

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
ASSISTANCE AGREEMENT**

1A. AGREEMENT NUMBER 99-FC-60-11870		1B. MOD NUMBER 023		2. TYPE OF AGREEMENT <input type="checkbox"/> GRANT <input checked="" type="checkbox"/> COOPERATIVE AGREEMENT		3. CLASS OF RECIPIENT Non-profit	
4. ISSUING OFFICE (NAME, ADDRESS) Bureau of Reclamation P.O. Box 36900 Billings, MT 59107-6900				5. RECIPIENT (NAME, ADDRESS) Nebraska Community Foundation 650 J Street Lincoln, NE 68501 EIN #: 47-0769903 County: _____ DUNS #: 129834420 Congress. Dist: _____			
6. ADMINISTRATIVE POINT OF CONTACT (NAME, ADDRESS) Lindsey Nafts Grants Officer Bureau of Reclamation Great Plains Regional Office P.O. Box 36900 Billings, MT 59107-6900 Ph. (406) 247-7684 Email: lnafts@usbr.gov				7. RECIPIENT PROJECT MANAGER (NAME, ADDRESS) Jeff Yost Nebraska Community Foundation 650 J Street Lincoln, NE 68501 Ph. (402) 323-7330			
8. GRANTS OFFICER TECHNICAL REPRESENTATIVE (NAME, ADDRESS) Maria Simpson Bureau of Reclamation Wyoming Area Office P.O. Box 1630 Mills, WY 82644 Ph. (307) 261-5697 Email: msimpson@usbr.gov				9A. INITIAL AGREEMENT EFFECTIVE DATE: 06-28-1999		9B. MODIFICATION EFFECTIVE DATE: See Block 17a	
10. COMPLETION DATE 09-30-2012							
11a. PROGRAM STATUTORY AUTHORITY P.L. 110-229, Consolidated Act of Natural Resources Act, Section 515, Platte River Recovery Implementation Program and Pathfinder Modification Project						11b. CFDA TBD	
12. FUNDING INFORMATION		RECIPIENT/OTHER		RECLAMATION		13. REQUISITION NUMBER N/A	
Total Estimated Amount of Agreement		\$10,431,153.02		\$56,846,158.39		14. ACCOUNTING AND APPROPRIATION DATA A30-1745-4995-001-00-0-0-411C-6A11000	
This Obligation				\$12,105,000.00			
Previous Obligation				\$23,715,158.39			
Total Obligation				\$35,820,158.39			
Cost-Share %				* See below for cost share information			
15. PROJECT TITLE AND BRIEF SUMMARY OF PURPOSE AND OBJECTIVES OF PROJECT <p><u>Project Title:</u> Platte River Recovery Implementation Program</p> <p><u>Notice of Additional Reservation of Funds:</u> In addition to funds previously reserved in the above agreement, \$12,105,000.00 is hereby reserved to cover payment of all earnings by the recipient. Total funding is now changed from \$23,715,158.39 to \$35,820,158.39. It is to be expressly understood the Government has no obligation to provide funds in addition to those reserved in writing.</p> <p>See Attachment I for the Scope of Work and Budget See Attachment II for the cost share description</p>							
16a. Acceptance of this Assistance Agreement in accordance with the terms and conditions contained herein is hereby made on behalf of the above-named recipient BY: <u>[Signature]</u> DATE: <u>5/17/2010</u>				17a. Acceptance of this Assistance Agreement in accordance with the terms and conditions contained herein is hereby made on behalf of the above-named recipient BY: _____ DATE: _____			
16b. NAME, TITLE, AND TELEPHONE NUMBER OF SIGNER Diane M. Wilson Chief Financial & Administrative Manager Nebraska Community Foundation Ph. (402) 323-7330				17b. NAME, TITLE, AND TELEPHONE NUMBER OF SIGNER Michael J. Ryan Great Plains Regional Director Bureau of Reclamation Ph. (406) 247-7600			

<p>18a. Acceptance of this Assistance Agreement in accordance with the terms and conditions contained herein is hereby made on behalf of the above-named recipient</p> <p>BY: <u><i>Michael K. Purcell</i></u> DATE: <u>6/1/10</u></p>	<p>19a. Acceptance of this Assistance Agreement in accordance with the terms and conditions contained herein is hereby made on behalf of the above-named recipient</p> <p>BY: <u><i>Ted Kowalski</i></u> DATE: <u>6/2/2010</u></p>
<p>18b. NAME, TITLE, AND TELEPHONE NUMBER OF SIGNER</p> <p>Michael K. Purcell Director Wyoming Water Development Office Ph. (307) 777-7626</p>	<p>19b. NAME, TITLE, AND TELEPHONE NUMBER OF SIGNER</p> <p>Ted Kowalski Colorado Water Conservation Board Ph. (303) 866-3441</p>
<p>20a. Acceptance of this Assistance Agreement in accordance with the terms and conditions contained herein is hereby made on behalf of the above-named recipient</p> <p>BY: <u><i>[Signature]</i></u> DATE: <u>5-21-10</u></p>	
<p>20b. NAME, TITLE, AND TELEPHONE NUMBER OF SIGNER</p> <p>James C. Schneider Deputy Director Nebraska Department of Natural Resources Ph. (402) 471-3141</p>	

APPROVED

AS TO FORM & CONTENT
BY NDNR LEGAL COUNSEL

[Signature] DATE 5/21/10



PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM FISCAL YEAR 2010 BUDGET AND ANNUAL WORK PLAN

Prepared by:
Executive Director's Office
Platte River Recovery Implementation Program (Program)
Kearney, Nebraska

Prepared for:
Program Governance Committee
Don Ament, Chair

Final Budget and Work Plan Recommended by Executive Director
December 1, 2009

Final Budget and Work Plan Revised and Approved by Governance Committee
December 1, 2009





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PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM FISCAL YEAR 2010 BUDGET AND ANNUAL WORK PLAN

Introduction

The Platte River Recovery Implementation Program (Program) was initiated on January 1, 2007 as a basin-wide effort between the states of Colorado, Wyoming, and Nebraska and the Department of Interior to provide land, water, and scientific monitoring and research to evaluate Program benefits for the target species. The Program is being implemented in an incremental manner, with the First Increment covering the 13-year period from 2007 through 2019. In general, the purpose of the Program is to implement certain aspects of the U.S. Fish and Wildlife Service's (Service) recovery plans for the target species that relate to the Program's identified "associated habitats" in the central Platte River by securing defined benefits for those species and their habitats. The Program will also provide ESA compliance for existing and certain new water-related activities in the Platte basin upstream of the Loup River confluence for potential effects on the target species; help prevent the need to list more Platte River species under the ESA; mitigate the adverse effects of certain new water-related activities through approved depletions plans; and establish and maintain an organizational structure that will ensure appropriate state and federal government and stakeholder involvement in the Program.

The Program is led by a Governance Committee (GC) consisting of representatives of Colorado, Wyoming, Nebraska, the Bureau of Reclamation, the Service, South Platte River water users, North Platte River water users, Nebraska water users, and environmental groups. The Program established key standing Advisory Committees to assist the GC in implementing the Program. Those committees include the Technical Advisory Committee (TAC), the Land Advisory Committee (LAC), the Water Advisory Committee (WAC), the Finance Committee (FC), and the Independent Scientific Advisory Committee (ISAC). In addition, an Adaptive Management Working Group (AMWG) has been formed to inform the GC on implementation of the Program's Adaptive Management Plan (AMP).

Dr. Jerry Kenny serves as Executive Director of the Program. Dr. Kenny and staff in the Executive Director's (ED) Office maintain offices in Nebraska and Colorado. The Executive Director's Office worked closely with the GC, the Advisory Committees, the AMWG, Program cooperators and partners, and others to develop the FY 2010 Program Budget and Work Plan based on guidance from the Final Program Document and Program goals and priorities.

This document presents the final FY 2010 Program Budget and Annual Work Plan, including the budget spreadsheet.



PROGRAM TASK & ID: ED-1. Salaries/Travel/Office Expenditures

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office (Executive Director, Headwaters Corporation staff)

Task Location
Kearney, NE; Lincoln, NE; Denver, CO

Task Description
Salaries, travel, and other direct costs associated with ED and staff in ED Office

Linkage to Priority Hypotheses in AMP
N/A

Products
Staff support for all Program activities

Notes on Cost
Detailed breakdown of budget provided in ED Contract/Office Budget; no anticipated further growth in staff levels.

Budget

	2007	2008	2009	2010
	Approved	Approved	Approved	Approved
Salaries/Travel/Office Expenditures	\$361,861	\$1,110,800	\$1,427,759	\$1,599,900



PROGRAM TASK & ID: ED-2. Administrative and Other Support Services

Program First Increment Timeline Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office

Task Location
ED Office

Task Description

Assistance to ED Office for administrative and other support services such as publishing public notices, surveying, appraisals, Phase 1 Environmental Surveys, attorneys with land or water specialty, etc.

Linkage to Priority Hypotheses in AMP
N/A

Products

Contract services support for Program activities

Notes on Cost

Individual contracts determined by ED according to need, expertise, priority, etc.

Budget

	2007	2008	2009	2010
	Approved	Approved	Approved	Approved
Administrative and Other Support Services	\$17,000	\$150,000	\$250,000	\$200,000



PROGRAM TASK & ID: ED-3. Public Outreach

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office

Task Location
ED Office (Kearney, NE)

Task Description
\$20,000/year for 3 years (2010 is year 2 of 3) for support of Crane Meadows (Hastings College in lead, NGPC also cash supporter; funds provide access to different audience, exhibit space, recognition on Interstate signage, access to office space and meeting facilities); \$20,000 for exhibitor fees and associated expenses at Husker Harvest Days, South Platte Forum, Colorado Water Congress, others of similar nature. Includes exhibit fees, publication of materials, and support of related outreach efforts of others

Linkage to Priority Hypotheses in AMP
N/A

Products
Program visibility and communication with the public

Notes on Cost
N/A

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Public Outreach	\$0	\$0	\$30,000	\$40,000



PROGRAM TASK & ID: GFC-1. NCF Fees

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office, Nebraska Community Foundation (NCF)

Task Location
ED Office; NCF (Lincoln, NE)

Task Description
Fees paid to the NCF for administration of the financial aspects of the Program in 2009. Fee paid based on sliding scale percentage of fees handled by NCF.

Linkage to Priority Hypotheses in AMP
N/A

Products
Financial support services for Program

Notes on Cost
N/A

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
NCF Fees	\$75,000	\$100,000	\$255,000	\$260,000



PROGRAM TASK & ID: GFC-2. Pulse Flow and Other Insurance

Program First Increment Timeline Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office, Dunbar-Peterson

Task Location
ED Office; insurance provider office in Omaha, Nebraska

Task Description
Insurance acquired for representatives of the GC and subcommittees (including alternates) and ED Office for certain actions that will be undertaken through Program implementation. Coverage will be for a number of actions that the Program will undertake including short duration high flow releases and because of land and equipment ownership.

Linkage to Priority Hypotheses in AMP
N/A

Products
Program insurance policy

Notes on Cost
Premium and fees negotiated with selected provider.

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Pulse Flow and Other Insurance	\$100,000	\$50,000	\$60,000	\$70,000



PROGRAM TASK & ID: GFC-3. Expenses, Meeting Rooms, etc.

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; GC; FC

Task Location
Meeting locations in NE, WY, and CO

Task Description
Limited budget amount to cover meeting room rentals for GC and FC meetings; other miscellaneous costs for holding meetings (e.g. conference call fees, AV fees)

Linkage to Priority Hypotheses in AMP
N/A

Products
Meeting space and associated needs

Notes on Cost
N/A

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Expenses, Meeting Rooms, etc.	\$5,000	\$5,000	\$5,000	\$5,000



PROGRAM TASK & ID: GFC-4. Pulse Flow Reserve

Program First Increment Timeline

One-time payment, funds held in reserve annually through First Increment

FY 2010 Start Date

January 1, 2010

FY 2009 End Date

December 31, 2010

Task Completed by

ED Office; GC; FC

Task Location

ED Office (Kearney, NE) and NCF (Lincoln, NE)

Task Description

Reserve fund for potential Environmental Account (EA) bypass-related costs.

Linkage to Priority Hypotheses in AMP

N/A

Products

Reserve fund

Notes on Cost

One-time cost held in reserve during First Increment, registered as reserved in 2009 and carried forward as Unliquidated Obligation.

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Pulse Flow Reserve	\$0	\$0	\$1,000,000	\$0



PROGRAM TASK & ID: LAC-1. Expenses, Meeting Rooms, etc.

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; LAC

Task Location
All LAC meetings are held in central Nebraska

Task Description
Limited budget amount to cover meeting room rentals for LAC meetings; other miscellaneous costs for holding meetings (e.g. conference call fees, AV fees)

Linkage to Priority Hypotheses in AMP
N/A

Products
Meeting space and associated needs

Notes on Cost
N/A

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Expenses, Meeting Rooms, etc.	\$7,500	\$7,500	\$7,500	\$7,500

**PROGRAM TASK & ID: WAC-1. Expenses, Meeting Rooms, etc.****Program First Increment Timeline**
Annual**FY 2010 Start Date**
January 1, 2010**FY 2010 End Date**
December 31, 2010**Task Completed by**
ED Office; WAC**Task Location**
Meeting locations in NE, WY, and CO**Task Description**
Limited budget amount to cover meeting room rentals for WAC meetings; other miscellaneous costs for holding meetings (e.g. conference call fees, AV fees)**Linkage to Priority Hypotheses in AMP**
N/A**Products**
Meeting space and associated needs**Notes on Cost**
N/A**Budget**

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Expenses, Meeting Rooms, etc.	\$5,000	\$5,000	\$5,000	\$5,000



PROGRAM TASK & ID: TAC-1. Expenses, Meeting Rooms, etc.

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; TAC

Task Location
Meeting locations in NE, WY, and CO

Task Description
Limited budget amount to cover meeting room rentals for TAC meetings; other miscellaneous costs for holding meetings (e.g. conference call fees, AV fees)

Linkage to Priority Hypotheses in AMP
N/A

Products
Meeting space and associated needs

Notes on Cost
N/A

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Expenses, Meeting Rooms, etc.	\$5,000	\$5,000	\$5,000	\$5,000



PROGRAM TASK & ID: LP-3. Land Acquisition

Program First Increment Timeline FY09-FY12

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; LAC; Land Interest Holding Entity (LIHE)

Task Location
Land interest locations TBD

Task Description
Funding for acquisition of interest in land (own, lease, easements, other agreements) according to implementation of the Land Plan and the AMP; fees for Platte River Recovery Implementation Foundation, the LIHE for the Program, as well as property taxes and other annual fees.

Linkage to Priority Hypotheses in AMP
Provision of land interest for implementation of AMP and two management strategies; testing of related priority hypotheses

Products
Program lands

Notes on Cost
Budget estimate assumes availability of priority land interests.

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Land Acquisition	\$0	\$6,000,000	\$7,000,000	\$6,000,000



PROGRAM TASK & ID: LP-4. Land Management

Program First Increment Timeline Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; LAC; Land Interest Holding Entity (LIHE)

Task Location
Land interest locations TBD

Task Description

Funding for non-AMP related management activities (fencing, routine agricultural operations, weed management, property maintenance, day-to-day management, non-AMP tree and channel clearing, etc.). By complex estimates:

1. Cottonwood Ranch Complex
 - a. Herbicide and Channel Disking \$13,300
 - b. Property Maintenance \$21,000
 - c. Agricultural Operations \$25,000
 - d. Total \$59,300
2. Elm Creek Complex
 - a. Property Maintenance \$80,500
 - b. Agricultural Operations \$30,500
 - c. Total \$111,000
3. Ft. Kearny Complex
 - a. Property Maintenance \$58,000
 - b. Agricultural Operations \$1,000
 - c. Total \$59,000
4. Jeffery Island
 - a. Sand and Water Habitat \$42,000
 - b. Property Maintenance \$43,500
 - c. Agricultural Operations \$49,500
 - d. Total \$134,500
5. Others
 - a. Estimate as 3@ \$75K each @ \$225,000

Total @ \$588,800



Linkage to Priority Hypotheses in AMP
N/A

Products

Program lands managed properly according to Program guidelines and “Good Neighbor” policy.

Notes on Cost

Based on estimates for work on at least seven Program properties

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Land Management	\$0	\$0	\$500,000	\$588,800



PROGRAM TASK & ID: LP-5. Cottonwood Ranch Bridge Final Design & Construction

Program First Increment Timeline
FY90-FY10

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; NPPD; Contractors (Schemmer Associates and construction contractor)

Task Location
Cottonwood Ranch

Task Description
Schemmer Associates under contract to provide design, permitting, and construction administration; design and permitting – winter 2009 and spring 2010; construction – mid to late 2010; Schemmer will provide us with a full construction bid package (construction drawings, specifications, bid documents). We will bid out the actual construction work and Schemmer will perform construction administration. The bridge will likely be in the 75' length range.

Linkage to Priority Hypotheses in AMP
N/A

Products
Final design documents, bid package, bridge over Spring Creek

Notes on Cost
Other design specifications will be developed in the fourth quarter of 2009 under a current alternatives screening project.

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Cottonwood Ranch Bridge Final Design & Construction	\$0	\$0	\$23,000	\$250,000



PROGRAM TASK & ID: LP-6. Land Plan Special Advisors

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; Contractor

Task Location
ED Offices; Contractor Offices

Task Description

The ED Office may rely on special advisors to assist in Land Plan-related issues beyond staff expertise or to assist with short-term schedule challenges. These areas may include, but not be limited to: advice on agricultural practices and markets relevant to Program land management.

Products

- Meeting participation
- Memorandums and reports

Notes on Cost
N/A

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Land Plan Special Advisors	\$0	\$0	\$0	\$50,000



PROGRAM TASK & ID: WP-1. Active Channel Capacity Improvements

Program First Increment Timeline Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; Contractor

Task Location
North Platte River and Platte River between North Platte and Grand Island

Task Description
The objective of the Active Channel Capacity Improvements task is to increase and maintain the active river channel capacity. Channel capacity improvements will assist the Program in managing water for the Short Duration High Flow tests made under the Adaptive Management Plan and in delivery of Program water to meet shortage reduction to target flow goals under the Water Plan. There are two sub-tasks:

- WP-1(a) continues efforts toward increasing channel capacity upstream of the Central Nebraska Public Power and Irrigation District (CNPPID) diversion dam to at least 3,000 cfs
- WP-1(b) is a cost share with Platte Valley and West Central Weed Management Areas to clear biomass from the river channel between the CNPPID diversion dam and Grand Island.

Products

- Cleared channel
- Cost estimates for 2011 maintenance and additional clearing efforts upstream to McConaughy and downstream to Chapman.

Notes on Cost

Costs for WP-1(b), Active Channel Capacity Maintenance Platte River for the Platte River between the CNPPID Diversion Dam and Grand Island, are based on a cost-share program with the Platte Valley and West Central Weed Management Areas. The Program funds will provide matching funds for this effort on a one for one match basis.

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
WP-1(a): N Platte Channel Above CNPPID Diversion Dam	\$0	\$40,000	\$80,000	\$50,000
WP-1(b): Platte River Between CNPPID Diversion Dam and Grand Island	\$0	\$0	\$0	\$400,000 ^a

^aMatching funds in a cost-share program with Platte Valley and West Central Weed Management Areas



PROGRAM TASK & ID: WP-5. Management Tool

Program First Increment Timeline Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; Contractor (HDR)

Task Location
ED Offices; HDR Offices

Task Description

The Conjunctive Management Tool is being developed by the HDR team and will provide an integrated surface water, ground water, and watershed model for the Platte River between Lake McConaughy and Duncan, Nebraska. It is anticipated to be a valuable tool for planning efforts under the PRRIP Water Plan. The Conjunctive Management Tool is being funded by several PRRIP participants, and in 2009 the PRRIP received authorization from these participants to use the tool for PRRIP purposes. Under this agreement, model enhancements or analyses specifically for PRRIP purposes, as well as any ED Office staff training or software needed, must be provided directly by PRRIP funds.

Products

- ED Office training and software needed to run the model
- Model analyses performed by the consultant for PRRIP purposes.

Notes on Cost

Specific expenditures of budget will be subject to Finance Committee approval

Budget

	2007 Approved	2008 Approved	2009 Approved	2010. Approved
Management Tool	\$0	\$0	\$0	\$100,000



PROGRAM TASK & ID: WP-6. Feasibility Studies

Program First Increment Timeline Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; Contractor

Task Location
ED Offices; Contractor Offices; South Platte, North Platte, and Platte River Main stem

Task Description

Feasibility studies in 2010 will be focused on the current priority projects identified in the 2009 Water Action Plan (WAP) Update. Following is a brief description of the anticipated feasibility study sub-tasks:

- WP-6(a) WAP Project No. 1, Reregulation Reservoirs – assuming (2) of the potential reregulation reservoirs will advance from current feasibility efforts (currently investigating J-2 Return, Elwood, and Elm Creek). Feasibility studies may include but not be limited to: detailed topographic surveys; detailed hydrologic investigations; detailed sediment yield analyses; updated reservoir routing analyses; intermediate geotechnical investigations; intermediate dam structure design; detailed environmental and cultural resources investigations; socioeconomic and legal evaluations; projects economic analyses; and landowner coordination.
- WP-6(b) WAP Project No. 2, Water Leasing – the ED Office will continue working with economists from private practice, University of Nebraska at Lincoln, Colorado State University, and potentially University of Wyoming to identify ways to value water and establish a water leasing market. Efforts will be coordinated with similar efforts underway by Nebraska Department of Natural Resources.
- WP-6(c) WAP Project No. 3, Water Management Incentives – the ED will continue working with biosystem engineers from the University of Nebraska at Lincoln and Nebraska Department of Natural Resources to better define water management incentive concepts.
- WP-6(d) WAP Project No. 4, Groundwater Management – feasibility studies investigating opportunities for supply development through groundwater management actions including conjunctive use of surface and ground water resources focused primarily downstream of Lake McConaughy.
- WP-6(e) WAP Project No. 6, Dawson County/Gothenburg/ Phelps County Canal Groundwater Recharge – feasibility studies may include but not be limited to: site investigations and engineering analyses; obtaining permits for demonstration projects;



developing plans and specifications, leasing existing wells for ground water management, facilities construction, operations and maintenance costs, and reporting

- WP-6(f) Miscellaneous WAP Investigations – studies in support of WAP project goals.

Products

- Feasibility study results
- Groundwater recharge demonstration project and reporting
- Cost estimates for 2011 projects , operations, and maintenance

Notes on Cost

Specific expenditures will require authorization of Finance Committee.

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
WP-6(a): WAP 1 – Reregulation Reservoirs	\$0	\$0	\$500,000	\$750,000
WP-6(b): WAP 2 – Water Leasing	\$0	\$0	\$0	\$150,000
WP-6(c): WAP 3 – Water Management Incentives	\$0	\$0	\$0	\$250,000
WP-6(d): WAP 4- Groundwater Management	\$0	\$0	\$0	\$50,000
WP-6(e): WAP 6 - NE Groundwater Recharge	\$0	\$0	\$0	\$700,000
WP-6(f): Miscellaneous WAP Investigations	\$0	\$0	\$0	\$150,000
WP-6 Total	\$0	\$0	\$500,000	\$2,050,000



PROGRAM TASK & ID: WP-7. Water Acquisition

Program First Increment Timeline Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; Contractor assistance

Task Location
Nebraska, Colorado, Wyoming

Task Description

The purpose of this task is to establish reserved but readily accessible funds for water rights evaluations and water acquisition, if opportunities should arise. Existing opportunities brought to the Program include approximately 100 acre-feet of ground water and 1,000 acre-feet of surface water. Additional opportunities are anticipated to become available.

Products

- Water rights evaluations
- Water rights permits/proof of ownership

Notes on Cost

None of the 2009 budget was used or obligated.

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Water Acquisition	\$0	\$0	\$500,000	\$500,000



PROGRAM TASK & ID: WP-8. Water Plan Special Advisors

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; Contractor

Task Location
ED Offices; Contractor Offices

Task Description
The ED Office may rely on special advisors to assist in Water Plan-related issues beyond staff expertise or to assist with short-term schedule challenges. These areas may include, but not be limited to: water law, water rights, economics, and hydro-geology.

Products

- Meeting participation
- Memorandums and reports

Notes on Cost
N/A

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Water Plan Special Advisors	\$0	\$0	\$0	\$150,000



PROGRAM TASK & ID: WP-9. Miscellaneous Water Resources Studies

Program First Increment Timeline Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; Contractor

Task Location
ED Offices; Contractor Offices

Task Description

The purpose of this task is to establish reserved but readily accessible funds for water resources studies and investigations, if necessary, to meet the Water Plan objectives. These investigations would be related to but not necessarily limited to specific Water Action Plan alternatives.

Specific studies may include topics such as:

- ET research and measurement from non-crop vegetation
- Channel loss/bank storage
- Surface water and ground water interactions in river and riparian areas
- Specific investigations of other components of hydrologic cycle in specific locations

Products

Reports and study results

Notes on Cost

Specific expenditures would require approval from the Finance Committee.

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Misc. Water Studies	\$0	\$0	\$0	\$200,000



PROGRAM TASK & ID: PD-4. AMP Workshops

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; AMWG; ED Office special advisors

Task Location
ED Office (Kearney, NE and Lincoln, NE); various meeting locations

Task Description
Expenses for at least three workshops on AMP implementation and development of Mock Report; meeting room rentals, document preparation, workshop supplies, associated expenses.

Linkage to Priority Hypotheses in AMP
Fundamental to all priority hypotheses; priority action for future implementation of AMP and monitoring/research related to pulse flows and implementation of the Water Plan and Land Plan

Products
AMP Implementation Mock Report

Notes on Cost
N/A

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
AMP Workshops	\$50,000	\$75,000	\$10,000	\$10,000



PROGRAM TASK & ID: PD-12. Model Application

Program First Increment Timeline
FY2009-FY2012

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; AMWG; TAC; contractor

Task Location
ED Office (Kearney, NE; Lincoln, NE; Denver, CO); various meeting locations

Task Description
Money for HEC-RAS model for full associated habitats (builds on smaller scale HEC-RAS model now in development by Flatwater Group under sediment augmentation contracts); application of existing model with Program data and conditions; not new model development.

Linkage to Priority Hypotheses in AMP
Fundamental to generating information related to all priority hypotheses.

Products
HEC-RAS 1-D model for river stretch from North Platte, NE to Chapman, NE

Notes on Cost
RFP will be developed and presented to GC for approval in December 2009; RFP will not be issued publicly until January 2010.

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Model Application	\$0	\$0	\$360,000	\$400,000



PROGRAM TASK & ID: PD-13. Sediment Augmentation Feasibility Analysis, Design, and Permitting

Program First Increment Timeline
FY2009-FY2010

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; AMWG; TAC; contractor (The Flatwater Group)

Task Location
ED Office (Kearney, NE and Lincoln, NE); various meeting locations

Task Description
Contract award to Flatwater Group in FY09 for Phase I Scope of Work; contract commits Program to \$400,000 in FY09 funds (UO in FY10) for Phase I; Phase II funded with new money in FY10 (final design and securing appropriate permits); Phase III (sediment augmentation implementation) will be funded in FY11 under a separate contract.

Linkage to Priority Hypotheses in AMP
Fundamental to priority hypotheses related to sediment deficit and implementation of Flow-Sediment-Mechanical management strategy identified in AMP.

Products
Feasibility study, construction design, and appropriate permits

Notes on Cost
N/A

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Sediment Augmentation Feasibility Analysis, Design, & Permitting	\$0	\$0	\$400,000	\$200,000



PROGRAM TASK & ID: PD-19. Flow Consolidation Conceptual Design

Program First Increment Timeline
FY2010-FY2011

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; NPPD; contractor

Task Location
ED Office (Kearney, NE; Lincoln, NE; Denver, CO); Cottonwood Ranch

Task Description
Contractor will be hired to develop a conceptual design for a flow consolidation experiment at Cottonwood Ranch. Task will include evaluating options for flow consolidation, general design of any structures needed to implement flow consolidation, associated modeling, evaluation across a range of flow conditions, project lifespan, impacts on upstream/downstream flows and sediment transport, and summary of required permits. Purpose of the conceptual design is to put a flow consolidation action "on the shelf" in terms of concept to consider for implementation at a later date.

Linkage to Priority Hypotheses in AMP
Flow consolidation is considered a primary action in the AMP as part of the FSM management strategy.

Products
Report and conceptual design of preferred consolidation alternative

Notes on Cost
RFP would be drafted for GC approval at March 2010 meeting; contractor would be hired and funds would be committed in FY2010; final report would be expected in FY2011.

Budget

	2007	2008	2009	2010
	Approved	Approved	Approved	Approved
Flow Consolidation Conceptual Design	\$0	\$0	\$0	\$200,000



PROGRAM TASK & ID: LP-2. FSM/MCM Actions at Habitat Complexes

Program First Increment Timeline Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; contractors

Task Location
Cottonwood Ranch Complex; Elm Creek Complex; Wyoming Property Complex; Dippel habitat site; Mormon Island habitat site

Task Description
Combination of FY09 LP-2 and LP-5; channel widening, island building/shaping, vegetation management, other AMP activities; includes FSM test site actions at Elm Creek (clearing and leveling from bridge to NPPD constructed island). By-complex estimates:

1. Cottonwood Ranch Complex	
a. Off-Channel Sand and Water	\$600,000
b. Channel Widening	<u>\$120,000</u>
Sub-Total	\$720,000
2. Elm Creek Complex	
a. Nesting Islands/Tree Clearing	\$140,000
b. Channel Clearing/Leveling	<u>\$110,000</u>
Sub-Total	\$250,000
3. Ft. Kearny Complex	
a. Nesting Islands/Tree Clearing	\$100,000
4. Dippel Habitat Site	
a. Nesting Islands	\$100,000
5. Mormon Island Habitat Site	
a. Nesting Islands	<u>\$100,000</u>
TOTAL	\$1,270,000

Linkage to Priority Hypotheses in AMP

Habitat complexes for implementation of AMP actions and testing of priority hypotheses



Products

Tern/plover nesting islands, minimum channel widths, and minimum unobstructed widths at habitat complexes for evaluation of target species use

Notes on Cost

Per-complex cost estimates based on ongoing Program habitat enhancement work and estimates of type and amount of work needing to be completed in FY2010 at habitat complexes; bid packages will be developed for FC approval once permits process is underway or completed and will be opened in summer 2010; work will be completed in fall/winter 2010 and winter 2011; work at Dippel and Mormon Island sites dependent on GC approval of spending Program dollars on non-Program properties to further science learning important for assessing Program management objectives and priority hypotheses

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
FSM/MCM Actions at Habitat Complexes	\$0	\$1,400,000	\$200,000	\$1,270,000



PROGRAM TASK & ID: PD-15. AMP Permits

Program First Increment Timeline Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; contractor (HDR)

Task Location
ED Office (Kearney, NE and Lincoln, NE)

Task Description
Contract assistance from HDR to secure proper regional general or site-specific permits for construction of tern/plover islands, channel widening, and other associated activities at five complexes/habitat sites in FY2010. Includes setting up meetings with proper Corps personnel and developing appropriate permit package for Corps review and approval.

Linkage to Priority Hypotheses in AMP
Necessary to ensure implementation AMP management actions

Products
Permit(s)

Notes on Cost
HDR under contract as a sub-contractor to The Flatwater Group through FY2010 to complete permitting work related to sediment augmentation; additional work by HDR on other AMP-related permits would be completed as an extension of this existing contract

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
AMP Permits	\$0	\$0	\$10,000	\$50,000



PROGRAM TASK & ID: PD-16. Invasives Strategy

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office and partners

Task Location
Land on central Platte River

Task Description
Program involvement in researching/treating/removing/managing phragmites (and other invasives)

Linkage to Priority Hypotheses in AMP
Phragmites and other invasives influence effects of AMP management actions such as SDHF, sediment augmentation, and vegetation management

Products
Involvement in invasives management projects such as Phragmites spraying and removal

Notes on Cost
N/A

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Invasive Strategy	\$0	\$0	\$100,000	\$100,000



PROGRAM TASK & ID: PD-18. AMP-Related Equipment

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office

Task Location
Central Platte River

Task Description
Maintenance of airboat and other equipment utilized for AMP activities; acquisition of small equipment like mowers, trailers, and a small-grade commercial chipper

Linkage to Priority Hypotheses in AMP
Specific equipment important as management and monitoring tools related to AMP implementation

Products
Airboat maintenance; small equipment (mowers, trailers, small-grade commercial chipper)

Notes on Cost
All equipment will be acquired as per the Program Procurement Policy

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
AMP-Related Equipment	\$0	\$0	\$140,000	\$50,000



PROGRAM TASK & ID: G-2. Aerial Photography

Program First Increment Timeline Annual

FY 2010 Start Date
May 1, 2010

FY 2010 End Date
June 30, 2010

Task Completed by
Contractor (Cornerstone Mapping)

Task Location
Central Platte River, NE

Task Description
Acquire annual aerial photography as per protocol

Linkage to Priority Hypotheses in AMP
Year 2 of a three-year contract (Cornerstone Mapping, Inc.) to acquire annual aerial photography as per protocol

Products
CIR digital aerial photographs

Notes on Cost
N/A

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Aerial Photography	\$10,000	\$10,000	\$40,000	\$21,000



PROGRAM TASK & ID: G-5. Geomorphology/In-Channel Vegetation Monitoring

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
Contractor (Ayres/Olsson)

Task Location
Central Platte River

Task Description
Year 2 of three-year contract (Ayres Associates) to implement monitoring protocol

Linkage to Priority Hypotheses in AMP
Collected data critical to evaluating numerous AMP priority hypotheses related to river process and habitat creation/maintenance

Products
Protocol data – transect surveys, longitudinal profile, vegetation surveys, etc.

Notes on Cost
Integration of peer review comments may require change in final budget figure

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Geomorphology/In-Channel Vegetation Monitoring	\$0	\$95,000	\$395,000	\$300,000



PROGRAM TASK & ID: H-2. Program Stream Gages

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; contractor

Task Location
Central Platte River

Task Description
Maintenance of existing Program gages at Lexington, Cottonwood Ranch, and Shelton; potential new gages for specific research such as at the FSM test site at Elm Creek

Linkage to Priority Hypotheses in AMP
Stream gages provide data to test priority hypotheses, including all key Tern/Plover, Whooping Crane, Flow, Sediment, and Mechanical hypotheses.

Products
Gage maintenance and new gages

Notes on Cost
N/A

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Program Stream Gages	\$0	\$29,500	\$30,000	\$50,000



PROGRAM TASK & ID: IMRP-2. Adaptive Management Plan Directed Research Projects

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; contractors

Task Location
Central Platte River

Task Description
\$300,000 for directed research related to FSM test site at Elm Creek and possible site at Kearney (bar formation/evolution/movement, vegetation scour, river morphology); \$25,000 to partially fund UNL PhD research project in adaptive management under IGERT grant

Linkage to Priority Hypotheses in AMP
Research projects will be developed according to Program need and will be directly related to key science questions tied to AMP implementation and priority hypotheses

Products
Research results

Notes on Cost
Workshop in December 2009 will help establish priorities for FSM test site research; RFP will be developed for GC approval at March 2010 meeting; work will be largely completed in FY2010 to prepare for sediment augmentation and SHDF in FY2011; FSM test site research will include 2-D modeling of site to build on Program 1-D model; Program staff will work with members of Program advisory committees and GC to develop project idea for UNL student

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Adaptive Management Plan Directed Research Projects	\$0	\$0	\$700,000	\$325,000



PROGRAM TASK & ID: IMRP-3. Adaptive Management Plan Special Advisors

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; special advisors

Task Location
ED Office (Kearney, NE and Lincoln, NE); various locations of advisors

Task Description
Advisors on AMP-related specialty topics such as ecological statistics, geomorphology, and decision analysis; review Program documents, attend workshops and meetings, assist with development of experimental design, research/monitoring goals and objectives, and data analysis

Linkage to Priority Hypotheses in AMP
Special advisors fill important areas of expertise necessary to evaluate effects of Program management actions and progress toward AMP management objectives

Products
Review of Program documents and advice on specific actions related to AMP implementation

Notes on Cost
Advisors include Brad Anderson and Chester Watson (consultants; geomorphology), Drew Tyre (UNL professor; experimental design and ecological statistics), Jamie McFadden (UNL graduate student; rapid prototype model refinement/development)

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Adaptive Management Plan Special Advisors	\$0	\$0	\$0	\$150,000



PROGRAM TASK & ID: PD-8. Database Management System Development & Maintenance

Program First Increment Timeline Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; Riverside Technology, Inc. (RTi)

Task Location
ED Office (Kearney, NE); contractor (RTI) in Ft. Collins, CO

Task Description
2010 activities include completion of Phase II of database System development and ongoing System maintenance. Phase II includes development of new Program web site, document management system, relational database, and spatial mapping application. Phase II will begin in the fourth quarter of 2009 and is expected to be completed by mid-2010. The contractor will transition to System maintenance, which includes housing and maintaining all components.

Linkage to Priority Hypotheses in AMP
System will house and manage all Program administrative and technical data.

Products
Program database System to include public web site, document management/collaboration site, relational database, and spatial mapping application.

Notes on Cost
Phase II contractor budget is \$529,795. A total of \$195,542 of remaining FY2009 funds will be used for Phase II. FY2010 budget includes remainder of contractor Phase II budget as well as money for software and storage space that may need to be purchased by the Program.

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Database Management System Development/Maint.	\$150,000	\$159,000	\$200,000	\$370,000



PROGRAM TASK & ID: PS-2. Lower Platte River Stage Change Study

Program First Increment Timeline FY2008-FY2010

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
March 31, 2010

Task Completed by
Contractor (HDR)

Task Location
Lower Platte River, NE

Task Description
HDR Team under contract to complete in FY10

Linkage to Priority Hypotheses in AMP
Link to all pallid sturgeon hypotheses

Products
Final report and modeling tool

Notes on Cost
Additional funding in 2010 will cover final clean-up of tool and additional meetings/discussion with ED Office staff and Program advisory committees; HDR attendance and presentation at February 17-18, 2010 AMP Reporting Session; and HDR attendance and presentation at GC meeting in March 2010.

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Lower Platte River Stage Change Study	\$200,000	\$200,000	\$15,000	\$50,000



PROGRAM TASK & ID: TP-1. Tern & Plover Monitoring

Program First Increment Timeline
Annual

FY 2010 Start Date
April 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; Program partners

Task Location
Central Platte River, NE

Task Description
Implement monitoring protocol during nesting season; develop contract mechanism to ensure protocol is fully implemented and managed in the field; Program staff will coordinate and lead field work, but seasonal technicians or other temporary staff may be necessary to work with Program staff and partners to properly collect data; monitoring effort will increase in FY2010 to ensure proper data collection for nest selection evaluation at both utilized nest sites and non-utilized nest sites; elevation, vegetation, and other detailed data will be collected on Program islands where nesting does and does not occur (for comparison) and on non-Program islands that are considered available habitat

Linkage to Priority Hypotheses in AMP
Links to all priority tern and plover hypotheses

Products
Annual report detailing nest activity, bird activity, and habitat conditions; data for longer-term analysis of effects of Program actions

Notes on Cost
Integration of peer review comments may require change in final budget figure

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Tern & Plover Monitoring	\$14,000	\$20,000	\$100,000	\$150,000



PROGRAM TASK & ID: TP-3. Forage Fish Monitoring

Program First Increment Timeline
Annual

FY 2010 Start Date
July 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; Program partners

Task Location
Central Platte River, NE

Task Description
Implement monitoring protocol; develop contract mechanism to ensure protocol is fully implemented and managed in the field

Linkage to Priority Hypotheses in AMP
Direct link to T2 and T2a – tern productivity is related to prey base (fish).

Products
Annual report, including data analysis

Notes on Cost
Integration of peer review comments may require change in final budget figure

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Forage Fish Monitoring	\$5,000	\$7,500	\$50,000	\$50,000



PROGRAM TASK & ID: TP-4. Tern/Plover Foraging Habits Study

Program First Increment Timeline
FY2009-FY2010

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
Contractor (USGS)

Task Location
Central Platte River, NE

Task Description
USGS under contract to complete two-year study in FY2010

Linkage to Priority Hypotheses in AMP
Linked to priority tern and plover hypotheses that relate to forage and productivity.

Products
Final report

Notes on Cost
Study could be extended to third year depending on quality/quantity of data collected, but third year would be funded with new money in FY2011

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Tern/Plover Foraging Habits Study	\$0	\$40,000	\$60,000	\$140,000



PROGRAM TASK & ID: WC-1. Whooping Crane Monitoring

Program First Increment Timeline
Annual

FY 2010 Start Date
March 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
Contractor (AIM Consultants)

Task Location
Central Platte River, NE

Task Description
Year 3 of three-year contract (AIM Consultants) to implement monitoring protocol

Linkage to Priority Hypotheses in AMP
Provides whooping crane use and occurrence data linked to all whooping crane hypotheses.

Products
Spring and fall report; data analysis

Notes on Cost
Contract will be renewed or RFP will be issued for whooping crane monitoring for FY2011 and beyond

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Whooping Crane Monitoring	\$130,000	\$130,000	\$150,000	\$150,000



PROGRAM TASK & ID: WC-3. Whooping Crane Telemetry Tracking

Program First Increment Timeline
FY2010-FY2014

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
Whooping Crane Recovery Team (includes FWS and Trust)

Task Location
Whooping crane migration route; central Platte River, NE

Task Description
First year of four-year study; Program will contribute another \$125,000 in FY2010

Linkage to Priority Hypotheses in AMP
Links to all priority whooping crane hypotheses

Products
Annual reports

Notes on Cost
Platte River Whooping Crane Maintenance Trust is coordinating project for the Whooping Crane Recovery Team and will receive Program funds

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Whooping Crane Telemetry Tracking	\$0	\$125,000	\$125,000	\$125,000



PROGRAM TASK & ID: WMV-2. Wet Meadows Information Review and CEM Refinement

Program First Increment Timeline FY2010

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
Contractor

Task Location
Contractor location TBD

Task Description
Complete wet meadow information review and refine Conceptual Ecological Model and wet meadow hypotheses/priorities

Linkage to Priority Hypotheses in AMP
Links to all wet meadows priority hypotheses, including WM-2, WM-3, WM-4, and WM-8a.; links to whooping crane hypotheses, particularly WC 4.

Products
Comprehensive literature review and report; refined wet meadows CEM

Notes on Cost
RFP opened to public in November 2009; funds will be obligated, spent, and contractor will complete work in 2010.

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Wet Meadows Information Review and Refinement of CEM	\$0	\$32,400	\$50,000	\$50,000



PROGRAM TASK & ID: WQ-1. Water Quality Monitoring

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
Contractor (EA)

Task Location
Central and lower Platte River, NE; specific monitoring on Program lands in central Platte River

Task Description
Year 2 of a three-year contract (EA) to implement the water quality monitoring protocol; objective of Platte River water quality monitoring is to determine the range and variation, both spatially and temporally, of selected water quality parameters around Program lands in the central Platte River and in the lower Platte River under a range of flow and seasonal conditions.

Linkage to Priority Hypotheses in AMP
Key data for evaluation of several pallid sturgeon priority hypotheses (PS-1, PS-5, PS-9) for the lower Platte River and target species priority hypotheses in the central Platte River (T2, T2a, P2, WC1).

Products
Annual report and data analysis; annual budget estimates

Notes on Cost
Integration of peer review comments may require change in final budget figure

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
Water Quality Monitoring	\$0	\$40,000	\$184,000	\$180,000



PROGRAM TASK & ID: ISAC-1. ISAC Stipends & Expenses

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; Independent Scientific Advisory Committee (ISAC)

Task Location
Basin meeting locations TBD

Task Description

- Six ISAC members x 3 meetings x 3-day meetings x \$1,000 per ISAC member per day = \$54,000
- Additional stipend for ISAC chair to complete FY2010 report = \$10,000
- Ten days of additional document review x six ISAC members = \$64,000
- Travel expenses for ISAC members and associated meeting expenses = \$22,000

Linkage to Priority Hypotheses in AMP

Key element of independent scientific review of AMP, IMRP, management strategies, and associated priority hypotheses

Products

ISAC review of Adaptive Management Plan (AMP), experimental design, and other Program products and activities; work will culminate in annual report by the end of 2010

Notes on Cost
N/A

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
ISAC Stipends & Expenses	\$75,000	\$115,000	\$70,000	\$150,000



PROGRAM TASK & ID: PD-3. AMP & IMRP Peer Review

Program First Increment Timeline
Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
Peer Review Panelists

Task Location
Various locations of Peer Reviewers

Task Description
Stipends for up to three peer reviewers for the final report from the Sediment Augmentation Feasibility Analysis, Design, and Permitting project; funding for peer review of additional Program reports/documents generated in 2010 related to AMP implementation

Linkage to Priority Hypotheses in AMP
Independent peer review of key documents ensures projects like the Sediment Augmentation Feasibility Analysis are consistent with Program goals and objectives

Products
Peer review reports for each reviewed document

Notes on Cost
Includes peer review of Program term and plover research protocol by at least three independent peer reviewers

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
AMP & IMRP Peer Review	\$50,000	\$105,000	\$50,000	\$50,000



PROGRAM TASK & ID: PD-11. AMP Reporting

Program First Increment Timeline Annual

FY 2010 Start Date
January 1, 2010

FY 2010 End Date
December 31, 2010

Task Completed by
ED Office; AMWG

Task Location
ED Office (Kearney, NE and Lincoln, NE); Denver, CO

Task Description
Production and presentation of Mock Report for AMP implementation; AMP Reporting Session in Denver, CO

Linkage to Priority Hypotheses in AMP
Evaluation of AMP experimental design, planned data analysis, decision trees, and discussion of likely outcomes of management actions will help to keep monitoring, research, and data analysis on target for evaluation of priority hypotheses and AMP management activities.

Products
Mock report; AMP Reporting Session in Denver, CO

Notes on Cost
Potential production and presentation costs; work on Mock Report will be done by Program staff with assistance from Program advisory committees, special advisors, and ISAC; AMP-related contractors will be required to attend the AMP Reporting Session (scheduled for February 17-18, 2010 in Denver) so travel and associated meeting expenses will be covered if not already covered under existing contracts/agreements

Budget

	2007 Approved	2008 Approved	2009 Approved	2010 Approved
AMP Reporting	\$0	\$10,000	\$10,000	\$70,000

Agreement No. 99-FC-60-11870
Modification No. 23
Attachment II

PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM

ATTACHMENT 1

**FINANCE DOCUMENT
CREDITING AND EXIT PRINCIPLES
AND
PROGRAM BUDGET**

PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM
Attachment 1

Finance Document
Crediting and Exit Principles
And
Program Budget

December 7, 2005

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I. INTRODUCTION

A. Purposes

The purposes of this document are (1) to establish credits for certain cash, cash equivalent, water, and land contributions made by or on behalf of the parties to the Platte River Recovery Implementation Program Cooperative Agreement (the Program); (2) to provide guidance for use in determining other credits earned by or on behalf of the parties during the First Increment of the Program; (3) to establish principles for disposition, should the Program terminate, of assets acquired or contributed to accomplish the objectives of the Program; (4) to provide guidance on the ESA credits that might be available for use in consultation with the Fish and Wildlife Service should the Program terminate; and (5) detail the Program budget and the cash flow requirements for the First Increment of the Program.

B. Definitions of Terms

1. **Cash Contributions** - The respective amount of money that each signatory will contribute to the Program Budget during the First Increment. The records of the Financial Management Entity (FME) will be used to determine the amount and date of each signatory's actual cash contributions.
2. **In-kind Contributions** - During the First Increment of the Program, signatories may elect to be "Water Project Sponsors" or "Sponsors of Program Lands," as defined in Sections VIII.C and VIII.D of Attachment 6, respectively, in lieu of making their required Cash Contributions. In addition, a signatory may propose and the Governance Committee may approve agreements whereby signatories elect to provide technical or other services as in-kind contributions in lieu of making its Cash Contribution. The agreements between the signatory and the Governance Committee documenting these transactions will include the credit the signatory will receive toward its respective Cash Contribution. In addition, the agreements will address the disposition of the Program Assets provided by the in-kind contribution in the event of Program dissolution. (In-kind contributions do not include the costs associated with providing representatives on the Governance Committee, Oversight Committee or other committees established by the Governance Committee.)
3. **Cash Equivalents** - The states of Colorado, Nebraska, and Wyoming (the states) will be contributing water from the three initial Program water projects and the use of lands for Program purposes, herein defined as Cash Equivalents, in order to match, in part, the Cash Contributions of the Department of the Interior (DOI). During the Program, additional Cash Equivalent Contributions to the Program may be proposed. Such contributions will need to be approved by the Governance Committee before any crediting is authorized. The review and ultimate approval will have two elements: (1) whether the activity merits Cash Equivalent credit, and (2) if so, in what amount (potentially measured by value to the Program in meeting its First Increment objectives rather than by the level of expenditure).

4. Program Assets - Subject to the provisions in Section III, those assets acquired through the Cash Contributions of the signatories are considered Program Assets for purposes of this Attachment 1. Program Assets include, but are not limited to, land interests acquired through fee title, easements, or leases to the extent such easements and leases survive Program termination. Program Assets also include water interests and projects acquired through project construction or leases to the extent such leases survive Program termination. While the water from the three initial Program water projects and the use of Cottonwood Ranch and Deer Creek lands are considered Cash Equivalents for purposes noted in Section I.B.3 above, the projects and lands are not Cash Equivalents or Program Assets for purposes of determining a Signatory's Share of Program Assets as provided in Section I.B.5 below and those projects and lands are not subject to disposition by the Governance Committee. Neither Program dissolution nor withdrawal of a signatory party will have any impact on the ownership of any such projects or lands nor will it have any effect on the rights of the state where the project or land is located, or of entities within that state, to administer the project or land in accordance with applicable law.

5. Signatory's Share of Program Assets - Each signatory's respective share of the Program Assets will be equal to that signatory's total cash contributions at the time of Program dissolution compared against the total Cash Contributions made by all of the signatories at the time of Program dissolution. For example, if Signatory A has made Cash Contributions totaling \$3M to the Program and all of the signatories, including Signatory A, have made cash contributions totaling \$100M to the Program at the time of dissolution, Signatory A would have an interest in 3% of the Program Assets.

II. CREDITING UNDER THE PROGRAM

The following table depicts the Cash Contributions and Cash Equivalent Contributions that will be provided by the DOI and the states during the First Increment of the Program:

Program Contributions (values in millions of dollars)				
Contributions	Total	DOI	States	Description
Cash	187.14	157.14	30.0	Colorado – 24.0; Wyoming 6.0
Cash Equivalents				
Land	10.0		10.0	Cottonwood Ranch/Deer Creek Lands
Water	120.19		120.19	Water from three initial projects
Total	317.33	157.14	160.19	

III. DISTRIBUTION OF PROGRAM ASSETS AND ESA CREDITS FOLLOWING PROGRAM TERMINATION OR SIGNATORY WITHDRAWAL

A. Principles Governing Dissolution of the Program

Consistent with section II.E. of the Program Agreement, if the Secretary of the Interior and the Governors of Colorado, Nebraska and Wyoming decide to dissolve the Program before the end of the First Increment or to not pursue a second increment of the Program, or if the Program is dissolved as the result of a signatory's withdrawal, the Program Governance Committee is dissolved and the signatories agree to form a signatory committee to satisfy the signatories' existing legal obligations under contracts and arrange for disposition of Program Assets. Other members of the Program Governance Committee may be invited to advise signatories in that regard. In the event that any signatory is unable or unwilling, following a decision to dissolve the Program, to continue to participate on such signatory committee, the remaining signatories shall be fully empowered to make such decisions and take such actions as are necessary to meet the signatories' legal obligations under the contracts with the Financial Management Entity (FME) and the Land Holding Entity (LHE) and properly dispose of Program Assets.

1. The signatory committee will remain functional until such time as the signatories' legal obligations under existing contracts and agreements are met and the disposition of Program Assets is resolved, including any outstanding payments due and payable to a "Water Project Sponsor" or "Sponsors of Program Lands." Until an asset is no longer the responsibility of the signatories, the signatories agree to ensure that FME will continue to pay property taxes and retain liability insurance. The signatories agree to manage the property in compliance with the "good neighbor" policy.
2. A signatory or a partnership of signatories may wish to purchase the shares in the Program Assets of any signatory or signatories wishing to sell, under the condition that the Program Assets will continue to be managed to provide habitat for the target species. If this occurs, the signatory committee will have the FME acquire the services of an independent appraiser to complete an appraisal of the Program Assets. The appraisal will be based on the continued use of the Program Asset to provide habitat to the target species. If the Program Governance Committee had previously established the appraised value or a method for determining the appraised value of a particular Program Asset in the event of Program dissolution, that value or method shall be used. The signatory or partnership of signatories may purchase the shares of the selling signatories at a price equal to the respective selling signatories' share of the Program Assets times the appraised value of the Program Assets. If the purchased Program Assets are land, those lands will be held by the Land Holding Entity or a successor selected by the purchaser and approved by the signatory committee as a condition of the sale. (A signatory state may offer to donate its interest in a Program Asset to another signatory or partnership of signatories and seek ESA credit from FWS in future reinitiated consultations in that state for the continuing benefits provided to the target species as a result of the donation.)
3. If none of the signatories are interested in acquiring Program Assets as described in Section III.A.2 above, the signatory committee will entertain offers from water user

and environmental entities to purchase the Program Assets under the condition that the Program Assets will continue to be managed to provide habitat for the target species. If the purchased Program Asset is land, that land will be held by the Land Holding Entity or a successor selected by the purchaser and approved by the signatory committee as a condition of the sale. The proceeds of the sale, after expenses, will be distributed to the signatories in accordance with their respective Signatory's Share of the Program Assets.

4. If the Program Assets are not purchased in accordance with Sections III.A.2 or 3 above, the signatory committee shall oversee the sale of such assets. Such sale may be made without the condition that the Program Asset must be managed to provide habitat for the target species. The proceeds of the sale, after expenses, will be distributed to the signatories in accordance with their respective Signatory's Share of the Program Assets.

B. ESA Credits

In the event of Program dissolution, if a state agrees to and continues to carry out the responsibilities it had under the Program, there is a presumption that such actions are sufficient to provide ESA compliance with respect to all water related activities in that state until any reinitiated consultations have been completed. When a state agrees to and continues to carry out the responsibilities it had under the Program, that state and any water related activities covered also retain the right to argue that the responsibilities undertaken are sufficient to constitute long term ESA compliance for the reinitiated consultations. FWS agrees to consider these undertakings in any reinitiated Section 7 consultations, including in the development of new reasonable and prudent alternatives or other measures.

In addition, to the extent the states respective contributions of cash, water (through the initial Program water projects), and land (Cottonwood Ranch and Deer Creek lands) will continue to benefit the target species beyond the dissolution of the Program, the states retain the right to argue that such future benefits resulting from their contributions should be considered in any reinitiated consultations. The FWS will give due consideration to these contributions and their resulting subsequent benefits to the target species and habitat in any reinitiated consultations.

IV. PROGRAM BUDGET AND CASH FLOW REQUIREMENTS

Activity	Estimated Cash Needs in 2005 Dollars (Millions)	Cash Equivalent Credit (Millions)
Water (130-150KAF)		
Three State Water Projects (80KAF) ^{1,*}		\$120.19
Water Conservation/Supply (60KAF) ²	\$90.14	
Project Permitting ³	\$1.35	
Bypass	\$3.08	
Channel Capacity Issues	\$1.00	
Subtotal Water	\$95.57	\$120.19
Land (10K Acres)		
Cottonwood Ranch Acquisition (2,650 A, cash equivalent) ^{4,*}		\$8.50
Wyoming's Deer Creek Property		\$1.50
Acquisition (7,350A) ⁴	\$22.90	
O&M (Includes clearing)	\$10.00	
Investigation/Leveling Act. ⁵	\$3.35	
Taxes	\$1.53	
Project Perm. & LAC ³	\$1.35	
Subtotal Land	\$39.13	\$10.00
Program & Project Monitoring and Research ⁶	\$30.00	
Program & Project Administration (@ 1.49M/Yr) ⁷	\$19.37	
Third Party Direct Impact Mitigation Contingency and Liability	\$0.67	
Peer Review and Independent Science Advice ⁸	\$2.35	
Program Legal Fees ⁹	\$0.05	
Totals	\$187.14	\$130.19
Estimated Total First Increment Cash and Cash Equivalent Costs		\$317.33

* Indicates items for cash equivalent or in-kind contribution credit

¹Three State Water Projects (80AF) from the Reconnaissance - Level Water Action Plan, Page 105, September 14, 2000
Reconnaissance - Level Water Action Plan, Page 108-109, September 14, 2000

²Estimate based on review of Reconnaissance-Level Water Action Plan.

³Project specific compliance with state and federal laws and regulations including NEPA requirement, and ESA requirements for protected species not covered by the Program.

⁴Cost for Cottonwood Ranch negotiated for in the Cooperative Agreement. Other purchase costs assume approximately \$3,100/ac.

⁵Preliminary cost associated with moving 40 acres of land, 4 feet deep (per analysis in EIS) at cost of \$1/yard.

⁶Monitoring and Research costs estimated by the Technical Committee, including Parsons/EIS Team estimate for Sediment/Vegetation and additional tasks identified by Governance Committee (e.g. water quality)

⁷Executive Director, staff, office space, travel, etc.

⁸Includes assistance for implementing the AMP and peer review of individual documents.

⁹Estimate includes assistance in developing Program, land, water entities, contracts, taxes, etc.

Signature and Forwarding Instructions for Modification 23 to Agreement No. 99-FC-601-11870

1. Grants Officer mails five copies Modification 23 package to the Nebraska Community Foundation
2. The appropriate NCF official completes block 16 of the modification form
3. NCF mails the five signed copies of Modification 23 to the Nebraska Department of Natural Resources
4. The appropriate NEDNR official signs the five copies
5. The NEDNR sends the five signed copies of Modification 23 to the Wyoming Water Development Office
6. The appropriate official of the WWDC signs all five copies of Modification 23
7. The WWDC sends the five signed copies of Modification 23 to the Colorado Water Conservation Board (CWCB)
8. The appropriate official of the CWCB signs all five copies of Modification 23
9. The CWCB sends the five signed copies of Modification 23 to the Grants Officer
10. The Grants Officer receives the signed copies of Modification 23
11. The Grants Officer provides the final signature to the copies of Modification 23, and distributes a signed copy of Modification 23 to each of the parties

Mailing Addresses:

Wyoming Water Development Office Michael K. Purcell, Director 6920 Yellowtail Rd Cheyenne, WY 82002	Colorado Water Conservation Board Attn: Ted Kowalski 1313 Sherman St., Room 721 Denver, CO 80203
Bureau of Reclamation Great Plains Regional Officer Attn: Lindsey Nafts 316 North 26th Billings, MT 59101	Nebraska Department of Natural Resources Attention: James C. Schneider 301 Centennial Mall South Lincoln, Nebraska 68509-4676