



# **PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM FISCAL YEAR 2009 BUDGET AND ANNUAL WORK PLAN**

Prepared by:

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

Prepared for:

Program Governance Committee  
Mike Purcell, Chair

Final Budget Recommended by Executive Director  
December 2, 2008

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December 2, 2008 (reflecting Revisions of April 7, 2009 and June 2, 2009)

Work Plan Update  
September 17, 2009



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# **PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM FISCAL YEAR 2009 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), and the Finance Committee (FC). 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 Kearney, NE; Lincoln, NE; and Denver, CO. The Executive Director's Office worked closely with the GC, the standing Advisory Committees, the AMWG, Program cooperators and partners, and others to develop the FY 2009 Budget and Annual Work Plan based on guidance from the Final Program Document, the AMP, overall Program goals and priorities, and the FY 2009 Budget and Annual Work Plan.

This document presents the final FY 2009 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 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

ED Office (Executive Director, Headwaters Corporation staff)

**Task Location**

Kearney, NE; Lincoln, NE; Denver, CO

**Task Description**

Funding for work of Executive Director and ED Office staff Includes salaries for ED and staff, travel costs, and associated Program office expenses.

**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.

**Budget**

<b>Program Task ED-1</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Salaries/Travel/Office Expenditures	\$361,861	\$1,110,800	\$1,427,759

**PROGRAM TASK & ID: ED-2. Administrative and Other Support Services****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**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 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**

<b>Program Task ED-2</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Administrative and Other Support Services	\$17,000	\$150,000	\$250,000

**PROGRAM TASK & ID: ED-3. Public Outreach****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

ED Office

**Task Location**

ED Office (Kearney, NE)

**Task Description**

\$20,000/year for 3 years for support of Crane Meadows(Hastings College in lead, NGPC also \$ supporter; funds provide access to different audience, exhibit space, recognition on Interstate signage, access to office space and meeting facilities); \$10,000 for exhibitor fees 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**

<b>Program Task ED-3</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Public Outreach	\$0	\$0	\$30,000



**PROGRAM TASK & ID: GFC-1. NCF Fees**

**Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**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.

**Linkage to Priority Hypotheses in AMP**

N/A

**Products**

Financial support services for Program

**Notes on Cost**

N/A

**Budget**

<b>Program Task GFC-1</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
NCF Fees	\$75,000	\$100,000	\$255,000





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

### **Program First Increment Timeline**

Annual

### **FY 2009 Start Date**

January 1, 2009

### **FY 2009 End Date**

December 31, 2009

### **Task Completed by**

ED Office, Selected insurance provider

### **Task Location**

ED Office; insurance provider location TBD

### **Task Description**

Insurance for representatives of the GC and subcommittees (including alternates) for certain actions that will be undertaken through Program implementation Coverage will be for a number of actions that the Program will undertake including pulse flow releases.

### **Linkage to Priority Hypotheses in AMP**

N/A

### **Products**

Program insurance policy

### **Notes on Cost**

Premium and fees negotiated with selected provider.

### **Budget**

<b>Program Task GFC-2</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Pulse Flow and Other Insurance	\$100,000	\$50,000	\$60,000



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

**Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**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**

<b>Program Task GFC-3</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Expenses, Meeting Rooms, etc.	\$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 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**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.

**Budget**

<b>Program Task GFC-4</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Pulse Flow Reserve	\$0	\$0	\$1,000,000

**PROGRAM TASK & ID: LAC-1. Expenses, Meeting Rooms, etc****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**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**

<b>Program Task LAC-1</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Expenses, Meeting Rooms, etc.	\$7,500	\$7,500	\$7,500

**PROGRAM TASK & ID: WAC-1. Expenses, Meeting Rooms, etc****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**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**

<b>Program Task WAC-1</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Expenses, Meeting Rooms, etc.	\$5,000	\$5,000	\$5,000



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

**Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**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**

<b>Program Task TAC-1</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Expenses, Meeting Rooms, etc.	\$5,000	\$5,000	\$5,000

**PROGRAM TASK & ID: LP-3. Land Acquisition****Program First Increment Timeline**

FY09-FY12

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**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. Also 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**

High budget estimate assumes availability of priority land interests.

**Budget**

<b>Program Task LP-3</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Land Acquisition	\$0	\$6,000,000	\$7,000,000

**PROGRAM TASK & ID: LP-4. Land Management (includes Cottonwood Ranch and Wyoming Property)****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**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, weed management, day-to-day operations, etc.)

**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 two Program properties

**Budget**

<b>Program Task LP-4</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Land Management (includes Cottonwood Ranch and Wyoming Property)	\$0	\$0	\$500,000



**PROGRAM TASK & ID: WP-1. North Platte Channel Capacity Project****Program First Increment Timeline**

FY2008-FY2010

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

Contractor (SEH, subcontractors)

**Task Location**

North Platte, NE choke point

**Task Description**

Monitoring/maintenance of choke point areas sprayed in 2007 and removed in 2008; matching funds available for collaboration on additional phragmites spraying/removal below Highway 83 Bridge and above CNPPID diversion, or other actions required to raise capacity to 3000 cfs.

**Linkage to Priority Hypotheses in AMP**

Critical to test flow-related hypotheses during First Increment

**Products**

Improved conveyance at choke point

**Notes on Cost**

N/A

**Budget**

<b>Program Task WP-1</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
North Platte Channel Capacity Project	\$241,000	\$110,000	\$80,000

**PROGRAM TASK & ID: WP-4. Water Action Plan****Program First Increment Timeline**

FY2009-FY2019

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

Contractors

**Task Location**

ED Office (Kearney, NE and Denver, CO); various locations

**Task Description**

Consultant fees for updating select list of projects from reconnaissance WAP to meet 2014 targets, training and transfer of tools and materials to ED Office Subsequent years represent costs for construction and operation of water supply facilities.

**Linkage to Priority Hypotheses in AMP**

Critical to test flow-related hypotheses during First Increment

**Products**

Water supply tools and projects

**Notes on Cost**

N/A

**Budget**

<b>Program Task WP-4</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Water Action Plan	\$0	\$0	\$250,000

**PROGRAM TASK & ID: WP-6. Feasibility Studies****Program First Increment Timeline**

FY2009

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

Contractor (Olsson)

**Task Location**

ED Office (Kearney, NE and Denver, CO); various locations

**Task Description**

Feasibility of two alternatives recommended from WMS Phase II for pulse flow implementation; 2009 feasibility efforts need to prepare for implementation by 2011. Subsequent years are feasibility and design efforts to meet 2014 and First Increment reductions to target shortage goals.

**Linkage to Priority Hypotheses in AMP**

Critical to test flow-related hypotheses during First Increment

**Products**

Water project feasibility studies

**Notes on Cost**

N/A

**Budget**

<b>Program Task WP-6</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Feasibility Studies	\$0	\$0	\$500,000

**PROGRAM TASK & ID: WP-7. Water Acquisition****Program First Increment Timeline**

FY2009-FY2011

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

ED Office and contractors

**Task Location**

ED Office (Kearney, NE and Denver, CO)

**Task Description**

Pre-qualify consultants for as-needed services in evaluations of water supply opportunities and establish pool of money for water right / water acquisitions, as needed.

**Linkage to Priority Hypotheses in AMP**

Critical to test flow-related hypotheses during First Increment

**Products**

Pre-qualified consultant list

**Notes on Cost**

N/A

**Budget**

<b>Program Task WP-7</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Water Acquisition	\$0	\$0	\$500,000

**PROGRAM TASK & ID: PD-4. AMWG Workshops****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**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 on pulse flow and channel consolidation experiments and AMP activities on Program lands; will also help to prioritize geomorphology and other data gaps/research needs

**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 Strategic Science Plan

**Notes on Cost**

N/A

**Budget**

<b>Program Task PD-4</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
AMWG Workshops	\$50,000	\$75,000	\$10,000



## PROGRAM TASK & ID: PD-12. Model ID and Development

### Program First Increment Timeline

FY2009-FY2012

#### FY 2009 Start Date

January 1, 2009

#### FY 2009 End Date

December 31, 2009

#### Task Completed by

ED Office; AMWG; TAC; BOR; contractors

#### Task Location

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

#### Task Description

\$20,000 committed to BOR for refinement of braided river model (merging of SedVeg Gen3/SRH-1DV); \$20,000 for refinement of existing tern/plover and whooping crane rapid prototype models/development of new rapid prototypes; \$20,000 for investigating other model needs; \$300,000 for initiating hydraulic modeling (anticipate HEC-RAS, sediment transport version or something similar). Subsequent years are for further model refinement and application of focused area two dimensional modeling.

#### Linkage to Priority Hypotheses in AMP

Fundamental to generating information related to all priority hypotheses.

#### Products

Refined braided river model; refined rapid prototype models; hydraulic model (such as HEC-RAS)

#### Notes on Cost

N/A

#### Budget

Program Task PD-12			
	2007	2008	2009
Model ID & Development	\$0	\$0	\$360,000



## **PROGRAM TASK & ID: PD-13. Sediment Augmentation Conceptual and Construction Design**

### **Program First Increment Timeline**

FY2009-FY2011

### **FY 2009 Start Date**

January 1, 2009

### **FY 2009 End Date**

December 31, 2009

### **Task Completed by**

ED Office; AMWG; TAC; contractor

### **Task Location**

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

### **Task Description**

Based on results of fall 2008 AMWG workshop, hire contractor to help design sediment augmentation experiment

### **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**

<b>Program Task PD-13</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Sediment Augmentation Conceptual & Construction Design	\$0	\$0	\$400,000



## **PROGRAM TASK & ID: PD-14. Whooping Crane Conservation Action Plan (CAP) Development**

### **Program First Increment Timeline**

FY2009

### **FY 2009 Start Date**

January 1, 2009

### **FY 2009 End Date**

December 31, 2009

### **Task Completed by**

ED Office

### **Task Location**

Workshops in Nebraska, Canada, and Texas

### **Task Description**

CAP is an effort to integrate conservation actions across entire whooping crane habitat; includes wintering, nesting, and migratory route habitats; effort includes leadership and heavy involvement of TNC, Audubon, and Trust from Platte portion of Central Flyway Habitat region; one-time budget for publication costs, travel support for facilitators, and logistical support for Nebraska session

### **Linkage to Priority Hypotheses in AMP**

Important planning and data sharing related to AMP priority hypotheses regarding whooping crane use of the associated habitats

### **Products**

Whooping crane Conservation Action Plan for full migratory route

### **Notes on Cost**

N/A

### **Budget**

<b>Program Task PD-14</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Whooping Crane CAP Development	\$0	\$0	\$20,000



**PROGRAM TASK & ID: LP-2. FSM/MCM Actions on Cottonwood Ranch****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

ED Office; NPPD; contractors

**Task Location**

Cottonwood Ranch on Platte River near Elm Creek, NE

**Task Description**

Combination of FY08 LP-2(a) and LP-2(b); channel widening, island creation/management, vegetation management, other AMP activities

**Linkage to Priority Hypotheses in AMP**

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

**Products**

Habitat management at Cottonwood Ranch

**Notes on Cost**

N/A

**Budget**

<b>Program Task LP-2</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
FSM/MCM Actions on Cottonwood Ranch	\$0	\$1,400,000	\$200,000

**PROGRAM TASK & ID: LP-5. FSM/MCM Actions on Wyoming Property****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

ED Office; State of Wyoming; contractors

**Task Location**

Wyoming Property on Platte River near Kearney, NE

**Task Description**

Channel widening, island creation/management, vegetation management, other AMP activities

**Linkage to Priority Hypotheses in AMP**

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

**Products**

Habitat management at Wyoming Property

**Notes on Cost**

N/A

**Budget**

<b>Program Task LP-5</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
FSM/MCM Actions on Wyoming Property	\$0	\$0	\$150,000

**PROGRAM TASK & ID: WP-3. Environmental Account Pulse Flow****Program First Increment Timeline**

Short-Duration High Flows (SDHF) will be implemented at various times during the First Increment

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

ED Office; U.S. Fish and Wildlife Service; CNPPID; NPPD

**Task Location**

Lake McConaughy, Districts' water supply systems, central Platte River

**Task Description**

Bypass and other associated costs for pulse flows

**Linkage to Priority Hypotheses in AMP**

SDHR integral to implementation of FSM management strategy in AMP

**Products**

Bypass costs for SDHF

**Notes on Cost**

N/A

**Budget**

<b>Program Task WP-3</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Environmental Account Pulse Flow	\$0	\$250,000	\$350,000

**PROGRAM TASK & ID: PD-7. System-wide Anchor Points****Program First Increment Timeline**

FY2009

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

ED Office

**Task Location**

Land on central Platte River

**Task Description**

Fix locations of anchor points (pure panel and four sets of rotating panels) as per geomorphology/in-channel vegetation monitoring protocol; acquire formal access agreements for all anchor points and associated transects

**Linkage to Priority Hypotheses in AMP**

Necessary to ensure implementation of geomorphology/vegetation monitoring protocol and proper collection of river morphology and vegetation data

**Products**

Signed access agreements with all landowners connected to anchor point locations.

**Notes on Cost**

N/A

**Budget**

<b>Program Task PD-7</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
System-wide Anchor Points	\$0	\$50,000	\$50,000

**PROGRAM TASK & ID: PD-15. USACE Nationwide 404 Permit****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

ED Office

**Task Location**

ED Office (Kearney, NE and Lincoln, NE)

**Task Description**

Apply in 2009; renew annually; investigate other required federal/state permits (401, stormwater runoff, etc.)

**Linkage to Priority Hypotheses in AMP**

Necessary to ensure implementation AMP management actions

**Products**

Permit(s)

**Notes on Cost**

N/A

**Budget**

<b>Program Task PD-15</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
USACE Nationwide 404 Permit	\$0	\$0	\$10,000



## **PROGRAM TASK & ID: PD-16. Invasive Strategy**

### **Program First Increment Timeline**

Annual

### **FY 2009 Start Date**

January 1, 2009

### **FY 2009 End Date**

December 31, 2009

### **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**

<b>Program Task PD-16</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Invasive Strategy	\$0	\$0	\$100,000

**PROGRAM TASK & ID: PD-18. Equipment****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

ED Office

**Task Location**

Central Platte River

**Task Description**

\$65,000 for airboat to conduct IMRP activities, coordinate with contractors, evaluate Program activities; \$10,000 for land management equipment; \$45,000 for acquisition of 4WD pick-up for Program Land Manager; \$20,000 for Program GPS unit, GPS camera(s), and training; out year funding for additional equipment and routine maintenance

**Linkage to Priority Hypotheses in AMP**

Specific equipment important as management and monitoring tools related to AMP implementation

**Products**

Airboat, pick-up, GPS equipment, other land management equipment, training

**Notes on Cost**

N/A

**Budget**

<b>Program Task PD-18</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Equipment	\$0	\$0	\$140,000



## **PROGRAM TASK & ID: G-2. Aerial Photography**

### **Program First Increment Timeline**

Annual

### **FY 2009 Start Date**

May 1, 2009

### **FY 2009 End Date**

June 30, 2009

### **Task Completed by**

Contractor

### **Task Location**

Central Platte River, NE

### **Task Description**

Acquire annual aerial photography as per protocol

### **Linkage to Priority Hypotheses in AMP**

Aerial photographs used to document braiding index, channel width, nesting habitat parameters, and other river profile information over time to provide data for testing priority hypotheses

### **Products**

CIR digital aerial photographs

### **Notes on Cost**

N/A

### **Budget**

<b>Program Task G-2</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Aerial Photography	\$10,000	\$10,000	\$40,000



**PROGRAM TASK & ID: G-5. Geomorphology/In-Channel Vegetation Monitoring****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

Contractor (Ayres/Olsson)

**Task Location**

Central Platte River

**Task Description**

Year 1 of three-year contract to implement 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****Budget**

<b>Program Task G-5</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Geomorphology/In-Channel Vegetation Monitoring	\$0	\$95,000	\$300,000

**PROGRAM TASK & ID: H-2. Program Water Gages****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

ED Office; contractor

**Task Location**

Central Platte River

**Task Description**

Combination of FY08 H-1, H-2, and H-3; annual Program share of Cottonwood Ranch gage; ID of new gage locations; installing of temperature monitoring probes on existing USGS gages; out years for maintenance of Cottonwood, Lexington, and Shelton gages.

**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**

New gages

**Notes on Cost**

N/A

**Budget**

<b>Program Task H-2</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Program Water Gages	\$0	\$29,500	\$30,000



## **PROGRAM TASK & ID: IMRP-1. Environmental Account Pulse Flow Monitoring**

### **Program First Increment Timeline**

SDHF will be implemented at various times during the First Increment

### **FY 2009 Start Date**

January 1, 2009

### **FY 2009 End Date**

December 31, 2009

### **Task Completed by**

ED Office; U.S. Fish and Wildlife Service

### **Task Location**

Platte River

### **Task Description**

Implement monitoring activities before, during, and after pilot pulse flow experiment; ED Office/FWS take lead

### **Linkage to Priority Hypotheses in AMP**

Important data on flow conveyance and mechanics of implementing SDHF that will be important for planning for future implementation of SDHF as per the AMP

### **Products**

Flow Routing Test Report

### **Notes on Cost**

N/A

### **Budget**

<b>Program Task IMRP-1</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
EA Pulse Flow Monitoring	\$0	\$0	\$50,000



## **PROGRAM TASK & ID: IMRP-2. AMP-related Research**

### **Program First Increment Timeline**

Annual

### **FY 2009 Start Date**

January 1, 2009

### **FY 2009 End Date**

December 31, 2009

### **Task Completed by**

ED Office; contractors

### **Task Location**

Central Platte River

### **Task Description**

Implement monitoring activities before, during, and after pilot pulse flow experiment; ED Office/FWS take lead

### **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**

N/A

### **Budget**

<b>Program Task IMRP-2</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
AMP-related Research	\$0	\$0	\$700,000



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

### **Program First Increment Timeline**

Annual

### **FY 2009 Start Date**

January 1, 2009

### **FY 2009 End Date**

December 31, 2009

### **Task Completed by**

ED Office; contractor

### **Task Location**

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

### **Task Description**

Ongoing database development, updating, and management

### **Linkage to Priority Hypotheses in AMP**

Data storage and management system for information collected through implementation of the AMP and the IRMP.

### **Products**

Official Program Web-site and Web-accessible data storage and information management

### **Notes on Cost**

N/A

### **Budget**

<b>Program Task PD-8</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Database Management System Development & Maintenance	\$150,000	\$159,000	\$200,000



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

### **Program First Increment Timeline**

FY2008-FY2009

### **FY 2009 Start Date**

January 1, 2009

### **FY 2009 End Date**

December 31, 2009

### **Task Completed by**

Contractor (HDR)

### **Task Location**

Lower Platte River, NE

### **Task Description**

HDR Team under contract to complete in FY09

### **Linkage to Priority Hypotheses in AMP**

Link to all pallid sturgeon hypotheses

### **Products**

Final report and modeling tool

### **Notes on Cost**

N/A

### **Budget**

<b>Program Task PS-2</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Lower Platte River Stage Change Study	\$200,000	\$200,000	\$15,000

**PROGRAM TASK & ID: TP-1. Tern & Plover Monitoring****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

May 1, 2009

**FY 2009 End Date**

December 31, 2009

**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; possible funding for seasonal technician(s)

**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

**Notes on Cost**

N/A

**Budget**

<b>Program Task TP-1</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Tern & Plover Monitoring	\$14,000	\$20,000	\$100,000

**PROGRAM TASK & ID: TP-3. Forage Fish Monitoring****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

July 1, 2009

**FY 2009 End Date**

December 31, 2009

**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**

N/A

**Budget**

<b>Program Task TP-3</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Forage Fish Monitoring	\$5,000	\$7,500	\$50,000





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

### **Program First Increment Timeline**

FY2009-FY2010

### **FY 2009 Start Date**

January 1, 2009

### **FY 2009 End Date**

December 31, 2009

### **Task Completed by**

Contractor (USGS)

### **Task Location**

Central Platte River, NE

### **Task Description**

USGS under contract to complete two-year study

### **Linkage to Priority Hypotheses in AMP**

Linked to priority tern and plover hypotheses that relate to forage and productivity.

### **Products**

Interim report

### **Notes on Cost**

N/A

### **Budget**

<b>Program Task TP-4</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Tern/Plover Foraging Habits Study	\$0	\$40,000	\$65,000



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

### **Program First Increment Timeline**

Annual

### **FY 2009 Start Date**

March 1, 2009

### **FY 2009 End Date**

December 31, 2009

### **Task Completed by**

Contractor (AIM)

### **Task Location**

Central Platte River, NE

### **Task Description**

Implement monitoring during spring and fall migration; AIM under contract through 2010

### **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**

N/A

### **Budget**

<b>Program Task WC-1</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Whooping Crane Monitoring	\$130,000	\$130,000	\$150,000

**PROGRAM TASK & ID: WC-3. Whooping Crane Telemetry Tracking****Program First Increment Timeline**

FY2009-FY2012

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

Contractor for 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**

N/A

**Budget**

<b>Program Task WC-3</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Whooping Crane Telemetry Tracking	\$0	\$125,000	\$125,000



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

**Program First Increment Timeline**  
FY2009-FY2010

**FY 2009 Start Date**  
January 1, 2009

**FY 2009 End Date**  
December 31, 2009

**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

**Notes on Cost**  
N/A

**Budget**

<b>Program Task WMV-2</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Wet Meadows Existing Information Review and Refinement of CEM	\$0	\$32,400	\$50,000

**PROGRAM TASK & ID: WQ-1. Water Quality Monitoring****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

April 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

Contractor (EA)

**Task Location**

Central and lower Platte River, NE

**Task Description**

Implement monitoring protocol; EA under contract to develop protocol in fall 2008 and implement in 2009; monitoring equipment in 2009; out year potential follow up monitoring

**Linkage to Priority Hypotheses in AMP**

Links to all pallid sturgeon hypotheses

**Products**

Annual report and data analysis

**Notes on Cost**

N/A

**Budget**

<b>Program Task WQ-1</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
Water Quality Monitoring	\$0	\$40,000	\$184,000

**PROGRAM TASK & ID: ISAC-1. ISAC Stipends****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

ED Office; Independent Scientific Advisory Committee (ISAC)

**Task Location**

Basin meeting locations TBD

**Task Description**

Stipends for at least five ISAC members

**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, five-year work plan, other Program products and activities

**Notes on Cost**

N/A

**Budget**

<b>Program Task ISAC-1</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
ISAC Stipends	\$75,000	\$115,000	\$50,000



## **PROGRAM TASK & ID: ISAC-2. ISAC Meetings**

### **Program First Increment Timeline**

Annual

### **FY 2009 Start Date**

January 1, 2009

### **FY 2009 End Date**

December 31, 2009

### **Task Completed by**

ED Office; ISAC

### **Task Location**

Meeting locations in NE, WY, and CO

### **Task Description**

Combination of FY08 ISAC-2 & ISAC-3; Expenses for two meetings with Independent Scientific Advisory Committee in spring and summer 2009; includes ISAC review of overall AMP experimental design and work plan; incorporate suggested changes with approval of AMWG and GC; major review in 2009/annual check-in

### **Linkage to Priority Hypotheses in AMP**

N/A

### **Products**

Meeting space and associated needs

### **Notes on Cost**

N/A

### **Budget**

<b>Program Task ISAC-2</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
ISAC Meetings	\$5,000	\$10,000	\$20,000

**PROGRAM TASK & ID: PD-3. IMRP Peer Review****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

Peer Review Panelists

**Task Location**

Various locations of Peer Reviewers

**Task Description**

Stipends for peer reviewers for four Program protocols in FY09; FY10-FY19 money is for potential stipends for research project-related peer review (e.g. anonymous review of proposals submitted in response to research-related RFPs)

**Linkage to Priority Hypotheses in AMP**

Monitoring protocols provide evaluation data for testing priority hypotheses as identified in the AMP

**Products**

Peer review reports for each reviewed protocol

**Notes on Cost**

N/A

**Budget**

<b>Program Task PD-3</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
IMRP Peer Review	\$50,000	\$105,000	\$50,000



**PROGRAM TASK & ID: PD-11. AMP Reporting Session****Program First Increment Timeline**

Annual

**FY 2009 Start Date**

January 1, 2009

**FY 2009 End Date**

December 31, 2009

**Task Completed by**

ED Office; AMWG; ISAC

**Task Location**

Kearney, NE

**Task Description**

Reporting session for GC at conclusion of February 2009 meeting on FY08 AMP progress

**Linkage to Priority Hypotheses in AMP**

Review of AMP implementation efforts, including progress made on implementing the two management strategies and testing priority hypotheses.

**Products**

Day-long session with GC, ISAC, AMWG, contractors, and Program advisory committees

**Notes on Cost**

N/A

**Budget**

<b>Program Task PD-11</b>			
	<b>2007</b>	<b>2008</b>	<b>2009</b>
AMP Reporting Session	\$0	\$10,000	\$10,000