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# PROGRAM FISCAL YEAR 2012 BUDGET AND ANNUAL WORK PLAN

**PLATTE RIVER RECOVERY IMPLEMENTATION** 

## Prepared by:

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

## Prepared for:

- **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 24

### December 2011 25





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## PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM FISCAL YEAR 2012 BUDGET AND ANNUAL WORK PLAN 123

124 125

### 126 Introduction

The Platte River Recovery Implementation Program (Program) was initiated on January 1, 2007 as a 127 basin-wide effort between the states of Colorado, Wyoming, and Nebraska and the Department of Interior 128 to provide land, water, and scientific monitoring and research to evaluate Program benefits for the target 129 130 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 131 132 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 133 134 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 135 potential effects on the target species; help prevent the need to list more Platte River species under the 136 137 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 138 139 government and stakeholder involvement in the Program.

140

The Program is led by a Governance Committee (GC) consisting of representatives of Colorado, 141

142 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 143

standing Advisory Committees to assist the GC in implementing the Program. Those committees include 144

145 the Technical Advisory Committee (TAC), the Land Advisory Committee (LAC), the Water Advisory

146 Committee (WAC), the Finance Committee (FC), and the Independent Scientific Advisory Committee

147 (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). 148

149

150 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 151

- 152 worked closely with the GC, the Advisory Committees, the AMWG, Program cooperators and partners,
- 153 and others to develop the FY 2012 Program Budget and Work Plan based on guidance from the Final
- 154 Program Document and Program goals and priorities.

## 155

156 This document presents the final FY 2012 Program Budget and Annual Work Plan, including the budget 157 spreadsheet.

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166	PROGRAM TASK & ID: ED-1. Salaries/Travel/Office Expenditures
167	
168 169	Program First Increment Timeline
109	Annual
171	
172	FY 2012 Start Date
173	January 1, 2012
174	•
175	FY 2012 End Date
176	December 31, 2012
177	
178	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
185 186	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. <b>Exhibit A</b> (Scope) of
187	ED Contract and Staffing Plan provide documentation of effort.
188	ED contract and Starring I fan provide documentation of erfort.
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
196	Detailed breakdown of budget provided in ED Contract/Office Budget (Exhibit B); no anticipated further
197	growth in staff levels.
198	
199	Budget
200	
	Program Task ED-1

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



	PROGRAM TASK & ID: ED-2. Administrative and Other Support Services
	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
	ED Office
	<b>Task Description</b> 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.
	surveying, appraisais, i hase i Environmental Surveys, attorneys with land of water specialty, etc.
	Linkage to Priority Hypotheses in AMP
	N/A
	Products
	Contract services support for Program activities
	Notes on Cost
	Individual contracts determined by ED according to need, expertise, priority, etc.
	Dudaat
	Budget
ſ	Program Task ED-2
	2007 2008 2009 2010 2011 2012

		2007	2008	2009	2010	2011	2012
		Approved	Approved	Approved	Approved	Approved	Estimated
	Administrative and	\$17,000	\$150,000	\$250,000	\$200,000	\$200,000	\$150,000
	Other Support Services						
242							
243							
244							
245							
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248							

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	PROGRAM TASK & ID: ED-3. Public Outreach
Pr	ogram First Increment Timeline
	nual
1 11	
FY	2012 Start Date
	nuary 1, 2012
0 ai	indi j 1, 2012
FY	2012 End Date
	cember 31, 2012
Та	sk Completed by
ED	Office
Та	sk Location
ED	Office (Kearney, NE)
Та	sk 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 broad
	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 hydrol
	cycle, the interaction of rivers and sediment in sand-bed streams, the relationship of rivers to hat
	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 hand
	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, hand
	learning experiences.
•	\$20,000 for exhibitor fees, publication of materials, and promotional materials for venues such a
	Husker Harvest Days, South Platte Forum, Colorado Water Congress, Rivers and Wildlife, Kear
	Crane Festival, and other public and professional outreach and education opportunities.
	nkage to Priority Hypotheses in AMP
N/.	A
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	oducts
Pro	ogram visibility and communication with the public
• -	
	tes on Cost
N/.	A

## 300 Budget

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

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PROGRAM TASK & ID: GFC-1. NCF Fees
Program First Increment Timeline
Annual
FY 2012 Start Date
January 1, 2012
FY 2012 End Date
December 31, 2012
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 2012. Fee paid based
- 364 on sliding scale percentage of fees handled by NCF, defined below:
- 365

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.
- 368
- 369 Linkage to Priority Hypotheses in AMP
- 370 N/A
- 371

## 372 **Products**

- 373 Financial support services for Program
- 374375 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		



## 11/02/2011

380 381	<b>PROGRAM TASK &amp; ID: GFC-2. Pulse Flow and Other Insurance</b>
382	
383	Program First Increment Timeline
384	Annual
385	
386	FY 2012 Start Date
87	January 1, 2012
88	
39	FY 2012 End Date
90	December 31, 2012
91	
92	Task Completed by
93	ED Office, Dunbar-Peterson
94	
95	Task Location
6	ED Office; insurance provider office in Omaha, Nebraska
7	
8	Task Description
9	Insurance acquired for representatives of the GC and subcommittees (including alternates) and ED Office
) 1	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
5	Products
7	Products Program insurance policy
8 9	Program insurance poincy
)	Notes on Cost
, _	Premium and fees negotiated with selected provider.
	r remain and rees negotiated with selected provider.
	Budget
	Duugu
.4	

		Program T	ask GFC-2			
	2007	2008	2009	2010	2011	2012
	Approved	Approved	Approved	Approved	Approved	Estimated
Pulse Flow and Other	\$100,000	\$50,000	\$60,000	\$70,000	\$75,000	\$70,000
Insurance						

## 11/02/2011

PROGRA	AM TASK &	ID: GFC-3.	Expenses	, Meeting F	Rooms, etc	2.
Program First Incre	mont Timolin					
Annual	ement i menn	e				
Annual						
FY 2012 Start Date						
January 1, 2012						
, , , , , , , , , , , , , , , , , , ,						
FY 2012 End Date						
December 31, 2012						
Task Completed by						
ED Office; GC; FC						
Task Location						
Meeting locations in	NE, WY, and C	CO				
<b></b>						
Task Description			1 6 99 1			
Limited budget amou				FC meetings;	other miscella	ineo
for holding meetings	(e.g. conterenc	e can lees, Av	iees)			
Linkage to Priority	Hypotheses in	АМР				
N/A	nypoincises m					
Products						
Meeting space and as	ssociated needs					
0						
Notes on Cost						
N/A						
Budget						
			Task GFC-3			1
	2007	2008	2009	2010	2011	E-
Ennerge Martin	Approved	Approved	Approved	Approved	Approved	Est
Expenses, Meeting	\$5,000	\$5,000	\$5,000	\$5,000	\$1,000	

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Rooms, etc.



	<b>PROGRAM TASK &amp; ID: GFC-4. Pulse Flow Reserve</b>
	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
	Task Location
	ED Office (Kearney, NE) and NCF (Lincoln, NE)
	Task Description
	Reserve fund for potential Environmental Account (EA) bypass-related costs.
	Linkage to Priority Hypotheses in AMP
	N/A
	Products
	Reserve fund
	Notes on Cost
	One-time cost held in reserve during First Increment, registered as reserved in 2009 and carried forward
	as Unliquidated Obligation.
	Budget
_	

		Program	n 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						
		ApprovedPulse Flow\$0	20072008ApprovedApprovedPulse Flow\$0	ApprovedApprovedApprovedPulse Flow\$0\$0\$1,000,000	2007         2008         2009         2010           Approved         Approved         Approved         Approved         Approved           Pulse Flow         \$0         \$0         \$1,000,000         \$0	2007         2008         2009         2010         2011           Approved         Approved



PROGR	AM TASK &	ID: LAC-1	. Expenses	, Meeting	Rooms, et	с.
Program First Incre	ement Timelino	e				
Annual						
EV 2012 Start Data						
FY 2012 Start Date January 1, 2012						
January 1, 2012						
FY 2012 End Date						
December 31, 2012						
December 51, 2012						
Task Completed by						
ED Office; LAC						
Task Location						
All LAC meetings are	e held in centra	l Nebraska				
Task Description						
Limited budget amou				eetings; other r	niscellaneous	costs fo
holding meetings (e.g	g. conference ca	Ill fees, AV te	es)			
Linkage to Priority	II					
N/A	nypomeses m	AMP				
Products						
Meeting space and as	sociated needs					
<b>8 1</b>						
Notes on Cost						
N/A						
Budget						
		-				
		0	Task LAC-1	224.0		••••
	2007	2008	2009	2010	2011	201

		2007	2008	2009	2010	2011	2012
		Approved	Approved	Approved	Approved	Approved	Estimated
	Expenses, Meeting	\$7,500	\$7,500	\$7,500	\$7,500	\$1,000	\$1,000
	Rooms, etc.						
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11/02/2011

552	PROGR/	AM TASK &	<b>ID: WAC-1</b>	. Expenses	, Meeting	Rooms, et	c.
553				-		•	
554							
555	Program First Incr	ement Timelin	e				
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						
568	Meeting locations in	NE, WY, and O	CO				
569							
570	Task Description						
571	Limited budget amou				neetings; other	miscellaneou	s costs for
572	holding meetings (e.g	g. conference ca	all fees, AV fee	es)			
573							
574	Linkage to Priority	Hypotheses in	AMP				
575	N/A						
576							
577	Products						
578	Meeting space and as	ssociated needs					
579							
580	Notes on Cost						
581	N/A						
582							
583	Budget						
584							
				Task WAC-1			
		2007	2008	2009	2010	2011	2012
		Approved	Approved	Approved	Approved	Approved	Estimate
	Expenses, Meeting	\$5,000	\$5,000	\$5,000	\$5,000	\$1,000	\$1,000

	Rooms, etc.
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Approved Estimated

## 11/02/2011

PROGR	AM TASK &	ID: TAC-1	. Expenses	, Meeting I	Rooms, et
Program First Incr	ement Timelin	e			
Annual					
FY 2012 Start Date					
January 1, 2012					
FY 2012 End Date					
December 31, 2012					
Task Completed by	,				
ED Office; TAC					
Task Location		~ ~			
Meeting locations in	NE, WY, and C	CO			
Task Description					• 11
Limited budget amou				eetings; other i	miscellaneous
holding meetings (e.	g. conference ca	all lees, AV lee	es)		
Linkage to Priority	Hypotheses in	амр			
N/A	itypotneses in				
Products					
Meeting space and a	ssociated needs				
space and a	sboolated needs				
Notes on Cost					
N/A					
Budget					
8					
		Program	Task TAC-1		
	2007	2008	2009	2010	2011
	Approved	Approved	Approved	Approved	Approved
Expenses, Meeting	\$5,000	\$5,000	\$5,000	\$5,000	\$1,000

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636 637 Rooms, etc.

### 11/02/2011

	PROGRAM TASK & ID: LP-3. Land Acquisition						
	Program First Increment Timeline						
	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						
ſ	2007 2008 2009 2010 2011 2012						

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Land Acquisition

Approved

\$0

Approved

\$6,000,000

Approved

\$7,000,000

Approved

\$6,000,000

Approved

\$5,000,000

**Estimated** \$5,000,000

### 11/02/2011

682 683	PROGRAM TASK & ID: LP-4. La	nd Management
684		
685	Program First Increment Timeline	
686	Annual	
687		
688	FY 2012 Start Date	
689	January 1, 2012	
690		
691	FY 2012 End Date	
692	December 31, 2012	
693		
694	Task Completed by	
695	ED Office; LAC; Land Interest Holding Entity (LIHE)	
696		
697	Task Location	
698	Land interest locations	
699		
700	Task Description	
701	Funding for non-AMP related management activities (fencing, r	
702	management, property maintenance, day-to-day management, no	on-AMP tree and channel clearing, etc.).
703	By complex estimates:	
704	1. Cottonwood Ranch Complex	
705	a. Property Maintenance	\$24,500
706	2. Elm Creek Complex	<b>4.</b>
707	a. Property Maintenance	\$26,000
708	3. Ft. Kearny Complex	¢ <0,000
709	a. Property Maintenance	\$60,000
710	b. Agricultural Operations	<u>\$30,000</u>
711	Total	\$90,000
712	4. Plum Creek Complex	\$ <b>5</b> < 900
713	a. Property Maintenance	\$56,800
714	5. Shoemaker Island Complex	¢112.500
715	a. Property Maintenance	\$112,500
716	6. New Properties (6)	\$100,000
717	10181	\$409,800
718 719	Linkage to Priority Hypotheses in AMP	
720	N/A	
720	N/A	
721	Products	
723	Program lands managed properly according to Program guidelin	es and "Good Neighbor" policy
724	riogram rands managed property according to riogram guidem	es and Good Neighbor policy.
725	Notes on Cost	
726	Based on estimates for work on five Program complexes, and an	estimated six additional acquisitions
720	For more details, please see tract-specific annual work plans.	commated six additional acquisitions.
728	i or more details, prease see tract-specific annuar work plans.	
729		
,		

## 730 Budget

7	2	1
1	J	т.

			Program Task	LP-4		
	20				2011	2012
	Appr	oved Appro	oved Appro	ved Approve	ed Approved	Estimated
Land Manage	ement \$	0 \$0	\$500,0	\$588,800	0 \$365,500	\$409,800



### 11/02/2011

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

- **Program First Increment Timeline**
- 778 Annual

#### 780 FY 2012 Start Date

- 781 January 1, 2012

## FY 2012 End Date

- December 31, 2012
- 785

### 786 **Task Completed by**

- 787 ED Office; Contractor
- 788

#### 789 **Task Location**

- 790 ED Offices; Contractor Offices
- 791

#### 792 **Task Description**

793 Continued land management will be needed by American Realty and Agriaffiliates for the transformation 794 from cropland at Fox, Hostetler, Morse, and Binfield. FSA records need to be adjusted next year to move 795 into grass. Broadfoot will still be a corn crop with marketing and input costs but will finish at the end of 796 2012. Continued grassland leases for having and grazing on all properties will happen next year and 797 annually to the end of the first increment. At a point the combined costs will reduce to a maintenance

- 798 level and with multiple year leases those numbers can become stable.
- 799

#### 800 **Products**

- 801 Meeting participation •
- 802 Memoranda and reports •
- 803
- Notes on Cost 804
- 805 N/A
- 806

### 807 **Budget**

808

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

815 816



## 11/02/2011

PROG	RAM TAS	K & ID: LP	-7. Public	Access Ma	anagement					
<b>Program First Incre</b>	ment Timeli	ne								
Annual										
FY 2012 Start Date										
January 1, 2012										
FY 2012 End Date										
December 31, 2012										
Task Completed by										
ED Office; Contractor	rs (TBD)									
Task Location										
All Available PRRIF	properties									
Task Description										
This program will nee										
additional land in upc	0.		prepare for in	creases in cost	ts from the provi	ider				
Nebraska Game and H	Parks Commi	ssion.								
T.I. ( D )	<b></b> .									
Linkage to Priority	Hypotneses 1	n AMP								
N/A										
Duo duota										
<b>Products</b> Opportunities for the	concrol publi	a ta usa Drogra	m lands for ou	tdoor roorooti	on and access un	dor				
acceptable guidelines						luel				
acceptable guidennes	without liner	Tering with Fig	ogram Goals an	iu primary spe	cies neeus.					
Notes on Cost										
Notes off Cost N/A										
1N/PA										
Budget										
Duugei										
		Progr	am Task LP-7							
	2007	2010	2009	2010	2011	2012				
	Approved	Approved	Approved	Approved	Approved	Estimated				

853

854 855

856

857

858 859

Public Access

Management

\$0

\$0

\$0

\$0

\$50,000

\$50,000



860 861 862 **PROGRAM TASK & ID: WP-1. Active Channel Capacity Improvements** 

- 863 **Program First Increment Timeline**
- 864 Annual
- 865866 FY 2012 Start Date
- 867 January 1, 2012
- 868

## 869 FY 2012 End Date

- 870 December 31, 2012
- 871
- 872 Task Completed by
- 873 ED Office; Contractor
- 874

## 875 Task Location

- 876 ED Offices; Contractor Offices; North Platte River and Platte River between North Platte and Chapman
- 877

## 878 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
- 881 Short Duration High Flow tests made under the Adaptive Management Plan and in delivery of Program
- 882 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.

### 892 893 **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.

# 899900 Notes on Cost

- 901 Costs for WP-1(b), Active Channel Capacity Maintenance Platte River for the Platte River between the
- 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
- a one-for-one match basis.
- 905
- 906

## 907 Budget

## 

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

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



)42 )43	<b>PROGRAM TASK &amp; ID: WP-4. Water Action Plan</b>
)44	
	Program First Increment Timeline
46	Annual
47	
	FY 2012 Start Date
9	January 1, 2012
50	
1 2	FY 2012 End Date
	December 31, 2012
	Task Completed by
	Task Completed by ED Office; Contractor
	ED Office, Colidación
	Task Location
	ED Offices; Contractor Offices; Platte River Mainstem
	Task Description
	Advancing projects from the 2009 Water Action Plan Update from feasibility into full design, leading to
	construction. Following is a brief description of the anticipated design and construction sub-tasks:
	• WP-4(a) CNPPID Reregulating Reservoirs – Land acquisition, final geotechnical work, final design,
	and construction of the J-2 Reregulating Reservoir.
	• 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.
	Products
	<ul> <li>Landowner and project sponsorship agreements.</li> </ul>
	<ul> <li>Reservoir and canal improvement design-related documents.</li> </ul>
	<ul> <li>Monitoring plans.</li> </ul>
	<ul> <li>Contract with CNPPID and/or other entities for long-term recharge.</li> </ul>
	<ul> <li>Water supply-related permits.</li> </ul>
	<ul> <li>Cost estimates for 2013 and long-term operations and maintenance.</li> </ul>
	• Cost estimates for 2015 and long-term operations and maintenance.
	Notes on Cost
	Specific expenditures will require authorization of Finance Committee. Cost estimates are based on pre-
	feasibility study information, and will be updated based on feasibility studies currently being completed.
	Estimates do not account for any project sponsor contributions.



11/02/2011

## 987 Budget

Program Task WP-4						
	2007	2008	2009	2010	2011	2012
	Approved	Approved	Approved	Approved	Approved	Estimated
WP-4(a):	\$0	\$0	\$0	\$0	\$4,500,000	\$9,000,000
Reregulating						
Reservoir						
WP-4(b):	\$0	\$0	\$0	\$0	\$600,000	\$200,000
Nebraska Ground						
Water Recharge						
WP-4 Total	\$0	<b>\$0</b>	\$0	\$0	\$5,100,000	\$9,200,000



11/02/2011

	PROGRAM	TASK & ID:	WP-5. Mai	nagement '	ΤοοΙ	
	4 <b>D</b> . 1.					
Program First Inc	rement Timelii	ne				
Annual						
FY 2012 Start Dat	e					
January 1, 2012						
FY 2012 End Date						
December 31, 2012						
Task Completed b						
ED Office; Contrac	tor					
<b><b>T L T L L</b></b>						
Task Location ED Offices; Contra	otor Offices					
ED Offices, Contra	tor offices					
Task Description						
The COHYST Tool	, as it is being c	leveloped, will j	provide an integ	rated surface v	vater, ground	water
watershed model fo						
to be a valuable too						
funded by several P						
participants to use t						
specifically for PRF		s well as any ED	Office staff tra	ining or softwa	are needed, n	nust be
provided directly by	PRRIP funds.					
Further, the question	n of a need for	comprehensiv	operational to	ol for evaluatio	on of the inter	rotad
effects of multiple V						
the EIS, but may no						
such as STELLA, R			÷	•		
resource systems op						
			C			
Products						
• ED Office train	0		. ,			
• Model analyses	· ·			-	•	
Briefing docum	ents or reports	with model eval	uations and reco	ommendations		
Natar an Cart						
Notes on Cost Specific expenditure	es of hudget wi	ll he subject to I	Finance Commit	ttee annroval		
specific experientiti	25 Of Dudget WI	n be subject to I		appioval.		
Budget						
			n Task WP-5			
	2007	2008	2009	2010	2011	20
	Approved	Approved	Approved	Approved	Approved	Estir
Management Tool	\$0	\$0	\$0	\$100,000	\$200,000	\$200

1067



1068 1069	PROGRAM TASK & ID: WP-6. Feasibility Studies
1070 1071	Program First Increment Timeline
1072	Annual
1073	EX 2012 Stort Data
1074 1075	FY 2012 Start Date January 1, 2012
1075	Sundary 1, 2012
1077	FY 2012 End Date
1078	December 31, 2012
1079 1080	Task Completed by
1080	ED Office; Contractor
1082	
1083	Task Location
1084 1085	ED Offices; Contractor Offices; South Platte, North Platte, and Platte River Main stem
1085	Task Description
1087	Feasibility studies in 2012 will be focused on the current priority projects identified in the 2009 Water
1088	Action Plan (WAP) Update. The ED Office will work with the Water Advisory Committee and associated
1089 1090	Work Groups to evaluate potential yield, permitting requirements, and costs associated with various water leasing opportunities. Potential benefits of joint project operations will also be considered (e.g. ground
1090	water recharge projects may assist in mitigating impacts of ground water management activities).
1092	Following is a brief description of the anticipated feasibility study sub-tasks:
1093	• WP-6(b) WAP Project No. 2, Water Leasing – Working with Nebraska Public Power District, Central
1094	Platte Natural Resources District, and private landowners to evaluate potential leasing opportunities
1095 1096	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
1090	working with Central Platte Natural Resources District to evaluate water leasing and ground water
1098	recharge opportunities under the Orchard-Alfalfa, 30-Mile, and Cozad Canals. Economists from
1099	private practice, University of Nebraska at Lincoln, Colorado State University, and potentially
1100 1101	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
1101	Natural Resources and the Natural Resource Districts. The ED Office will also explore lease
1103	agreements with willing landowners and power/irrigation districts.
1104	• WP-6(c) WAP Project No. 3, Water Management Incentives – The ED Office will continue working
1105	with the Water Advisory Committee Work Group to evaluate potential water management incentives
1106	projects. Biosystems engineers from the University of Nebraska at Lincoln, Nebraska Department of
1107	Natural Resources, etc. may be engaged to better define water management incentive concepts.
1108 1109	<ul> <li>WP-6(d) WAP Project No. 4, Ground Water Management – Feasibility studies investigating opportunities for supply development through ground water management actions including</li> </ul>
1105	conjunctive use of surface and ground water resources focused primarily downstream of Lake
1111	McConaughy.
1112	

- 1113
- 1114

## **Products**

- Briefing documents or reports with evaluations and recommendations.
- Feasibility study results.
- Cost estimates for 2013 projects, operations, and maintenance.

## 1120 Notes on Cost

- 1121 Specific expenditures will require authorization of Finance Committee.
- **B**

**Budget** 1124

	Program Task WP-6										
	2007	2008	2009	2010	2011	2012					
	Approved	Approved	Approved	Approved	Approved	Estimated					
WP-6(a):	\$0	\$0,	\$0	\$750,000	N/A	NA					
CNPPID						(see WP-4)					
Reregulating											
Reservoirs											
WP-6(b): Water	\$0	\$0	\$0	\$250,000	\$50,000	\$50,000					
Leasing											
WP-6(c): Water	\$0	\$0	\$0	\$250,000	\$250,000	\$50,000					
Management											
Incentives											
WP-6(d):	\$0	\$0	\$0	\$150,000	\$150,000	\$100,000					
Groundwater											
Management											
<b>WP-6(e):</b> NE	\$0	\$0	\$0	\$400,000	N/A	NA					
Groundwater						(see WP-4)					
Recharge											
WP-6(f):	\$0	\$0	\$0	\$150,000	\$150,000	\$0					
Miscellaneous											
WAP											
Investigations											
WP-6 Total	\$0	\$0	\$0	\$1,950,000	\$600,000	\$200,000					

11/02/2011

	PROGRAM TASK & ID: WP-7. Water Acquisition								
Descrem First Increment Timeline									
Annual	Program First Increment Timeline								
Annual									
FY 2012 Start Dat	۵								
January 1, 2012	C								
January 1, 2012									
FY 2012 End Date									
December 31, 2012									
December 51, 2012									
Task Completed b	V								
ED Offices; Contra									
Task Location									
ED Offices; Contra	ctor Offices; N	ebraska, Colorad	lo, Wyoming						
	,	,	, <b>,</b> e						
Task Description									
The purpose of this	task is to estab	lish reserved but	t readily accessi	ible funds for v	water rights ev	valuations			
and water acquisitio									
opportunities should									
include working with	th Nebraska Pu	blic Power Dist	rict, Central Pla	tte Natural Res	sources Distri	ct, and			
private landowners	on leasing surf	ace water flows	under the Daws	son County Ca	nal, and work	ing with			
Central Platte Natur	al Resources D	District to develo	p a water leasin	ig and ground	water recharg	e program			
under the Orchard-A	Alfalfa/30-Mile	/Cozad Canal. V	VP-7 includes f	unds for water	acquisition; a	associated			
feasibility studies an	re being conduc	cted under WP-6	<b>5</b> .		-				
•	C								
Products									
• Water rights eva	aluations								
• Water rights per		ownership							
	-	*							
Notes on Cost									
None of the 2009 th	rough 2011 bu	dgets were used	or obligated. T	The budget incl	ludes \$500K f	for the			
development of a re	•	•	Ū.	•					
\$2,000,000 for the 4	4,800 AF/YR (.	38,400 AF total	over 8 years) as	sociated with	the Pathfinder	r municipal			
agreement.	,					*			
-									
Budget									
		Program	n Task WP-7						
	2007	2008	2000	2010	0011				
		2000	2009	2010	2011	2012			
	Approved	Approved	<b>Approved</b> \$500,000	Approved	2011 Approved	2012 Estimated			

- 1178 1179
- 1179
- 1181



182	PROGRAM TASK & I	D: WP-8. Water Plai	n Special Advisors
1183 1184			
1185	Program First Increment Timeline		
1186	Annual		
1187	1 minut		
1188	FY 2012 Start Date		
1189	January 1, 2012		
1190	<i>canoaly</i> 1, 2012		
1191	FY 2012 End Date		
1192	December 31, 2012		
1193	,		
1194	Task Completed by		
1195	ED Office; Contractor		
1196			
1197	Task Location		
1198	ED Offices; Contractor Offices		
1199			
1200	Task Description		
1201	The ED Office may rely on special advis		
1202	or to assist with short-term schedule chal		
1203	economics, water infrastructure, structura	al, and hydro-geology/grour	nd water. Anticipated Special
1204	Advisors include:		
1205			Estimated Range of
1206	Area of Expertise	Name	Expenditures
1207	Economics and Water Markets	George Oamek	\$20,000-\$30,000
1208	Hydrogeology and GW Recharge	Bill Hahn	\$50,000-\$75,000
1209	Civil Infrastructure	Tara Schutter	\$30,000-\$75,000
1210	Water Projects Permitting	TBD	\$20,000-\$30,000
1211 1212	TOTAL		Not to Exceed \$150,000
1212	Products		
1215			
1214	<ul><li>Meeting participation</li><li>Memorandums and reports</li></ul>		
1215 1216	Wemorandums and reports		
1210	Notes on Cost		
1217	Notes on Cost N/A		
1218	1 1/ 2 1		
1220	Budget		
1220	Sunger		
		Program Task WP-8	

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

1222 1223



11/02/2011

225	PROGRAM TASK & ID: WP-9. Miscellaneous Water Resources Studies
226 227	
228	Program First Increment Timeline
229	Annual
230	
1231	FY 2011 Start Date
1232	January 1, 2012
L233	
1234	FY 2011 End Date
1235	December 31, 2012
1236	
1237	Task Completed by
1238	ED Office; Contractor
1239	
1240	Task Location
1241	ED Offices; Contractor Offices
1242	
1243	Task Description
1244	The purpose of this task is to establish reserved but readily accessible funds for water resources studies
1245	and investigations, if necessary, to meet the Water Plan objectives. These investigations would be related
1246	to, but not necessarily limited to, specific Water Action Plan alternatives, such as investigations to better
1247	define fundamental hydrologic and water balance components such as evapotranspiration of non-crop
1248	areas, channel loss/bank storage, and surface/ground water interactions.
1249	
1250	Products
1251	Reports and study results
1252	
1253	Notes on Cost
1254	Specific expenditures would require approval from the Finance Committee.
1255	
1256	Budget
1257	
	Program Task WP-9

	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								
1258									
1259									
1260									
1261									
1262									
1263									
1264									
1265									
1266									
1267									



8	PROGRAM TASK & ID: PD-12. Model Application
0	
	Program First Increment Timeline
	FY2009-FY2012
	FY 2012 Start Date
	January 1, 2012
	FY 2012 End Date
	December 31, 2012
	Task Completed by
	ED Office; AMWG; TAC; Contractor (Tetra Tech)
	Task Location
	ED Office (Kearney, NE; Lincoln, NE; Denver, CO); various meeting locations
	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).
	Linkage to Priority Hypotheses in AMP
	Fundamental to generating information related to all priority hypotheses and related big questions.
	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).
	Notes on Cost
	Extension of existing contract with HDR/Tetra Tech
	Budget
_	

	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		
1308									
1309									
1310									
1311									



1312	PROGRAM TASK & ID: PD-13. Sediment Augmentation Feasibility
1313	Analysis, Design, and Permitting
1314	Program First Increment Timeline
1315	FY2009-FY2013
1316	
1317	FY 2012 Start Date
1318	January 1, 2012
1319	
1320	FY 2012 End Date
1321	December 31, 2012
1322	
1323	Task Completed by
1324	ED Office; AMWG; TAC; contractor (The Flatwater Group)
1325	Task Location
1326 1327	ED Office (Kearney, NE and Lincoln, NE); Central Platte River, NE
1327	ED Office (Reariey, NE and Encom, NE), Central Flate River, NE
1328	Task Description
1330	Implementation of Year 2 of Pilot-Scale Management Action (sediment augmentation at Plum Creek
1331	Complex and Cottonwood Ranch); includes management of contractor
1332	
1333	Linkage to Priority Hypotheses in AMP
1334	Fundamental to priority hypotheses related to sediment deficit and implementation of Flow-Sediment-
1335	Mechanical management strategy identified in AMP.
1336	
1337	Products
1338	Implementation of Year 2 of Pilot-Scale Management Action; data analysis and final report (by mid-
1339	2013) of two-year implementation cycle.
1340	
1341	Notes on Cost
1342	Year 1 implementation costs (final design, permits, bid package, first year of implementation) covered by
1343	Unliquidated Obligations from FY 2011; FY 2012 funding will be for implementation in 2012 and final
1344	data analysis and reporting, which will conclude by mid-2013; FY 2012 funding will require fourth and
1345	final amendment to existing sediment augmentation contract; FY 2012 costs include estimated \$215,888
1346	for Flatwater Team (implementation management, monitoring, data analysis, reporting) and estimated
1347	\$325,000 for actually placing sand in river (\$200,000 for sand pumping at Plum Creek Complex and \$125,000 for machanical placement at Cottonwood Banch). See Pilot Scale Management Action
1348 1349	\$125,000 for mechanical placement at Cottonwood Ranch). See Pilot-Scale Management Action Technical Memo for more details.
1349 1350	
1350	Budget
1351	- ugov

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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### 1353 **PROGRAM TASK & ID: PD-19. Flow Consolidation Conceptual Design** 1354 1355 1356 **Program First Increment Timeline** 1357 FY2011-FY2013 1358 1359 FY 2012 Start Date 1360 January 1, 2012 1361 1362 FY 2012 End Date 1363 December 31, 2013 1364 **Task Completed by** 1365 ED Office; NPPD; contractor 1366 1367 1368 **Task Location** 1369 ED Office (Kearney, NE; Lincoln, NE; Denver, CO); Cottonwood Ranch 1370 1371 **Task Description** 1372 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 1373 1374 for flow consolidation including evaluation of potential outcomes/performance (using Sed Aug 2-D 1375 model) and development of preliminary design plans/drawings. 1376 1377 If the GC decides to proceed with implementation, permit applications would be submitted and 1378 implementation design would be completed in spring of 2013 with construction in fall/winter of 2013. 1379 1380 Linkage to Priority Hypotheses in AMP Flow consolidation is considered a primary action in the AMP as part of the FSM management strategy. 1381 1382 1383 **Products** 1384 1) Design drawings and construction specifications, construction permits, and construction of channel plus. 2) Partial implementation design document including management option review, analysis of 1385 1386 potential outcomes, and civil design sections. 1387 1388 Notes on Cost 1389 Budget consists of \$200,000 for engineering consulting services (Phase 1 approximately \$30,000; Phase 2 1390 approximately \$170,000) and \$30,000 for construction of channel plugs. See Final CWR Flow 1391 Consolidation Conceptual Design Report for more details. 1392 1393 **Budget**

1394

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									



11/02/2011

PROGRAM T	ASK & ID: F	PD-20. Wet	Meadow Re	estoration	on Tract 2	009001
Program First Incr	omont Timolin					
FY2011 – FY2012	ement Imeni	le				
1 1 2011 - 1 1 2012						
FY 2012 Start Date	1					
March1, 2012	·					
101archi1, 2012						
FY 2012 End Date						
December 1, 2012						
,						
Task Completed by	7					
ED Office, Contract						
<b>Task Location</b>						
Program Tract 2009	001 located in t	he Kearney – N	Ainden bridge se	egment.		
Task Description						
Construction of conv						
and other species of				**	•	cubic yards
of earth to restore lin	near swale featu	res. Task inclu	ides groundwate	er monitoring of	on site.	
Linkage to Priority						
Testing of priority h	ypotneses relate	ed to wet mead	ows.			
Products						
Construction drawings and specifications						
Construction drawin	igs and specifica	ations				
Notes on Cost						
N/A						
1 1/ 7 1						
Budget						
2						
		D				
		Progran	n Task PD-18			

	2007	2008	2009	2010	2011	2012
	Approved	Approved	Approved	Approved	Approved	Estimated
Wet Meadow Restoration	\$0	\$0	\$0	\$0	\$50,000	\$324,000

1439

1440



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

1441	
1442	Program First Increment Timeline
1443	Annual
1444	
1445	FY 2012 Start Date
1446	January 1, 2012
1447	•
1448	FY 2012 End Date
1449	December 31, 2012
1450	
1451	Task Completed by
1452	ED Office; contractors
1453	
1454	Task Location
1455	Plum Creek Complex, Cottonwood Ranch Complex; Elm Creek Complex; Fort Kearny Complex; and
1456	Shoemaker Island Complex
1457	
1458	Task Description
1459	Plum Creek = \$15,900, CWR = \$193,290, Elm Creek = \$72,080, Ft. Kearny=\$80,770, Shoemaker Island
1460	= \$177,090, \$100,000 new properties channel widening, island building/shaping, vegetation
1461	management, prescribed fire, other AMP activities. Specific activities include:
1462	
1463	Plum Creek Complex
1464	<ul> <li>Pre-emergent herbicide application on Tract 2009003 OCSW habitat</li> </ul>
1465	• In-channel vegetation control as needed to maintain unobstructed view widths
1466	Prescribed fire to manage woody vegetation encroachment in grassland restoration areas and
1467	protect unobstructed view width
1468	
1469	Cottonwood Ranch Complex
1470	• Forest clearing and seeding on approximately 80 acres (Tracts 2008002, 2009006) to impove
1471	unobstructed view widths and remove predator perches
1472	<ul> <li>Pre-emergent herbicide application on Tract 2008002 OCSW habitat</li> </ul>
1473	• Prescribed fire to maintain vegetation structure for whooping crane habitat
1474	• Electrical service and irrigation pump replacement on Tract 2010001 SW <sup>1</sup> / <sub>4</sub> to protect irrigation
1475	right and provide supplemental water for palustrine wetlands
1476	
1477	Elm Creek Complex
1478	<ul> <li>In-channel nesting island construction below the diversion</li> </ul>
1479	• In-channel cross disking and overbank mowing to maintain unobstructed view widths
1480	• Prescribed fire to manage woody vegetation encroachment in grassland restoration areas and
1481	protect unobstructed view width
1482	Construction of crane viewing blind
1483	
1484	

1485	Fort Kearny Complex
1486	• Pre-emergent herbicide application on Tract 2009008 and 2010002 OCSW habitat
1487	• Forest clearing on Tract 2001002 to improve unobstructed view widths
1488	<ul> <li>NPPD transmission line marking with bird flight diverters</li> </ul>
1489	<ul> <li>Permanent woven wire predator fence on OCSW nesting peninsulas on Tract 2009008</li> </ul>
1490	• Prescribed burn to manage woody vegetation in grassland areas and protect unobstructed view
1491	width
1492	
1493	Shoemaker Island Complex
1494	• Construction for habitat selection experiments and habitat improvements including tree and
1495	vegetation clearing and in-channel nesting island construction
1496	Pre-emergent herbicide application on OCSW habitat
1497	Prescribed burns to produce suitable vegetation structure for whooping crane use
1498	
1499	Linkage to Priority Hypotheses in AMP
1500	Habitat complexes for implementation of AMP actions and testing of priority hypotheses
1501	
1502	Products
1503	Tern/plover nesting islands, minimum channel widths, and minimum unobstructed widths at habitat
1504	complexes for evaluation of target species use
1505	
1506	Notes on Cost
1507	Bid packages will be developed for FC approval once permits process is underway or completed; work
1508	will be completed in late summer/fall/winter 2012. See complex work plans for more details.
1509	• • • •
1510	Budget

1511								
	Program Task LP-2							
		2007	2008	2009	2010	2011	2012	
		Approved	Approved	Approved	Approved	Approved	Estimated	
	FSM/MCM Actions at	\$0	\$1,400,000	\$200,000	\$1,270,000	\$483,000	\$639,130	
	Habitat Complexes							
1512								
1513								
1514								
1515								
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1521								
1522								
1523								
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1525								
1526								
1527								

11/02/2011

1528		PROGRA	M TASK & I	D. PD_15 A	MP Pormi	łe		
1529	PROGRAM TASK & ID: PD-15. AMP Permits							
1530								
1531	<b>Program First In</b>	crement Timeli	ne					
1532	Annual							
1533								
1534	FY 2012 Start Date							
1535	January 1, 2012							
1536	•							
1537	FY 2012 End Dat	e						
1538	December 31, 2012	2						
1539								
1540	Task Completed							
1541	ED Office; contrac	ctor (HDR)						
1542								
1543	Task Location							
1544	ED Office (Kearne	ey, NE and Linco	oln, NE)					
1545								
1546	Task Description							
1547	Contract services f							
1548	or Regional Generation	al Permit for AN	/IP management	actions (island l	ouilding, vege	tation clearing	g, channel	
1549	widening).							
1550								
1551	Linkage to Priori							
1552	Necessary to ensur	e implementation	on AMP manager	ment actions				
1553								
1554	Products							
1555	Permit(s)							
1556								
1557	Notes on Cost							
1558	N/A							
1559	<b>D</b> 1 (							
1560	Budget							
1561			D					
		2007		Task PD-15	2010	2011	2012	
		2007	2008	2009	2010	2011	2012	
		Approved	Approved	Approved	Approved	Approved	Estimated	

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**AMP** Permits

\$0

\$0

\$10,000

\$50,000

\$200,000

\$150,000

11/02/2011

2 2 3	PROGRAM TASK & ID: PD-18. AMP-Related Equipment
	Program First Increment Timeline
ł	Annual
	FY 2012 Start Date
	January 1, 2012
J	January 1, 2012
1	FY 2012 End Date
	December 31, 2012
1	Jecember 51, 2012
,	Task Completed by
	ED Office
	Task Location
	Central Platte River
1	Task Description
	Program buy-back of equipment. Headwaters Corporation will own equipment and will charge the
	Program a use rate for Program-related activities.
	r rogram a use rate for r rogram related activities.
	Linkage to Priority Hypotheses in AMP
	Specific equipment important as management and monitoring tools related to AMP implementation.
	speenre equipment important as management and momenting tools related to right imprementation.
	Products
	Program equipment use and maintenance.
	Notes on Cost
	N/A
	Budget
	-
ĺ	Program Task PD-18
	2007 2008 2000 2010 2011 2012

			110gram	I dok I D 10			
		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						
1605							
1606							
1607							
1608							
1609							
1610							
1611							
1612							
1613							
1614							



11/02/2011

1615 1616	PROGRAM TASK & ID: G-1 & G-2 (combined). LiDAR & Aerial Photography
1617	
	Program First Increment Timeline
	Annual
1620	
	FY 2012 Start Date
1622 1623	January 1, 2012
	FY 2012 End Date
	December 31, 2012
1625	December 51, 2012
	Task Completed by
1628	Contractor (Kucera International, Inc.)
1629	
1630	Task Location
1631	Central Platte River, NE (Program associated habitats in central Platte)
1632	-
	Task Description
	Acquire annual LiDAR data and aerial photography
1635	
	Linkage to Priority Hypotheses in AMP
1637	Critical topographical data for analysis of river response to Program actions. Aerial photography for
	analysis of vegetation, river morphology, target species habitat availability.
1639	
	Products
	Processed LiDAR point data, bare earth digital elevation model including special in-channel processing
1642 1643	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
1644 1645	November/December
	Notes on Cost
	N/A
1648	
	Budget
1650	8

	Program Task G-1 & G-2 (combined)						
		2007	2008	2009	2010	2011	2012
		Approved	Approved	Approved	Approved	Approved	Estimated
	LiDAR	\$0	\$260,000	\$0	\$0	\$75,000	\$118,100
	Aerial Photography	\$10,000	\$10,000	\$40,000	\$21,000	\$25,000	
1651							
1652							
1653							
1654							

- 1655
- 1656
- 1657



1658	PROGRAM TASK & ID: G-5. Geomorphology/In-Channel Vegetation
1659	Monitoring
1660	
1661	
1662	Program First Increment Timeline
1663	Annual
1664	
1665	FY 2012 Start Date
1666	January 1, 2012
1667	
1668	FY 2012 End Date
1669	December 31, 2012
1670	
1671	Task Completed by
1672	Contractor
1673	
1674	Task Location
1675	Central Platte River
1676	
1677	Task Description
1678	Implementation of Program geomorphology/in-channel vegetation monitoring protocol; field work, data
1679	analysis (analysis of collected data according to performance measures of importance for addressing Big
1680	Questions and Tier 1 hypotheses), and reporting.
1681	
1682	Linkage to Priority Hypotheses in AMP
1683	Collected data critical to evaluating numerous AMP priority hypotheses related to river process and
1684	habitat creation/maintenance
1685	
1686	Products
1687	Protocol data – transect surveys, longitudinal profile, vegetation surveys, etc.; data analysis and reporting.
1688	
1689	Notes on Cost
1690	New contractor to be selected through RFP process in late 2011/early 2012; FY 2012 costs estimated
1691	based on 2009-2011 monitoring costs.
1692	
1693	Budget
1694	

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

- 1696
- 1697
- 1698 1699
- PRRIP FY 2012 Work Plan

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PROGRAM TASK & ID: H-2. Program Water Gages
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
Central Platte River
Task Description
Gage maintenance and research gages; real-time Program gage data on Program web site.
Linkage to Priority Hypotheses in AMP
Stream gages provide data to test priority hypotheses, including all key Tern/Plover, Whooping Crane,
Flow, Sediment, and Mechanical hypotheses.
Products
Gage maintenance, new gages, and data.
Notos on Cost
Notes on Cost Roughly \$15,000 for two new gages for Nebraska DNR (maintenance and support fee), Verizon bills t
operate gages, USGS fee for gage at Cottonwood Ranch.
operate gages, USOS fee for gage at Contonwood Kanch.
Budget
Dudget
Program Task H-2

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



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

- 1747 **Program First Increment Timeline**
- 1748 Annual
- L/49
- **FY 2012 Start Date**January 1, 2012
- 1751 Janu
- 1753 FY 2012 End Date
- 1754 December 31, 2012
- 1/55
- 1756Task Completed by
- 1757 ED Office; contractors 1758
- 1759 Task Location
- 1760 Central Platte River
- 1761

### 1762 Task Description

- 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 1765 1766 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 1767 for future wet meadow creation/restoration including the Fox Tract, and 2) develop wet meadow 1768 vegetation monitoring protocol. Recent meetings at the LAC and TAC identified the planned 1769 1770 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 1771 studies have linked Platte River stage to groundwater levels. The Program EDO identified the 1772 willingness to develop a groundwater/surface water assessment for Fox tract. The Service encourages 1773 1774 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 1775 1776 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 1777 occur to wet meadow habitat conditions as a result of management actions. The need to assess initial 1778 1779 conditions and to evaluate changes in habitat over time could be accomplished by developing a wet 1780 meadow vegetation monitoring program. This would allow an adaptive management approach to 1781 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 1782 meadow hydrology for all Program lands with existing or proposed wet meadow habitats. This would 1783 1784 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 1785 1786 monitoring protocol. This could be combined with the groundwater monitoring study or a stand-alone 1787 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 1788 1789 habitat. 1790
  - PRRIP FY 2012 Work Plan



### 1791 Linkage to Priority Hypotheses in AMP

- 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.
- 1795 2) TBD

### **Products**

- 1798 1) Research results in the form of a detailed report.
- 1799 2) Monitoring/research results (groundwater monitoring at Fox Tract and other locations, channel changes relative to EA releases, etc.).

### 1802 Notes on Cost

- Estimated costs include \$30,000 for independent expert to conduct research and draft white paper,
   and \$5,000 for possible assistance from Atkins to help identify the independent expert (similar to peer
- 1804 and \$5,000 for possible assistance from Atkins to help identify the independent expert 1805 review panel selection process).
- 1806 2) Estimate for 2012 monitoring/research; TAC will hold a workshop in late 2011 and/or early 2012 to
   1807 discuss the questions intended to be addressed by the monitoring/research, the relationship to target
   1808 flow releases to FSM, and other related topics.

### 1810 Budget

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



2 3 1	PROGRAM TASK & ID: IMRP-3. Adaptive Management Plan Special Advisors					
	<b>Program First Increment Timeline</b> Annual					
) )	FY 2012 Start Date January 1, 2012					
	<b>FY 2012 End Date</b> December 31, 2012					
5	<b>Task Completed by</b> ED Office; special advisors					
3	<b>Task Location</b> ED Office (Kearney, NE and Lincoln, N	IE); various locations of	advisors			
L 2 3	Task Description Advisors on AMP-related specialty topic analysis; review Program documents, att experimental design, research/monitorin	tend workshops and me	etings, assist with development of			
5	Area of Expertise Geomorphology & Sed. Transport	Name Brad Anderson & Chester Watson	<b>Estimated Range of Expenditures</b> \$60,000			
) )	Vegetation Scour & Lateral Erosion	Andrew Simon & Natasha Bankhead	\$40,000			
	Ecological Statistics & Exper. Design <b>TOTAL</b>	Darcy Pickard	\$40,000 Not to Exceed \$140,000			
5	Linkage to Priority Hypotheses in AM Special advisors fill important areas of e actions and progress toward AMP mana	expertise necessary to ev	valuate effects of Program management			
8	<b>Products</b> Review of Program documents and advi	ce on specific actions re	elated to AMP implementation			
L			ve discharge and changes in effective ns and civil engineering design (as-needed			
5		port on lateral erosion r				

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## 1879 Budget

1880							
			Program	n Task IMRP-3		1	
		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						
1881						•	
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Creek Complex         Program First Increment Timeline         FY2011-FY2016         FY 2012 Start Date         January 1, 2012         FY 2012 End Date         December 31, 2012         Task Completed by         ED Office; Contractors         Task Location         Elm Creek Complex         Task Description         Implementation of monitoring protocol (two event-based topographic and vegetation surveys due	
FY2011-FY2016 FY 2012 Start Date January 1, 2012 FY 2012 End Date December 31, 2012 Task Completed by ED Office; Contractors Task Location Elm Creek Complex Task Description	
FY2011-FY2016 FY 2012 Start Date January 1, 2012 FY 2012 End Date December 31, 2012 Task Completed by ED Office; Contractors Task Location Elm Creek Complex Task Description	
January 1, 2012 FY 2012 End Date December 31, 2012 Task Completed by ED Office; Contractors Task Location Elm Creek Complex Task Description	
FY 2012 End Date December 31, 2012 Task Completed by ED Office; Contractors Task Location Elm Creek Complex Task Description	
December 31, 2012 Task Completed by ED Office; Contractors Task Location Elm Creek Complex Task Description	
ED Office; Contractors Task Location Elm Creek Complex Task Description	
Task Location         Elm Creek Complex         Task Description	
Elm Creek Complex Task Description	
spring and end of summer 2012), and related data analysis for Elm Creek proof of concept (\$13 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 vegetatic clearing), and completion of model simulations for management experiments (\$68,000).	5,000).
<b>Linkage to Priority Hypotheses in AMP</b> Integral to learning about physical process priority hypotheses and related big questions. Supportion for flow-vegetation-sediment relationships and what FSM management strategy with the central Platte River.	
<b>Products</b> Monitoring and modeling results documented in related reports (model construction technical memorandum, model application memorandum, management experiment statistical design men and annual topographic and vegetation monitoring report). Consultant presentations and participate 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 i purchase and replacement costs for a pressure transducer to monitor stage-discharge relationshi Elm Creek reach downstream of the Kearney Canal Diversion. For more details, seem Elm Cre Complex "Proof of Concept" Design Document.	p in the



## 1969 Budget

		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						



PROGRA	AM TASK & I	D: IMRP-5. Shoemaker		-	ot" Activiti
Program First In	anomant Timaliu	<b>n</b> 0			
FY2012-FY2016	crement rimem				
1 2012-1 12010					
FY 2012 Start Da	ate				
January 1, 2012					
, <u> </u>					
FY 2012 End Dat	te				
December 31, 201					
,					
Task Completed	by				
ED Office; Contra	•				
Task Location					
Shoemaker Island	Complex				
Task Description					
Implementation of	f Elm Creek FSM	l monitoring pro	tocol at Shoema	aker Island Co	omplex; applie
D model.					
Linkage to Prior				unlated him on	costions Com
Integral to learning					
the central Platte I	•		lips and what I	Sivi managem	ient strategy v
	XIVCI.				
Products					
Monitoring and m	odeling results: c	contractor presen	tations and part	ticipation in o	ne TAC meet
spring 2012 Adap	•	•		P	
1 0 1	0	1 6			
Notes on Cost					
Cost estimate base	ed on initial estim	ate for similar v	ork at Elm Cre	ek Complex;	contractor for
Island Complex to					
monitoring protoc	ol and \$150,000	for application o	f 2-D model at	Shoemaker Is	land Complex
Budget					
		Program	Task IMRP-5		
	2007	2008	2009	2010	2011
	Approved	Approved	Approved	Approved	Approved
FSM "Proof of	\$0	\$0	\$0	\$0	\$0
Concent"					

# 

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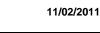
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### 

ek Complex; contractor for Shoemaker 5100,000 for implementation 

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									



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

- 53 **Program First Increment Timeline**
- 2054 Annual

## 056 FY 2012 Start Date

- 2057 January 1, 2012
- **FY 2012 End Date**December 31, 2012

## 2062 Task Completed by

ED Office; Contractor (RBJV)

# 2065 Task Location

2066 Central Platte River, NE

### 2067 2068 **Task Description**

- 2069 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
- acres/0.25 mile reach of river, etc.) to automate the process; create a geodatabase to house results of all
- 2074 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.
- 2076 **Deliverables:** Summary report presenting acres of on- and off-channel bare-sand habitat and Program
- 2077 defined 'suitable' nesting habitat by year (2008-2011); geodatabase of available on- and off-channel
- 2078 habitat by year; detailed methods document covering procedures and assumptions; and a presentation for
- the AMP Reporting Session.

# 2080 WC Habitat Availability Analysis (2007-2012)

- 2081 Similar to above with a much more detailed classification of imagery and a geodatabase that includes the 2082 amount and location of all the various landcover classes suitable for WC use.
- 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
- 2086 criteria buffers (distance to trees and disturbance, channel width, unobstructed view widths, etc.) to
- 2087 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 EDOwith 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.

# 20932094 Linkage to Priority Hypotheses in AMP

2095 Integral to all priority tern and plover and whooping crane hypotheses.

- 2097 See above.

### 2099 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

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

- (\$30,000) and for conducting six annual Whooping Crane Habitat Availability Analyses (2007-2012;
  \$170,000).

### 2107 Budget

			Task IMRP-6	Program '		
2012	2011	2010	2009	2008	2007	
Estimate	Approved	Approved	Approved	Approved	Approved	
\$200,00	\$0	\$0	\$0	\$0	\$0	Habitat
						Availability
						Analysis



138 139	PROGRAM TASK & ID: PD-8. Database Management System Development
140	& Maintenance
141	
142	Program First Increment Timeline
2143	Annual
2144	
2145	FY 2012 Start Date
2146	January 1, 2012
2147	<i>valuary</i> 1, 2012
2148	FY 2012 End Date
2149	December 31, 2012
2150	
2151	Task Completed by
2152	ED Office; Riverside Technology, Inc. (RTi)
2153	
2154	Task Location
2155	ED Office (Kearney, NE); contractor (RTi) in Ft. Collins, CO
2156	
2157	Task Description
2158	Ongoing database development and management by RTi.
2159	
2160	Linkage to Priority Hypotheses in AMP
2161	System will house and manage all Program administrative and technical data.
2162	
2163	Products
2164	Database maintenance, website support and hosting for meeting coordination and interface with Program
2165	technical data, public Program website and document library support and hosting.
2166	
2167	Notes on Cost
2168	N/A
2169	
2170	Budget
2171	
	Program Task PD-8

		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	\$200,000
Management						
System						
Development &						
Maintenance						

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### 11/02/2011

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

### **Program First Increment Timeline**

Annual

- FY 2012 Start Date
- April 1, 2012

### FY 2012 End Date

December 31, 2012

### Task Completed by

ED Office; Program partners; USGS

### **Task Location**

Central Platte River, NE

- Task Description 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 slands, etc.) on the central Platte River.

### Linkage to Priority Hypotheses in AMP

Links to all priority tern and plover hypotheses

### Products

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

### Notes on Cost

- 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-
- 2216 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 2217
- activities (technician, fencing materials, etc). Due to FWS budget constraints, EDO staff and USGS will 2218
- 2219 conduct semi-monthly river surveys between Alda and Chapman during 2012.
- 2220

### 2221 Budget

Program Task TP-1								
	2007	2008	2009	2010	2011	2012		
	Approved	Approved	Approved	Approved	Approved	Estimated		
Tern & Plover Monitoring	\$14,000	\$20,000	\$100,000	\$150,000	\$300,000	\$215,000		



<b>PROGRAM TASK &amp; ID: WC-1. Whooping Crane Monitoring</b>
Program First Increment Timeline
Annual
FY 2012 Start Date
March 1, 2012
FY 2012 End Date
December 31, 2012
Task Completed by
Contractor (WEST, Inc.; AIM Consultants subcontracted for field work)
Task Location
Central Platte River, NE
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.
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
The Program entered into a 4-year contract spanning 8 migration seasons (fall 2011 – Spring 2015) with
WEST; WEST will analyze and report on data collected during the 2012 spring and fall migrations.
Budget
Drogrom Tosk WC 1

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



2265	PROGRAM TASK & ID: WC-3. Whooping Crane Telemetry Tracking
2266 2267	
2267	Program First Increment Timeline
2269	FY2011-FY2016
2270	
2271	FY 2012 Start Date
2272	January 1, 2012
2273	
2274	FY 2012 End Date
2275	December 31, 2012
2276	
2277	Task Completed by
2278	Whooping Crane Tracking Partnership including Canadian Wildlife Service, Crane Trust, U.S. Fish and
2279	Wildlife Service, Platte River Recovery Implementation Program, and U.S. Geological Survey.
2280	
2281	Task Location
2282	Whooping crane migration route; central Platte River, NE
2283	
2284	Task Description
2285	Funding to purchase GPS-PTT Transmitters, capture and affix telemetry equipment to ~20 (total)
2286	whooping cranes during spring and fall 2012, and to download and store WC location data from the
2287	Argos System.
2288	Linkoga ta Driavita Harrathagag in AMD
2289 2290	Linkage to Priority Hypotheses in AMP Links to all priority whooping crane hypotheses
2290	Links to an priority whooping crane hypotheses
2291	Products
2292	Spring and fall migration reports and database through 2012
2294	Spring and ran ingration reports and database through 2012
2295	Notes on Cost
2296	The Program entered into a 6-year agreement (2011-2016) with the Whooping Crane Tracking
2297	Partnership during 2011 that allows the Program access to telemetry data and reports through 2016 and
2298	the ability to evaluate whooping crane response to management actions along the central Platte River.
2299	

## 2300 Budget

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



11/02/2011

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	Program First Increment Timeline
;	FY2012-FY2013
	FY 2012 Start Date
	January 1, 2012
	FY 2012 End Date
	December 31, 2012
	Task Completed by
	ED Office; UNL IGERT student (Trevor Hefley)
	Task Location
	Kearney, NE (EDO); Lincoln, NE (UNL)
	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.
	Linkage to Priority Hypotheses in AMP
	Links to all priority whooping crane hypotheses
	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.

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

Project

### Notes on Cost

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

### Budget

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

PRRIP FY 2012 Work Plan



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 Pla
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 2009-2
monitoring costs and estimates for 2012 from current contractor (EA).
Dudget
Budget
Program Task WQ-1

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



	PROGRAM TASK & ID: ISAC-1. ISAC Stipends & Expenses
Progra	m First Increment Timeline
Annual	
	2 Start Date
anuary	/ 1, 2012
	<b>2 End Date</b> ber 31, 2012
Jecem	Jer 51, 2012
Fack (	Completed by
	ice; Independent Scientific Advisory Committee (ISAC)
Fask L	ocation
3asin n	neeting locations TBD
	Description
• Six	ISAC members x 3 meetings x 3-day meetings x $1,300$ per ISAC member per day = $70,20$
	roposed 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, Prog
	participants, and contractors; review and discussion of "State of the Platte" Report; review a
2)	discussion of latest drafts of AMP documents such as Synthesis Report
2)	Summer workshop in Kearney, NE (June-July) – field visits to implementation sites; focu
2)	discussion on Q1.5 flow issues
3)	<b>Fall meeting in Denver, CO</b> (October-December) –opportunity for ISAC to meet together to build 2012 ISAC Report to GC
	build 2012 ISAC Report to OC
Ad	ditional stipend for ISAC chair to complete FY2011 report = \$10,000
	and the days of additional document review x six ISAC members x $$1,300$ per day = $$78,000$
	tal travel expenses for ISAC members and associated meeting expenses = $$25,000$
100	and associated incetting expenses $-\psi 23,000$
Linkag	e to Priority Hypotheses in AMP
	ement of independent scientific review of AMP, IMRP, management strategies, and associate
•	hypotheses
Produc	ets
	eview of Adaptive Management Plan (AMP) implementation, experimental design, and other
Program	n products and activities; work will culminate in annual report by the end of 2012
_	
	on Cost
N/A	



## 2442 Budget

2443

Program Task ISAC-1						
	2007	2008	2009	2010	2011	2012
	Approved	Approved	Approved	Approved	Approved	Estimated
ISAC Stipends & Expenses	\$75,000	\$115,000	\$70,000	\$150,000	\$185,000	\$185,000
penses						



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

- **Program First Increment Timeline**
- Annual

### FY 2012 Start Date

- January 1, 2012

## FY 2012 End Date

- December 31, 2012

## **Task Completed by**

Contractor (Atkins); Peer Review panelists 2498

### 2499 2500

- **Task Location** Various locations of Peer Reviewers 2501
- 2502

### 2503 **Task Description**

- 2504 Peer review of five (5) Program documents as defined below:
- 2505

		per Reviewer		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

2506 2507

Atkins under contract through 2013 to provide on-demand, as-needed science review services for 2508

2509 Program peer review panels. Services include:

- Recommend candidates for each panel according to appropriate areas of expertise 2510 •
- Provide background information for all potential candidates 2511 •
- Recommend panelists and provide conflict of interest statements for all panelists 2512 •
- Communicate with panelists (Program provides scope of work and handles contracting for payment) 2513 •
- Summarize comments from each panel 2514 •
- Deliver final report to EDO for each panel 2515 •

### 2516 2517 Linkage to Priority Hypotheses in AMP

Independent peer review of key documents to ensure projects are consistent with Program goals and 2518 2519 objectives

- 2520
- 2521

S

### 2522 **Products**

- 2523 Peer review reports for each reviewed document
- 2524

### 2525 Notes on Cost

- 2526 Cost estimate includes \$5,000 for Atkins assistance with potentially replacing 1-3 ISAC members for
- **2527** 2013.
- 2528

### 2529 Budget

				am 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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PROGRAM TASK & ID: PD-11. AMP Reporting
Program First Increment Timeline
Annual
FY 2012 Start Date
January 1, 2012
FY 2012 End Date
May 31, 2012
Task Completed by
ED Office; TAC
Task Location
ED Office (Kearney, NE and Lincoln, NE); Denver, CO
Task Description
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
priority hypotheses and AMP management activities.
Products
AMP Reporting Session in Denver, CO
Notes on Cost
AMP-related contractors will be required to attend the AMP Reporting Session (tentatively March 20)
in Denver) so travel and associated meeting expenses will be covered if not already covered under
existing contracts/agreements.
existing contracts/agreements.
Budget

2600

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