

# PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM FISCAL YEAR 2012 BUDGET AND ANNUAL WORK PLAN

#### Prepared by:

**Prepared for:** 

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

PRRIP Governance Committee Jim Schneider, Chair

Final Budget and Work Plan Recommended by Executive Director **December 2011** 

Final Budget and Work Plan Revised and Approved by Governance Committee **December 2011** 





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## PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM FISCAL YEAR 2012 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 2012 Program Budget and Work Plan based on guidance from the Final Program Document and Program goals and priorities.

This document presents the final FY 2012 Program Annual Work Plan. The final FY 2012 Program Budget Spreadsheet is a separate document but is incorporated by reference.

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

167 168 169

166

#### **Program First Increment Timeline**

170 Annual

171

#### 172 FY 2012 Start Date

173 January 1, 2012

174175

#### FY 2012 End Date

176 December 31, 2012

177178

#### Task Completed by

179 ED Office (Executive Director, Headwaters Corporation staff)

180

#### 181 Task Location

182 Kearney, NE; Lincoln, NE; Denver, CO

183 184

#### **Task Description**

Salaries, travel, and other direct costs associated with ED and staff in ED Offices. ED and EDO responsible for implementation of all items detailed in remainder of the Work Plan. **Exhibit A** (Scope) of

ED Contract and Staffing Plan provide documentation of effort.

187 188 189

#### Linkage to Priority Hypotheses in AMP

190 N/A

191

192 **Products** 

193 Staff support for all Program activities

194

#### 195 Notes on Cost

Detailed breakdown of budget provided in ED Contract/Office Budget (**Exhibit B**); no anticipated further growth in staff levels.

196 197 198

#### Budget

199 200

Program Task ED-1									
	2007	2008	2009	2010	2011	2012			
	Approved	Approved	Approved	Approved	Approved	<b>Estimated</b>			
Salaries/Travel/Office Expenditures	\$361,861	\$1,110,800	\$1,427,759	\$1,599,900	\$1,600,000	\$1,800,000			

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203204205

206 207

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

210211212

209

#### **Program First Increment Timeline**

213 Annual

214215

#### FY 2012 Start Date

216 January 1, 2012

217

#### 218 FY 2012 End Date

219 December 31, 2012

220 221

#### Task Completed by

222 ED Office

223 224

#### **Task Location**

ED Office

225226227

228

#### **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.

229230231

#### Linkage to Priority Hypotheses in AMP

232 N/A

233234

#### **Products**

Contract services support for Program activities

235236

#### Notes on Cost

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

239 240

#### Budget

241

Program Task ED-2									
2007 2008 2009 2010 2011 2012						2012			
	Approved	Approved	Approved	Approved	Approved	Estimated			
Administrative and	\$17,000	\$150,000	\$250,000	\$200,000	\$200,000	\$150,000			
Other Support Services									

242243

244

245246

247 248

249250

250251

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	PROGRAM TASK & ID: ED-3. Public Outreach
Pro	gram First Increment Timeline
Ann	
FY	2012 Start Date
Janu	ary 1, 2012
FY	2012 End Date
Dec	ember 31, 2012
Tas	k Completed by
ED	Office
Tas	k Location
ED	Office (Kearney, NE)
Tas	k Description
•	\$25,000 for NET/Forsberg Platte River time-lapse project; Formerly in AMP Budget –provided funding for locations of specific scientific interest; Placing in Outreach funding due to the broader educational and outreach emphasis on locations to be implemented this year. \$10,000 for Hydrologic Cycle exhibit at Lincoln's Children's Museum (one-time contribution); Provides a hands-on learning experience that instructs children in the fundamentals of the hydrologic cycle, the interaction of rivers and sediment in sand-bed streams, the relationship of rivers to habitat – e.g., cranes, and uses of water for hydropower and irrigation. Target audience is ages 4-10. \$5,000 for Rowe Sanctuary Summer Orientation About Rivers (SOAR) and other youth/family hands-on educational events. \$5,000 for Nebraska Nature & Visitor's Center summer youth camp and other youth/family hands-on educational events. \$5,000 for Prairie Loft Center for Outdoor & Agricultural Learning for educational programming; Oriented toward landscape environment and relationship of agriculture to that environment, hands-on learning experiences. \$20,000 for exhibitor fees, publication of materials, and promotional materials for venues such as Husker Harvest Days, South Platte Forum, Colorado Water Congress, Rivers and Wildlife, Kearney Crane Festival, and other public and professional outreach and education opportunities.
Lin N/A	kage to Priority Hypotheses in AMP
	ducts gram visibility and communication with the public
Not	es on Cost

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296

297 298 299 N/A



#### Budget

Program Task ED-3									
	2007	2008	2009	2010	2011	2012			
	Approved	Approved	Approved	Approved	Approved	Estimated			
Public Outreach	\$0	\$0	\$30,000	\$40,000	\$50,000	\$70,000			

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PROGRAM TASK & ID: GFC-1. NCF Fees

344

345 346 347

#### **Program First Increment Timeline**

348 Annual

349 350

FY 2012 Start Date

351 January 1, 2012

352 353

#### FY 2012 End Date

354 December 31, 2012

355 356

#### Task Completed by

ED Office, Nebraska Community Foundation (NCF)

357 358 359

#### Task Location

ED Office; NCF (Lincoln, NE)

360 361 362

#### **Task Description**

Fees paid to the NCF for administration of the financial aspects of the Program in 2012. Fee paid based on sliding scale percentage of fees handled by NCF, defined below:

364 365

363

Annual Cumulative		
Disbursements		
From	То	Fee
\$0	\$999,999	2.50%
\$1,000,000	\$1,999,999	2.25%
\$2,000,000	\$4,999,999	2.00%
\$5,000,000	\$9,999,999	1.75%
>\$10,000,000		1.50%

366

Fee for 2012 calculated based on a total budget of approximately \$27,000,000.

367 368 369

#### Linkage to Priority Hypotheses in AMP

370 N/A

371

372 **Products** 

373 Financial support services for Program

374

#### 375 Notes on Cost

376 N/A

377

378 **Budget** 

379

Program Task GFC-1									
	2007	2008	2009	2010	2011	2012			
	Approved	Approved	Approved	Approved	Approved	Estimated			
NCF Fees	\$75,000	\$100,000	\$255,000	\$260,000	\$300,000	\$450,000			

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

#### **Program First Increment Timeline**

Annual

#### FY 2012 Start Date

January 1, 2012

#### FY 2012 End Date

December 31, 2012

#### 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** 

408 Program insurance policy

#### **Notes on Cost**

Premium and fees negotiated with selected provider.

#### **Budget**

Program Task GFC-2									
2007 2008 2009 2010 2011 2011									
	Approved	Approved	Approved	Approved	Approved	Estimated			
Pulse Flow and Other Insurance	\$100,000	\$50,000	\$60,000	\$70,000	\$75,000	\$70,000			

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

425 426

#### **Program First Increment Timeline**

427 Annual

428

#### 429 **FY 2012 Start Date**

430 January 1, 2012

431

#### 432 **FY 2012 End Date**

433 December 31, 2012

434

#### 435 Task Completed by

436 ED Office; GC; FC

437 438

#### **Task Location**

Meeting locations in NE, WY, and CO

439 440 441

442

#### **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)

443444445

#### Linkage to Priority Hypotheses in AMP

446 N/A

447 448

#### Products

449 Meeting space and associated needs

450

#### 451 Notes on Cost

**Budget** 

452 N/A

453

454

455

Program Task GFC-3								
	2007	2008	2009	2010	2011	2012 Estimated		
	Approved	Approved	Approved	Approved	Approved	Estimateu		
Expenses, Meeting	\$5,000	\$5,000	\$5,000	\$5,000	\$1,000	\$1,500		
Rooms, etc.								

456 457

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

**Program First Increment Timeline** 

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

FY 2012 Start Date January 1, 2012

FY 2012 End Date December 31, 2012

Task Completed by

ED Office; GC; FC

Reserve fund

**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**

## **Notes on Cost**

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

# **Budget**

Program Task GFC-4									
	2007	2008	2009	2010	2011	2012			
	Approved	Approved	Approved	Approved	Approved	Estimated			
Pulse Flow	\$0	\$0	\$1,000,000	\$0	\$0	\$0			
Reserve									

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

510511

509

#### **Program First Increment Timeline**

512 **Progra**513 Annual

514515

#### FY 2012 Start Date

516 January 1, 2012

517

#### 518 **FY 2012 End Date**

519 December 31, 2012

520 521

#### Task Completed by

522 ED Office; LAC

523 524

#### **Task Location**

All LAC meetings are held in central Nebraska

525526527

528

#### **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)

529530531

#### Linkage to Priority Hypotheses in AMP

532 N/A

533534

#### Products

535 Meeting space and associated needs

536

#### 537 Notes on Cost

538 N/A

539

540 **Budget** 

541

Program Task LAC-1									
	2007	2008	2009	2010	2011	2012			
	Approved	Approved	Approved	Approved	Approved	Estimated			
Expenses, Meeting	\$7,500	\$7,500	\$7,500	\$7,500	\$1,000	\$1,500			
Rooms, etc.									

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544545

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

553554555

552

#### **Program First Increment Timeline**

556 Annual

557 558

#### FY 2012 Start Date

559 January 1, 2012

560 561

#### FY 2012 End Date

562 December 31, 2012

563 564

#### Task Completed by

565 ED Office; WAC

566 567

#### **Task Location**

Meeting locations in NE, WY, and CO

568569570

571

#### **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)

572573574

#### Linkage to Priority Hypotheses in AMP

575 N/A

576

#### 577 **Products**

578 Meeting space and associated needs

579

#### 580 Notes on Cost

**Budget** 

581 N/A

582

583

584

Program Task WAC-1									
	2007	2008	2009	2010	2011	2012			
	Approved	Approved	Approved	Approved	Approved	Estimated			
Expenses, Meeting	\$5,000	\$5,000	\$5,000	\$5,000	\$1,000	\$1,500			
Rooms, etc.									

585 586

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

596 597 598

595

#### **Program First Increment Timeline**

599 Annual

600 601

#### FY 2012 Start Date

602 January 1, 2012

603 604

#### FY 2012 End Date

December 31, 2012

605 606 607

#### Task Completed by

608 ED Office; TAC

609 610

#### Task Location

Meeting locations in NE, WY, and CO

612 613

614

#### **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)

615 616 617

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

2007

**Approved** 

\$5,000

618 N/A

619

#### 620 **Products**

Meeting space and associated needs

622

#### 623 Notes on Cost

624 N/A

625

626

627

Budget
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Expenses, Meeting

Rooms, etc.

628

629 630

631 632

633 634

635 636

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**Program Task TAC-1** 

2009

Approved

\$5,000

2010

Approved

\$5,000

2011

Approved

\$1,000

2012 Estimated

\$1,500

2008

Approved

\$5,000



PROGRAM TASK & ID: LP-3. Land Acquisition

#### **Program First Increment Timeline**

642 FY09-FY12

#### FY 2012 Start Date

January 1, 2012

#### FY 2012 End Date

December 31, 2012

#### 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**

Program Task LP-3								
	2007	2008	2009	2010	2011	2012		
	Approved	Approved	Approved	Approved	Approved	<b>Estimated</b>		
Land Acquisition	\$0	\$6,000,000	\$7,000,000	\$6,000,000	\$5,000,000	\$5,000,000		

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#### PROGRAM TASK & ID: LP-4. Land Management

#### **Program First Increment Timeline**

Annual

#### FY 2012 Start Date

January 1, 2012

#### FY 2012 End Date

December 31, 2012

#### Task Completed by

ED Office; LAC; Land Interest Holding Entity (LIHE)

#### **Task Location**

Land interest locations

#### **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. Property Maintenance	\$24,500
2.	Elm Creek Complex	
	a. Property Maintenance	\$26,000
3.	Ft. Kearny Complex	
	<ul> <li>a. Property Maintenance</li> </ul>	\$60,000
	b. Agricultural Operations	\$30,000
	Total	\$90,000
4.	Plum Creek Complex	
	<ul> <li>a. Property Maintenance</li> </ul>	\$56,800
5.	Shoemaker Island Complex	
	a. Property Maintenance	\$112,500
6.	New Properties (6)	\$100,000
	Tot	al \$409,800

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

720 N/A

#### **Products**

723 Program lands managed properly according to Program guidelines and "Good Neighbor" policy.

#### **Notes on Cost**

Based on estimates for work on five Program complexes, and an estimated six additional acquisitions.

For more details, please see tract-specific annual work plans.

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#### **Budget**

Program Task LP-4									
	2007	2008	2009	2010	2011	2012			
	Approved	Approved	Approved	Approved	Approved	Estimated			
Land Management	\$0	\$0	\$500,000	\$588,800	\$365,500	\$409,800			

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

#### **Program First Increment Timeline**

Annual

#### FY 2012 Start Date

January 1, 2012

#### FY 2012 End Date

December 31, 2012

#### Task Completed by

ED Office; Contractor

#### **Task Location**

ED Offices; Contractor Offices

#### **Task Description**

Continued land management will be needed by American Realty and Agriaffiliates for the transformation from cropland at Fox, Hostetler, Morse, and Binfield. FSA records need to be adjusted next year to move into grass. Broadfoot will still be a corn crop with marketing and input costs but will finish at the end of 2012. Continued grassland leases for having and grazing on all properties will happen next year and annually to the end of the first increment. At a point the combined costs will reduce to a maintenance level and with multiple year leases those numbers can become stable.

#### **Products**

- Meeting participation
- Memoranda and reports

#### **Notes on Cost**

N/A

#### **Budget**

	Program Task LP-6								
	2007	2008	2009	2010	2011	2012			
	Approved	Approved	Approved	Approved	Approved	Estimated			
Land Plan Special Advisors	\$0	\$0	\$0	\$50,000	\$150,000	\$120,000			

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#### PROGRAM TASK & ID: LP-7. Public Access Management

#### **Program First Increment Timeline**

821 Annual

823 FY 2012 Start Date

824 January 1, 2012

#### FY 2012 End Date

827 December 31, 2012

#### Task Completed by

830 ED Office; Contractors (TBD)

#### 832 Task Location

All Available PRRIF properties

#### **Task Description**

This program will need to plan for additional costs as the first year ends. If successful it will have additional land in upcoming years and we need to prepare for increases in costs from the provider Nebraska Game and Parks Commission.

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

841 N/A

### **Products**844 Opportuni

Opportunities for the general public to use Program lands for outdoor recreation and access under acceptable guidelines without interfering with Program Goals and primary species needs.

#### Notes on Cost

848 N/A

#### **Budget**

Program Task LP-7								
	2007	2010	2009	2010	2011	2012		
	Approved	Approved	Approved	Approved	Approved	Estimated		
Public Access Management	\$0	\$0	\$0	\$0	\$50,000	\$50,000		

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860 PROGRAM TASK & ID: WP-1 (a-b). Active Channel Capacity Improvements

861 862 863

#### **Program First Increment Timeline**

Annual

864

865 866 FY 2012 Start Date

January 1, 2012

867 868 869

#### FY 2012 End Date

December 31, 2012

870 871 872

#### Task Completed by

ED Office; Contractor

873 874 875

#### **Task Location**

ED Offices; Contractor Offices; North Platte River and Platte River between North Platte and Chapman

876 877 878

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881 882

883 884

885

886 887

888

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#### **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. Additional technical and/or contracting services will be engaged to update the assessment of ongoing channel issues, recommendations for further efforts, and implementing recommendations. May also include cost-share efforts to collaborate with the National Weather Service to improve probabilistic weather forecasting methods, in preparation for Short Duration High Flow reservoir releases.
- WP-1(b) is a cost share with Platte Valley and West Central Weed Management Areas to clear biomass from the river channel between Kingsley Dam and the CNPPID diversion dam and between Elm Creek and Chapman.

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897 898

#### **Products**

- Cleared channel.
- Model analyses performed by the ED Office and/or consultant for PRRIP purposes and summary report/briefing documents.
- Cost estimates for 2013 and 2014 maintenance and additional clearing efforts to complete all channel sections between Kingsley Dam and Chapman.

Costs for WP-1(b), Active Channel Capacity Maintenance Platte River for the Platte River between the

899 900

901

#### **Notes on Cost**

902 CNPPID Diversion Dam and Chapman, are based on a cost-share program with the Platte Valley and 903 West Central Weed Management Areas. The Program funds will provide matching funds for this effort on 904 a one-for-one match basis.

905 906

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#### **Budget**

	Program Task WP-1								
	2007 Approved	2008 Approved	2009 Approved	2010 Approved	2011 Approved	2012 Estimated			
		<b>FF</b>		<b>FF</b>	FF				
WP-1(a): N Platte	\$241,000	\$40,000	\$80,000	\$50,000	\$250,000	\$100,000			
Channel Above									
CNPPID									
Diversion Dam									
<b>WP-1(b):</b> North	\$0	\$0	\$0	\$400,000	\$200,000	\$200,000			
Platte and Platte									
River Biomass									
Clearing <sup>a</sup>									

<sup>a</sup> Matching funds in a cost-share program with Platte Valley and West Central Weed Management Areas

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#### PROGRAM TASK & ID: WP-4 (a-h). Water Action Plan

#### **Program First Increment Timeline**

Annual

FY 2012 Start Date

January 1, 2012

#### FY 2012 End Date

December 31, 2012

#### Task Completed by

ED Office; Contractor

#### **Task Location**

ED Offices; Contractor Offices; Nebraska, Colorado, Wyoming

#### **Task Description**

Advancing projects from the 2009 Water Action Plan Update through feasibility into full implementation, including design construction. The ED Office will work with the Water Advisory Committee and associated Work Groups to evaluate potential yield, permitting requirements, and costs associated with various projects. Potential benefits of joint project operations will also be considered (e.g. ground water recharge projects may assist in mitigating impacts of ground water management activities). Following is a brief description of the anticipated sub-tasks:

- WP-4(a) J2 Reregulating Reservoir Land acquisition, final geotechnical work, final design, and construction of the J-2 Reregulating Reservoir. Reservoir design initiated in 2012.
  - WP-4(b) Nebraska Ground Water Recharge Continue feasibility analysis of ground water recharge
    projects in the central Platte River. Budget for the Phelps County Canal pilot-scale ground water
    recharge test commenced in fall 2011, continuing through spring 2012, is previously approved under
    the 2011 budget. Anticipated 2012 activities include water permitting, minor canal-related
    infrastructure improvements, installation of monitoring equipment, and operation and maintenance
    associated with canal recharge.
  - WP-4(d) Pathfinder Municipal Account Up-front lump sum payment for 38,400 acre-feet released from Pathfinder Reservoir over 8 years (\$51/acre-foot for 4,800 acre-feet per year).
- WP-4(f) Nebraska Water Leasing Working with Nebraska Public Power District, Central Platte Natural Resources District, and private landowners to evaluate potential purchase/leasing opportunities under the Dawson County Canal, related to leasing surface water flows with direct returns during the irrigation season; potential for project expansion to include winter ground water recharge. Also working with Central Platte Natural Resources District to evaluate water leasing and ground water recharge opportunities under the Orchard-Alfalfa, 30-Mile, and Cozad Canals. Economists from private practice, University of Nebraska at Lincoln, Colorado State University, and potentially University of Wyoming may be engage and 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 and the Natural Resource Districts. The ED Office will also explore lease agreements with willing landowners and power/irrigation districts.

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• WP-4(h) Nebraska Ground Water Management – Feasibility studies investigating opportunities for supply development through ground water management actions including conjunctive use of surface and ground water resources focused primarily downstream of Lake McConaughy.

#### **Products**

- Landowner and project sponsorship agreements.
  - Reservoir and canal improvement design-related documents.
- 995 Monitoring plans.
  - Contract with CNPPID and/or other entities for long-term recharge.
- Water supply-related permits.
  - Water rights evaluations.
  - Water rights permits/proof of ownership
  - Cost estimates for 2013 and long-term operations and maintenance.

#### **Notes on Cost**

Specific expenditures will require authorization of Finance Committee. Cost estimates are based on prefeasibility study information, and will be updated based on feasibility studies currently being completed. Estimates do not account for any project sponsor contributions.

#### **Budget**

	Program Task WP-4								
	2007	2008	2009	2010	2011	2012			
	Approved	Approved	Approved	Approved	Approved	<b>Estimated</b>			
<b>WP-4(a):</b>	\$0	\$0	\$0	\$0	\$4,500,000	\$9,000,000			
Reregulating									
Reservoir									
<b>WP-4(b):</b>	\$0	\$0	\$0	\$0	\$600,000	\$200,000			
Nebraska Ground									
Water Recharge									
<b>WP-4(d):</b>	\$0	\$0	\$0	\$0	\$0	\$2,000,000			
Pathfinder									
Municipal									
Account									
<b>WP-4(d)</b> : NE	\$0	\$0	\$0	\$0	\$0	\$500,000			
Water Leasing									
<b>WP-4(f)</b> : NE	\$0	\$0	\$0	\$0	\$0	\$100,000			
Ground Water									
Management									
WP-4 Total	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	\$5,100,000	\$11,800,000			

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PROGRAM TASK & ID: WP-5. Management Tool

#### **Program First Increment Timeline**

1019 Annual

#### 1021 FY 2012 Start Date

1022 January 1, 2012

#### FY 2012 End Date

December 31, 2012

#### Task Completed by

1028 ED Office; Contractor

#### **Task Location**

ED Offices; Contractor Offices

#### **Task Description**

The COHYST Tool, as it is being developed, 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 COHYST 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.

 Further, the question of a need for a comprehensive operational tool for evaluation of the integrated effects of multiple Water Action Plan projects remains unresolved. The OPSTUDY model was used for the EIS, but may not be a viable tool for use now. Assessing the viability of OPSTUDY and other models such as STELLA, RiverWare, and others may require the assistance of a contractor skilled in water resource systems operations and the standardized modeling tools available.

#### **Products**

- ED Office training and software needed to run the model(s).
- Model analyses performed by the ED Office and/or consultant for PRRIP purposes.
- Briefing documents or reports with model evaluations and recommendations.

#### **Notes on Cost**

Specific expenditures of budget will be subject to Finance Committee approval.

#### **Budget**

Program Task WP-5								
	2007	2008	2009	2010	2011	2012		
	Approved	Approved	Approved	Approved	Approved	Estimated		
Management Tool	\$0	\$0	\$0	\$100,000	\$200,000	\$50,000		

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

#### **Program First Increment Timeline**

1063 Annual

#### FY 2012 Start Date

1066 January 1, 2012

#### FY 2012 End Date

1069 December 31, 2012

#### 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: economics, water infrastructure, structural, and hydro-geology/ground water. Anticipated Special Advisors include:

Estimated Range of

1002			Estimated Range of
1083	Area of Expertise	Name	Expenditures
1084	Economics and Water Markets	George Oamek	\$20,000-\$30,000
1085	Hydrogeology and GW Recharge	Bill Hahn	\$50,000-\$75,000
1086	Civil Infrastructure	Tara Schutter	\$30,000-\$75,000
1087	Water Projects Permitting	TBD	\$20,000-\$30,000
1088	TOTAL		Not to Exceed \$150,000

#### **Products**

- Meeting participation
- Memorandums and reports

#### **Notes on Cost**

#### **Budget**

N/A

Program Task WP-8									
	2007	2008	2009	2010	2011	2012			
	Approved	Approved	Approved	Approved	Approved	Estimated			
Water Plan	\$0	\$0	\$0	\$150,000	\$200,000	\$150,000			
Special Advisors									

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

1103 1104 1105

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**Program First Increment Timeline** 

1106 Annual

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1108 FY 2011 Start Date

1109 January 1, 2012

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1111 FY 2011 End Date

1112 December 31, 2012

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1114 Task Completed by

1115 ED Office; Contractor

1116

1117 Task Location

1118 ED Offices; Contractor Offices

1119 1120

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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, such as investigations to better define fundamental hydrologic and water balance components such as evapotranspiration of non-crop areas, channel loss/bank storage, and surface/ground water interactions.

1125 1126

1127 **Products** 

1128 Reports and study results

1129

1130 Notes on Cost

1131 Specific expenditures would require approval from the Finance Committee.

1132

1133 Budget

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Program Task WP-9								
	2007	2008	2009	2010	2011	2012		
	Approved	Approved	Approved	Approved	Approved	Estimated		
Misc. Water	\$0	\$0	\$0	\$200,000	\$100,000	\$50,000		
Studies								

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PROGRAM TASK & ID: PD-12. Model Application

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**Program First Increment Timeline** 

1149 FY2009-FY2012

1150

1151 FY 2012 Start Date

1152 January 1, 2012

11531154

FY 2012 End Date

1155 December 31, 2012

1156

1157 Task Completed by

1158 ED Office; AMWG; TAC; Contractor (Tetra Tech)

1159 1160

Task Location

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

1161 1162 1163

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1166 1167

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**Task Description** 

New money for existing model Consultant (Tetra Tech and HDR) to complete model simulations per EDO direction, and to provide technical assistance to EDO with existing models. Potential model runs include SDHF planning with the unsteady hydraulic model, hydraulic characterization with the steady state model for habitat assessment (e.g., water surface elevation estimation at various flow rates to be used for estimating channel characteristics pertinent to target species' minimum habitat criteria), and sediment augmentation scenarios with sediment transport model).

1169 1170 1171

#### Linkage to Priority Hypotheses in AMP

Fundamental to generating information related to all priority hypotheses and related big questions.

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1174 Products

Technical memoranda documenting modeling results. Model output files such as water surface digital elevation models and digital terrain models to be used by the EDO to estimate habitat characteristics related to target species' minimum habitat criteria. Technical assistance to EDO for the operation of existing models (e.g., phone calls and model work sessions).

1178 1179 1180

**Notes on Cost** 

1181 Extension of existing contract with HDR/Tetra Tech

11821183

#### Budget

1184

Program Task PD-12								
	2007	2008	2009	2010	2011	2012		
	Approved	Approved	Approved	Approved	Approved	Estimated		
Model Application	\$0	\$0	\$360,000	\$400,000	\$150,000	\$20,000		

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

1191 Program First Increment Timeline

1192 FY2009-FY2013

1193

1194 **FY 2012 Start Date** 

1195 January 1, 2012

1196

1197 FY 2012 End Date

1198 December 31, 2012

1199 1200

Task Completed by

1201 ED Office; AMWG; TAC; contractor (The Flatwater Group)

1202 1203

Task Location

1204 ED Office (Kearney, NE and Lincoln, NE); Central Platte River, NE

1205 1206

#### **Task Description**

Implementation of Year 2 of Pilot-Scale Management Action (sediment augmentation at Plum Creek
 Complex and Cottonwood Ranch); includes management of contractor

1209 1210

#### Linkage to Priority Hypotheses in AMP

Fundamental to priority hypotheses related to sediment deficit and implementation of Flow-Sediment-

1212 Mechanical management strategy identified in AMP.

1213

1214 Products

1215 Implementation of Year 2 of Pilot-Scale Management Action; data analysis and final report (by mid-1216 2013) of two-year implementation cycle.

1217

.21/

1218 Notes on Cost

Year 1 implementation costs (final design, permits, bid package, first year of implementation) covered by

Unliquidated Obligations from FY 2011; FY 2012 funding will be for implementation in 2012 and final

data analysis and reporting, which will conclude by mid-2013; FY 2012 funding will require fourth and

final amendment to existing sediment augmentation contract; FY 2012 costs include estimated \$215,888

1223 for Flatwater Team (implementation management, monitoring, data analysis, reporting) and estimated

\$325,000 for actually placing sand in river (\$200,000 for sand pumping at Plum Creek Complex and

\$125,000 for mechanical placement at Cottonwood Ranch). See Pilot-Scale Management Action

1226 Technical Memo for more details.

1227

1228 Budget

1229

Program Task PD-13								
2007         2008         2009         2010         2011         2012								
	Approved	Approved	Approved	Approved	Approved	Estimated		
Sed. Aug. Feas.,	\$0	\$0	\$400,000	\$200,000	\$350,000	\$540,888		
Analysis, Design, Perm.								

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

#### **Program First Increment Timeline**

1234 FY2011-FY2013

#### 1236 FY 2012 Start Date

1237 January 1, 2012

#### FY 2012 End Date

1240 December 31, 2013

#### 1242 Task Completed by

1243 ED Office; NPPD; contractor

#### Task Location

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

#### **Task Description**

Two part scope of work: 1) Design, permitting and construction of two small channel plugs to close secondary channels that were eroded open during 2011 high flow event. 2) Partial implementation design for flow consolidation including evaluation of potential outcomes/performance (using Sed Aug 2-D model) and development of preliminary design plans/drawings.

If the GC decides to proceed with implementation, permit applications would be submitted and implementation design would be completed in spring of 2013 with construction in fall/winter of 2013.

#### Linkage to Priority Hypotheses in AMP

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

#### **Products**

1) Design drawings and construction specifications, construction permits, and construction of channel plugs. 2) Partial implementation design document including management option review, analysis of potential outcomes, and civil design sections.

#### **Notes on Cost**

Budget consists of \$200,000 for engineering consulting services (Phase 1 approximately \$30,000; Phase 2 approximately \$170,000) and \$30,000 for construction of channel plugs. See Final CWR Flow Consolidation Conceptual Design Report for more details.

#### **Budget**

Program Task PD-19								
	2007	2008	2009	2010	2011	2012		
	Approved	Approved	Approved	Approved	Approved	Estimated		
Flow Consolidation	\$0	\$0	\$0	\$200,000	\$200,000	\$230,000		
Conceptual Design								

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PROGRAM TASK & ID: PD-20. Wet Meadow Restoration on Tract 2009001

1274 1275

1276 Program First Increment Timeline

1277 FY2011 – FY2012

1278

1279 FY 2012 Start Date

1280 March 1, 2012

1281

1282 FY 2012 End Date

1283 December 1, 2012

1284

1285 Task Completed by

1286 ED Office, Contractor

1287 1288

**Task Location** 

Program Tract 2009001 located in the Kearney – Minden bridge segment.

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#### **Task Description**

Construction of conversion of Tract 2009001 to a wet meadow / grassland complex for whooping cranes and other species of concern. Construction will include excavation of approximately 200,000 cubic yards of earth to restore linear swale features. Task includes groundwater monitoring on site.

1294 1295 1296

#### Linkage to Priority Hypotheses in AMP

1297 Testing of priority hypotheses related to wet meadows.

1298

#### 1299 Products

1300 Construction drawings and specifications

1301

#### 1302 Notes on Cost

1303 N/A

1304

1305 **Budget** 

1306

Program Task PD-20								
	2007	2008	2009	2010	2011	2012		
	Approved	Approved	Approved	Approved	Approved	Estimated		
Wet Meadow Restoration	\$0	\$0	\$0	\$0	\$50,000	\$324,000		
Restoration								

1308 1309 1310

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PROGRAM TASK & ID: LP-2. FSM/MCM Actions at Habitat Complexes
Program First Increment Timeline
Annual
FY 2012 Start Date
January 1, 2012
FY 2012 End Date
December 31, 2012
Task Completed by
ED Office; contractors
Task Location
Plum Creek Complex, Cottonwood Ranch Complex; Elm Creek Complex; Fort Kearny Complex; and Shoemaker Island Complex
Shochaker Island Complex
Task Description
Plum Creek = \$15,900, CWR = \$193,290, Elm Creek = \$72,080, Ft. Kearny=\$80,770, Shoemaker Island
= \$177,090, \$100,000 new properties channel widening, island building/shaping, vegetation
management, prescribed fire, other AMP activities. Specific activities include:
Plum Creek Complex
<ul> <li>Pre-emergent herbicide application on Tract 2009003 OCSW habitat</li> </ul>
<ul> <li>In-channel vegetation control as needed to maintain unobstructed view widths</li> </ul>
<ul> <li>Prescribed fire to manage woody vegetation encroachment in grassland restoration areas and</li> </ul>
protect unobstructed view width
Cottonwood Ranch Complex
<ul> <li>Forest clearing and seeding on approximately 80 acres (Tracts 2008002, 2009006) to improve unobstructed view widths and remove predator perches</li> </ul>
<ul> <li>Pre-emergent herbicide application on Tract 2008002 OCSW habitat</li> </ul>
<ul> <li>Prescribed fire to maintain vegetation structure for whooping crane habitat</li> </ul>
T1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
• Electrical service and irrigation pump replacement on Tract 2010001 SW ¼ to protect irrigation right and provide supplemental water for palustrine wetlands
right and provide supplemental water for partistrine wettands
Elm Creek Complex
•
<ul> <li>In-channel nesting island construction below the diversion</li> <li>In-channel cross disking and overbank mowing to maintain unobstructed view widths</li> </ul>
Prescribed fire to manage woody vegetation encroachment in grassland restoration areas and protect unobstructed view width
<ul> <li>Construction of crane viewing blind</li> </ul>
Construction of crane viewing office

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#### 1362 Fort Kearny Complex

- Pre-emergent herbicide application on Tract 2009008 and 2010002 OCSW habitat
- Forest clearing on Tract 2001002 to improve unobstructed view widths
- NPPD transmission line marking with bird flight diverters
- Permanent woven wire predator fence on OCSW nesting peninsulas on Tract 2009008
- Prescribed burn to manage woody vegetation in grassland areas and protect unobstructed view width

#### Shoemaker Island Complex

- Construction for habitat selection experiments and habitat improvements including tree and vegetation clearing and in-channel nesting island construction
- Pre-emergent herbicide application on OCSW habitat

Prescribed burns to produce suitable vegetation structure for whooping crane use

#### 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**

Bid packages will be developed for FC approval once permits process is underway or completed; work will be completed in late summer/fall/winter 2012. See complex work plans for more details.

#### **Budget**

Program Task LP-2								
	2007	2008	2009	2010	2011	2012		
	Approved	Approved	Approved	Approved	Approved	Estimated		
FSM/MCM Actions at Habitat Complexes	\$0	\$1,400,000	\$200,000	\$1,270,000	\$483,000	\$639,130		
Habitat Complexes								

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PROGRAM TASK & ID: PD-15. AMP Permits **Program First Increment Timeline** Annual FY 2012 Start Date January 1, 2012 FY 2012 End Date December 31, 2012 Task Completed by ED Office; contractor (HDR) **Task Location** ED Office (Kearney, NE and Lincoln, NE) **Task Description** Contract services from HDR (extension of existing permit work) to secure site-specific Individual Permits or Regional General Permit for AMP management actions (island building, vegetation clearing, channel widening). Linkage to Priority Hypotheses in AMP Necessary to ensure implementation AMP management actions **Products** Permit(s) **Notes on Cost** N/A 

**Budget** 

Program Task PD-15								
	2007 2008 2009 2010 2011 2012							
	Approved	Approved	Approved	Approved	Approved	Estimated		
AMP Permits	\$0	\$0	\$10,000	\$50,000	\$200,000	\$150,000		

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PROGRAM TASK & ID: PD-18. AMP-Related Equipment **Program First Increment Timeline** Annual FY 2012 Start Date January 1, 2012 FY 2012 End Date December 31, 2012 Task Completed by ED Office **Task Location** Central Platte River **Task Description** Program buy-back of equipment. Headwaters Corporation will own equipment and will charge the Program a use rate for Program-related activities. Linkage to Priority Hypotheses in AMP Specific equipment important as management and monitoring tools related to AMP implementation. **Products** Program equipment use and maintenance. **Notes on Cost** N/A **Budget** 

Program Task PD-18								
	2007	2008	2009	2010	2011	2012		
	Approved	Approved	Approved	Approved	Approved	Estimated		
AMP-Related	\$0	\$0	\$140,000	\$50,000	\$55,000	\$66,215		
Equipment								

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PROGRAM TASK & ID: G-1 & G-2 (combined). LiDAR & Aerial Photography 

#### **Program First Increment Timeline**

Annual

#### FY 2012 Start Date

January 1, 2012

#### FY 2012 End Date

December 31, 2012

#### Task Completed by

Contractor (Kucera International, Inc.)

#### **Task Location**

Central Platte River, NE (Program associated habitats in central Platte)

#### **Task Description**

Acquire annual LiDAR data and aerial photography

#### Linkage to Priority Hypotheses in AMP

Critical topographical data for analysis of river response to Program actions. Aerial photography for analysis of vegetation, river morphology, target species habitat availability.

#### **Products**

Processed LiDAR point data, bare earth digital elevation model including special in-channel processing 

using breaklines (hydro-flattening), 2-foot resolution 4-band (CIR and true-color) aerial photography

from May/June, 6-inch resolution CIR aerial photography flown simultaneously with LiDAR in 

November/December 

**Notes on Cost** 

N/A 

**Budget** 

Program Task G-1 & G-2 (combined)								
	2007	2008	2009	2010	2011	2012		
	Approved	Approved	Approved	Approved	Approved	<b>Estimated</b>		
LiDAR	\$0	\$260,000	\$0	\$0	\$75,000	¢110 100		
Aerial Photography	\$10,000	\$10,000	\$40,000	\$21,000	\$25,000	\$118,100		

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

**Program First Increment Timeline** 

1540 Annual

1542 FY 2012 Start Date

1543 January 1, 2012

FY 2012 End Date

December 31, 2012

1548 Task Completed by

1549 Contractor

**Task Location** 

1552 Central Platte River

**Task Description** 

Implementation of Program geomorphology/in-channel vegetation monitoring protocol; field work, data analysis (analysis of collected data according to performance measures of importance for addressing Big Questions and Tier 1 hypotheses), and reporting.

**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.; data analysis and reporting.

**Notes on Cost** 

New contractor to be selected through RFP process in late 2011/early 2012; FY 2012 costs estimated based on 2009-2011 monitoring costs.

Budget

Program Task G-5									
	2007	2008	2009	2010	2011	2012			
	Approved	Approved	Approved	Approved	Approved	Estimated			
Geomorphology/In-	\$0	\$95,000	\$395,000	\$300,000	\$447,500	\$450,000			
Channel Vegetation									
Monitoring									

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PROGRAM TASK & ID: H-2. Program Water Gages
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1579 1580

# **Program First Increment Timeline**

1581 Annual

1582

#### 1583 FY 2012 Start Date

1584 January 1, 2012

1585 1586

# FY 2012 End Date

1587 December 31, 2012

1588 1589

# Task Completed by

1590 ED Office; contractor

1591 1592

#### Task Location

1593 Central Platte River

1594 1595

# **Task Description**

Gage maintenance and research gages; real-time Program gage data on Program web site.

1596 1597 1598

# 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.

1601 1602

#### **Products**

Gage maintenance, new gages, and data.

1603 1604 1605

1606

# **Notes on Cost**

Roughly \$15,000 for two new gages for Nebraska DNR (maintenance and support fee), Verizon bills to operate gages, USGS fee for gage at Cottonwood Ranch.

1607 1608 1609

#### **Budget**

1610

Program Task H-2										
	2007	2008	2009	2010	2011	2012				
	Approved	Approved	Approved	Approved	Approved	Estimated				
Program Stream Gages	\$0	\$29,500	\$30,000	\$50,000	\$50,000	\$40,000				

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

1623 1624 **P** 

**Program First Increment Timeline** 

1625 Annual

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1627 **FY 2012 Start Date** 

1628 January 1, 2012

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FY 2012 End Date

December 31, 2012

1631 1632 1633

Task Completed by

ED Office: contractors

1634 1635 1636

**Task Location** 

1637 Central Platte River

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#### **Task Description**

- 1) Detailed report by independent expert on linkages between bird cognition (primarily terns and plovers) and habitat selection.
- 2) Monitoring/research for potential impacts on channel, wet meadows, and other habitat related to planned 2012 EA releases (no SDHF in 2012); The Service also identifies a need to: 1) assess the groundwater/streamflow interaction on all Program sites containing wet meadows or those targeted for future wet meadow creation/restoration including the Fox Tract, and 2) develop wet meadow vegetation monitoring protocol. Recent meetings at the LAC and TAC identified the planned development or inclusion of wet meadow habitats for the PRRIP on the Binfield, Cottonwood Ranch, Fox, McCormick, and Stall properties. As indicated in the wet meadow information review, multiple studies have linked Platte River stage to groundwater levels. The Program EDO identified the willingness to develop a groundwater/surface water assessment for Fox tract. The Service encourages the Program to initiate a study that could be used to develop tools to monitor and evaluate the groundwater/surface water interaction for all current and future Program properties containing wet meadows. This may require additional budget allocations. Additionally, the October 12, 2011, LAC land management plan development meeting identified potential impacts and/or benefits that could occur to wet meadow habitat conditions as a result of management actions. The need to assess initial conditions and to evaluate changes in habitat over time could be accomplished by developing a wet meadow vegetation monitoring program. This would allow an adaptive management approach to achieving target wet meadow conditions (i.e. assess change in vegetative community from management action such as burning); include a process for assessing Platte River effects on wet meadow hydrology for all Program lands with existing or proposed wet meadow habitats. This would include a monitoring protocol that records groundwater levels at wet meadow sites, surface water acres at wet meadow sites, and river stage over time; include development of a wet meadow monitoring protocol. This could be combined with the groundwater monitoring study or a stand-alone study. The focus of this protocol would be to monitor changes in vegetation communities over time on wet meadows. This would provide the TAC a tool to evaluate how our management actions affect habitat.

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# Linkage to Priority Hypotheses in AMP

- 1) Detailed report intended to consolidate current literature and thinking on the role of cognition in selecting habitat; informative for Tier 1 tern and plover hypotheses, as well as helping to ensure that management actions such as island building incorporate all potential parameters of importance.
- 2) TBD

# **Products**

- 1) Research results in the form of a detailed report.
- 2) Monitoring/research results (groundwater monitoring at Fox Tract and other locations, channel changes relative to EA releases, etc.).

#### **Notes on Cost**

- 1) Estimated costs include \$30,000 for independent expert to conduct research and draft detailed report, and \$5,000 for possible assistance from Atkins to help identify the independent expert (similar to peer review panel selection process).
- 2) Estimate for 2012 monitoring/research; TAC will hold a workshop in late 2011 and/or early 2012 to discuss the questions intended to be addressed by the monitoring/research, the relationship to target flow releases to FSM, and other related topics.

# **Budget**

	Program Task IMRP-2									
	2007	2008	2009	2010	2011	2012				
	Approved	Approved	Approved	Approved	Approved	<b>Estimated</b>				
Adaptive	\$0	\$0	\$700,000	\$325,000	\$450,000	\$335,000				
Management Plan										
Directed Research										
Projects										

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

1711 1712 1713

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#### **Program First Increment Timeline**

1714 Annual

1715

#### 1716 FY 2012 Start Date

1717 January 1, 2012

1718

#### 1719 **FY 2012 End Date**

December 31, 2012

1720 1721 1722

# Task Completed by

1723 ED Office; special advisors

1724 1725

#### Task Location

1726 ED Office (Kearney, NE and Lincoln, NE); various locations of advisors

1727 1728

1729

1730

# 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

17311732

1733	Area of Expertise	Name	<b>Estimated Range of Expenditures</b>
1734	Geomorphology & Sed. Transport	Brad Anderson &	\$60,000
1735		Chester Watson	
1736	Vegetation Scour & Lateral Erosion	Andrew Simon &	\$40,000
1737		Natasha Bankhead	
1738	Ecological Statistics & Exper. Design	Darcy Pickard	\$40,000
1739	TOTAL	•	Not to Exceed \$140,000

1740 1741

#### 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

1743 1744 1745

1742

#### **Products**

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

1746 1747 1748

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1751

#### **Notes on Cost**

- Brad Anderson and Chester Watson Evaluation of effective discharge and changes in effective discharge over time (detailed report); advice on canal operations and civil engineering design (asneeded advice)
- Andrew Simon and Natasha Bankhead Vegetation scour and lateral erosion (as-needed advice; possible basic analysis in detailed report on lateral erosion rates)
- Darcy Pickard As-needed advice on experimental design and ecological statistics

1755

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# Budget

Program Task IMRP-3									
	2007	2008	2009	2010	2011	2012			
	Approved	Approved	Approved	Approved	Approved	Estimated			
Adaptive	\$0	\$0	\$0	\$150,000	\$150,000	\$140,000			
Management Plan									
Special Advisors									

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PROGRAM TASK & ID: IMRP-4. FSM "Proof of Concept" Activities @ Elm Creek Complex

#### **Program First Increment Timeline**

1804 FY2011-FY2016

#### 1806 FY 2012 Start Date

1807 January 1, 2012

# FY 2012 End Date

1810 December 31, 2012

#### Task Completed by

1813 ED Office; Contractors

#### **Task Location**

1816 Elm Creek Complex

#### **Task Description**

Implementation of monitoring protocol (two event-based topographic and vegetation surveys during the spring and end of summer 2012), and related data analysis for Elm Creek proof of concept (\$135,000). 2D hydraulic and sediment transport model updates per annual topographic survey, design of management experiments for Elm Creek Complex (e.g., selective sandbar leveling and vegetation clearing), and completion of model simulations for management experiments (\$68,000).

#### Linkage to Priority Hypotheses in AMP

Integral to learning about physical process priority hypotheses and related big questions. Supporting information for flow-vegetation-sediment relationships and what FSM management strategy will do on the central Platte River.

#### **Products**

Monitoring and modeling results documented in related reports (model construction technical memorandum, model application memorandum, management experiment statistical design memorandum, and annual topographic and vegetation monitoring report). Consultant presentations and participation in 1 TAC meeting and the spring 2012 Adaptive Management Reporting Session.

#### **Notes on Cost**

Cost estimates prepared by existing contractor (Tetra Tech), and reviewed by EDO. Cost also includes purchase and replacement costs for a pressure transducer to monitor stage-discharge relationship in the Elm Creek reach downstream of the Kearney Canal Diversion. For more details, seem Elm Creek Complex "Proof of Concept" Design Document.

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# **Budget** 1847

Program Task IMRP-4										
	2007	2008	2009	2010	2011	2012				
	Approved	Approved	Approved	Approved	Approved	Estimated				
FSM "Proof of	\$0	\$0	\$0	\$0	\$250,000	\$203,185				
Concept"										
Activities @ Elm										
Creek Complex										

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PROGRAM TASK & ID: IMRP-5. FSM "Proof of Concept" Activities @ Shoemaker Island Complex

1889 1890 1891

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#### **Program First Increment Timeline**

1892 FY2012-FY2016

1893

#### 1894 FY 2012 Start Date

1895 January 1, 2012

1896 1897

#### FY 2012 End Date

December 31, 2012

1898 1899 1900

# Task Completed by

1901 ED Office; Contractors

1902 1903

#### **Task Location**

1904 Shoemaker Island Complex

1905 1906

# **Task Description**

1907 Implementation of Elm Creek FSM monitoring protocol at Shoemaker Island Complex; application of 2 1908 D model.

1909 1910

#### Linkage to Priority Hypotheses in AMP

1911 Integral to learning about physical process priority hypotheses and related big questions. Supporting
1912 information for flow-vegetation-sediment relationships and what FSM management strategy will do on
1913 the central Platte River.

1914 1915

1916

#### **Products**

Monitoring and modeling results; contractor presentations and participation in one TAC meeting and the spring 2012 Adaptive Management Reporting Session.

1917 1918 1919

#### **Notes on Cost**

1920 Cost estimate based on initial estimate for similar work at Elm Creek Complex; contractor for Shoemaker 1921 Island Complex to be selected through RFP process in early 2012; \$100,000 for implementation 1922 monitoring protocol and \$150,000 for application of 2-D model at Shoemaker Island Complex

1923 1924

# **Budget**

1925

	Program Task IMRP-5									
	2007	2008	2009	2010	2011	2012				
	Approved	Approved	Approved	Approved	Approved	Estimated				
FSM "Proof of	\$0	\$0	\$0	\$0	\$0	\$250,000				
Concept"										
Activities @										
Shoemaker Island										
Complex										

1926

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PROGRAM TASK & ID: IMRP-6. Habitat Availability Analysis

1928 1929 1930

1927

## **Program First Increment Timeline**

1931 Annual

1932

#### 1933 FY 2012 Start Date

1934 January 1, 2012

1935 1936

#### FY 2012 End Date

1937 December 31, 2012

1938 1939

# Task Completed by

1940 ED Office; Contractor (RBJV)

1941

#### 1942 Task Location

1943 Central Platte River, NE

1944 1945

1946

1957

1962

# **Task Description**

# LTPP Habitat Availability Analysis (2007 and 2012; 2008-2011 under existing contract)

Tasks: Classify imagery by cover type (bare sand, vegetation, and water); develop and overlay HEC-RAS model on the classified imagery to identify suitable nesting habitat; create a model that includes all Program minimum habitat criteria buffers (1.5' above 1,200cfs, 200' to trees, 50' water buffer, 1.5

Program minimum habitat criteria buffers (1.5' above 1,200cfs, 200' to trees, 50' water buffer, 1.5 acres/0.25 mile reach of river, etc.) to automate the process; create a geodatabase to house results of all

annual habitat availability analyses; create a methods document and report outlining methods used,

assumptions, and results; and assist EDO with preparing a presentation for the AMP Reporting Session.

1953 **Deliverables:** Summary report presenting acres of on- and off-channel bare-sand habitat and Program

defined 'suitable' nesting habitat by year (2008-2011); geodatabase of available on- and off-channel

habitat by year; detailed methods document covering procedures and assumptions; and a presentation for

the AMP Reporting Session.

# WC Habitat Availability Analysis (2007-2012)

Similar to above with a much more detailed classification of imagery and a geodatabase that includes the amount and location of all the various landcover classes suitable for WC use.

1960 **Tasks:** Classify imagery by cover type (sandbar, river, wet meadow, lacustrine wetland, corn, soybean, alfalfa, rangeland, wheat, etc.); develop and overlay HEC-RAS model on classified imagery to identify

suitable roosting habitat (water 2-12" deep); create a model that includes all Program minimum habitat

criteria buffers (distance to trees and disturbance, channel width, unobstructed view widths, etc.) to automate the process; create a geodatabase to house results of all annual habitat availability analyses;

create a methods document and report outlining methods used, assumptions, and results; and assist EDO

with preparing a presentation for the AMP Reporting Session.

Deliverables: Summary report presenting acres of WC foraging and roosting habitat by habitat type and year (2007-2012); geodatabase of available habitat by type and year; detailed methods document covering procedures and assumptions; and a presentation for the AMP Reporting Session.

1970 1971

#### Linkage to Priority Hypotheses in AMP

1972 Integral to all priority tern and plover and whooping crane hypotheses.

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PRRIP – ED OFFICE DRAFT 11/22/2011

#### **Products**

1974 See above.

#### **Notes on Cost**

- Rainwater Basin Joint Venture (RBJV) was contracted during 2011 to complete Tern and Plover Habitat Availability Analyses for 2008-2011 (2011 Budget Line Item TP-1). Sole-source cost proposal from RBJV for 2012-2015 work to be discussed during December 2011 GC meeting. Funding during 2012 will cover costs for conducting Tern and Plover Habitat Availability Analyses for 2007 and 2012 and for conducting six annual Whooping Crane Habitat Availability Analyses (2007-2012).
- RWBJV is currently performing a similar analysis for tern and plover habitat
  - o Sole-source approved by GC via email vote from May 13 to May 20, 2011.
  - o RWBJV reported year 1 LTPP analysis results to the TAC in October and the TAC was very pleased with what has been produced so far.
- As with LTPP analysis, RWBJV possesses specialized experience and software used to perform analysis.
- As a non-profit organization interested in management and maintenance of habitat for migratory birds, they have performed similar habitat classification analyses for public lands in their project area (south-central Nebraska Rainwater Basins, eastern Nebraska tallgrass prairie). They possess trained staff and equipment to perform this type of analysis.
- The WC analysis is subject to a great deal of uncertainty on the Program's part that is being worked through in 2012, and the agreement with RWBJV will be set up in such a way that they will work closely and cooperatively with the Program committees and ED staff to run and re-run analyses as the Program's habitat definitions are developed.
- The agreement is intended to be set up as an effort-based not-to-exceed agreement to deal w/ the possibility that the Program's uncertainty may draw the project out longer than 1 year. At this time, the intent is to set up an agreement not to exceed ~\$134,227, with a duration of 18 months from January 2012 through June 2013.
- The billing rates for this project are substantially less than you can expect from any consultant if this project was put out for bid.
- The project and the level of uncertainty and expected commitment have been discussed with RWBJV
  and they are ready and willing to work cooperatively and collaboratively with the Program to
  complete the project.

#### **Budget**

	Program Task IMRP-6									
	2007	2008	2009	2010	2011	2012				
	Approved	Approved	Approved	Approved	Approved	Estimated				
Habitat	\$0	\$0	\$0	\$0	\$0	\$143,227				
Availability										
Analysis										

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

2016 2017 2018

2019

2015

# **Program First Increment Timeline**

2020 Annual

2021

#### 2022 FY 2012 Start Date

2023 January 1, 2012

2024 2025

#### FY 2012 End Date

December 31, 2012

202620272028

# Task Completed by

2029 ED Office; Riverside Technology, Inc. (RTi)

2030

#### 2031 Task Location

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

203220332034

# **Task Description**

2035 Ongoing database development and management by RTi.

2036 2037

# Linkage to Priority Hypotheses in AMP

System will house and manage all Program administrative and technical data.

2038 2039

2041

#### 2040 **Products**

Database maintenance, website support and hosting for meeting coordination and interface with Program technical data, public Program website and document library support and hosting.

204220432044

#### Notes on Cost

2045 N/A

2046

# 2047 Budget

2048

	Program Task PD-8									
	2007	2008	2009	2010	2011	2012				
	Approved	Approved	Approved	Approved	Approved	Estimated				
Database	\$150,000	\$159,000	\$200,000	\$370,000	\$140,000	\$165,615.18				
Management										
System										
Development &										
Maintenance										

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2050

20512052

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

205620572058

2055

## **Program First Increment Timeline**

Annual

205920602061

#### FY 2012 Start Date

2062 April 1, 2012

2063 2064

#### FY 2012 End Date

December 31, 2012

206520662067

2068

# Task Completed by

ED Office; Program partners; USGS

2069 2070

#### Central Platte River, NE

207120722073

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# **Task Description**

**Task Location** 

Implement monitoring protocol during nesting season; Program staff will coordinate and lead field work, but seasonal technicians and contracted personnel (USGS) will be necessary to work with Program staff and partners to properly collect all data. Monitoring effort will remain elevated in FY2012 to: ensure proper data collection at nest sites (elevation, vegetation, etc.); conduct independent observer counts on Program Associated Habitats to evaluate techniques used to monitor tern and plover adults, nests, chicks, and fledglings (inside versus outside counts); band least tern and piping plover chicks and adults; and to document habitat conditions (availability and elevation of nesting habitat, vegetation establishment on islands, etc.) on the central Platte River.

208120822083

### Linkage to Priority Hypotheses in AMP

Links to all priority tern and plover hypotheses

208420852086

#### **Products**

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

2088 2089 2090

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#### **Notes on Cost**

Funding during 2012 will cover costs associated with hiring a USGS crew to assist with collecting data and banding chicks and adults (\$150,000); \$25,000 for USDA Wildlife Service to trap predators (January-February and May-August) at Program managed sites (Dyer, CWR, Elm Creek Complex, Broadfoot South, Newark, Leaman, etc); \$40,000 for Program costs associated with implementation-related activities (technician, fencing materials, etc). Due to FWS budget constraints, EDO staff and USGS will conduct semi-monthly river surveys between Alda and Chapman during 2012.

2096 2097 2098

#### **Budget**

Program Task TP-1								
	2007 2008 2009 2010 2011 2							
	Approved	Approved	Approved	Approved	Approved	Estimated		
Tern & Plover Monitoring	\$14,000	\$20,000	\$100,000	\$150,000	\$300,000	\$215,000		

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

2101 2102

**Program First Increment Timeline** 

2103 Annual

2104

2105 FY 2012 Start Date

2106 March 1, 2012

2107 2108

FY 2012 End Date

2109 December 31, 2012

2110

2111 Task Completed by

2112 Contractor (WEST, Inc.; AIM Consultants subcontracted for field work)

2113

2114 Task Location

2115 Central Platte River, NE

2116

2117 Task Description

2012 implementation of the whooping crane monitoring protocol and data analyses associated with the four-year contract (Fall 2011 – Spring 2015) established with WEST Inc.

2120 2121

Linkage to Priority Hypotheses in AMP

2122 Provides whooping crane use and occurrence data linked to all whooping crane hypotheses.

2123

2124 Products

2125 Spring and fall report; data analysis

2126

2127 Notes on Cost

**Budget** 

The Program entered into a 4-year contract spanning 8 migration seasons (fall 2011 – Spring 2015) with

2129 WEST; WEST will analyze and report on data collected during the 2012 spring and fall migrations.

21302131

2132

Program Task WC-1									
	2007	2008	2009	2010	2011	2012			
	Approved	Approved	Approved	Approved	Approved	Estimated			
Whooping Crane Monitoring	\$130,000	\$130,000	\$150,000	\$150,000	\$170,000	\$225,091			

2134 2135

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21362137

21382139

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

21432144

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# 2145 **Program First Increment Timeline**

2146 FY2011-FY2016

2147

#### 2148 FY 2012 Start Date

2149 January 1, 2012

21502151

#### FY 2012 End Date

2152 December 31, 2012

21532154

#### Task Completed by

Whooping Crane Tracking Partnership including Canadian Wildlife Service, Crane Trust, U.S. Fish and
 Wildlife Service, Platte River Recovery Implementation Program, and U.S. Geological Survey.

2157 2158

#### **Task Location**

2159 Whooping crane migration route; central Platte River, NE

2160 2161

# Task Description

Funding to purchase GPS-PTT Transmitters, capture and affix telemetry equipment to ~20 (total) whooping cranes during spring and fall 2012, and to download and store WC location data from the Argos System.

2165 2166

#### Linkage to Priority Hypotheses in AMP

2167 Links to all priority whooping crane hypotheses

2168 2169

#### **Products**

2170 Spring and fall migration reports and database through 2012

2171

#### 2172 Notes on Cost

**Budget** 

2173 The Program entered into a 6-year agreement (2011-2016) with the Whooping Crane Tracking

Partnership during 2011 that allows the Program access to telemetry data and reports through 2016 and

2175 the ability to evaluate whooping crane response to management actions along the central Platte River.

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Program Task WC-3									
	2007	2008	2009	2010	2011	2012			
	Approved	Approved	Approved	Approved	Approved	Estimated			
Whooping Crane	\$0	\$125,000	\$125,000	\$125,000	\$125,000	\$167,100			
Telemetry Tracking									

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PROGRAM TASK & ID: WC-5. IGERT Whooping Crane Habitat Selection Project

21882189

# **Program First Increment Timeline**

2190 FY2012-FY2013

2191

#### 2192 FY 2012 Start Date

2193 January 1, 2012

21942195

#### FY 2012 End Date

December 31, 2012

219621972198

# Task Completed by

2199 ED Office; UNL IGERT student (Trevor Hefley)

2200 2201

#### **Task Location**

2202 Kearney, NE (EDO); Lincoln, NE (UNL)

2203 2204

2205

2206 2207

# **Task Description**

Organize and process Nebraska WC location database; develop methodology and implement elicitation sessions with WC experts; develop analysis code and perform expert-informed WC habitat selection analysis to test whooping crane priority hypotheses and inform management; prepare final report and present findings at the Program's AMP Reporting Session.

220822092210

#### Linkage to Priority Hypotheses in AMP

Links to all priority whooping crane hypotheses

221122122213

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#### Products

Summary report presenting methods and results of WC habitat selection analysis in a manner that can be used to inform management decisions; annotated statistical code for repeating analyses in the future; and a presentation at the Program's AMP Reporting Session.

2216 2217 2218

#### **Notes on Cost**

2219 One-time Program commitment of funds to IGERT Program at UNL.

2220 2221

# Budget

2222

Program Task WC-5							
	2007	2008	2009	2010	2011	2012	
	Approved	Approved	Approved	Approved	Approved	Estimated	
Whooping Crane	\$0	\$0	\$0	\$0	\$0	\$25,000	
Telemetry Tracking							

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

#### **Program First Increment Timeline**

Annual

#### FY 2012 Start Date

January 1, 2012

#### FY 2012 End Date

December 31, 2012

# Task Completed by

Contractor (TBD through RFP in late 2011/early 2012)

#### **Task Location**

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

# **Task Description**

Water quality monitoring of key parameters based on specific Program actions (e.g. sediment augmentation, island building in the channel) at locations in the central Platte and lower Platte.

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

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; involvement in the annul AMP Reporting

Session.

#### **Notes on Cost**

New contractor selected through RFP process in late 2011/early 2012; cost estimates based on 2009-2011 monitoring costs and estimates for 2012 from current contractor (EA).

# **Budget**

Program Task WQ-1							
	2007	2008	2009	2010	2011	2012	
	Approved	Approved	Approved	Approved	Approved	<b>Estimated</b>	
Water Quality Monitoring	\$0	\$40,000	\$184,000	\$180,000	\$280,000	\$150,000	

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2271 PROGRAM TASK & ID: ISAC-1. ISAC Stipends & Expenses 2272 2273 2274 **Program First Increment Timeline** 2275 Annual 2276 2277 FY 2012 Start Date 2278 January 1, 2012 2279 2280 FY 2012 End Date December 31, 2012 2281 2282 2283 Task Completed by ED Office; Independent Scientific Advisory Committee (ISAC) 2284 2285 2286 **Task Location** 2287 Basin meeting locations TBD 2288 2289 **Task Description** 2290 Six ISAC members x 3 meetings x 3-day meetings x \$1,300 per ISAC member per day = \$70,2002291 2292 EDO proposed three, 3-day meetings (two meeting days, one travel day per meeting) as follows: 1) AMP Reporting Session in Denver, CO (March) – ISAC interaction with EDO staff, Program 2293 participants, and contractors; review and discussion of "State of the Platte" Report; review and 2294 2295 discussion of latest drafts of AMP documents such as Synthesis Report 2) Summer workshop in Kearney, NE (June-July) – field visits to implementation sites; focused 2296 discussion on O1.5 flow issues 2297 2298 3) Fall meeting in Denver, CO (October-December) –opportunity for ISAC to meet together to build 2012 ISAC Report to GC 2299 2300 2301 Additional stipend for ISAC chair to complete FY2011 report = \$10,000 Ten days of additional document review x six ISAC members x \$1,300 per day = \$78,0002302 Total travel expenses for ISAC members and associated meeting expenses = \$25,000 2303 2304 2305 Linkage to Priority Hypotheses in AMP 2306 Key element of independent scientific review of AMP, IMRP, management strategies, and associated 2307 priority hypotheses 2308 2309 **Products** 2310 ISAC review of Adaptive Management Plan (AMP) implementation, experimental design, and other Program products and activities; work will culminate in annual report by the end of 2012 2311 2312 2313 **Notes on Cost** 2314 N/A 2315

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231623172318



# **Budget**2320

Program Task ISAC-1 Approved Approved **Approved Approved** Approved **Estimated** ISAC Stipends & \$75,000 \$115,000 \$70,000 \$150,000 \$185,000 \$185,000 Expenses

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

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Annual

**Program First Increment Timeline** 

FY 2012 Start Date

January 1, 2012

FY 2012 End Date December 31, 2012

Task Completed by Contractor (Atkins); Peer Review panelists

Various locations of Peer Reviewers

# **Task Description**

**Task Location** 

Peer review of five (5) Program documents as defined below:

		per Reviewer	Total Review	PBS&J	Total
Document	# Reviewers	Cost	Panel Cost	Services	Cost
Elm Creek FSM & Bird					
Response Design					
Document	4	\$5,000	\$20,000	\$5,000	\$25,000
Additional Document	3	\$5,000	\$15,000	\$5,000	\$20,000
Additional Document	3	\$5,000	\$15,000	\$5,000	\$20,000
Additional Document	3	\$5,000	\$15,000	\$5,000	\$20,000
Potential assistance with	1-3 new				
replacing ISAC members	members	\$0	\$0	\$5,000	\$5,000
_					\$90,000

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Linkage to Priority Hypotheses in AMP

Program peer review panels. Services include:

Summarize comments from each panel Deliver final report to EDO for each panel

Provide background information for all potential candidates

Independent peer review of key documents to ensure projects are consistent with Program goals and objectives

Atkins under contract through 2013 to provide on-demand, as-needed science review services for

Recommend candidates for each panel according to appropriate areas of expertise

Recommend panelists and provide conflict of interest statements for all panelists

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Communicate with panelists (Program provides scope of work and handles contracting for payment)



**Products** 

2400 Peer review reports for each reviewed document

**Notes on Cost** 

Cost estimate includes \$5,000 for Atkins assistance with potentially replacing 1-3 ISAC members for 2013.

# **Budget**

Program Task PD-3							
	2007	2008	2009	2010	2011	2012	
	Approved	Approved	Approved	Approved	Approved	Estimated	
AMP & IMRP	\$50,000	\$105,000	\$50,000	\$50,000	\$115,000	\$90,000	
Peer Review							

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2442 PROGRAM TASK & ID: PD-11. AMP Reporting 2443 2444 2445 **Program First Increment Timeline** 

2446 Annual

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FY 2012 Start Date 2448 2449 January 1, 2012

2451 FY 2012 End Date

2452 May 31, 2012 2453

2454 Task Completed by 2455 ED Office; TAC

2457 **Task Location** 

ED Office (Kearney, NE and Lincoln, NE); Denver, CO 2458

2460 **Task Description** 

2461 AMP Reporting Session in Denver, CO

Linkage to Priority Hypotheses in AMP

Evaluation of AMP experimental design, planned data analysis, 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** 

AMP Reporting Session in Denver, CO

2471 **Notes on Cost** 

> AMP-related contractors will be required to attend the AMP Reporting Session (tentatively March 2012 in Denver) so travel and associated meeting expenses will be covered if not already covered under existing contracts/agreements.

**Budget** 

**Program Task PD-11** 2007 2008 2009 2010 2011 2012 Approved **Estimated** Approved Approved Approved Approved **AMP Reporting** \$10,000 \$0 \$10,000 \$70,000 \$25,000 \$25,000

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