activity 12 Other Proactive Monitoring and Research Activities
- **Biological Opinion Requirement** – The development of an adaptive management plan/program is a requirement for new BA/BO development.

Estimated Number of Project Years/Renewal Options: It is anticipated that adaptive management planning will be at least three to five (3 to 5) fiscal years, or one base year with up to four option years.

Past Accomplishments: This is a new activity. As referenced in the 2003 BiOp, Reclamation is committed to applying the concepts of adaptive management to all of its proposed Federal actions. It is expected that an adaptive management plan/program will be a component of the LTP and a requirement of the new Programmatic BO. The general framework for adaptive management applications follows the scientific perspective of managing in the face of uncertainty. These underlying premises of adaptive resource management are: 1) There is uncertainty in the systems we manage, 2) Management is necessary despite existing uncertainty, 3) Monitoring is required to evaluate decision making, and 4) Learning is important to the extent that it helps managers achieve their objectives. This approach is especially relevant to the issues facing water managers on the Middle Rio Grande. Based on the results of monitoring and research, adaptive management principles will be used to adjust future actions to benefit all resources.

Project Description: This project will develop an adaptive management plan addressing a broad array of water management and non-water strategies. For the first year, the intent is to bring together a program-wide working group, comprised of all current workgroup Co-Chairs and the PMT, along with outside personnel (Reclamation and DOI) with significant expertise in implementing adaptive management to develop an adaptive management plan and to provide guidance in avoiding pitfalls. Ultimately, the adaptive management plan will be integrated with the LTP, recovery activities, water management strategies and the assessment of species status.

Proposed FY10 Acquisition Method and Justification: New/RFP

Actual FY09 Cost: N/A

FY10 Estimated Cost: \$50,000.

Reason for Increase/Decrease: N/A

Water Conflict Management Certificate & Classes - Online

The OSU Department of Geosciences in the College of Science, with the Water Resources Graduate Program, now offers an online certificate in Water Conflict Management and Transformation in cooperation with Extended Campus (Ecampus).

Because new approaches to water resource education are necessary to adequately address the challenges of water resource and conflict management, this 18-credit certificate will provide the tools for decision-making and strategizing when faced with these global issues.



Photo courtesy of USDA NRCS.



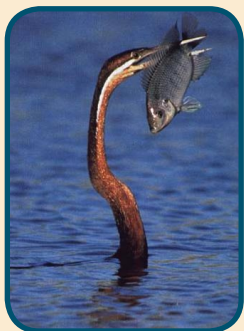
Certificate Overview & Benefits

Find workable solutions to complex water resource issues. For professionals and students who want to:

- ◆ Gain management skills in conflict transformation, strategic planning, water governance and economic development.
- ◆ Build a network and engage with university instructors, scientists, professionals and students around the world.
- ◆ Take all 18 graduate credits and earn a Certificate in Water Conflict Transformation from Oregon State University.
- ◆ Enjoy the flexibility of both on-site and online classes that fit your busy life; the entire certificate can be completed online.

Requirements

A bachelor's degree and acceptance into the Graduate School are required to complete the 18-credit certificate. Those interested in taking classes individually should meet course prerequisites and register as a non-degree student. Visit the website for more details.



Why Oregon State University?

OSU faculty specializing in the management and conservation of natural resources, including water and geosciences, are world renowned and experts in their field. **The Water Conflict Management certificate program also enjoys the strong support of the Institute for Water and Watersheds (IWW), the hub for water-related research activities at OSU.** Extended Campus is a leader in distance education, offering over 400 online classes in more than 60 subjects throughout the year, including graduate and undergraduate programs.

ecampus.oregonstate.edu/water

Water Conflict Management Curriculum - Online

Students will receive graduate-level university credits and a certificate upon successful completion of this online program. With approval, these online courses may be transferred and used in association with other graduate degree programs at Oregon State University.

Curriculum - 18 total credits required

Capstone Coursework (3 credits required)

WRP 599 - Special Topic: Water Governance and Conflict Management (3)

Capstone Practicum / Internship (3 credits required)

WRP 509 - Practicum (3)

WRP 510 - Internship (3)

Water Governance (3 credits required)

GEO 424 / GEO 524 - International Water Resources Management (3)

GEO 425 / GEO 525 - Water Resources Management in the U.S. (3)

PS 475 / PS 575 - Environmental Politics and Policy (4)

Water and Society (3 credits required)

PS 577 - International Environmental Politics and Policy (4)

SOC 481 / SOC 581 - Society and Natural Resources (4)

SOC 580 - Environmental Sociology (4)

Water and Ecosystems (3 credits required)

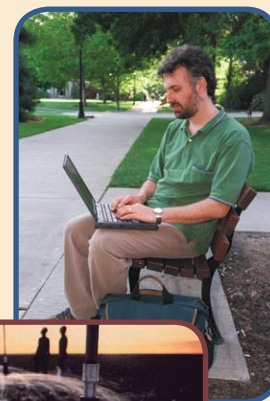
FW 479 / FW 579 - Wetlands and Riparian Ecology (3)

Water and Economics (3 credits required)

AREC 534 - Environmental and Resource Economics (3)

Course Schedule

All courses in the program will be taught at least twice each year. OSU is on the quarter system: Winter term classes start in early January; Spring term starts in early April; Summer Session has multiple sessions, most starting in late June; and Fall term starts in late September. Registration typically starts two months prior to the start of the term.



Check ecampus.oregonstate.edu (go to "Schedule of Classes") for details.

Only online course options in the Water Conflict Management and Transformation curriculum are listed above. For on-site offerings, see: www.transboundarywaters.orst.edu/training/curriculum.htm. For additional on-campus course options, visit our website below.

“ This program has the potential to positively impact how water managers operate and conduct water-related business. With this certificate, students will be better equipped to assume water-related leadership roles in Oregon, across the United States and internationally. ”

Aaron T. Wolf, Ph.D.
Project Director, Water Conflict Management and Transformation Program
Department of Geosciences, Oregon State University



For more information

General inquiries, tuition, schedule & registration

Extended Campus Student Services

800-667-1465 ■ ecampus@oregonstate.edu

ecampus.oregonstate.edu/water

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