PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM
FISCAL YEAR 2014 BUDGET AND ANNUAL WORK PLAN

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

Prepared for:
PRRIP Governance Committee
Don Ament, Chair

Final Budget and Work Plan Recommended by Executive Director
December 3, 2013

Final Budget and Work Plan Revised and Approved by Governance Committee
December X, 2013

Table of Contents

Introduction……..4

Executive Director's Office (ED)
ED-1: Salaries/Travel/Office Expenditures.....5
ED-2: Administrative and Other Support Services.....6
ED-3: Public Outreach……...8

Governance Committee/Finance Committee (GFC)
GFC-1: NCF Fees……..12
GFC-2: Pulse Flow and Other Insurance……...13
GFC-3: Expenses, Meeting Rooms, etc……14

Program Advisory Committees
Land Advisory Committee (LAC)
LAC-1: Expenses, Meeting Rooms, etc……16

Water Advisory Committee (WAC)
WAC-1: Expenses, Meeting Rooms, etc……18

Technical Advisory Committee (TAC)
TAC-1: Expenses, Meeting Rooms, etc……..……20

Land Plan Implementation (LP)
LP-3: Land Acquisition……...22
LP-4: Land Management……27
LP-6: Land Plan Special Advisors…….….28
LP-7: Public Access Management……..30

Water Plan Implementation (WP)
WP-1(a): Active Channel Capacity Improvements (N Platte Channel above CNPPID Diversion Dam)……31
WP-1(b): Active Channel Capacity Improvements (CNPPID Diversion Dam to Grand Island)……...……....31
WP-4: Water Action Plan……34
WP-5: Management Tool……44
WP-8: Water Plan Special Advisors……...……..…46

Adaptive Management Plan (AMP) Implementation
AMP Implementation Activities
LP-2: FSM/MCM Actions on Habitat Complexes……...…….……48
PD-13: Sediment Augmentation Feasibility Analysis, Design, and Permitting……50
PD-15: AMP Permits……51
PD-18: AMP-Related Equipment……..52
Integrated Monitoring & Research Plan Activities
G-1: LiDAR & Aerial Photography…….....……54
G-5: Geomorphology/In-Channel Vegetation Monitoring……...……....55

H-2: Program Water Gages……...57
IMRP-2: AMP Directed Research Projects……...……..58
IMRP-3: Adaptive Management Plan Special Advisors……..61
IMRP-5: FSM "Proof of Concept" Activities @ Shoemaker Island Complex……...…63
IMRP-6: Habitat Availability Analysis……65
PD-8: Database Management System Development & Maintenance……66
TP-1: Tern & Plover Monitoring……...……..…68
WC-1: Whooping Crane Monitoring……70
WC-3: Whooping Crane Telemetry Tracking……...……...72
WC-6: Whooping Crane Stopover Site Evaluation Project.….……...……..…74

AMP Independent Science Review
ISAC-1: ISAC Stipends & Expenses……...…….……..76
PD-3: AMP & IMRP Peer Review……..78
PD-11: AMP Reporting……80
PD-21: PRRIP Publications……...82

Appendix A: PRRIP FY2014 Annual Land Work Plan…….83

PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM FISCAL YEAR 2014 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 and their subcommittees and working groups, Program cooperators and partners, and others to develop the FY 2014 Program Budget and Work Plan based on guidance from the Final Program Document and Program goals and priorities.

This document presents the final FY 2014 Program Annual Work Plan. The Final FY 2014 Program Budget Spreadsheet is a separate document but is incorporated by reference.

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

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

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

Program Task ED-1		
Year	Approved	Estimated
2007	$ 361,861.00	$ -
2008	$1,110,800.00	$ -
2009	$1,427,759.00	$ -
2010	$1,599,900.00	$ -
2011	$1,600,000.00	$ -
2012	$1,800,000.00	$ -
2013	$1,875,000.00	$ -
2014	$ -	$ 2,200,000.00

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

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

Products
Staff support for all Program activities.

Notes on Cost
See Exhibits A and B from 2014 ED Contract/Office Budget and the 2014 Headwaters Corporation Staffing Plan for detailed documentation of effort. Specific items resulting in an estimated 2014 increase over 2013 budget levels include:

- Rent, utilities, and travel costs have increased.
- Time commitments for some EDO staff for Program activities have been adjusted, and the EDO is adding three new staff to handle the increased work load in Adaptive Management Plan activities:
  - One technical-level staff in January 2014 in Kearney, NE
  - One professional-level staff (ecological statistician) in July 2014 in Kearney, NE
  - One professional-level staff in the first quarter either in Denver, CO or Lincoln, NE
  - The adjustments and hires result in a total increase of two FTEs (from 13 FTEs to 15 FTEs total).
- Salary adjustments at a 2-3% increase level.
- The work load of overseeing Program contractors, data analysis and synthesis, and activities like independent science review (especially peer review and manuscript publication) continues to increase.

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

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
ED Office

Task Location
ED Office

Program Task ED-2		
Year	Approved	Estimated
2007	$ 17,000.00	$ -
2008	$ 150,000.00	$ -
2009	$ 250,000.00	$ -
2010	$ 200,000.00	$ -
2011	$ 200,000.00	$ -
2012	$ 150,000.00	$ -
2013	$ 150,000.00	$ -
2014	$ -	$ 100,000.00

Task Description
Assistance to ED Office for administrative and other support services such as publishing public notices including Requests for Proposals and Invitations to Bid, attorneys with land or water specialties, real estate related specialists, and other specialty services not specifically linked to another line item.

Products
Contract services support for Program activities.

Notes on Cost
The primary use of ED-2 is to cover the expense of attorneys with expertise in: Nebraska water rights; water service/leasing agreement contract law; environmental law covering NEPA, ESA, or CWA; Nebraska NRD processes; and county statutory authorities. These are very specialized areas of practice, limiting our options and commanding, in many cases, a premium rate. Attorneys for work in the arenas cited above are selected based on knowledge and experience in these arenas, availability, reputation, quality of work, and previous direct dealings with EDO staff. Rates are compared to customary and standard rates for the Denver/Lincoln/Omaha areas, and based on a comparative, extensive vetting process are known to be fair and reasonable. An average rate of $200/hour is a representative rate based on the vetting experience of the past five years. Given the level of legal support required over the past five years and the anticipated lesser need for legal counsel in 2014, 400 hours of legal support is estimated (equivalent to about 4 days a month). Based on a fee of $200/hour, and an estimated 400 hours of service, the estimated legal fees for 2014 are $80,000. Though the need for legal counsel is anticipated as being reduced in 2014, upcoming water agreements and property boundary disputes are on the horizon and may require an increase in the future.

The second most common use of line item ED-2 is to cover the expense of publishing public notices or Request for Proposals/Invitations for Bid (RFP/IFB) in local and regional newspapers. The Denver Post, Omaha World Herald, Wyoming Eagle Tribune (Cheyenne, WY), and the Kearney Hub are the newspapers that are always used to run notices and RFP/IFB announcements. When appropriate for specific, local interest projects, other papers may also be added, such as the Grand Island Independent,

North Platte Telegraph, Lincoln Journal Star, or Keith County News. Recent actual costs in 2013 to run an announcement in the papers always used, for two days (Saturday and Sunday) is tabulated below:

Newspaper	Two Day Cost ($)
Denver Post	986
Omaha World Herald	788
Wyoming Eagle Tribune	358
Kearney Hub	40
TOTAL	2,172

Anticipated costs for three day ads (typical length of run) for 2014 are tabulated below:

Newspaper	Three Day Cost ($)
Denver Post	1400
Omaha World Herald	1200
Wyoming Eagle Tribune	500
Kearney Hub	60
TOTAL	3,160

Assuming six notices or ads based on anticipated number of RFPs/IFBs to be issued (T&P Monitoring, AMP Permitting, Sediment Augmentation Oversight, Third Party Neutral for Peer Review /ISAC panels, two large earth moving bids), 6 x $3,160 = $18,960, plus ten additional newspapers notices (either for IFBs published exclusively in local papers or supplemental ads in local papers for RFPs/IFBs also published in regional papers) @$250, 10 x $250 = $2,500; $18,960 + $2,500 = $21,460 for newspaper ads.

Adding attorney fees and newspaper notices produced the total estimate, as shown below.

Item	Cost
Attorney Fees	$80,000
Newspaper Notices	$21,460
TOTAL	**$101,460, round down to $100,000**

PROGRAM TASK & ID: ED-3. Public Outreach

Program Task ED-3		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ 30,000.00	$ -
2010	$ 40,000.00	$ -
2011	$ 50,000.00	$ -
2012	$ 70,000.00	$ -
2013	$ 65,000.00	$ -
2014	$ -	$ 60,000.00

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
ED Office

Task Location
ED Office (Kearney, NE)

Task Description
Communication of information about the Platte River Recovery Implementation Program and general education oriented activities are an important function to gain and advance acceptance of the Program in all of our stakeholder communities. The Program stakeholders include; residents of the three states, the Department of the Interior agencies, farmers and ranchers, recreational users of the Platte, the biological sciences community, national and international conservation and environmental groups, and bird watchers from around the world. The education-oriented sponsorships are focused toward youth-oriented, experience-based programs. Exhibits help the Program spread its message and its brand.

Products
Program visibility and communication with the public.

Notes on Cost
To reach our audiences, the Program utilizes the following:

1. "Exhibit Fees" is a category covering Program exhibit booths at scientific and professional conferences, community events, farm shows and nature centers. Venues are chosen based on both location, i.e. coverage of the three states and the ability to reach our target audience of stakeholders. There are several annual events at which the Program exhibits; Husker Harvest Days in Nebraska, Colorado Water Congress in Colorado, and the Four States Irrigation Council Annual Meeting (held in Colorado and includes Wyoming and Nebraska). Exhibits provide written information about the Program as well as Program giveaways. Typically the Program exhibits at five to six events per year and booth costs vary from no charge to $1,250 per event. Including display costs and printed material an approximate annual expenditure for exhibits is $5,000.

2. "Major Sponsorship" is a category covering educational programs oriented specifically for young people at nature and agricultural centers and special projects that are presented to the Program. Sponsorships are chosen based on both location and the ability to reach our target audience of stakeholders. Examples include: a Nebraska Educational Television camera time-lapse project of the Platte River which includes sites in all three states, environmental education programs for Rowe

Sanctuary, Prairie Loft Center for young people in Nebraska, and the Greenway Foundation South Platte River Environmental Education program for young people in Colorado. The education programs we sponsor focus support on youth-oriented, experience-based activity programs. For 2014, $40,000 is budgeted for major sponsorships including: $25,000 for the time lapse project, and $5,000 each for public educational programs for Rowe Sanctuary in Nebraska, Prairie Loft Center for agricultural education for children in Nebraska, and for the South Platte River Environmental Education (SPREE) children's educational program by The Greenway Foundation in Colorado. Additional details of the cost breakdowns for these sponsorships are provided at the end of this section.

3. "Other Sponsorship" is a category used to allow the Program to participate in events that were not anticipated at the time of budget development or events that were under consideration but decisions had not been made as to which events to support. These sponsorships assist in defraying the cost of a conference or event. The Program receives higher visibility and recognition at these conferences and events as a result. Program staff is at these conferences or events to interact with the participants and capitalize on the increased visibility achieved by the sponsorships. Depending on the organization and event, sponsorships provides recognition in the event program and proceedings, recognition by emcees during meals, the ability to display banners, recognition for sponsoring specific breaks or meals, and other similar types of enhanced visibility and recognition. Examples include:

   - Program logo and tagline ads in newspapers when special edition sections are printed, such as the Earth Day and Migration editions in the Kearney Hub and Prairie Fire newspapers are estimated for 2014 at about $1,000
   - Break or event sponsorships at conferences such as National Committee of Ecological Restoration, Society for Ecological Restoration, Collaborative Adaptive Management Network, Nebraska Association of Resource Districts Conference, Nebraska Water Resources/Nebraska Irrigation Association Conference, Colorado Water Foundation for Education events, and Colorado Summer Water Congress are typical of the events that are considered for sponsorships. The decision on which events to sponsor depend on the relevance of the group or conference theme to the Program, which can vary from year to year. Such sponsorships can range from $500 to $1500, allowing three to five such sponsorships to be awarded. Estimated costs for 2014 are estimated at about $5,000

4. "Promotional Materials" is a category covering materials distributed to increase awareness of the Program. The distinctive Program logo is utilized in all Program communications, reports, and on all promotional materials including fact sheets, brochures, bi-annual reports, and giveaways. Promotional materials are chosen for their uniqueness and compatibility with the overall goals and objectives of the Program. Chosen items are branded with the Program logo and/or the Program website address and all items must cost below $4.00 an item. On average, the cost of the promotional material is approximately $3.25. Examples of giveaways include pens, carabiner key chains, can coolers, stylus, mobile phone cradle, tote bags, shoulder bags, small tools and pocket knives, and water bottles. Based on past years' experience, the Program anticipates distributing about 3,000 items in 2014, for a cost of about $9,000.

Estimated costs for FY14 include:

Expense Category	Estimated FY14 Cost
Exhibit Fees	$5,000
Major Sponsorships	$40,000
NET Time-Lapse Project ($25,000)	
Rowe Sanctuary Education Program ($5,000)	
Prairie Loft Education Program ($5,000)	
Greenway Foundation SPREE Program ($5,000)	
Other Sponsorships	$6,000
Promotional Materials	$9,000
Total	**$60,000**

The following tables provide specific cost estimate breakdowns for each of the Major Sponsorship items in FY14:

NET Time-lapse Project Cost Estimate Breakdown

Item	Cost ($)	Comments
Two image processing desktop computers and software	$4,000	Additional computing hardware and software are required to process image data into forms useful for website viewing and use as a data source.
Four TL cameras	$12,800	These are the types of systems that are used at all TL locations. Currently, 42 TL systems are in place. One more location is planned, and some systems have been deployed for over three years and will require replacement. Spare systems and key components need to be stockpiled to make equipment replacements when failure necessitates. • Four Nikon D7100 camera w/18-105 f/3.5-5.6 AF-S DX VR ED kit lens • Two Nikon 10-24mm f/3.5-4.5G ED DX AF-S • Four Nikon EN-ENL15 spare batteries • Eight 128gb Class 10 SD cards • Four cases • Four tripods/mounting systems
Retrofit wireless cameras to allow cell phone download capability	$8,200	This is to transition a portion of TL camera systems to cell phone modem based hourly downloading. PRRP funds to be used to retrofit 8 systems at an average cost of $1,025/installation. These costs include equipment, travel, and labor for installation costs. The locations will be selected based on signal strength. These new systems mean that cameras can be monitored to see that they are working daily and eliminate travel costs associated with trading out image cards.
TOTAL	**$25,000**	

Rowe Sanctuary Education Program Cost Estimate Breakdown

Category	Unit Rate ($/hr.)	Quantity	Cost ($)	Comments
LABOR				Personnel hours include planning preparation, and in-field instructor time
Sr. Instructor	$30/hr.	100	$3,000	
LABOR TOTAL			$3,000	
MATERIALS				
Collecting Nets	$30	14	$750	
Binoculars	$80.76	14	$1,050	
Birds of Nebraska Books	$8.00	25	$200	
MATERIALS TOTAL			$2,000	
		TOTAL	**$5,000**	

Prairie Loft Education Program Cost Estimate Breakdown

Category	Unit Rate ($/hr.)	Quantity	Cost ($)	Comments
LABOR				Personnel hours include teaching facilitation, curriculum and program development, and outreach to schools teachers, families, and partner organizations.
Instructor	$20/hr.	150	$3,000	
Instructor Assistant	$10/hr.	50	$500	
LABOR TOTAL			$3,500	
MATERIALS				Education program supplies: including items such as books, writing materials, field study equipment, curriculum materials and training, printing, tools, and resources for additional and enhanced outdoor learning areas.
MATERIALS TOTAL			$1,500	
		Total	**$5,000**	

The Greenway Foundation, SPREE Program

SPREE Program	Expenses	Income	Total	
Expenses				
Labor	($4,400)		($4,400)	Seasonal educator to lead school based field trips for classroom groups, family friendly weekend events, and day off school camps
Program Supplies	($600)		($600)	Supplies include printed materials, field study equipment, scientific discovery supplies, etc.
Income				
PRRIP		$5,000	$5,000	
Totals	**($5,000)**	**$5,000**	**$0**	

PROGRAM TASK & ID: GFC-1. NCF Fees

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

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

Program Task GFC-1		
Year	Approved	Estimated
2007	$ 75,000.00	$ -
2008	$ 100,000.00	$ -
2009	$ 255,000.00	$ -
2010	$ 260,000.00	$ -
2011	$ 300,000.00	$ -
2012	$ 450,000.00	$ -
2013	$ 450,000.00	$ -
2014	$ -	$ 250,000.00

Task Location
ED Office; NCF (Lincoln, NE)

Task Description
Fees paid to the Nebraska Community Foundation (NCF) for administration of the financial aspects of the Program in 2014.

Products
Financial support services for Program.

Notes on Cost
The Foundation will be reimbursed for its direct and indirect costs pursuant to the Department of the Interior's acquisition services requirements. In addition to the direct and indirect costs prescribed by this Agreement, the Foundation will be reimbursed at actual cost of extraordinary expenses incurred at the request of Parties to the Agreement, such as overnight express mail services, and/or reasonable travel expenses for travel at the request of the Governance Committee, Finance Committee, or a Party to the Agreement. The estimated cost associated with Financial Management Services rendered by the NCF is based on estimated direct costs of approximately $60,000 (1200 hours X $50/hour), and a provisional indirect cost ratio of 1.3% applied to approximately $12 million in direct costs (total budget minus J2 funds which will be handled in a different manner). Only actual indirect costs will be recouped by the Foundation and the rate will fluctuate from year to year depending on overall total expenditures of the Foundation. Based on verbal discussions, it is estimated that the Foundation will be entitled to $250,000, hence that is the amount that will be obligated for FY2014.

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

Program Task GFC-2		
Year	Approved	Estimated
2007	$ 100,000.00	$ -
2008	$ 50,000.00	$ -
2009	$ 60,000.00	$ -
2010	$ 70,000.00	$ -
2011	$ 75,000.00	$ -
2012	$ 70,000.00	$ -
2013	$ 75,000.00	$ -
2014	$ -	$ 75,000.00

Program First Increment Timeline
Annual

FY 2013 Start Date
January 1, 2013

FY 2013 End Date
December 31, 2013

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 facilities ownership.

Products
Program insurance policy.

Notes on Cost
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 facilities ownership. The estimated cost of insurance is based upon previous year's expenses, experience, and previous negotiations with insurance providers conducted by the Program's insurance agent. Because of our clean claims record and no new major land or risk additions, the estimated 2014 cost remains at the same level as the 2013 expenditure.

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

Program First Increment Timeline
Annual

FY 2013 Start Date
January 1, 2013

FY 2013 End Date
December 31, 2013

Task Completed by
ED Office; GC; FC

Program Task GFC-3		
Year	Approved	Estimated
2007	$ 5,000.00	$ -
2008	$ 5,000.00	$ -
2009	$ 5,000.00	$ -
2010	$ 5,000.00	$ -
2011	$ 1,000.00	$ -
2012	$ 1,500.00	$ -
2013	$ 1,500.00	$ -
2014	$ -	$ 1,700.00

Task Location
Meeting locations in NE, WY, and CO

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

Products
Meeting space and associated needs.

Notes on Cost
Governance Committee meetings are held quarterly, two are held in Kearney, NE at the EDO, one in Cheyenne, WY at the Wyoming Water Development Commission, and one in Denver, CO. There is no room charge or equipment charge for the Kearney and Cheyenne locations, just for the Denver location. The Denver meeting has recently been held in downtown Denver, CO at the Warwick Hotel for two half days (Tuesday afternoon and Wednesday morning). Refreshments, one afternoon break and one morning break provided. Based on 2011, 2012 and 2013 experience, 2014 estimate of room and break expenses is $1,200. Equipment costs are limited to polycom conference phone and screen at $100, as EDO can provide projector from Denver office.

The Meeting Expenses table provided below provides a breakdown of costs and additional information for GFC-1:

Line Item	Meeting Room Rental & Break Costs	Meeting Equipment Costs	Conference Call Costs	Total Costs
GFC-3	$1,400 (December GC, two half days)	$100 (phone and screen at each meeting)	$216 (6 FC calls of @2 hours, $0.30/minute)	$1,716, say $1,700

General Notes on Meeting Costs
Because each meeting may be held in a different location (different cities and different hotels) a range of meeting room costs are possible. The typical range of room rental rates is $500 to $750/day. The typical

rate for providing refreshments (coffee, sodas, juices), morning or afternoon break foods (rolls, fruit, cookies), and box lunches (if the agenda calls for a working lunch) can vary considerably by location, the range of options selected, and the number of people attending. For planning purposes, a rate range of $250 to $500 per meeting is used. Equipment costs for projector and screens and polycom conference phones vary considerably depending on location. Projector/screen costs can range from $50 to $250 per day. Polycom conference phones with microphone extension costs can range from $50 to $100 per day. Conference call costs are broken down in the table by number, rate, and duration of calls, the number and duration are estimated based on experience and the rate is set by contract with the provider.

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

Program Task LAC-1		
Year	Approved	Estimated
2007	$ 7,500.00	$ -
2008	$ 7,500.00	$ -
2009	$ 7,500.00	$ -
2010	$ 7,500.00	$ -
2011	$ 1,000.00	$ -
2012	$ 1,500.00	$ -
2013	$ 2,000.00	$ -
2014	$ -	$ 1,600.00

Program First Increment Timeline
Annual

FY 2013 Start Date
January 1, 2013

FY 2013 End Date
December 31, 2013

Task Completed by
ED Office; LAC

Task Location
All LAC meetings are held in central Nebraska, typically in Kearney, NE.

Task Description
Limited budget amount to cover costs for LAC meetings; primarily miscellaneous costs for holding meetings (e.g. conference call fees, site visit expenses).

Products
Meeting space and associated needs.

Notes on Cost
The LAC meets quarterly at in Kearney, NE at the EDO which has no room charge. Two activities associated with LAC do have costs specifically associated to them, an annual field tour for LAC members and site evaluation of potential properties. The annual field tour for LAC members typically consists of two half days in the field with lunch and drinks (water and sodas) in field provided for 15 to 18 people each day at an average cost of about $20.00 per person per day, based on 2011 and 2012 experience, was the basis for the $650 estimate. Land evaluation site visits (typically multiple sites per day) costs consist of refreshments (water and sodas), break snacks (fruit and granola/energy bars), and working lunches. Each site evaluation team consists on average of six people. An estimated four site evaluation days will be performed in 2013. Based on 2009-2013 experience, a cost of $25 per person per site visit was used to develop the $150 per site visit estimate and the corresponding $600 total for four site visits.

The Meeting Expenses table provided below provides a breakdown of costs and additional information for LAC-1:

Line Item	Meeting Room Rental & Break Costs	Meeting Costs	Conference Call Costs	Total Costs
LAC-1	$0	$1,250 (annual field tour expenses @$650 and 4 land evaluation site visits @$150 each}	$288 (4 calls @4 hours, $0.30/minute)	$1,538, round up to $1,600

General Notes on Meetings Costs

Because each meeting may be held in a different location (different cities and different hotels) a range of meeting room costs are possible. The typical range of room rental rates is $500 to $750/day. The typical rate for providing refreshments (coffee, sodas, juices), morning or afternoon break foods (rolls, fruit, cookies), and box lunches (if the agenda calls for a working lunch) can vary considerably by location, the range of options selected, and the number of people attending. For planning purposes, a rate range of $250 to $500 per meeting is used. Equipment costs for projector and screens and polycom conference phones vary considerable depending on location. Projector/screen costs can range from $50 to $250 per day. Polycom conference phones with microphone extension costs can range from $50 to $100 per day. Conference call costs are broken down in the table by number, rate, and duration of calls, the number and duration are estimated based on experience and the rate is set by contract with the provider.

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

Program Task WAC-1		
Year	Approved	Estimated
2007	$ 5,000.00	$ -
2008	$ 5,000.00	$ -
2009	$ 5,000.00	$ -
2010	$ 5,000.00	$ -
2011	$ 1,000.00	$ -
2012	$ 1,500.00	$ -
2013	$ 6,000.00	$ -
2014	$ -	$ 3,500.00

Program First Increment Timeline
Annual

FY 2013 Start Date
January 1, 2013

FY 2013 End Date
December 31, 2013

Task Completed by
ED Office; WAC

Task Location
Meeting locations in NE, WY, and CO, typically in Ogallala, NE.

Task Description
Limited budget amount to cover meeting costs for WAC and WAC Working Group meetings; including miscellaneous costs for holding meetings (e.g. conference call fees, AV fees, site visit expenses).

Products
Meeting space and associated needs.

Notes on Cost
The WAC meets quarterly at the Visitor's Center near Lake McConaughy in Ogallala for which there is no room or equipment charge, but working groups and subcommittee frequently meet by conference call and at other locations. As progress accelerates on implementation of various Water Action Plan projects, the frequency of project related meetings will increase. Meeting room costs for two one-day meetings in Denver, CO or Omaha, NE are assumed. Refreshments, lunch, and morning and afternoon breaks assumed for each day. Estimated cost of $1,000 per day at either location, at a facility near the airport based on previous years' experience, was used to develop the $2,000 estimate. Equipment cost of $100 per day for a polycom conference phone and screen. All meetings assumed to be focused on J2 Regulating Reservoir Project or other Water Action Plan projects (e.g., Net Controllable Conserved Water, Ground Water Recharge Project scoring, Pathfinder scoring, hydrologic monitoring, or other candidate topics) with meetings involving a mix of technical/administrative topics.

The Meeting Expenses table provided below provides a breakdown of costs and additional information for WAC-1:

Line Item	Meeting Room Rental & Break Costs	Meeting Equipment Costs	Conference Call Costs	Total Costs
WAC-1	$2,000 (2 one- day off-site meetings for specific water projects)	$200 (phone and screen at each meeting)	$1,296 (8 calls @4 hours and 20 calls @2 hours, $0.30/minute)	$3,496, round up to $3,500

General Notes on Meeting Costs

Because each meeting may be held in a different location (different cities and different hotels) a range of meeting room costs are possible. The typical range of room rental rates is $500 to $750/day. The typical rate for providing refreshments (coffee, sodas, juices), morning or afternoon break foods (rolls, fruit, cookies), and box lunches (if the agenda calls for a working lunch) can vary considerably by location, the range of options selected, and the number of people attending. For planning purposes, a rate range of $250 to $500 per meeting is used. Equipment costs for projector and screens and polycom conference phones vary considerable depending on location. Projector/screen costs can range from $50 to $250 per day. Polycom conference phones with microphone extension costs can range from $50 to $100 per day. Conference call costs are broken down in the table by number, rate, and duration of calls, the number and duration are estimated based on experience and the rate is set by contract with the provider.

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

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
ED Office; TAC

Program Task TAC-1		
Year	Approved	Estimated
2007	$ 5,000.00	$ -
2008	$ 5,000.00	$ -
2009	$ 5,000.00	$ -
2010	$ 5,000.00	$ -
2011	$ 1,000.00	$ -
2012	$ 1,500.00	$ -
2013	$ 4,000.00	$ -
2014	$ -	$ 2,400.00

Task Location
Meeting locations in NE, WY, and CO

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

Products
Meeting space and associated needs.

Notes on Cost
The TAC meets quarterly, but working group and sub-committee meetings can meet more frequently. Most of these meetings are held in Kearney, NE at the EDO or via conference call, but it is not uncommon for a few meetings to be held at other locations. Meeting room costs for one meeting away from Kearney, meeting for two half days was assumed for 2014. Location assumed in Omaha, NE. Refreshments, morning and afternoon breaks assumed. Estimated cost for room and breaks/lunch at $1,200 per day based on experience. Equipment cost of polycom conference phone with microphone extensions and screen estimated at $100 for two half days.

The Meeting Expenses table provided below provides a breakdown of costs and additional information for TAC-1:

Line Item	Meeting Room Rental & Break Costs	Meeting Equipment Costs	Conference Call Costs	Total Costs
TAC-1	$1,200 (1 off-site meeting, two half days)	$100 (phone and screen at each meeting)	$1,080 (15 calls @4 hours, $0.30/minute	$2,380, round up to $2,400

General Notes on Meeting Costs
Because each meeting may be held in a different location (different cities and different hotels) a range of meeting room costs are possible. The typical range of room rental rates is $500 to $750/day. The typical rate for providing refreshments (coffee, sodas, juices), morning or afternoon break foods (rolls, fruit,

cookies), and box lunches (if the agenda calls for a working lunch) can vary considerably by location, the range of options selected, and the number of people attending. For planning purposes, a rate range of $250 to $500 per meeting is used. Equipment costs for projector and screens and polycom conference phones vary considerable depending on location. Projector/screen costs can range from $50 to $250 per day. Polycom conference phones with microphone extension costs can range from $50 to $100 per day. Conference call costs are broken down in the table by number, rate, and duration of calls, the number and duration are estimated based on experience and the rate is set by contract with the provider.

PROGRAM TASK & ID: LP-3. Land Acquisition

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

LP-3		
Year	Approved	Estimated
2007	$ -	$ -
2008	$6,000,000.00	$ -
2009	$7,000,000.00	$ -
2010	$6,000,000.00	$ -
2011	$5,000,000.00	$ -
2012	$5,000,000.00	$ -
2013	$3,000,000.00	$ -
2014	$ -	$ 1,500,000.00

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.

Products
Program lands

Notes on Cost
LIHE Fees: LIHE fees are the fees charged to the Program by the Platte River Recovery Implementation Foundation. The fees are assessed based on actual incurred direct expenses (attorney fees and insurance), baseline fee, number of parcels held in various categories (fee simple, easement, lease, or management agreement), and number of transactions. The insurance cost is for General Liability to provide specific protection to PRRIF as title holder for any claims that might arise associated with injury or damage incurred on or associated with the properties. This is separate and distinct from the insurance carried by the Program that is covered in Program line item GFC-2. The fees are billed quarterly. The 2012 charges (the most recent complete year) are tabulated in the table below:

Quarter	2012 Fee
First	$14,614
Second	$11,117
Third	$14,668
Fourth	$14,637
TOTAL	$55,033
AVERAGE	$13,755

Although our portfolio of holdings has increased, the number of transactions has declined from the level in 2012 (fewer purchases and boundary modifications), with an anticipated decline in fees. Therefore, a smaller quarterly average fee of $12,500 was used to arrive at the annual number of $50,000.

Taxes: PRRIP is required to pay property taxes. A summary of the property taxes paid in 2012 is provided by county below. All PRRIP properties are located in Nebraska.

Nebraska County	Total Property Tax Paid - 2012
Buffalo	$50,404
Dawson	$2,086
Gosper	$584
Hall	$32,616
Phelps	$21,619
TOTAL	$107,309

It is anticipated that a similar pattern of payments will be made by county in 2014 as in 2012, but with higher numbers in all counties, particularly Hall and Buffalo. Based on the 2012 payments, an estimated $115,000 in property tax payments will be made in 2014.

Land Acquisition: Assumptions for land acquisition in 2014:

Purchase

- Additional 120 acres for finishing up complex properties
- Additional 160 acres of palustrine wetlands
- Two possible land trades or tract disposals (Newark, Elm Creek Complex)

Associated Costs: These costs are based on experience from 2009 through 2013 acquisitions. The associated costs per transaction are provided in the table below:

Item	Fee
Appraiser fee	$5,000
Surveyor fee	$4,000
Attorney fee (@$200/hr for 40 hours)	$8,000
Miscellaneous costs and fees (@8-10% of total other fees)	$1,750
TOTAL	$18,750

Assuming one tract acquisitions and two tract disposals in 2014, each in the 120 to 200 acre range, an estimate of $55,000 was developed (3 x $18,750 = $56,250, round down to $55,000).

Appraisers are selected through mutual agreement with the seller based on knowledge of real estate in specific locales, reputation, ability to meet “Yellow Book” standards, and previous direct experience of EDO staff with the appraisers. Appraisals must meet “Yellow Book” Uniform Appraisal Standards for Federal Land Acquisitions in conformance with Federal Law 91-646 of the Uniform Appraisal Act. This criterion limits the number of appraisers qualified to perform appraisals for the Program, and increases the cost. Rates are compared against customary and standard rates for appropriately qualified appraisers in the Lexington to Grand Island, NE area. A fee of $5,000 per appraisal is the average fee for a relatively straightforward appraisal of rural land in the Lexington to Grand Island area. Based on this market survey rate comparison and the qualifications of the potential appraisers, these rates are known to be fair, reasonable, and competitive.

The market survey process is composed of the following steps:

- Determine which appraisers are qualified to do a "Yellow Book" Uniform Appraisal Standard. This is accomplished through asking LAC members experienced in real estate transactions in the Associated Habitat Region who they know to be qualified and what their experience has been with various appraisers, and internet and yellow page searches followed up with phone calls or office visits to determine qualifications, experience, and assess skill levels. While this search may not be exhaustive it is extremely comprehensive with virtually all "Yellow Book" qualified appraisers in the Lexington to Grand Island area considered. Appraisers outside of this region would not have sufficient local knowledge to be considered qualified.
- As part of the list development process, rates and estimated (by the appraisers) costs of a standard basic appraisal were solicited.
- A comparison of qualifications, reputation, specific experience, and assessed skill level together with rates and estimated cost formed the basic information basis for then soliciting appraiser services for specific tracts. Acceptability by the selling party is also a critical factor.
- The experience gained through 5 years of land acquisition for the Program provides a solid basis for verification or modification of initial information gathered and is of great value in selecting appraisers.

A number of surveyors have been used by the Program over the past five years, but one has emerged as far superior in quality of work, responsiveness, and overall level of service. Unless there are special circumstances that require use of a different surveyor, the Program always uses Land Services LLC for property boundary surveys. Charges are based on time and materials, with hourly rates of approximately $75/hr. for research, $85/hr. for drafting, and $125/hr. for in-field surveying. A fee of $4,000 per survey is an average fee for a basic boundary survey of a 160 to 240 acre parcel with the Platte River as one boundary, including basic research and a filed, stamped survey document. Based on a market survey of surveyor rates in the eastern half of Nebraska, these rates are known to be fair, reasonable, and competitive.

The market survey process is composed of the following steps:

- Determine which surveyors are qualified to perform riparian boundary surveys. This is accomplished through asking LAC members experienced in surveying issues and that have required the service of riparian boundary surveyors in the Associated Habitat Region who they know to be qualified and what their experience has been with various surveyors, and internet and yellow page searches followed up with phone calls or office visits to determine qualifications, experience, and to assess skill levels. Also, supplementing this information with the over 25 years of experience working with surveyors in Nebraska represented by the Program Staff person leading the land acquisition effort. While this search may not be exhaustive it is extremely comprehensive with virtually all experienced riparian boundary surveyors in the North Platte to Omaha area considered.
- As part of the list development process, rates and estimated (by the surveyors) costs of a standard basic riparian boundary survey were considered
- A comparison of qualifications, reputation, specific experience, and assessed skill level together with rates and estimated cost formed the basic information basis for then soliciting surveyor services for specific tracts.
- The experience gained through 5 years of land acquisition and associated surveys for the Program provides a solid basis for a verification or modification of initial information gathered that is of great value in selecting surveyors.

Attorneys for real estate work are selected based on knowledge and experience in riparian boundary law, specific experience in a particular section of river, reputation, quality of work, lack of conflict of interest, and previous direct dealings with EDO staff. Rates are compared to customary and standard rates for the South Central and Eastern Nebraska areas. A fee based on 40 hours per transaction is a conservative estimate of time required for legal efforts, assuming some unique issues will need resolution, such as complications from riparian boundaries, and occasionally multiple county jurisdictions that arise on properties that straddle the river and lie in two counties. Based on this market survey rate comparison and the qualifications of the attorneys being considered, these rates are known to be fair, reasonable, and competitive.

The market survey process is composed of the following steps:

- Determine which attorneys are qualified to perform riparian real estate transactions. This is accomplished through asking Advisory Committee or Governance Committee members experienced in riparian real estate legal issues and that have required the service of such attorneys in the Associated Habitat Region who they know to be qualified and what their experience has been with various attorneys, and internet and yellow page searches followed up with phone calls or office visits to determine qualifications, experience and to assess skill levels. Also, supplementing this information with the over 25 years of experience working with riparian real estate attorneys in Nebraska represented by the Program Staff person leading the land acquisition effort. While this search may not be exhaustive it is extremely comprehensive with virtually all experienced riparian real estate attorneys in the North Platte to Omaha area considered.
- As part of the list development process, rates and estimated (by the attorneys) costs of a standard basic riparian boundary survey were considered.
- A comparison of qualifications, reputation, specific experience, and assessed skill level together with rates and estimated costs for a basic riparian real estate transaction formed the basic information basis for then soliciting surveyor services for specific tracts.
- The experience gained through 5 years of land acquisition for the Program provides a solid basis for a verification or modification of initial information gathered that is of great value in selecting attorneys.

Miscellaneous fees could include items from among the following: Phase I Environmental Site Assessments (@$1,000 to $1,500 per site with one always performed for each tract purchased), additional title searches, clouds on the title that must be resolved (fence issues, material removal from site, previous owners or heirs of previous owners that must be tracked down to positively clear titles), copying and printing fees, and unusual boundary issues that require additional research or surveys. No two acquisitions are the same, and some peculiarity often arises that must be dealt with. They rarely involve large expenditures to resolve, but, on the other hand, when they arise they are not trivial, negligible costs either.

Purchase Costs: Current land prices for the types of non-complex lands we will be acquiring typically range from $4,000 to $8,000 per acre (the riparian or palustrine properties we pursue are not prime agricultural lands which range from $6,500 to $10,000 per acre or more).

Acquisitions anticipated for 2014 are as follows:

- Palustrine wetland – one very promising 160-acre tract has been identified with an estimated $8,000/acre cost for an estimated purchase price of $1,280,000.

Note: NO provision for income generated from land disposal actions is included in the budget estimate. The budget reflects only anticipated expenditures, not a net of expenditures and income.

The table below summarizes estimated LP-3 costs for FY14:

Item	Estimated FY14 Cost
LIHE Fees	$50,000
Property Taxes	$115,000
Land Acquisition & Disposal Associated Costs	$55,000
Palustrine Wetland (160 acres)	$1,280,000
TOTAL	**$1,500,000**

PROGRAM TASK & ID: LP-4. Land Management

LP-4		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ 500,000.00	$ -
2010	$ 588,800.00	$ -
2011	$ 365,500.00	$ -
2012	$ 409,800.00	$ -
2013	$ 448,400.00	$ -
2014	$ -	$ 192,500.00

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

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.). Specific land management activities for the year are defined in the Land Management Plans developed through the LAC and approved by the GC. A summary of Program land work proposed for 2014 is included as **Appendix A** in this document.

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

Notes on Cost
See **Appendix A** in this document for specific details.

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

LP-6		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ -	$ -
2010	$ 50,000.00	$ -
2011	$ 15,000.00	$ -
2012	$ 120,000.00	$ -
2013	$ 50,000.00	$ -
2014	$ -	$ 20,000.00

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
ED Office; Contractor

Task Location
ED Offices; Contractor Offices

Task Description

- Land management will be needed by United Farm Management for the Plum Creek Complex, Cottonwood Ranch Complex, and Elm Creek Complex and for non-complex land at the DeBore and Leihs Wetland.
- Land management will be needed by AgriAffiliates for the Shoemaker Island Complex, Fort Kearney Complex and for non-complex lands at Alda pit, Leaman East pit and Broadfoot Newark pits.
- Both advisors shall continue grassland leases for haying and grazing on all properties annually to the end of the First Increment.

Products

- Meeting participation
- Memoranda and reports

Notes on Cost

Two agricultural management firms will be used to handle tenant leases for Program properties in 2014. The properties will be divided geographically between the two firms, with the properties at and east of Kearney handled by AgriAffiliates and the properties to the west of Kearney handled by United Farm Management. The work load will be generally equal between the two firms. Labor costs are billed at $75 per hour by each firm. The breakdown of hours and costs estimated for each firm based on experience and discussions with each firm are tabulated below:

Firm	Direct Costs	Hours	Labor Costs	Total
AgriAfiliates	$1,000	120 hrs @$75/hr	$9,000	$10,000
United Farm Mgmt.	$1,000	120 hrs @$75/hr	$9,000	$10,000
			TOTAL	**$20,000**

The firms were selected based on a comparative vetting process involving most of the firms that provide such services that were located within the Lexington to Grand Island corridor. The selection was made based on qualifications, reputation, capacity, and competitive labor rates/time estimates.

General note on all Special Advisor budget line items: Please refer to the third paragraph in the Exceptions: section of the Procurement Policy adopted by the Governance Committee in August of 2008, "Retention of special advisors to the ED of a technical or legal nature is exempt from the procedures provided in this directive."

Consequently, special advisors are not selected through a competitive process involving advertised RFQs or RFPs. Special advisors are selected by the Executive Director based on qualifications – education, relevant experience, expertise and skills, reliability, credibility, and ability to work effectively with the ED and the staff of the EDO. Special Advisors and the firms they are associated with cannot do any other work for the Program, individually or as part of a team. This is a critical restriction and generally orients special advisor selection to individuals who are sole proprietors or part of small firms that would not likely be doing significant levels of work for the Program on other specific, larger projects.

The billing rates are negotiated with the special advisors by the ED and are kept within the industry standard of practice based on each individual's qualifications. While industry standard of practice may not be precisely defined, anyone who is a practicing member of that professional community understands the limits of reasonableness associated with those boundaries. Appropriate expertise to make this assessment resides with the ED or EDO staff. The industry standard of practice rates guidelines used in this process is established based on an on-going market survey process comparing labor rates of similarly qualified professionals in the field.

In the case of Special Advisors, individuals with similar experience and qualifications have been part of consultant teams selected through the Program's competitive procurement process over a six plus year period. Comparison of the Special Advisor rates to the rates charged by comparable individuals through the competitive procurement process provides an indisputable basis for comparison. In all cases the Special Advisor rates are not only within the range of rates seen on the consultant teams which have been selected competitively, but typically at the middle to lower end of the range. As rates charged by Special Advisors are at the middle to low end of the range of rates for similar work acquired through the Program's competitive procurement process, the estimate for Special Advisors is considered fair and reasonable.

The anticipated level of effort for the upcoming year is also discussed with the special advisors by the ED and members of the EDO staff, but all work is assigned on an as-needed basis with no guarantee of any minimum level of assignments.

During the budgeting process, the special advisors anticipated to be needed and roughly the level of effort expected to accomplish the work plan for the budget year is scrutinized by and discussed with the appropriate advisory committees, the Finance Committee, and the Governance Committee. Input is received and taken under advisement from all these sources as to the appropriateness of the budgets for these line items with appropriate adjustments made prior to budget approval.

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

LP-7		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ -	$ -
2010	$ -	$ -
2011	$ 50,000.00	$ -
2012	$ 50,000.00	$ -
2013	$ 55,000.00	$ -
2014	$ -	$ 50,000.00

Program First Increment Timeline
Annual

FY 2013 Start Date
January 1, 2013

FY 2013 End Date
December 31, 2013

Task Completed by
ED Office; Contractor (Nebraska Game and Parks Commission)

Task Location
All Available PRRIF properties

Task Description
Cost associated with public recreation access to Program lands. Costs are for the maintenance and administration of an on-line reservation system and the on the ground monitoring of recreational use of the properties. This program will need to plan for additional costs resulting from increased time commitments as the use of the system increases and more lands are added to the access program. In addition, we can expect increases in unit costs from the provider, Nebraska Game and Parks Commission, to handle inflation and other increased costs to them at some point in the future.

Products
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. Conformance with expectations of America's Great Outdoors initiative.

Notes on Cost
Nebraska Game and Parks Commission will manage public access to Program lands in 2014 pursuant to a contract between the Nebraska Community Foundation and the Nebraska Game & Parks Commission.

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

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
ED Office; Contractor

WP-1 (a-b)		
Year	Approved	Estimated
2007	$ 241,000.00	$ -
2008	$ 40,000.00	$ -
2009	$ 80,000.00	$ -
2010	$ 450,000.00	$ -
2011	$ 450,000.00	$ -
2012	$ 300,000.00	$ -
2013	$ 700,000.00	$ -
2014	$ -	$ 360,000.00

Task Location
ED Offices; Contractor Offices; North Platte River and Platte River between Kingsley Dam and Chapman

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) will continue efforts toward increasing North Platte River channel capacity at National Weather Service (NWS) flood stage upstream of the Central Nebraska Public Power and Irrigation District (CNPPID) diversion dam to at least 3,000 cfs. This includes efforts toward raising NWS flood stage at North Platte from 6.0 feet to 6.5 feet and increasing by-pass capacity to the South Platte River upstream of North Platte. Additional technical and/or contracting services will be engaged to implement the State Channel Reactivation flood-risk reduction project begun in 2013 and make improvements to by-pass canals on the Suburban and Platte Valley Canals. Specific items associated with this effort and estimated ranges of costs associated with each item are:

1. Implement of flood-risk reduction projects	$80,000 to $100,000
2. Vegetation clearing and deep tillage	$50,000 to $100,000
3. Design and implementation of canal by-pass projects	$70,000 to $120,000
TOTAL	**$200,000 to $320,000**
	Budget for $260,000

The budget number is based on approximately 75% of the estimated maximum as a conservative means of dealing with uncertainty associated with cost estimates and experience regarding the ability to accomplish all that is planned. Further detail of the cost estimates for the items described in the 2014 Work Plan follow:

1. Implementation of flood-proofing projects: $80,000 to $100,000
   The Program is currently amending an existing contract for additional design and permitting services related to the following which will include refined implementation costs estimates. In the interim, the cost estimates provided below are based preliminary estimates from the design professionals. Based on previous estimates provided by the firm for similar work for the Program, these estimates are considered fair and reasonable.

State Channel Improvements	$40,000 to $60,000
Estimate for Individual Permit for State Channel	$40,000
TOTAL	**$80,000 to $100,000**

2. Vegetation clearing and deep tillage: $50,000 to $100,000
Cost will vary, depending on the number of acres of non-woody vegetation sprayed, cleared, and tilled ($400/acre if all operations performed) and the number of acres of trees cleared, burned, and buried ($1,500/acre). Unit costs are based on experience and areas are based on preliminary assessment of vegetation removal efforts required. Assumptions used to define low and high end scenarios are included in Table 1.

Table 1. Cost Assumptions.

Scenario	Management Action	Acres*	Unit Cost** ($/acre)	Cost ($)
Low End	Non-woody clearing	50	400	20,000
	Tree clearing	20	1,500	30,000
			TOTAL	**50,000**
High End	Non-woody clearing	160	400	64,000
	Tree clearing	24	1,500	36,000
			TOTAL	**100,000**

* Area estimates are based on map delineation of minimum and maximum areas likely to increase hydraulic conveyance if cleared.
**Unit cost estimates have been developed from compilation of bids and costs incurred for this type of work in the riparian woodland/river fringe environment in this area over the past six years. Non-woody clearing consists of shredding and deep, rip tillage. Tree clearing consists of a push over, pile, burn, and bury type of operation. Specific clearing activities have not been identified at this time and additional refinements to these estimates is not currently possible.

3. Design and implementation of canal by-pass projects: $70,000 to $120,000
The following cost estimates are for canal improvements on the North Platte and Suburban canals. The estimates are based on experience for similar work performed for the Program awarded through competitive bid processes as well as recent canal improvements undertaken by the Central Platte Natural Resource District (CPNRD) awarded through competitive bid processes. The projects would require hiring a contractor to design and implement.

Design Cost of canal improvements	$30,000 to $50,000
Construction Cost of canal improvements	$40,000 to $70,000
TOTAL	**$70,000 to $120,000**
	Budget for $100,000

- WP-1(b) is a cost share with Platte Valley and West Central Weed Management Areas to spray vegetation and clear biomass from the North Platte River channel between Kingsley Dam and the CNPPID diversion dam and from the Platte River between North Platte and Chapman. The work will consist of control, removal and monitoring of invasive vegetation within Platte River channels and its tributaries in Lincoln, Dawson, Buffalo, and Hall counties. Particular emphasis will be placed on work at locations of specific concern with respect to NWS flood stage, for example, the channel in the vicinity of Kearney.

Table 2. Cost Assumptions for WP-1(b).

Category	Amount	Unit Cost	Total Cost
Control (helicopter)	35 hrs	$1,975/hr	$69,000
Control (Airboat)	90 hrs	$140/hr	$13,000
Survey (helicopter)	5 hrs	$1,025/hr	$5,000
Herbicide	203 gals	$75.13/gal	$15,000
		Total	**$102,000, round down to $100,000**

Products

- Cleared channel.
- Completed flood proofing projects.
- Improved canal capacity.
- Cost estimates for 2015 and 2016 maintenance and additional clearing efforts to maintain all channel sections between Kingsley Dam and Chapman.

Notes on Cost

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

Budget

Program Task WP-1								
	2007 Approved	**2008 Approved**	**2009 Approved**	**2010 Approved**	**2011 Approved**	**2012 Approved**	**2013 Approved**	**2014 Estimated**
WP-1(a): N. Platte Channel Above CNPPID Diversion Dam	$241,000	$40,000	$80,000	$50,000	$250,000	$100,000	$500,000	$260,000
WP-1(b): N. Platte and Platte River Biomass Clearing [a]	$0	$0	$0	$400,000	$200,000	$200,000	$200,000	$100,000

[a] Matching funds in a cost-share program with Platte Valley and West Central Weed Management Areas

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

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
ED Office; Contractor

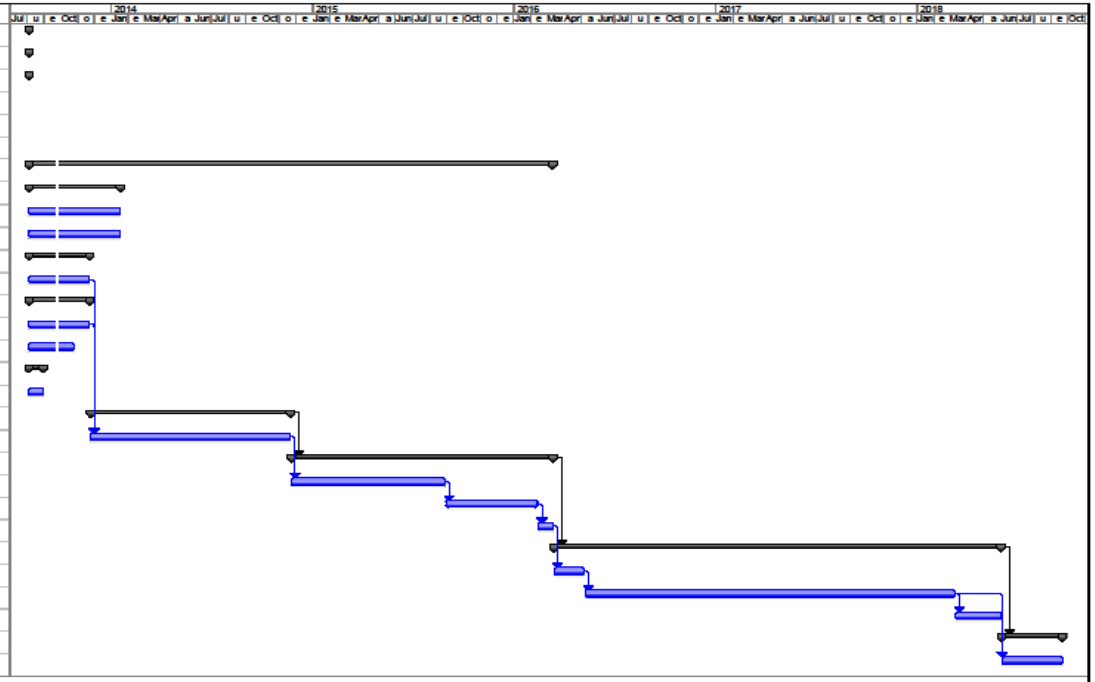
WP-4(a-h)		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ -	$ -
2010	$ -	$ -
2011	$ 5,100,000.00	$ -
2012	$11,800,000.00	$ -
2013	$15,100,000.00	$ -
2014	$ -	$ 16,708,317.00

Task Location
ED Offices; Contractor Offices; Nebraska, Colorado, Wyoming

Task Description
Under WP-4, the Program intends to advance projects from the 2009 Water Action Plan Update through feasibility into full implementation, including design and construction. The ED Office will work with the Water Advisory Committee and associated Work Groups to evaluate the potential yield, permitting requirements, and costs associated with various projects. The 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). The following paragraphs provide a brief description of the anticipated sub-tasks included in the 2014 budget:

- WP-4(a) J2 Regulating Reservoir – In 2014, the budget will be used to fund the first year of construction costs for the J2 Regulating Reservoir. The total construction cost budget of $57,662,554 is required to be available before construction begins to ensure the full funds to complete the project are reserved. Therefore, the budgeted funds for the project will be acquired in 2014, 2015 and 2016, whereas construction is projected to begin in 2017. The final design for the reservoir is anticipated to be completed by the contractor in 2015 and 2016 and the project's construction and final permitting are projected to initiate in 2017 and continue through 2018. The schedule through construction is based on the projected schedule provided by RJH Consultants, Inc. in the J-2 Regulating Reservoir Conceptual Design Report (February 2013). The projected schedule is provided on the following page.

ID	Task Name	Duration	Start	Finish	Predecessors
1	**Project Coordination**	**1 day?**	**Mon 8/5/13**	**Mon 8/5/13**	
24	**Permitting**	**1 day?**	**Mon 8/5/13**	**Mon 8/5/13**	
32	**Project Management**	**1 day?**	**Mon 8/5/13**	**Mon 8/5/13**	
40					
41					
42					
43	**Engineering/Design**	**680 days**	**Mon 8/5/13**	**Fri 3/11/16**	
44	**Pre-Design**	**120 days**	**Mon 8/5/13**	**Fri 1/17/14**	
45	**Permitting Support**	6 mons	Mon 8/5/13	Fri 1/17/14	
46	**Land Acquisition Support**	6 mons	Mon 8/5/13	Fri 1/17/14	
47	**Data Collection**	**80 days**	**Mon 8/5/13**	**Fri 11/22/13**	
48	Groundwater Monitoring Wells	4 mons	Mon 8/5/13	Fri 11/22/13	
49	**Concept Adjustments**	**80 days**	**Mon 8/5/13**	**Fri 11/22/13**	
50	Plum Creek Hydrologic Evaluation	4 mons	Mon 8/5/13	Fri 11/22/13	
51	System Operations Modeling	3 mons	Mon 8/5/13	Fri 10/25/13	
52	**Risk Assessment**	**20 days**	**Mon 8/5/13**	**Fri 8/30/13**	
53	TBD	1 mon	Mon 8/5/13	Fri 8/30/13	
54	**Preliminary Design (60%)**	**260 days**	**Mon 11/25/13**	**Fri 11/21/14**	
55	TBD	13 mons	Mon 11/25/13	Fri 11/21/14	48,50
56	**Final Design (100%)**	**340 days**	**Mon 11/24/14**	**Fri 3/11/16**	54
57	Plans and Specs	10 mons	Mon 11/24/14	Fri 8/28/15	55
58	Regulatory Approval	6 mons	Mon 8/31/15	Fri 2/12/16	57
59	Issued For Bid	1 mon	Mon 2/15/16	Fri 3/11/16	58
60	**Construction**	**680 days**	**Mon 3/14/16**	**Fri 6/1/18**	56
61	Procurement	2 mons	Mon 3/14/16	Fri 5/6/16	59
62	Construction	24 mons	Mon 5/9/16	Fri 3/9/18	61
63	Close Out	3 mons	Mon 3/12/18	Fri 6/1/18	62
64	**Operations**	**80 days**	**Mon 6/4/18**	**Fri 9/21/18**	60
65	First Filling	4 mons	Mon 6/4/18	Fri 9/21/18	62



Project: 13-09-17-J2-Master Schedule
Date: Wed 9/25/13

Task | Progress | Summary | External Tasks | Deadline
Split | Milestone | Project Summary | External Milestone

Page 1

The budget estimate for 2014 is based on the first year of a three-year projected upfront construction cost payment, projected for budgeting in 2014 through 2016. The 2014 portion of the three-year projected upfront cost payment is approximately $19,200,000 from all parties, which includes approximately $14,400,000 from the Program and $4,800,000 from the NDNR. Construction costs payments are anticipated to be reserved in the 2014, 2015 and 2016 budgets so that the full funds are available for actual reservoir construction in 2017 and 2018. The total Program portion of the cost through construction is approximately $43,200,000 in three years (2014, 2015 and 2016), or about $14,400,000 per year. This cost covers the Program portion of base construction cost (general site work, seepage management/liner, embankments, slope protection, tributary work, inlets/outlets, Phelps County Canal work), mobilization/demobilization (1.5% of base construction cost), bonds/insurance (1% of base construction cost), a 20% contingency on the direct construction cost (base construction cost plus mobilization/demobilization and bonds/insurance), construction engineering (8% of the direct construction cost) and a 2.5% administration cost (based on the subtotal cost less CNPPID's share of $1,500,000). The construction cost estimate is based on the J-2 Regulating Reservoir Conceptual Design Report prepared by RJH Consultants, Inc. in 2013. A summary of estimated costs are shown in Table 1.

Table 1. J-2 Regulating Reservoir Cost Summary.

Item	Row	Cost
General Site Work	A	$ 1,468,900
Seepage Management/Liner	B	$ 13,794,900
Embankments	C	$ 8,003,450
Slope Protection	D	$ 10,447,900
Plum Creek/Unnamed Tributary	E	$ 2,558,000
Inlets and Outlets	F	$ 5,136,892
Phelps County Canal	G	$ 2,540,075
Base Construction Cost (BCC)	H	**$ 43,950,117**
Mob/Demobilization & Bonds and Insurance (2.5% of BCC)	I	$ 1,098,753
Direct Construction Cost (DCC)	J	**$ 45,048,870**
Contingency (20% of DCC)	K	$ 9,009,774
Construction Engineering (8% of DCC)	L	$ 3,603,910
Subtotal	M	**$ 57,662,554**
CNPPID Share	N	$ 1,500,000
NDNR and Program Share	O	$ 56,162,554
Administration (2.5% of NDNR and Program Share)	P	$ 1,404,064
NDNR and Program Total Share	Q	**$ 57,566,617**
NDNR Share (25%)	R	$ 14,391,654
Program Share (75%)	S	$ 43,174,963
Program Three-Year Cost	T	**$ 14,391,654**

Row Notes:

A through G. Based on RJH Consultants, Inc.'s J-2 Regulating Reservoir Conceptual Design Report (Feb 2013).

H. Sum of Rows A-G.

I. Row H × 2.5%.

J. Rows H + I.

K. Row J × 20%.

L. Row J × 8%.

M. Sum of Rows J-L.

N. Based on CNPPID's portion in the Three-Party Agreement.

O. Row M - Row N.

P. Row O × 2.5%.

Q. Row O + Row P.

R. Row Q × 25%. Based on NDNR's portion in the Three-Party Agreement.

S. Row Q × 75%. Based on Program's portion in the Three-Party Agreement.

T. Row S ÷ 3 years. Based on estimated payment schedule from 2014-2016.

- WP-4(b) Nebraska Ground Water Recharge – The Phelps County Canal (CNPPID) and Central Platte Natural Resources District (CPNRD) ground water recharge leasing projects are included in this line item.

The Phelps County Canal ground water recharge project commenced in fall 2012. The installation of the associated monitoring equipment was previously approved and completed under the 2012 and 2013 budgets. The 2013 budget will be used for the 2013-2014 recharge season operations. The 2014 budget will be used for the 2014-2015 recharge season operations. A Water Service Agreement with CNPPID and the full-scale implementation of the project will commence in the fall of 2014 extending through the first increment. The anticipated 2014 activities include continued water permitting for recharge operations (it is anticipated that the permanent recharge permits may be approved in 2014), minor canal-related infrastructure improvements, and operation and maintenance associated with full-scale canal recharge. The permanent recharge permits include recharge in the Tri-County Canal, Phelps County Canal and E65 Canal with a maximum total diversion rate of 700 cfs, or 350 cfs in the Phelps County Canal and 350 cfs in the E65 Canal. The canal capacity rates are 1,000 cfs and 350 cfs for the Phelps County Canal and the E65 Canal, respectively. The permanent recharge permits were submitted to the NDNR in 2012 and are currently pending. CNPPID filed for an application for a permit to appropriate excess natural streamflow for the purpose of recharge operations for instream uses for the Program. CNPPID and the Program may operate under the temporary recharge permits during the 2013-2014 season, depending on whether the permanent recharge permits are approved by the NDNR in the coming year. In 2013, CNPPID applied for a temporary permit to appropriate natural streamflow for recharge in the Phelps County Canal for instream uses for the Program, up to 350 cfs. This permit is also currently pending.

The Program and CNPPID intend to divert excess flows into the Phelps County Canal for recharge in the fall of 2014 under the permanent permits, which are anticipated to be approved by the NDNR before the start of 2014-2015 season operations. The budget cost estimate is $26/acre-foot per the long-term Water Service Agreement with CNPPID for water delivered into the Phelps County Canal for ground water recharge operations. CNPPID intends to divert recharge into the canal through (and potentially) beyond Mile Post 13.3, which is a canal check location, allowing the canal to serve as surface water storage. The budget cost for recharge in the E65 canal is $37/acre-foot of water delivered by CNPPID, per the long-term Water Service Agreement. For the 2014 budget, half of the estimated maximum recharge delivery volume was assumed to be delivered into the Phelps County Canal, and no recharge deliveries in the E65 Canal for the Program.

The ED Office estimated a 2014 maximum volume of 13,583 acre-feet delivered into the Phelps County Canal for recharge purposes. Half of the maximum amount is 6,792 acre-feet, and that iss the assumed delivered volume for 2014. The Program intends to purchase 50% of the delivered volume, per the Water Service Agreement with CNPPID. The volume delivered is based on the maximum volume in the EDO's preliminary Phelps County Canal Ground Water Recharge Scoring Analysis Memo (dated 7/22/2013 to the Governance Committee's Scoring Subcommittee) for recharge operations from mid-September through mid-April. The estimate is based on the excess flows available using OpStudy Hydrology and a canal diversion of 115 cfs, which is conservative considering the permit appropriations submitted to NDNR assumed a maximum diversion rate of 350 cfs per canal (Phelps County Canal and E65 Canal). Many of the assumptions used in the Phelps County Canal ground water recharge preliminary score analysis are similar to the score model assumptions approved by the Governance Committee for the J-2 Regulating Reservoir.

The total volume of recharge in the Phelps County Canal is projected to be 6,792 acre-feet, and the Program portion will be 50% of the total volume, or 3,396 acre-feet. The projected volume may change during actual operations; the actual volume diverted into the Phelps County Canal for recharge in 2014 will be measured and recorded. Note that the deliveries into recharge do not

represent the Program's score towards to the First Increment at Grand Island. In the Phelps County Canal preliminary scoring analysis, it was determined that approximately 40% of the deliveries into recharge contribute to the project score (referred to as the "score efficiency"), based on the timing of the lagged accretions to the river during target flow shortages periods. It is assumed the score efficiency of deliveries into the E65 Canal may be lower than the Phelps County Canal due to a greater distance from the river; however, this has not been modeled at this time.

Based on the assumptions described above, the total cost for recharge operations with CNPPID in the Phelps County Canal accruing to the Program will be $26/acre-foot × 3,396 acre-feet, or a total cost of approximately $88,296. The actual costs during recharge will be based on measured deliveries by CNPPID.

The CPNRD ground water recharge Water Use Lease Agreement would be for recharged water in the Orchard-Alfalfa, 30-Mile, and Cozad Canals. The water supply for recharge operations in the three canals will be flows in excess of target and instream flows in the Platte River. CPNRD submitted permanent permits for new surface water appropriations of natural flow for the purpose of recharge with the NDNR in 2011 and the permits are currently pending at this time. CPNRD filed for permits for 100 cfs of excess flow diversion in the 30-Mile Canal, 100 cfs in the Cozad Canal and 75 cfs in the Orchard-Alfalfa Canal. The budget for CPNRD recharge lease based on $35/acre-foot, escalated annually at 7.5%, for 5,125 acre-feet of recharged water, per the draft Water Use Lease Agreement with CPNRD. The draft Water Use Lease Agreement provides information regarding the costs and volumes associated with CPNRD's ground water recharge leasing and surface water leasing with the Program. The unit cost and yield volume are based on the draft Water Use Lease Agreement, which estimates half of the 20,500 acre-foot yield of the project (up to 10,250 acre-feet) will be available for the Program. In general, it was assumed the lease will be approximately 50% ground water recharge volume (5,125 acre-feet) and 50% surface water lease volume, per CPNRD's estimate at this time. The total volume and split between surface and groundwater is based on CPNRD's historical water use evaluation; however, the actual volume of recharge in 2014 or any year is dependent on the excess flows available for diversion into the canals, and is subject to change from the value provided in this document. The estimated volume of recharge water available for 2014 is estimated to be about 750 acre-feet, at $35/AF represents a cost of $26,250. The actual diversions into recharge will be measured and recorded. The surface water leasing budget is not included in this line item; surface water leasing with CPNRD is included in line item WP-4(f).

- WP-4(c) Net Controllable Conserved Water – The annual lease agreement with CNPPID is anticipated to be for a volume of 10,586 acre-feet of Net Controllable Conserved Water available at Lake McConaughy. The budget estimate is based on $219/acre-foot for 10,586 acre-feet. The volume estimate was provided by CNPPID in an offer letter to the Program on September 5, 2013. CNPPID's offer letter listed $5,472/acre-foot for a 25-year lease agreement or a total of $57,922,300 for the 10,586 acre-feet ($5,472/acre-foot divided by 25 years = $219/acre-foot). The budget estimate of $219/acre-foot for the Program in 2014 based on assumption that the Program will be able to negotiate a short-term contract with CNPPID for the remainder of the First Increment at a cost of $219/acre-foot, which is the unit cost value per acre-foot in CNPPID's offer letter. The 2014 volume is based on an assumed 80% allocation that would apply to the 10,586 acre-feet amount. The Program intends to lease water for the remainder of the First Increment (2014 through 2019) with an option to renew for the remainder of the 25-year period offered by CNPPID.

- WP-4(f) Nebraska Water Leasing – The Program intends to work with CPNRD under the Orchard-Alfalfa, 30-Mile, and Cozad Canals and with Nebraska Public Power District (NPPD) under the Dawson Canal to lease surface water flows with direct returns to the river during the irrigation season.

  CPNRD proposes to transfer the consumptive use from natural flow associated with surface water irrigation rights to instream flow purposes to increase streamflow in the Platte River. The transferred surface irrigation rights are from willing irrigators who may switch to a groundwater supply to irrigate their land. Surface water rights from the Thirty-Mile Canal, Cozad Canal and Orchard-Alfalfa Canal will be transferred to instream uses for the Program. CPNRD anticipates filing the water right transfer permits for temporary changes of use from irrigation to instream flows with the NDNR in fall of 2013. Based on the draft Water Use Lease Agreement with CPRND, the estimated yield is 5,125 acre-feet per year at the river for $35/acre-foot (the cost of surface water will be renegotiated after 2014to a higher rate more in line with market values). The unit cost and yield volume are based on the draft Water Use Lease Agreement, which estimates half of the 20,500 acre-foot yield of the project (up to 10,250 acre-feet per year) will be available for the Program. It was assumed 50% of the yield will be ground water recharge (5,125 acre-feet per year) and 50% will be surface water. The projected volume of water under the water leasing project is depending on the water available in 2014 and is subject to change from the estimate provided in this document. The estimated volume of surface water available in 2014 is 4,250 AF. The estimated cost for 2014 is $35/AF x $,250 AF = $148,750. Although the draft Water Use Lease Agreement includes both the surface water leasing and the ground water recharge leasing, each project is itemized separately in the Program budget. The ground water recharge leasing budget is not included in this line item; recharge leasing is included in line item WP-4(b).

  The yield of approximately 5,125 acre-feet will be available for the Program at the Platte River where the future return flow structures will be constructed on each canal. The water will be diverted and measured at each headgate and subsequently returned to the river at a location below each canal headgate. CPNRD will use an accounting system to track the surface water diverted into the canals, the volume returned to the river via return structures and the volume of groundwater pumping impacting the river. Daily account records from the return structure will be summed each month and the monthly groundwater depletions for the transferred acres will be calculated. The monthly accretions and depletions at the Platte River will be used to determine the volume of water leased.

  NPPD proposes to temporarily transfer the consumptive use portion of the natural flow available from 1216.5 relinquished acres under the Dawson Canal Water Appropriation D-622 to an instream use for the Program. Irrigators can willingly relinquish surface water acreage where they no longer need the water. NPPD filed for a temporary change of appropriation permit with the NDNR in July 2013. The permit application requested a temporary change from irrigation to instream use for 6 years from May 14, 2014 through 2019 at a rate of a maximum of 7.6 cubic feet per second (cfs) up to a maximum of 1,044 acre-feet. Based on NPPD's analysis of water right availability data from 2001 through 2012, the transfer will yield an average annual volume of 947 acre-feet. For the purposes of budgeting, maximum rather than average yields are assumed. The Program submitted a letter of support for the temporary change of use that was included with the permit application. The status of the permit application is currently pending. For the water leasing project, NPPD intends to continue diverting Appropriation D-622 into the Dawson County Canal and then return the consumptive use portion to the Platte River. The yield will be available for the Program just downstream of the Dawson County Canal headgate, at a return flow station that will be constructed in the future.

The NPPD lease cost per acre-foot is based on the offer price of $160 per acre. The dollar per acre cost was translated into a price per acre-foot by the EDO. The ED Office multiplied the Natural Flow Crop Irrigation Requirement (CIR) per acre (inches/acre) by the cost per acre of $160 per acre and converted inches to feet, arriving at $190/AF. The Natural Flow CIR value was calculated by NPPD as 10.3 inches/acre. This is based on a weighted average canal area CIR of 11.1 inches/ acre multiplied by 93%, which is the estimated proportion of natural flow in the canal (storage water will not be transferred), as shown in Table 2.

Table 2. Summary of NPPD Water Leasing Calculations.

(A) Transferred Acres	(B) Weighted Average CIR (inches/acre)	(C) Proportion of Natural Flow	(D) Natural Flow CIR (inches/acre)	(E) Volume of Water for Transfer (AF)
1216.5	11.1	93%	10.3	1044

(A) Relinquished acres historically irrigated with surface water.
(B) Average CIR based on cropping patterns in the canal area and CIR values from COHYST.
(C) Proportion of natural flow diverted into the canal (the remaining 7% is storage water, which will not be transferred).
(D) Natural Flow CIR = Columns (B × C)
(E) Transfer Volume = Columns (A × D) ÷ 12 inches/foot

The total volume of water available to the Program is estimated at a maximum of 1044 acre-feet per year, based on NPPD's historical consumptive use analysis and included in the permit application to the NDNR for a temporary transfer to instream uses. The 2014 budget is based on the 1044 acre-feet maximum annual estimate at $190/AF, resulting in a cost of $198,360.

- WP-4(h) Nebraska Ground Water Management – No budget is provided in 2014 for this line item. In the future, among the alternatives that may be considered is a continuation of the exploratory work of 2013 involving Funk Lagoon. Funk Lagoon is a series of three basins that fill with water from runoff and precipitation, located in the Tri-Basin Natural Resource District south of Kearney. The property is located just north of CNPPID's Phelps County Canal, which can be used to provide a water supply to the lagoon. The Funk Lagoon property is owned by the U.S. Fish and Wildlife Service and managed by the Rainwater Basin Wetland Management District as waterfowl habitat. The Program may work with the Rainwater Basin Wetland Management District and CNPPID in the future to develop a conceptual project design, likely involving storing leased water from CNPPID in the Funk Lagoon and later releasing water to reduce shortages and retime flows. The natural runoff in the Funk Lagoon may also be used to reduce shortages to target flows.

Products

- J-2 Regulating Reservoir: First year of three-year (2014-2016) construction cost for reservoir and canal improvement.
- Nebraska Groundwater Recharge: Water Service Agreement with CNPPID, temporary and permanent permits for recharging excess flows available in CNPPID's system.
- Net Controllable Conserved Water: Water Agreement with CNPPID for conserved water available in Lake McConaughy.

- Nebraska Water Leasing: Lease agreements with CPNRD and NPPD for surface water leases in canals.
- Water supply-related permits/proof of ownership, as necessary for projects.
- Water rights evaluations and feasibility studies, as necessary for projects.
- Cost estimates for 2014 and long-term operations and maintenance of projects.

Notes on Cost

Specific expenditures will require authorization of Finance Committee. Cost estimates are based on feasibility study information, ED Office analyses and other project sponsor estimates and will be updated based on any additional studies currently being completed. In general, estimates account for project sponsor contributions.

Budget

	Program Task WP-4							
	2007 App	**2008 App**	**2009 App**	**2010 App**	**2011 Approved**	**2012 Approved**	**2013 Approved**	**2014 Estimated**
WP-4(a): Rereg. Reservoir	$0	$0	$0	$0	$4,500,000	$9,000,000	$13,000,000	$14,392,000
WP-4(b)i: Phelps Recharge	$0	$0	$0	$0	$600,000	$200,000	$200,000	$88,290
WP-4(b)ii: CPNRD Recharge	$0	$0	$0	$0	$0	$0	$0	$26,250
WP-4(b)iii: Other Recharge	$0	$0	$0	$0	$0	$0	$0	$0
WP-4(c)i: No Cost NCCW	$0	$0	$0	$0	$0	$0	$1,500,000	$0
WP-4(c)ii: Purchased NCCW	$0	$0	$0	$0	$0	$0	$0	$1,854,667
WP-4(d): Pathfinder Municipal Account	$0	$0	$0	$0	$0	$2,000,000	$0	$0
WP-4(e): CO GW Mgmt.	$0	$0	$0	$0	$0	$0	$0	$0
WP-4(f)i: CPNRD Leasing	$0	$0	$0	$0	$0	$500,000	$150,000	$148,750
WP-4(f)ii: NPPD Leasing	$0	$0	$0	$0	$0	$0	$0	$198,360
Wp-4(f)iii: Other Leasing	$0	$0	$0	$0	$0	$0	$0	$0
WP-4(g): Water Mgmt. Incentives	$0	$0	$0	$0	$0	$0	$0	$0
WP-4(h): NE Ground Water Mgmt.	$0	$0	$0	$0	$0	$100,000	$250,000	$0
WP-4 Total	**$0**	**$0**	**$0**	**$0**	**$5,100,000**	**$11,800,000**	**$15,100,000**	**$16,708,317**

PROGRAM TASK & ID: WP-5. Management Tool

WP-5		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ -	$ -
2010	$ 100,000.00	$ -
2011	$ 200,000.00	$ -
2012	$ 50,000.00	$ -
2013	$ 50,000.00	$ -
2014	$ -	$ 90,000.00

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
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.

The COHYST modeling system is on schedule to be functional in the first quarter of 2014, and will be a candidate for use as the comprehensive operational tool. Consequently, some level of training on the modeling system will be required for ED Office staff to assess the COHYST tool for this role. In addition, while any scenarios that will be run on behalf of PRRIP in 2014 will need to be run and documented by the COHYST consultant team because of the complexity of use of the tool at this point, fundamental training will be required to allow ED Office staff to confirm that the scenarios were run as intended and to interpret the results. A breakdown of the cost estimate for these efforts are provided in the table below:

COHYST Training, Model Analysis, and Reporting Cost Summary

Task	Hours	Estimated Fee
100 – Incorporation of J-2 Regulating Reservoir	184	$26,000
200 – 1985-2005 Simulation of Updated STELLA Model	72	$11,000
300 – Simulation of Phelps Canal Recharge Project	128	$18,000
400 – Recharge Response Function	52	$10,000
500 – Preparation for 1947-2010 Simulation	88	$11,000
600 – Documentation of Task Series 100-500	60	$10,000
Estimated Direct Expenses (@5%)		$4,000
Total Estimated Fee	**584**	**$90,000**

The STELLA surface water operations model component of the COHYST package will be the focus of the initial effort. The existing model will need to be modified to incorporate the proposed operations of the Program projects including a recharge response function.

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 will require authorization of Finance Committee.

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

WP-8		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ -	$ -
2010	$ 150,000.00	$ -
2011	$ 200,000.00	$ -
2012	$ 150,000.00	$ -
2013	$ 125,000.00	$ -
2014	$ -	$ 100,000.00

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

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 are not limited to: economics, water infrastructure, structural, and hydrogeology/ground water.

Anticipated Special Advisors include:
Economics and Water Markets: $20,000 to $30,000
Economic and water market expertise may be required for analysis of costs on the Net Controllable Conserved Water project, the Water Management Incentives project, and the water lease agreements with the Nebraska Public Power District and the Central Platte Natural Resource District. Cost estimates are based on 160 to 240 hours at a billing rate of $125/hour, for a total of $20,000 to $30,000. Billing rates are based on previous contracts awarded in a competitive process and are assumed to be fair and reasonable. George Oamek is contracted as the Program's special advisor for economics and water markets.

Hydrogeology and Groundwater: $45,000 to $75,000
Several projects include hydrogeologic elements that may require further expertise, including the Phelps groundwater recharge project, the groundwater recharge component of the CPNRD lease agreement, the wet meadows hydrologic monitoring project, the Funk Lagoon project, and COHYST scenario runs. Cost estimates are based on 300 to 500 hours at a billing rate of $150/hour, for a total of $45,000 to $75,000. Billing rates are based on previous contracts awarded in a competitive process and are assumed to be fair and reasonable. Bill Hahn is contracted as the Program's special advisor for hydrogeology and groundwater.

Civil Infrastructure: $20,000 to $40,000
The J-2 Regulating Reservoir may require civil infrastructure, water project permitting, and/or dams and hydraulic structures expertise. Cost estimates are based on approximately 130 to 260 hours at a billing rate of $155/hour, for a total of $20,000 to $40,000. Billing rates are based on previous contracts awarded in a competitive process and are assumed to be fair and reasonable. Tara Schutter is contracted as the Program's special advisor for civil infrastructure.

Area of Expertise	Name	Estimated Range of Expenditures
Economics and Water Markets	George Oamek	$20,000-$30,000
Hydrology and GW Recharge	Bill Hahn	$45,000-$75,000
Civil Infrastructure	Tara Schutter	$20,000-$40,000
	TOTAL	**$85,000-$145,000, not to exceed $100,000**

Products

- Meeting participation.
- Memorandums and reports.

General note on all Special Advisor budget line items: Please refer to the third paragraph in the Exceptions: section of the Procurement Policy adopted by the Governance Committee in August of 2008, "Retention of special advisors to the ED of a technical or legal nature is exempt from the procedures provided in this directive." Consequently, special advisors are not selected through a competitive process involving advertised RFQs or RFPs. Special advisors are selected by the Executive Director based on qualifications – education, relevant experience, expertise and skills, reliability, credibility, and ability to work effectively with the ED and the staff of the EDO. Special Advisors and the firms they are associated with cannot do any other work for the Program, individually or as part of a team. This is a critical restriction and generally orients special advisor selection to individuals who are sole proprietors or part of small firms that would not likely be doing significant levels of work for the Program on other specific, larger projects.

The billing rates are negotiated with the special advisors by the ED and are kept within the industry standard of practice based on each individual's qualifications. While industry standard of practice may not be precisely defined, anyone who is a practicing member of that professional community understands the limits of reasonableness associated with those boundaries. Appropriate expertise to make this assessment resides with the ED or EDO staff. The industry standard of practice rates guidelines used in this process is established based on an on-going market survey process comparing labor rates of similarly qualified professionals in the field.

In the case of Special Advisors, individuals with similar experience and qualifications have been part of consultant teams selected through the Program's competitive procurement process over a six-plus year period. Comparison of the Special Advisor rates to the rates charged by comparable individuals through the competitive procurement process provides an indisputable basis for comparison. In all cases the Special Advisor rates are not only within the range of rates seen on the consultant teams selected competitively, but typically at the middle to lower end of the range. As rates charged by Special Advisors are at the middle to low end of the range of rates for similar work acquired through the Program's competitive procurement process, the estimate for Special Advisors is considered fair and reasonable.

The anticipated level of effort for the upcoming year is also discussed with the special advisors by the ED and members of the EDO staff, but all work is assigned on an as-needed basis with no guarantee of any minimum level of assignments. During the budgeting process, the special advisors anticipated to be needed and roughly the level of effort expected to accomplish the work plan for the budget year is scrutinized by and discussed with the appropriate advisory committees, the Finance Committee, and the Governance Committee. Input is received and taken under advisement from all these sources as to the appropriateness of the budgets for these line items with appropriate adjustments made prior to budget approval.

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

LP-2		
Year	Approved	Estimated
2007	$ -	$ -
2008	$1,400,000.00	$ -
2009	$ 200,000.00	$ -
2010	$1,270,000.00	$ -
2011	$ 483,000.00	$ -
2012	$ 639,130.00	$ -
2013	$ 890,450.00	$ -
2014	$ -	$ 432,080.00

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
ED Office; contractors

Task Location
Plum Creek Complex, Cottonwood Ranch Complex; Elm Creek Complex; Fort Kearny Complex; Shoemaker Island Complex; and non-complex properties.

Task Description
Implementation of target species habitat restoration and maintenance activities at Program habitat complexes and non-complex properties. Activities generally include creation and maintenance of tern and plover on and off-channel nesting habitats and creation and maintenance of on and off-channel whooping crane roosting habitat. Some of the specific management actions are tree clearing, nesting island construction, channel disking, herbicide application, and seeding. See **Appendix A** for a detailed breakdown of LP-2 actions by habitat complex.

Linkage to AMP and Big Questions
Habitat complexes for implementation of AMP management 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. Cost experience is captured in bid tabulation spreadsheets capturing five years of bid/contracting experience through the Program's competitive procurement process at this point. The appropriate spreadsheets are updated after each competitive bid process is completed. The competitive bid/contracting experience of the Program is also compared to similar information developed by conservation partners in the Lexington to Grand Island area to have a solid handle on the market in the local area. The selection of the firms performing these services will be made through competitive processes as defined in the Procurement Policy. As the budget estimate is developed by using rates and the level of effort for similar work acquired for the Program through the competitive procurement process, and final negotiation and award of the contracts will be acquired through competition, the estimate for this work is considered fair and reasonable.

Notes on Cost

Appendix A contains more details, but the general breakdown of estimated FY14 costs for proposed FSM/MCM management actions in FY14 is as follows:

Location	Estimated FY14 Cost
New acquisitions	$50,000
Non-complex	$61,800
Plum Creek Complex	$25,300
Cottonwood Ranch Complex	$52,620
Elm Creek Complex	$145,420
Fort Kearny Complex	$34,340
Shoemaker Island Complex	$62,600
TOTAL	**$432,080**

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

Program First Increment Timeline
FY2009-FY2019

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

PD-13		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ 400,000.00	$ -
2010	$ 200,000.00	$ -
2011	$ 350,000.00	$ -
2012	$ 540,888.00	$ -
2013	$ 671,404.00	$ -
2014	$ -	$ 400,000.00

Task Completed by
ED Office; AMWG; TAC; contractor

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

Task Description
Implementation of full-scale sediment augmentation, monitoring, data analysis, and reporting.

Linkage to AMP and Big Questions
Integral to learning about physical process priority hypothesis Sediment #1 and Big Question #3.

Products
Augmentation, monitoring reports, appropriate permits.

Notes on Cost
The FY14 tasks and estimated costs for sediment augmentation are as follows:

Task Description	Estimated FY14 Cost
All monitoring tasks (including impact triggers, sediment transport, topography, modeling, and water quality) and associated reporting	$100,000
Project implementation – actual augmentation of sediment; contractor acquired through bid package, assumes basic implementation of mechanical manipulation	$200,000
Permitting – estimate of costs to secure appropriate federal and state permits; possible that mechanical manipulation will not require extensive permitting process	$100,000
FY14 ESTIMATED TOTAL	**$400,000**

Project oversight, including project planning and design, development of bid package to secure augmentation contractor, and final project evaluation and reporting will be conducted by the EDO. This estimate assumes basic implementation of mechanical manipulation (not sand pumping) and monitoring and cost estimates based on pilot study experience. As the budget estimate is developed by using rates and the level of effort for similar work acquired for the Program through the competitive procurement process, final negotiation and award of the augmentation and monitoring contracts will be acquired through competition and the estimate for this work is considered fair and reasonable.

PROGRAM TASK & ID: PD-15. AMP Permits

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
ED Office; contractor (HDR)

PD-15		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ 10,000.00	$ -
2010	$ 50,000.00	$ -
2011	$ 200,000.00	$ -
2012	$ 150,000.00	$ -
2013	$ 50,000.00	$ -
2014	$ -	$ 50,000.00

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 for AMP management actions at the Ft. Kearny Complex.

Linkage to AMP and Big Questions
Necessary to ensure implementation of AMP management actions.

Products
Permit(s)

Notes on Cost
Contract services for assistance with securing a permit from the U.S. Army Corps of Engineers to build tern/plover nesting islands at the Program's Ft. Kearny habitat complex will be secured through the Program's competitive selection process. HDR has been under contract since 2009 to perform similar work. In 2013, HDR's costs for securing a similar permit for island construction at the Program's Elm Creek habitat complex was roughly $32,000. For 2014, those estimated costs are rounded up to $50,000 to ensure enough budget is available to account for unforeseen eventualities in the permitting process that could slow down permit acquisition. Final budget and tasks will be negotiated with the successful contractor once the selection process is complete.

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

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
ED Office

PD-18		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ 140,000.00	$ -
2010	$ 50,000.00	$ -
2011	$ 55,000.00	$ -
2012	$ 66,215.00	$ -
2013	$ 66,215.00	$ -
2014	$ -	$ 75,000.00

Task Location
Central Platte River

Task Description
Headwaters Corporation owns equipment and will charge the Program a use rate for Program-related activities.

Linkage to AMP and Big Questions
Specific equipment important as management and monitoring tools related to AMP implementation.

Products
Equipment charges are calculated on an annual basis and then converted into monthly rates. The basic methodology was described in detail in a memo to the Finance Committee/Governance Committee dated 11/02/11. Some adjustments were made in costs based on 2013 experience and anticipated changes for 2014, including an additional vehicle. The categories and associated calculation methods are summarized and the corresponding values tabulated below.

The cost categories used and the calculation methodologies are as follows:

- Use & Maintenance – the use portion is calculated on an annualized replacement cost for the equipment or a passed through lease cost and the maintenance portion is calculated based on experience data and known periodic significant maintenance items (e.g., replacement of the bottom shield of the airboat) that are annualized to stabilize equipment costs between years.

- Fuel – the anticipated fuel costs based on anticipated miles, known miles per gallon rates, and anticipated cost of gasoline (weighted toward summer prices because that is the season of heaviest equipment use). A rate of $3.95/gallon is used in developing these costs.

- License/Insurance – the cost of licensing (trucks, airboats, and trailers all require licenses) and insuring the equipment, including liability insurance, is included in this cost.

MONTHLY EQUIPMENT COSTS

Unit	Use & Maintenance ($)	Fuel ($)	License & Insurance ($)	Monthly Total ($)	Comments
2011 Toyota Tundra	600.00	815.00	250.00	1,705.00	Leased by Headwaters Corp
2009 Chevy Silverado	350.00	670.00	150.00	1,200.00	Owned by Headwaters Corp
2007 Yukon	350.00	250.00	150.00	750.00	Owned by Headwaters Corp
1987 Toyota 4X4	150.00	125.00	125.00	415.00	Owned by Headwaters Corp
Airboat & Trailer	750.00	350.00	300.00	1,300.00	Owned by Headwaters Corp
Argo & Trailer	350.00	25.00	150.00	505.00	Owned by Headwaters Corp
ATV & Trailer	150.00	25.00	100.00	295.00	Owned by Headwaters Corp
Canoe Trailer	40.00		25.00	80.00	Owned by Headwaters Corp
TOTAL	**$2,740.00**	**$2,260.00**	**$1,250.00**	**$6,250.00**	**$75,000 (monthly total of $6,250 x 12months)**

The cost of fuel is a significant piece of the equipment costs (nearly 40% of the total), and the unit cost of gasoline is the most uncertain of all factors used in the development of these costs.

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

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

G-1 & G-2 (combined)		
Year	Approved	Estimated
2007	$ 10,000.00	$ -
2008	$ 270,000.00	$ -
2009	$ 40,000.00	$ -
2010	$ 21,000.00	$ -
2011	$ 100,000.00	$ -
2012	$ 118,100.00	$ -
2013	$ 118,100.00	$ -
2014	$ -	$ 118,100.00

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 AMP and Big Questions
Integral to learning about physical process priority hypotheses Flow #1, Flow #3, Flow #5, Sediment #1, and Mechanical #2 and related Big Questions (#1, #2, #3, and #4). Supporting information for flow-vegetation-sediment relationships and what FSM management strategy will do on the central Platte River.

Products
Processed LiDAR point data, bare earth digital elevation model including special in-channel processing using break lines (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. The contract is awarded through a competitive procurement process in conformance with the Procurement policy. The most recent contract was awarded in 2011. As the budget estimate is developed by using rates and the level of effort for similar work acquired for the Program through the competitive procurement process, and final negotiation and award of the contract was acquired through competition, the estimate for this work is considered fair and reasonable.

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

G-5		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ 95,000.00	$ -
2009	$ 395,000.00	$ -
2010	$ 300,000.00	$ -
2011	$ 447,500.00	$ -
2012	$ 450,000.00	$ -
2013	$ 477,738.00	$ -
2014	$ -	$ 495,000.00

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
Contractor (Tetra Tech)

Task Location
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 AMP and Big Questions
Integral to learning about physical process priority hypotheses Flow #1, Flow #3, Flow #5, Sediment #1, and Mechanical #2 and related Big Questions (#1, #2, #3, and #4). Supporting information for flow-vegetation-sediment relationships and what FSM management strategy will do on the central Platte River.

Products
Protocol data – transect surveys, longitudinal profile, vegetation surveys, etc.; data analysis and reporting.

Notes on Cost
The contract is awarded through a competitive procurement process in conformance with the Procurement policy. The most recent contract was awarded in 2012. As the budget estimate is developed by using rates and the level of effort for similar work acquired for the Program through the competitive procurement process, and final negotiation and award of the contract was acquired through competition, the estimate for this work is considered fair and reasonable.

Specific FY14 tasks include:

- Project management
- Field monitoring (bathymetric and topographic transect surveys, in-channel vegetation surveys, bed material sampling, sediment transport measurements, field data reduction)
- Data analysis (review and revise Data Analysis Plan, present plan at TAC meetings, implement plan)
- Reporting (annual report, TAC meetings, AMP Reporting Session)

FY14 Task	FY14 Labor Cost	FY14 Direct Cost (travel, equipment, field supplies, lab analysis)	Total by Task
100 – Project Initiation & Management	$6,194	$2,321	$8,515
200 – Field Monitoring	$269,508	$101,902	$371,410
300 – Data Analysis	$72,917	$1,738	$74,655
400 – Reporting	$37,136	$1,335	$38,472
TOTAL COST	**$385,755**	**$107,297**	**$493,052, round up to $495,000**

Based on discussions with the contractor (Tetra Tech) during development of the project's FY14 budget, estimated cost increases for FY14 are due to:

- Increase of total hours for all staff categories of about 18 percent due to increased hours for tasks such as data reduction and promotion of employees working on the project.
- Added 20 additional bed and bar material samples to cover split-flow channels not previously accounted for in previous budgets.
- Additional budget for revising the Data Analysis Plan as per direction from the EDO.
- 3% increase in the hourly billing rates.
- Increase to 14.44% of the overhead rate applied to all direct costs.

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

H-2		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ 29,500.00	$ -
2009	$ 30,000.00	$ -
2010	$ 50,000.00	$ -
2011	$ 50,000.00	$ -
2012	$ 40,000.00	$ -
2013	$ 40,000.00	$ -
2014	$ -	$ 38,000.00

Program First Increment Timeline
Annual

FY 2013 Start Date
January 1, 2013

FY 2013 End Date
December 31, 2013

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 AMP and Big Questions
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.

Notes on Cost
Stream gages have been installed at the request of the Program. The U.S. Geological Survey (USGS) installed and maintains two gages located on the Cottonwood Ranch Complex. These gages are used primarily in conjunction with geomorphology and sediment augmentation related research. The Nebraska Department of Natural Resources (NDNR) installed and maintains two gages, one at Lexington and one at Shelton. Annual maintenance costs include physical maintenance of the gage, checking and adjusting the rating curve through field measurements, QC/QA of the data, and making data available real-time. The USGS gages were established in a service agreement negotiated and still held by NPPD, but with the costs passed through to the Program. Costs are set at $20,000 but vary slightly annually if significant equipment components, such as probes or cables, need replacing. Annual maintenance costs for NDNR include the same services as described for the USGS and are set at $10,000 when data line charges paid directly by the Program are included. In addition, the Program will cost-share with CNPPID for the continued operation of the USGS gage at Overton, NE. The Overton gage is essential to Program decision-making through the availability of real-time data provided by the USGS equipment. Costs for this arrangement are anticipated to be about $10,000. This arrangement will likely end after 2014 as the NDNR INSIGHT system becomes fully operational and NDNR data becomes available real-time. There are two entities in Nebraska that can establish official stream gaging stations – the USGS and the NDNR. Because each entity is a government agency bound by their rules and regulations, and there are no other options for establishing an official stream flow record, these rates are considered fair and reasonable.

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

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
ED Office; contractors

Task Location
Central Platte River

IMRP-2		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ 700,000.00	$ -
2010	$ 325,000.00	$ -
2011	$ 450,000.00	$ -
2012	$ 335,000.00	$ -
2013	$ 450,000.00	$ -
2014	$ -	$ 117,000.00

Task Description
1) Further investigation of wet meadow hydrology including groundwater/river interactions ($50,000).
2) Update to Program 1-D hydraulic model to facilitate analysis of geomorphology and vegetation monitoring data ($67,000).

Linkage to AMP and Big Questions
1) The primary linkage is to USFWS target flows. The early and late spring pulse flows include wet meadow hydrology objectives. The water balance network will facilitate quantification of the benefits of those releases.
2) Fundamental to testing ability of FSM management strategy to create and/or maintain target species habitat.

Products
1) Continued monitoring and reporting on wet meadow hydrology at Program complexes.
2) Updated and calibrated 1-D hydraulic model.

Notes on Cost
These numbers are estimates based on similar work that has been performed for the Program by contractors selected through the competitive procurement process. Before RFPs or IFBs are advertised, contracts are executed, or money is expended, each step is reviewed by one or more of the following oversight committees: the Water Advisory Committee, the Technical Advisory committee, the Finance Committee, and often the Governance Committee. The selection of contractors is made through a competitive process as defined by the Procurement Policy. The negotiated contract and budget must be approved by the Finance Committee. As the budget estimate is developed by using rates and the level of effort for similar work acquired for the Program through the competitive procurement process, and final negotiation and award of the contract will be acquired through competition, the estimate for this work is considered fair and reasonable.

The estimated FY14 costs for major IMRP-2 projects is:

Project	Estimated FY14 Cost
Wet meadows hydrology	$50,000
1-D update model update	$67,000
Total	**$117,000**

The FY14 tasks and estimated costs for *wet meadow hydrology research* are as follows:

Expected Activity	Cost	Task completed by	Explanation/Assumptions
Equipment maintenance	**$6,200**		
Data logger maintenance	$1,200	In-Situ, Inc.	Assumes replacement of 1 data logger or repair of 2 data loggers (out of a total of 36 data loggers, the warranty on 1/2 expires in March and in June on the other 1/2)
Telemetry system maintenance	$4,000	In-Situ, Inc.	Annual maintenance quote from In-Situ of $4000 for 7 telemetry systems
AWDN annual maintenance	$1,000	HPRCC	Annual maintenance fee based on Program agreement with HPRCC
Data fees	**$3,612**		
In-Situ telemetry data fees	$3,612	In-Situ, Inc.	$43/month data fees for 7 telemetry units
Additional Monitoring Equipment, Fox and Binfield sites	**$38,800**		
Well drilling	$6,000	Drilling contractor	8 total, based on costs for drilling on Fox and Binfield ($750 each)
Data logger	$12,000	In-Situ, Inc.	8 total, In-Situ data logger & cables ($1,500 each)
Telemetry system	$16,000	In-Situ, Inc.	Assume the wells can integrate into existing telemetry system ($2000 ea.)
Precipitation gages	$4,800	HPRCC	Assume 2 additional Texas tipping buckets ($400 each), winter precip. gages ($500), and data loggers ($1500)
Total	**$48,612, round up to $50,000**		

Assumptions related to wet meadows hydrology research in 2014:

- We will not plan to monitor the Johns or Morse tract in 2014 (focus only on Fox and Binfield).
- We will not plan to install a Bowen system in 2014.
- We assume that some additional monitoring will be needed on Fox and Binfield, potentially more wells and/or precipitation gages. We budgeted for eight additional wells and two additional precipitation gages, for a total of $38,800
- Maintenance and data costs will be $9,812
- Total budget is estimated at $48,612; this budget line item is rounded up to $50,000.

The FY14 tasks and estimated costs for Tetra Tech to *update the Program's1-D hydraulic model* are as follows:

Task Description	Labor Cost	Direct Cost	Total by Task
Roughness/Phragmites update	$6,033	$31	$6,064
Survey data – GeoRAS, cut XS	$12,749	$60	$12,808
XS inspection	$11,216	$60	$11,276
Calibration	$28,729	$26	$28,755
Tech memo – Kearney meeting	$7,411	$641	$8,052
Total Cost	**$66,138**	**$817**	**$66,955, round up to $67,000**

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

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
ED Office; special advisors

IMRP-3		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ -	$ -
2010	$ 150,000.00	$ -
2011	$ 150,000.00	$ -
2012	$ 140,000.00	$ -
2013	$ 50,000.00	$ -
2014	$ -	$ 75,000.00

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

Task Description

- Advisors on AMP-related specialty topic of geomorphology. Review Program documents, attend workshops and meetings, assist with development of experimental design, research/monitoring goals and objectives, and data analysis.
- Advisor/facilitator for beginning of PRRIP target flow process for potential Second Increment. Planning with EDO; development of full scope of work and budget for target flow process in coordination with EDO; coordination with EDO, TAC, and ISAC; communication with GC as per EDO direction; participation in conference calls, GoTo meetings, and other meetings as requested.

Linkage to AMP and Big Questions
Special advisors fill important areas of expertise necessary to evaluate effects of Program management actions and progress toward AMP management objectives.

Products
Review of Program documents, advice on specific actions related to AMP implementation, and development of process documents as requested.

Notes on Cost
This FY 2014 budget line item is for expert assistance for the Executive Director's Office (EDO) on key topics for the Program. The budget breakdown for this line item is as follows:

Name	Area of Expertise	Hourly Rate	Estimated Hours	Total
Brad Anderson, P.E.	Sediment Transport and Geomorphology	$167.00	150	$25,050
Chester Watson, Ph.D., P.E.	Sediment Transport and Geomorphology	$122.00	250	$30,500
Special Advisor to be named	Adaptive management, environmental flows, facilitation	$175	100	$17,500
Other Direct Costs (i.e. travel and per diem for attendance at annual AMP Reporting Session)				$2,000
			Total not to exceed	**$75,050, round down to $75,000**

General note on all Special Advisor budget line items: Please refer to the third paragraph in the Exceptions: section of the Procurement Policy adopted by the Governance Committee in August of 2008, "Retention of special advisors to the ED of a technical or legal nature is exempt from the procedures provided in this directive."

Consequently, special advisors are not selected through a competitive process involving advertised RFQs or RFPs. Special advisors are selected by the Executive Director based on qualifications – education, relevant experience, expertise and skills, reliability, credibility, and ability to work effectively with the ED and the staff of the EDO. Special Advisors and the firms they are associated with cannot do any other work for the Program, individually or as part of a team. This is a critical restriction and generally orients special advisor selection to individuals who are sole proprietors or part of small firms that would not likely be doing significant levels of work for the Program on other specific, larger projects.

The billing rates are negotiated with the special advisors by the ED and are kept within the industry standard of practice based on each individual's qualifications. While industry standard of practice may not be precisely defined, anyone who is a practicing member of that professional community understands the limits of reasonableness associated with those boundaries. Appropriate expertise to make this assessment resides with the ED or EDO staff. The industry standard of practice rates guidelines used in this process is established based on an on-going market survey process comparing labor rates of similarly qualified professionals in the field.

In the case of Special Advisors, individuals with similar experience and qualifications have been part of consultant teams selected through the Program's competitive procurement process over a six plus year period. Comparison of the Special Advisor rates to the rates charged by comparable individuals through the competitive procurement process provides an indisputable basis for comparison. In all cases the Special Advisor rates are not only within the range of rates seen on the consultant teams which have been selected competitively, but typically at the middle to lower end of the range. As rates charged by Special Advisors are at the middle to low end of the range of rates for similar work acquired through the Program's competitive procurement process, the estimate for Special Advisors is considered fair and reasonable.

The anticipated level of effort for the upcoming year is also discussed with the special advisors by the ED and members of the EDO staff, but all work is assigned on an as-needed basis with no guarantee of any minimum level of assignments. During the budgeting process, the special advisors anticipated to be needed and roughly the level of effort expected to accomplish the work plan for the budget year is scrutinized by and discussed with the appropriate advisory committees, the Finance Committee, and the Governance Committee. Input is received and taken under advisement from all these sources as to the appropriateness of the budgets for these line items with appropriate adjustments made prior to budget approval.

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

IMRP-5		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ -	$ -
2010	$ -	$ -
2011	$ -	$ -
2012	$ 250,000.00	$ -
2013	$ 245,200.00	$ -
2014	$ -	$ 319,100.00

Program First Increment Timeline
FY2012-FY2016

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
ED Office; Contractor (EA and subcontractors)

Task Location
Shoemaker Island Complex

Task Description
2013 activities under the existing contract include:

- Evaluation of potential 2-D mobile bed sediment transport models and development of hydrodynamic and (possibly) sediment transport models of the Shoemaker Island Complex reach.
- Year 2 sediment, topographic, and vegetation monitoring including implementation of the project-scale monitoring protocol before and after any natural high flow events.
- Data analysis and reporting at the 2014 AMP reporting session.

Linkage to AMP and Big Questions
Integral to learning about physical process priority hypotheses Flow #1, Flow #3, Flow #5, Sediment #1, and Mechanical #2 and related Big Questions (#1, #2, #3, and #4). Supporting information for flow-vegetation-sediment relationships and what FSM management strategy will do on the central Platte River.

Products
Monitoring and modeling results; contractor presentations and participation in one TAC meeting and the 2014 Adaptive Management Plan Reporting Session.

Notes on Cost
The firm performing these services was selected through a competitive procurement process in conformance with the Procurement Policy in 2012. The industry standard of practice cost guidelines used in the negotiation process is established based on an on-going market survey process comparing labor rates and time estimates of similarly qualified. The market survey process used for this study was to compare level of effort and labor rates proposed against level of effort and labor rates for a variety of projects of a similar nature to this project that had been performed and acquired for the Program over the previous 6 years through the competitive procurement process. These projects of comparable nature included Sediment Augmentation Study, 1D Model Development, Elm Creek FSM Proof of Concept Study, and Geomorphology and In-Channel Vegetation Monitoring. All of these projects had been awarded through a competitive process in conformance with the Procurement Policy. As the budget estimate is developed by using rates and the level of effort for similar work acquired for the Program

through the competitive procurement process, and final negotiation and award of the contract was acquired through competition, the estimate for this work is considered fair and reasonable.

The estimated FY14 budget for Year 2 implementation of the FSM Proof of Concept experiment at the Shoemaker Island habitat complex, based on the scope of work as outlined in the original agreement, is:

	Labor Hours	Labor Cost	Subcontractor	ODC's	Travel	TOTAL	TOTAL (ROUNDED)
Task 1- Kickoff Call	4	$606.00	$2,520.00	$0.00	$0.00	$3,126.00	$3,100.00
Task 2 - Experiment Design	26	$2,810.00	$6,330.00	$149.52	$0.00	$9,289.52	$9,300.00
Task 3.1 - Review of Data Collected and Generation of Input Files, Calibration Files	0	$0.00	$4,200.00	$0.00	$0.00	$4,200.00	$4,200.00
Task 3.2 - Fixed Bed Modeling	0	$0.00	$3,360.00	$0.00	$0.00	$3,360.00	$3,400.00
Task 3.3 - Fixed-Bed Model for BSTEM	42	$3,546.00	$8,400.00	$2,043.48	$423.38	$14,412.86	$14,400.00
Task 3.4 - Mobile-Bed Model Development	0	$0.00	$19,200.00	$0.00	$0.00	$19,200.00	$19,200.00
Task 4.1 - Field Preparation	93	$7,897.00	$1,730.00	$1,363.00	$423.38	$11,413.38	$11,400.00
Task 4.2 - Pressure Transducer Install and O&M	36	$2,708.00	$4,330.00	$851.96	$0.00	$7,889.96	$7,900.00
Task 4.3 - Pre Event - Spring 2014	360	$31,190.00	$21,420.00	$9,451.54	$5,292.23	$67,353.77	$67,400.00
Task 4.4 - Data Collection During SDHF (Inactive)	0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Task 4.5 - Additional Data Collection for Sediment Budget (Inactive)	0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Task 4.6 - Scour Chains	0	$0.00	$1,500.00	$0.00	$0.00	$1,500.00	$1,500.00
Task 4.7 - Post Event - Summer 2014	272	$24,126.00	$14,420.00	$6,486.50	$4,798.28	$49,830.78	$49,800.00
Task 4.8 - Pre Event - Supplemental Topographic/Bathymetric Survey	49	$3,957.00	$2,810.00	$1,122.74	$564.50	$8,454.24	$8,500.00
Task 4.9 - Post Event - Supplemental Topographic/Bathymetric Survey	49	$3,957.00	$2,810.00	$1,122.74	$564.50	$8,454.24	$8,500.00
Task 5 - Data Analysis	232	$22,256.00	$23,000.00	$0.00	$0.00	$45,256.00	$45,300.00
Task 6 - Reporting	176	$19,940.00	$28,580.00	$227.14	$0.00	$48,747.14	$48,700.00
Task 7 - AMP Reporting Session	24	$3,192.00	$13,330.00	$0.00	$0.00	$16,522.00	$16,500.00
TOTAL - AMENDMENT 2	**1,363**	**$126,185.00**	**$157,940.00**	**$22,818.62**	**$12,066.27**	**$319,009.89**	**$319,100.00**

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

IMRP-6		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ -	$ -
2010	$ -	$ -
2011	$ -	$ -
2012	$ 143,227.00	$ -
2013	$ 35,000.00	$ -
2014	$ -	$ 36,000.00

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
ED Office; Contractor (RBJV)

Task Location
Central Platte River, NE

Task Description
Complete habitat availability assessments for terns/plovers and whooping cranes using 2013 data under the existing contract with Rainwater Basin Joint Venture. Utilize models and equipment from previous 2007-2013 assessments.

Linkage to AMP and Big Questions
Critical data for assessing tern/plover priority hypotheses T1, P1, and TP1 and whooping crane priority hypotheses WC1 and WC3. Data utilized to assist with evaluation of Big Questions #5, #6, #7, and #8.

Products
Tern and plover summary report presenting acres of on- and off-channel bare-sand habitat and Program defined "suitable" nesting habitat for 2013. Whooping crane summary report presenting acres of WC foraging and roosting habitat by habitat type for 2013.

Notes on Cost
Rainwater Basin Joint Venture (RBJV) was contracted during 2011 to complete habitat availability assessments for the Program through 2012. 2007-2012 assessments are now being completed, so the 2013 assessment will require a contract amendment with the RBJV. The cost covers one additional year (2013) of analysis using the same methods and deliverables outlined in the previous agreement for the 2007-2012 analyses between the RWBJV and the Program. The estimated time for completion of the least tern/plover and whooping crane analyses for 2013 is April 1, 2014. Estimated FY14 costs are:

Project Items	FY14 Cost
Tern and Plovers 2013 Analysis - technician time	7,000.00
Whooping Cranes 2013 Analysis	16,000.00
RWBJV Analyst: Quality Assessment/Control for Datasets - technician time	6,000.00
Computer Hardware Usage Fees	7,000.00
Total	**36,000.00**

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

PD-8		
Year	Approved	Estimated
2007	$ 150,000.00	$ -
2008	$ 159,000.00	$ -
2009	$ 200,000.00	$ -
2010	$ 370,000.00	$ -
2011	$ 140,000.00	$ -
2012	$ 165,615.18	$ -
2013	$ 130,000.00	$ -
2014	$ -	$ 105,000.00

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

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

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

Task Description
Ongoing database development and management by RTi. Tasks include basic maintenance and minimal development.

Linkage to AMP and Big Questions
System will house and manage all Program administrative and technical data.

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. The contract was awarded through a competitive procurement process in conformance with the Procurement policy. The contract was awarded in 2009. As the budget estimate is developed by using rates and the level of effort for similar work acquired for the Program through the competitive procurement process, and final negotiation and award of the contract was acquired through competition, the estimate for this work is considered fair and reasonable.

Specific FY14 tasks include:

- Website and database hosting with two virtual servers
- Server administration and maintenance
- Website and database administration and maintenance (including SharePoint administration)
- Routine maintenance on SQL server databases
- System support

Estimated FY14 costs for these tasks are detailed below:

Task	FY14 Cost	Description
System Support		
Hosting	$21,000	ISP Physical Hosting Cost (Fixed)
Maintenance	$41,252.65	Support and Maintenance (T&M)
Data Management	$30,098.50	SDR data maintenance (T&M)
Subtotal	$92,351.15	
Project Management	$8,852.50	Task oversight, reporting, meetings, etc. (T&M)
Total	**$101,203.65, round up to $105,000**	

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

Program First Increment Timeline
Annual

FY 2014 Start Date
April 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
ED Office; Program partners; Contractor

TP-1		
Year	Approved	Estimated
2007	$ 14,000.00	$ -
2008	$ 20,000.00	$ -
2009	$ 100,000.00	$ -
2010	$ 150,000.00	$ -
2011	$ 300,000.00	$ -
2012	$ 215,000.00	$ -
2013	$ 290,000.00	$ -
2014	$ -	$ 325,000.00

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 will be necessary to work with Program staff and partners to properly collect all data. Monitoring effort will remain elevated in FY2014 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.

Linkage to AMP and Big Questions
Data for evaluation of tern and plover priority hypotheses T1, P1, TP1, T2, and P2. Data utilized to assist with evaluation of Big Questions #6, #7, #8, and #10.

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

Notes on Cost
The EDO will seek a one-year contract extension with the USGS (current contractor) to provide tern/plover monitoring services for the Program in 2014. During 2014, the Program will evaluate the current monitoring protocol and may develop a revised approach to this monitoring effort for 2015 and beyond; a longer-term monitoring contractor secured through the competitive selection process will be sought starting in 2015. As the budget estimate is developed by using rates and the level of effort for similar work acquired for the Program through the competitive procurement process, the estimate for this work is considered fair and reasonable.

The GC-approved budget for tern and plover monitoring in 2013 was $260,000. That approved budget amount was based on the budget developed by the contractor at the time (2013) for performing field work and associated data logging and analysis as per the agreement with the Program. In 2013, budgeted tern/plover monitoring costs were detailed as follows:

Expense Line Item	Budgeted FY13 Cost
Salaries	$166,500
Vehicles & Travel	$11,500
Equipment & Supplies	$3,500
Facilities Overhead	$19,239
Cost Center Overhead	$27,769.50
Bureau Overhead	$27,412.02
Total PRRIP Budget	**$255,929.52**

Discussions with the USGS regarding their estimated costs for a ten-person crew to conduct tern/plover monitoring for the Program in 2014 indicate that Program costs for the monitoring should be rounded up to an estimate of between $265,000-$275,000 for FY14 due to increased personnel, travel, and equipment costs. Based on these discussions, the EDO estimates that FY14 tern/plover monitoring costs will be $275,000 to cover increased costs and any related eventualities. The specific budget will be negotiated with the contractor and the negotiated budget will not exceed the $275,000 estimate.

Predator trapping will be conducted under the existing agreement between the Program and USDA; the 2014 trapping effort will require a contract amendment with the USDA. Based on the current agreement with the USDA, trapping costs are expected to remain flat and are itemized in the agreement as follows:

Category	Estimated FY14 Cost
Salary/Benefits	$25,613.00
Vehicle/Transportation	$3,500.00
Travel Cost	$2,500.00
Equipment/Supplies	$5,000.00
Subtotal	**$36,613.00**
Pooled Costs (11%)	$4,027.00
Overhead (16.15%)	$5,913.00
Total not to exceed	**$46,553.00, round up to $50,000**

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

Program First Increment Timeline
Annual

FY 2014 Start Date
March 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
Contractor (WEST, Inc.; AIM Consultants subcontracted for field work)

WC-1		
Year	Approved	Estimated
2007	$ 130,000.00	$ -
2008	$ 130,000.00	$ -
2009	$ 150,000.00	$ -
2010	$ 150,000.00	$ -
2011	$ 170,000.00	$ -
2012	$ 225,091.00	$ -
2013	$ 290,000.00	$ -
2014	$ -	$ 275,000.00

Task Location
Central Platte River, NE

Task Description
2014 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 AMP and Big Questions
Data for evaluation of whooping crane priority hypotheses WC1 and WC3. Data utilized to assist with evaluation of Big Questions #5 and #10.

Products
Spring and fall report; data analysis.

Notes on Cost
The Program entered into a four-year contract spanning eight migration seasons (fall 2011 – spring 2015) with WEST. WEST analyzes and reports on data collected during the spring and fall migrations and subcontracts with AIM to perform field work (aerial flights, monitoring bird activity, collecting habitat metrics, etc.). This line item includes funds to cover additional costs associated with increasing the spring monitoring season by 15 days. The contract was awarded through the competitive procurement process in conformance with the Procurement policy. The most recent contract was awarded in 2012. As the budget estimate is developed by using rates and the level of effort for similar work acquired for the Program through the competitive procurement process, and final negotiation and award of the contract was acquired through competition, the estimate for this work is considered fair and reasonable.

The estimated budget for AIM field work and associated WEST data analysis in 2014 is detailed below:

FY14 Spring Whooping Crane Monitoring (AIM)	
Expense Category	**Estimated FY14 Cost**
Personnel	$103,250
Direct Costs (aircraft rental, mileage, GPS unit rental, radios, camera rental, PRRIP meeting attendance)	$47,493
Subtotal	$150,743
FY14 Fall Whooping Crane Monitoring (AIM)	
Personnel	$62,475
Direct Costs (aircraft rental, mileage, GPS unit rental, radios, camera rental, PRRIP meeting attendance)	$26,905
Subtotal	$89,380
FY14 Whooping Crane Monitoring Data Analysis (WEST)	
Time & Materials	$35,000
FY14 TOTAL	**$275,123, round down to $275,000**

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

Program First Increment Timeline
FY2011-FY2016

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

WC-3		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ 125,000.00	$ -
2009	$ 125,000.00	$ -
2010	$ 125,000.00	$ -
2011	$ 125,000.00	$ -
2012	$ 167,100.00	$ -
2013	$ 95,000.00	$ -
2014	$ -	$ 35,500.00

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.

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

Task Description
As per the Whooping Crane Tracking Project Partnership Agreement budget, these costs are for data download and data management costs.

Linkage to AMP and Big Questions
Data for evaluation of whooping crane priority hypotheses WC1 and WC3. Data utilized to assist with evaluation of Big Questions #5 and #10.

Products
Spring and fall migration reports and database through 2014.

Notes on Cost
This FY 2014 budget line item is for Program participation in the multi-year Whooping Crane Tracking Partnership. The Program entered into an agreement (2011-2019) with the Partnership during 2011 that allows the Program access to telemetry data and reports through 2019 and the ability to evaluate whooping crane response to management actions along the central Platte River. The Partnership and the telemetry project are led by the United States Geological Survey (USGS). Permission to sole source this contract was granted in 2011 by the Governance Committee due to the unique capabilities of the entities performing the work. Cost is a consideration in the sole source process and justification was provided to the Governance Committee. Although permission was granted to sole source this contract, the rates and level of effort were compared to contracts for similar work acquired by the Program through the competitive procurement process in order to ensure that the cost of this work is fair and reasonable.

As per the Whooping Crane Tracking Project Partnership Agreement signed by the Program, the table below describes estimated Program costs for each year of the project, including FY14. Even though the project extends through 2019, Program costs will only be incurred through 2016. The years 2017-2019 will focus on data reduction, analysis, and reporting.

A detailed cost breakdown for Program expenditures on this project is outlined in the table below:

Description	2011	2012	2013	2014	2015	2106	Total
Helicopter contract/Summer trapping	$42,000	$50,000	$0	$0	$0	$0	$92,000
GPS-PTT transmitters	$0	$90,000	$45,000	$0	$0	$0	$135,000
Logistical support for Texas trapping	$0	$10,000	$10,000	$0	$0	$0	$20,000
Data costs	$0	$12,100	$35,000	$30,500	$18,500	$6,400	$102,500
Data management	$0	$5,000	$5,000	$5,000	$5,000	$5,000	$25,000
Total	**$42,000**	**$167,100**	**$95,000**	**$35,500**	**$23,500**	**$11,400**	**$374,500**

PROGRAM TASK & ID: WC-6. Whooping Crane Stopover Site Evaluation Project

Program First Increment Timeline
FY2013-FY2016

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
Contractor (USGS; The Crane Trust sub-contracted for a portion of the fieldwork)

WC-6		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ -	$ -
2010	$ -	$ -
2011	$ -	$ -
2012	$ -	$ -
2013	$ 110,297.00	$ -
2014	$ -	$ 98,608.00

Task Location
Whooping crane migration corridor within a one-day's flight distance (600 miles) of the central Platte River.

Task Description
This is the Program's contribution for the second year of a three-year contract with the USGS for the USGS and the Trust (sub-contractor) to provide staff for a research study to evaluate habitat metrics at whooping crane stopover sites from northern Texas to North Dakota.

Linkage to AMP and Big Questions
Additional data for evaluating whooping crane priority hypotheses WC1 and WC3. Data will be utilized to refine the Program's habitat suitability criteria for whooping cranes and assist with evaluation of Big Questions #5 and #10.

Products
Stopover site data, annual report, and participation in the 2014 Adaptive Management Reporting Session.

Notes on Cost
In 2013 the Program entered into a four-year contract spanning six migration seasons (spring 2013 – fall 2015) with USGS; final analyses and reporting would occur under contract during 2016. The FY2014 budget line item would fund costs associated with data collection during the 2014 spring and fall migration seasons. USGS will analyze and report on data collected during the 2013 spring and fall migration seasons and would present findings at the 2014 Adaptive Management Plan Reporting Session. The total Program contribution to the four-year project is estimated at $307,513; out-year budgets will be approved annually by the GC.

As per the agreement with the USGS, a detailed cost breakdown for PRRIP expenditures on this project, including FY14, is provided in the table below:

Expense Line Item	2013	2014	2015	2016	Total
Salaries	$43,680	$43,680	$43,680	$0	$131,040
Travel	$24,900	$24,900	$24,900	$0	$74,700
Equipment & Supplies	$3,825	$500	$500	$0	$4,825
PRRIP computers (2)	$7,000	$0	$0	$0	$7,000
Data plans (2)	$1,200	$1,200	$1,200	$0	$3,600
Cost center rate 25.9%	$18,753	$17,892	$17,892	$0	$54,537
Bureau rate 12%	$10,939	$10,436	$10,436	$0	$31,811
Total PRRIP Budget	**$110,297**	**$98,608**	**$98,608**	**$0**	**$307,513**

Permission to sole source this contract was granted in 2012 by the Governance Committee due to the unique capabilities of the entities performing the work. Cost is a consideration in the sole source process and justification was provided to the Governance Committee. Although permission was granted to sole source this contract, the rates and level of effort were compared to contracts for similar work acquired by the Program through the competitive procurement process in order to ensure that the cost of this work is fair and reasonable.

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

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

ISAC-1		
Year	Approved	Estimated
2007	$ 75,000.00	$ -
2008	$ 115,000.00	$ -
2009	$ 70,000.00	$ -
2010	$ 150,000.00	$ -
2011	$ 185,000.00	$ -
2012	$ 185,000.00	$ -
2013	$ 221,000.00	$ -
2014	$ -	$ 200,000.00

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

Task Location
Basin meeting locations TBD

Task Description

ISAC Cost Item	Estimated FY14 Cost
ISAC meetings (face-to-face) – 6 members x 2 meetings x 4-day meetings (3 days of meeting, one day of travel) x $1,400 per member per day ($175/hour x 8-hour day)	**$67,200**
ISAC meetings (voice/Web) – 6 members x 3 GoTo meetings x 2-hour meetings x $175/hour/member	**$6,300**
ISAC mentoring – 2 emeritus members x 2 conference call x 2-hour calls x $175/hour/member	**$1,400**
ISAC chair – additional stipend to complete FY14 report to GC (10 days x $1,400/day)	**$14,000**
Document review – 10 days of review x 6 members x $1,400/day	**$84,000**
ISAC travel and other meeting expenses: • AMP Reporting Session – 6 members (4 days x $200 per diem/person + $750 travel) = $9,300 • Spring Meeting – 6 members (4 days x $200 per diem/person + $750 travel) = $9,300 • GoTo meetings expenses – 3 meetings x $2,500/meeting (conference call and web costs) = $5,000	**$23,600, round up to $24,000**
Total	**$196,900, round up to $200,000**

EDO proposes the following 2014 ISAC meeting schedule:

1) **ISAC meeting in Nebraska (April/May)** – field visits to implementation sites; possible field trip to other similar river systems (as discussed at October 2013 ISAC meeting; examples include Loup, Niobrara, and lower Platte); general discussion of key PRRIP issues

2) **AMP Reporting Session in Omaha, NE** (October) – ISAC interaction with EDO staff, Program participants, and contractors; review and discussion of 2014 "State of the Platte" Report; review and discussion of latest drafts of AMP documents
3) **Potential GoTo Meetings (voice and Web) –** Up to three GoTo Meetings as needed to discuss key issues via conference call and the Web

Linkages to AMP and Big Questions
Key element of independent scientific review of AMP, IMRP, management strategies, Big Questions, and associated priority hypotheses. Annual review of "State of the Platte" report

Products
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 2014.

Notes on Cost
The daily service rate for ISAC members is based on industry standard rates for individuals of the caliber and stature required for the ISAC. A review of standard rates for PhD-level independent science experts revealed rates routinely in the range of $150 to $250 on an hourly basis. We were able to negotiate an equivalent rate of $175/hour which is at the low end of that range.

Labor rates for ISAC members is compared against individuals of similar qualifications and experience that are part of consultant teams that are awarded contracts with the Program through competitive processes in conformance with the Procurement Policy. The level of effort is established by comparison of level of effort for similar tasks contained in contracts with consultants for the Program that were awarded through competitive processes in conformance with the Procurement Policy.

Travel costs are compiled based on air fares from the location the ISAC member starts their travel from to the location of the meetings, together with any mileage or surface travel costs that will be incurred. For ISAC members serving for more than one year, these costs can be estimated with great certainty based on the costs incurred from previous years. The locations for the ISAC meetings are always either Denver, CO; Kearney, NE; or Omaha, NE. Meal and lodging expenses are based on government per diem rates for specific cities or general regions adjusted as necessary to accommodate solicited quotes from the potential, probable venues for the meetings This compilation is made for each ISAC member for each meeting to arrive at the total. Costs are based on a market survey of lodging, meals, and transportation costs accounting for different points of origination of each individual and different locations for each session. Cost data from previous years factored into the process to develop a simplified, average cost approach.

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

PD-3		
Year	Approved	Estimated
2007	$ 50,000.00	$ -
2008	$ 105,000.00	$ -
2009	$ 50,000.00	$ -
2010	$ 50,000.00	$ -
2011	$ 115,000.00	$ -
2012	$ 90,000.00	$ -
2013	$ 108,000.00	$ -
2014	$ -	$ 318,500.00

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
December 31, 2014

Task Completed by
Contractor; peer review panelists

Task Location
Various locations of peer reviewers

Task Description
Peer review of up to eight (8) Program documents:

Linkage to AMP and Big Questions
Independent peer review of key documents to ensure projects are consistent with Program goals and objectives.

Products
Peer review reports for each reviewed document.

Notes on Cost
The Program utilizes a third-party independent contractor to assist with identifying potential peer review candidates and helping the EDO manage the peer review process. Atkins (formerly PBS&J) has been under contract with the Program to provide these services for the past three years, but that contract is up at the end of 2013 so a new contractor will be selected through the Program's competitive selection process to provide these Independent Science Review (ISR) services.

Peer review services under this contract will include:

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

Funding is also included for one GoTo meeting per peer review panel, to be facilitated by the EDO and the ISR contractor. This is a new step in the peer review process recommended by the ISAC in late 2013 to help improve the effectiveness and final products of the Program's peer review process.

Cost estimates are based on prior years' experience with peer review panels and with Atkins as the ISR contractor. Estimated costs for the ISR contractor to assist with peer review are $10,050/review. Peer review panel members are expected to be of the same caliber and stature as ISAC members. Thus, we used the ISAC rate of $1,400/day for roughly a five day period to estimate the stipend for serving as a Program peer review member – three days to review document(s) in question and two days to compile comments and submit those comments to the Program's ISR contractor. Final costs will be negotiated with the contractor selected through the Program's competitive selection process.

For FY14, estimated peer review expenses are:

Document	# Reviewers	per Reviewer Cost	Total Review Panel Cost	ISR Contractor Costs	Total Cost
Inundation risk memo	3	$7,000	$21,000	$10,050	$31,050
Elm Creek Proof of Concept final report	3	$7,000	$21,000	$10,050	$31,050
Geomorphology data analysis report	3	$7,000	$21,000	$10,050	$31,050
LiDAR imagery results	3	$7,000	$21,000	$10,050	$31,050
Lateral erosion final report	3	$7,000	$21,000	$10,050	$31,050
Watson memo, "Management of the Platte River for braided planform"	3	$7,000	$21,000	$10,050	$31,050
Flow consolidation final report	3	$7,000	$21,000	$10,050	$31,050
Whooping crane data analysis	3	$7,000	$21,000	$10,050	$31,050
EDO analysis from 1998 aerial imagery	3	$7,000	$21,000	$10,050	$31,050
Wet meadows hydrology monitoring plan	3	$7,000	$21,000	$10,050	$31,050
GoTo meetings with peer reviewers	8	$0	$1,000	$0	$8,000
				Total	**$318,500**

NOTE: In past years, this line item included estimated budget/costs for the third-party ISR neutral to assist with identifying potential new ISAC members to replace those ISAC members rotating off the panel at the end of the year. For 2014, the EDO proposes to not rotate the last two original members of the ISAC (Marmorek and Galat) off the ISAC as scheduled as a cost-savings mechanism but also to retain a higher degree of institutional memory and experience on the ISAC at least through 2015. Regular annual rotation of two ISAC members can begin again at the end of 2015 or later.

PROGRAM TASK & ID: PD-11. AMP Reporting

PD-11		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ 10,000.00	$ -
2009	$ 10,000.00	$ -
2010	$ 70,000.00	$ -
2011	$ 25,000.00	$ -
2012	$ 25,000.00	$ -
2013	$ 25,000.00	$ -
2014	$ -	$ 14,000.00

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
May 31, 2014

Task Completed by
ED Office; TAC

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

Task Description
AMP Reporting Session in Denver, CO

Linkage to AMP and Big Questions
Evaluation of AMP experimental design, 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. Group discussion of all Big Questions and 2014 "State of the Platte" Report with ISAC, TAC, Program contractors, Program special advisors, and EDO.

Products
AMP Reporting Session in Omaha, NE and 2014 State of the Platte Report

Notes on Cost
Evaluation of AMP experimental design, 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. Group discussion of all Big Questions and 2014 "State of the Platte" Report with ISAC, TAC, Program contractors, Program special advisors, and EDO. AMP-related contractors will be required to attend the AMP Reporting Session (tentatively October 2014 in Omaha) so travel and associated meeting expenses will generally be covered if not already covered under existing contracts/agreements. Cost estimate based on previous years' costs. Estimated FY14 costs include:

Expense Category	Estimated FY14 Cost
Room rental/equipment	$2,000
Breaks/working meals	$3,000
Lodging/travel for contractors (6 contractors x $1,500/contractor – $1,000 airfare/parking/mileage, $300 lodging, $200 meals and miscellaneous)	$9,000
Total	**$14,000**

General Notes on Meeting Costs

Because each meeting may be held in a different location (different cities and different hotels) a range of meeting room costs are possible. The typical range of room rental rates is $500 to $750/day. The typical rate for providing refreshments (coffee, sodas, juices), morning or afternoon break foods (rolls, fruit, cookies), and box lunches (if the agenda calls for a working lunch) can vary considerably by location, the range of options selected, and the number of people attending. For planning purposes, a rate range of $250 to $500 per meeting is used. Equipment costs for projector and screens and polycom conference phones vary considerable depending on location. Projector/screen costs can range from $50 to $250 per day. Polycom conference phones with microphone extension costs can range from $50 to $100 per day. Conference call costs are broken down in the table by number, rate, and duration of calls, the number and duration are estimated based on experience and the rate is set by contract with the provider.

PROGRAM TASK & ID: PD-21. PRRIP Publications

Program First Increment Timeline
Annual

FY 2014 Start Date
January 1, 2014

FY 2014 End Date
May 31, 2014

Task Completed by
ED Office; TAC

PD-21		
Year	Approved	Estimated
2007	$ -	$ -
2008	$ -	$ -
2009	$ -	$ -
2010	$ -	$ -
2011	$ -	$ -
2012	$ -	$ -
2013	$ -	$ -
2014	$ -	$ 20,000.00

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

Task Description
Development of PRRIP-related manuscripts for publication in refereed journals.

Linkage to AMP and Big Questions
Publication is an integral part of ensuring important Program documents and data sets receive peer review beyond the PRRIP peer review process and can be utilized in the decision-making process.

Products
Published journal manuscripts.

Notes on Cost
Per manuscript costs based on professional publication experience of EDO staff. Estimate $2,500 per manuscript; costs could be higher or lower depending on the journal. For 2014, the EDO expects to draft and seek publication of at least eight manuscripts including:

Potential Manuscript	Estimated FY14 Publication Cost
Stage change study	$2,500
Estimated tern and plover breeding pairs on the central Platte River	$2,500
Tern and plover habitat suitability criteria and habitat availability results	$2,500
Whooping crane habitat suitability criteria and habitat availability results	$2,500
Tern and plover off-channel habitat selection	$2,500
Whooping crane habitat selection	$2,500
2012 forage fish analysis report	$2,500
Lingle 2004 nest data compilation	$2,500
Total	**$20,000**

APPENDIX A

PRRIP FY2014 Annual Land Work Plan

2014 Land Budget Overview

Platte River Recovery Implementation Program

For More Information Contact: Jerry F. Kenny, kennyj@headwaterscorp.com, (308) 237-5728

2014 Budget Overview by Budget Line Item

Budget Line Item	Description	Estimated Expenditure
LP-2	Adaptive Management Species Habitat Actions*	$432,080
LP-3	New Land Acquisitions	$1,000,000
LP-4	Property Maintenance & Agricultural Operations**	$192,500
LP-6	Land Plan Special Advisors	$80,000
LP-7	Public Access Management	$50,000
PD-13	Sediment Augmentation Management Experiment***	$500,000
IMRP-5	Shoemaker Island FSM "Proof of Concept" Man. Experiment***	$339,900

**Includes$50,000 in LP-2 for new acquisitions in 2013.*
***Includes $50,000 in LP-4 for new acquisitions in 2013.*
****These budget items have not been reviewed by the LAC and may be revised subsequent to LAC approval of land budget items.*

2014 Budget Overview by Complex

Complex	Estimated Expenditure	Estimated Income
Non- Complex Tracts	$78,300	$45,600
Plum Creek "Complex"	$317,800	$17,204
Cottonwood Ranch Complex	$322,120	$24,000
Elm Creek Complex	$170,420	$38,555
Fort Kearny Complex	$58,340	$50,810
Shoemaker Island Complex	$417,500	$38,900
New Acquisitions (Estimated 4)	$100,000*	N/A
Total	**$1,464,480**	**$215,069**

**$50,000 for maintenance and $50,000 for species habitat*

The Program is also planning to divest of excess portions of two non-complex tracts in 2013. The proceeds from those potential land sales are not included in the income estimates above.

2014 Budget Priority Areas by Budget Line Item

LP-2 – Adaptive Management Species Habitat Actions: Species habitat priorities for 2014 are focused on maintenance of complex and non-complex habitat as well as enhancement of off-channel palustrine wetland habitat for whooping cranes at newly acquired palustrine wetland sites.

LP-3 – New Land Acquisitions: The majority of complex and non-complex sand bit habitat lands have been acquired. As such, 2014 priorities will include acquisition of lands for non-complex palustrine wetlands as well as acquisition of remaining complex habitat acres in a bridge segment that currently does not have a habitat complex.

LP-4 – Property Maintenance & Agricultural Operations: 2014 priorities include maintenance of basic land infrastructure such as facilities, roads, and fences as well as fulfilling basic ownership obligations like noxious weed control and ROW mowing.

LP-6 – Land Plan Special Advisors: Priorities for special advisors include administration of agricultural leases and associated FSA obligations, crop management and marketing, and assistance in cropland conversions.

LP-7 – Public Access Management: Nebraska Game and Parks Commission will manage public access to Program lands in 2014.

PD-13 – Sediment Augmentation: The 2014 priority for sediment augmentation is implementation of full-scale augmentation at the Plum Creek and Cottonwood Ranch complexes. The augmentation will be rigorously monitored to determine if augmentation methods are performing satisfactorily and/or there are negative in-channel impacts from augmentation.

IMRP-5 – Shoemaker Island FSM "Proof of Concept" Management Experiment: The priority in 2014 will be implementation of the second year of the FSM "Proof of Concept" management experiment at the Shoemaker Island Complex. Activities will include 2-D hydraulic and sediment transport modeling to predict FSM performance as well as implementation of geomorphology, vegetation, and sediment monitoring.

2014 Non-Complex Properties Annual Work Plan (2009008, 2010002, 2011001, 2011002 2012004 & 2013001)

Platte River Recovery Implementation Program

For More Information Contact: Jerry F. Kenny, kennyj@headwaterscorp.com, (308) 237-5728

General Priorities

- ***Good Neighbor Policy*** *– Conduct all actions in accordance with Program's good neighbor policy.*
- ***Restoration and Maintenance Planning*** *– Develop Restoration and Maintenance Plan for Tracts 2011002 and 2013001.*
- ***Excess Property Disposal*** *– Complete disposal of excess non-complex acres on Tracts 2009008 and 2011001.*

Adaptive Management Priorities

- ***Riverine versus Off-Channel Whooping Crane Roosting*** *– Monitor whooping crane use on Program riverine habitat and non-complex off-channel palustrine wetland habitat.*
- ***Riverine versus Off-Channel Tern and Plover Nesting*** *– Monitor tern and plover use and productivity on Program riverine habitat and nearby non-complex off-channel sand & water nesting habitat.*

Species Habitat Priorities

- ***Maintain Suitable Off-Channel Sand and Water Nesting Habitat*** *– Apply pre-emergent herbicide on Tracts 2009008, 2010002, and 2011001 OCSW nesting habitat to prevent vegetation encroachment into nesting areas.*
- ***Maintain Suitable Palustrine Wetland Roosting Habitat –*** *Manage woody vegetation in the palustrine wetland areas of Tracts 2012004 and 2013001 and maintain suitable herbaceous vegetation height for whooping crane roosting. Increase palustrine wetland footprint on Tract 2013001 through installation of water control structures.*
- ***Protecting Other Species of Concern*** *– Identify presence of and determine methods to protect other species of concern during implementation of land-related* activities.

Operations and Maintenance Priorities

- ***Basic Property Maintenance Obligations and Needs*** *– Fulfill basic property ownership obligations and needs including boundary fence signage, road maintenance, and noxious weed control.*
- ***Agricultural Operations*** *– Oversight of crop leases on Tracts 2009008, 2012004 and 2013001 and hay lease on Tract 2011001.*
- ***Sand and Gravel Mining Operations –*** *Monitor sand and gravel mining operations on Tracts 2009008 and 2011002.*

NOTE: The budget section of this work plan only contains information for work items that are specific to these tracts. As such, tract-specific research and monitoring actions are presented but system-scale actions like target species and geomorphology/vegetation monitoring are not.

Priority Area: *General*
Item(s): *Land Interest and Tract-Level Restoration and Maintenance Planning*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
NC1	Initiate restoration and maintenance planning effort for Tracts 2011002 and 2013001.	1/1/14-5/1/14	JB	N/A	N/A
NC2	Coordination of Program land actions with neighboring landowners	Annual	BS	N/A	N/A
NC3	Complete disposal of excess acres at Tracts 2009008 and 2011001.	1/1/14– 6/1/14	BS	N/A	N/A

Priority Area: *Species Habitat*
Item(s): *Maintain Suitable Off-Channel Sand and Water Habitat*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
NC4	Herbicide applications on OCSW peninsulas to maintain bare sand nesting habitat[1]	4/2014 & 9/2014	TT	$8,000	LP-2

Priority Area: *Species Habitat*
Item(s): *Maintain Suitable Palustrine Wetland Habitat*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
NC5	Manage herbaceous vegetation in palustrine wetland area of Tract 2012004[2]	3/1/14 – 3/23/14	TT	$13,800	LP-2
NC6	Irrigation well pumping to augment water level in wetland area of Tracts 2012004 and 2013001[3]	3/1/14 – 3/23/14	TT	$10,000	LP-2
NC7	Palustrine wetland enhancements on Tract 2013001[4]	5/1/14-7/1/14	JB	$30,000	LP-2

Priority Area: *Species Habitat*
Item(s): *Other Species of Concern*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
NC8	Habitat and species surveys on properties where work will occur	As Needed	DB	N/A	N/A
NC9	Coordination with USFWS and NGPC to identify and mitigate potential impacts associated with 2014 land activities	1/1/14 – 4/1/14	TBD	N/A	N/A

Priority Area: *Operations and Maintenance*
Item(s): *Basic Property Maintenance Obligations and Needs*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
NC10	Fence and road maintenance[5]	Annual	TT	$12,500	LP-4
NC11	Noxious weed control[6]	6/1/14 – 8/31/14	TT	$3,000	LP-4
NC12	Mowing[7]	7/15/14- 10/15/14	TT	$1,000	LP-4

Priority Area: *Operations and Maintenance*
Item(s): *Agricultural Operations*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
NC13	Oversight of grazing and cropland leases	Annual	TT	N/A	N/A
NC14	Oversight of sand and gravel mining operations	Annual	BS	N/A	N/A

[1] Based on 2013 herbicide application costs
[2] Based on estimated 69 acres of transitional wetland vegetation removal ($200/AC for shredding/ mulching)
[3] Based on 2012 estimate for pumping at Tract 2010001
[4] Based on engineer estimate for wetland enhancement
[5] Based on $12,000 for miscellaneous fence repair/ construction and $500 for road grading
[6] Based on 2013 noxious weed control costs
[7] Based on 2013 mowing costs

Personnel Responsibility Key:

BS – Bruce Sackett (Land Specialist)
DB – David Baasch (Biologist)
JB – Justin Brei (Biosystems Engineer)
TT – Tim Tunnell (Land Manager)
JF – Jason Farnsworth (Technical Support Services)

Property Identification Key:

2009008 – PRRIP Broadfoot Newark Tract
2010002 – Broadfoot Kearney South Tract
2011001 – PRRIP Leaman Tract
2011002 – PRRIP Follmer Tract
2012004 – PRRIP DeBore Tract
2013001 – PRRIP Liehs Tract

2014 Non-Complex Tracts Budget Summary

Estimated 2014 Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Species Habitat	Non-Complex Habitat Restoration and Maintenance	LP-2	$61,800
Operations and Maintenance	Property Maintenance and Agricultural Operations	LP-4	$16,500
		Total	**$78,300**

Estimated 2014 Revenues

Priority Area	Item	Estimated Income
Operations and Maintenance	Tract 2009008 Sand & Gravel Royalties	$12,000
Operations and Maintenance	Tract 2009008 Cropland Income (43 acres)	$8,600
Operations and Maintenance	Tract 2011002 Sand & Gravel Royalties	$4,000
Operations and Maintenance	Tract 2012004 Cropland Income	$3,000
Operations and Maintenance	Tract 2012004 Grazing Income	$3,000
Operations and Maintenance	Tract 2013001 Cropland Income	$15,000

2014 Plum Creek "Complex" Annual Work Plan

Platte River Recovery Implementation Program

For More Information Contact: Jerry F. Kenny, kennyj@headwaterscorp.com, (308) 237-5728

General Priorities

- ***Good Neighbor Policy*** *– Conduct all actions in accordance with Program's good neighbor policy.*
- ***Complex-Level Planning*** *– Develop Complex Restoration and Management Plan following completion of sediment augmentation trial-scale management experiment implementation.*

Adaptive Management Priorities

- ***Sediment Augmentation Management Experiment –*** *Implementation of full-scale sediment augmentation to offset sediment deficit.*

Species Habitat Priorities

- ***Improve Target Species Sand and Water Habitat*** *–Application of pre-emergent herbicide on OCSW peninsulas and in-channel islands to maintain tern and plover nesting habitat. Control in-channel vegetation to prevent further degradation of in-channel habitat.*
- ***Protecting Other Species of Concern*** *– Identify presence of and determine methods to protect other species of concern during implementation of land-related* activities.
- ***Whooping Crane Grassland/ Wet Meadow Habitat-*** *Prescribed burn on grasslands in spring 2014.*

Operations and Maintenance Priorities

- ***Basic Property Maintenance Obligations and Needs*** *– Fulfill basic property ownership obligations and needs including lodge and quonset maintenance, boundary fence signage, road maintenance, and noxious weed control.*
-
- ***Agricultural Operations*** *– Oversight of grazing lease on Tract 2009003. Oversight of cropland/hay leases on Tract 2009007.*

NOTE: The budget section of this work plan only contains information for work items that are specific to this complex. As such, complex-specific research and monitoring actions are presented but system-scale actions like target species and geomorphology/vegetation monitoring are not.

Priority Area: *General*
Item(s): *Complex Land Interest and Complex-Level Planning*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PC1	Coordination of Program land actions with neighboring landowners	Annual	BS	N/A	N/A
PC2	Coordinate with NPPD to identify and mitigate potential impacts to leased NPPD nesting islands	1/1/14– 4/1/14	JF	N/A	N/A

Priority Area: *Adaptive Management*
Item(s): *Sediment Augmentation Experiment*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PC3	Implementation of full-scale sediment augmentation management experiment[1]	1/1/14 – 5/31/14	JF	$250,000	PD-13

Priority Area: *Species Habitat*
Item(s): *Improve Target Species Sand and Water Habitat*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PC4	Herbicide applications on OCSW peninsulas to maintain bare sand nesting habitat[2]	4/2014 & 9/2014	TT	$3,500	LP-2
PC5	Disking if necessary to provide in-channel vegetation control[3]	9/1/14 – 10/1/14	TT	$8,000	LP-2

Priority Area: *Species Habitat*
Item(s): *Whooping Crane Grassland / Wet Meadow Habitat*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PC6	Prescribe burn of grassland units south of the channel[4]	3/15/14 – 4/7/14	TT	$13,800	LP-2

Priority Area: *Species Habitat*
Item(s): *Other Species of Concern*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PC7	Habitat and species surveys on properties where work will occur	As Needed	DB	N/A	N/A
PC8	Coordination with USFWS and NGPC to identify and mitigate potential impacts associated with 2012 land activities	1/1/14 – 4/1/14	TBD	N/A	N/A

Priority Area: *Operations and Maintenance*
Item(s): *Basic Property Maintenance Obligations and Needs*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PC9	Fence and road maintenance[5]	Annual	TT	$2,500	LP-4
PC10	Noxious weed control[6]	6/1/14 – 8/31/14	TT	$7,500	LP-4
PC11	Livestock grazing facility improvements[7]	7/15/14 – 10/1/14	TT	$26,500	LP-4
PC12	Lodge and Quonset utilities and maintenance[8]	Annual	TT	$5,000	LP-4
PC13	Mowing[9]	7/15/14- 10/15/14	TT	$1,000	LP-4

Priority Area: *Operations and Maintenance*
Item(s): *Agricultural Operations*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PC14	Oversight of grazing and cropland leases	Annual	TT	N/A	N/A

[1]Based on estimated typical unit cost of mechanical augmentation
[2] Based on 2013 herbicide application costs
[3] Approx. 40 hours of in-channel disking at $200/hr.
[4] Burn unit area of 230 acres at $60/ac
[5] Based on 2013 maintenance costs for Plum Creek Complex
[6] Based on 2013 noxious weed control costs for Plum Creek Complex
[7] Approx. 5,000 LF of fence on Tract 2009003 and 7,000 LF of fence on Tract 2009007 at $2.00/LF and $2,500 for installation of watering facilities on Tract 2009003 (based on watering facility costs at Cottonwood Ranch Complex)
[8] Based on 2013 lodge and Quonset utility costs and estimated cost for interior and exterior repairs and maintenance
[9] Based on 2013 mowing costs

Personnel Responsibility Key:

BS – Bruce Sackett (Land Specialist)
DB – David Baasch (Biologist)
TT – Tim Tunnell (Land Manager)
JF – Jason Farnsworth (Technical Support Services)

Property Identification Key:

2009003 – PRRIP Dyer Tract
2009007 – PRRIP Cook Tract

2014 Plum Creek Complex Budget Summary

Estimated 2014 Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Adaptive Management	Sediment Augmentation Management Experiment	PD-13	$250,000

Species Habitat	Target Species Sand and Water Habitat	LP-2	$11,500
Species Habitat	Whooping Crane Wet Meadow/Grassland Habitat	LP-2	$13,800
		Subtotal	***$25,300***

Operations and Maintenance	Property Maintenance and Agricultural Operations	LP-4	$42,500
		Total	**$317,800**

Estimated 2014 Revenues

Priority Area	Item	Estimated Income
Operations and Maintenance	Tract 2009003 Grazing Income	$4,950
Operations and Maintenance	Tract 2009007 Haying Income	$1,700
Operations and Maintenance	Tract 2009007 Cropland Income	$10,554

2014 Cottonwood Ranch Complex Annual Work Plan

Platte River Recovery Implementation Program

For More Information Contact: Jerry F. Kenny, kennyj@headwaterscorp.com, (308) 237-5728

General Priorities

- ***Good Neighbor Policy*** *– Conduct all actions in accordance with Program's good neighbor policy.*
- ***Management Updates*** *– Develop complex restoration and management plan and update operations and maintenance plan for Tract 2008002.*

Adaptive Management Priorities

- ***Riverine versus Off-Channel Tern and Plover Nesting*** *– Monitor tern and plover use and productivity on Program riverine habitat and nearby off-channel sand & water nesting habitat (OCSW nesting complex on CWR property).*
- ***Full-Scale Sediment Augmentation Management Experiment*** *– Implement full-scale augmentation in the form of mechanical channel widening. Monitor performance of augmentation.*

Species Habitat Priorities

- ***Improve Target Species Sand and Water Habitat*** *– Application of pre-emergent herbicide on cleared areas and tern and plover nesting islands, and in-channel discing as necessary to control vegetation.*
- ***Management of grassland/wet meadow habitat for whooping cranes and sandhill cranes*** *– Implementation of prescribed fire and grazing rotation in Section 16 T8N R19W (Tracts 2008002 and 2010001) to provide short grassland structure on ¼ of area during spring and fall crane migrations.*
- ***Protecting Other Species of Concern*** *– Identify presence of and determine methods to protect and/or benefit other species of concern while implementing land-related activities.*

Operations and Maintenance Priorities

- ***Basic Property Maintenance Obligations and Needs*** *– Fulfill basic property ownership obligations and needs on Tracts 2008002, 2009006, and 2010001 including fence and road maintenance and noxious weed control.*
- ***Agricultural Operations*** *– Oversight of grazing/ haying leases on Tracts 2009006 and 2010001.*

NOTE: The budget section of this work plan only contains information for work items that are specific to this complex. As such, complex-specific research and monitoring actions are presented but system-scale actions like target species and geomorphology/vegetation monitoring are not.

Priority Area: *General*
Item(s): *Complex Land Interest and Good Neighbor Policy*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CR1	Coordination of Program land actions with neighboring landowners	1/1/14– 12/31/14	BS	N/A	N/A
CR2	Develop complex plan and update operations plan for Tract 2008002.	1/1/14 – 8/1/14	JB	N/A	N/A

Priority Area: *Adaptive Management*
Item(s): *Full-Scale Sediment Augmentation Management Experiment*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CR3	Full-scale sediment augmentation implementation and monitoring[1]	1/1/14 – 12/31/14	CS	$250,000	PD-13

Priority Area: *Species Habitat*
Item(s): *Target Species Sand and Water Habitat*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CR4	Tract 2008002 Pre-emergent herbicide application on in-channel tern and plover nesting habitat and OCSW complex[2]	4/1/14 – 4/30/14	TT, JJ	$9,500	LP-2
CR5	Disking if necessary to provide in-channel vegetation control[3]	9/1/14 – 10/1/14	TT	$8,000	LP-2

Priority Area: *Species Habitat*
Item(s): *Whooping Crane Grassland / Wet Meadow Habitat*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CR6	Tract 2008002 Prescribed burn on NE ¼ of Section 16 T8N R19W[4]	3/15/14 – 4/7/14	TT	$9,600	LP-2
CR7	Tract 2010001 Annual electrical service fee at pump at irrigation well on SW ¼ to supplement water to wetland[5]	3/15/14-5/15/14, 10/1/14-11/15/14	TT	$5,000	LP-2
CR8	Tract 2010001 - Prescribed burn on Morse-middle unit and restored crop field[6]	3/15/14 – 4/7/14	TT	$14,400	LP-2
CR9	Tract 2008002 - Grass seeding of 2012 forest clearing area south of OCSW[7]	4/15/14- 5/15/14	TT	$6,120	LP-2

Priority Area: *Species Habitat*
Item(s): *Other Species of Concern*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CR10	Habitat and species surveys on properties where work will occur	As Needed	DB	N/A	N/A
CR11	Coordination with NPPD, USFWS and NGPC to identify and mitigate potential impacts associated with 2014 land activities	As Needed	TBD	N/A	N/A

Priority Area: *Operations and Maintenance*
Item(s): *Basic Property Maintenance Obligations and Needs*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CR12	Boundary fence and road maintenance[8]	1/1/14 – 12/31/14	TT, JJ	$9,000	LP-4
CR13	Noxious weed control[9]	4/1/14– 9/30/14	TT, JJ	$9,500	LP-4
CR14	Mowing[10]	7/15/14 – 11/1/14	TT	$1,000	LP-4

Priority Area: Operations and Maintenance
Item(s): *Agricultural Operations*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CR15	Tract 2009006 grazing lease oversight	5/15/14-10/15/14	TT	N/A	N/A
CR16	Tract 2010001 grazing lease oversight	5/15/14-10/15/14	TT	N/A	N/A
CR17	Tract 2010001 haying lease oversight	7/15/14-10/15/14	TT	N/A	N/A

[1] Based on estimated typical unit cost of mechanical augmentation
[2] Based on 2013 costs
[3] Approx. 40 hours of in-channel disking at $200/HR
Burn unit area of 160 acres at $60/AC
[5] Based on 2011 well repair costs at Fort Kearny Complex
[6] Burn unit area of 240 acres at $60/AC
[7] Based on seed estimate for 51 acres @ $80/AC for seed and $40/AC for drilling
[8] Based on 2013 costs
[9] Based on 2013 costs
[10] Based on 2013 costs

Personnel Responsibility Key:

JJ – Jim Jenniges (NPPD)
BS – Bruce Sackett (Land Specialist)
DB – David Baasch (Wildlife Biologist)
TT – Tim Tunnell (Land Manager)
JB – Justin Brei (Biosystem Engineer)
JF – Jason Farnsworth (Technical Support Services)
CS – Chad Smith (Director of Natural Resources)

Property Identification Key:

2008002 – NPPD Cottonwood Ranch
2009006 – PRRIP Stall Tract
2010001 – PRRIP Morse Tract

2014 Cottonwood Ranch Budget Summary

Estimated 2014 Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Adaptive Management	Full-Scale Sediment Augmentation Management Experiment	PD-13	$250,000
Adaptive Management & Species Habitat	Target Species Sand and Water Habitat	LP-2	$17,500
Species Habitat	Grassland / Wet Meadow Habitat	LP-2	$35,120
		Subtotal	***$52,620***
Operations and Maintenance	Property Maintenance Obligations and Needs	LP-4	$19,500
		Total	**$322,120**

Estimated 2014 Revenues to Program

Priority Area	Item	Estimated Income
Agricultural Operations	Tract 2009006 Grazing Lease Income	$4,000
Agricultural Operations	Tract 2010001 Grazing Lease Income	$15,000
Agricultural Operations	Tract 2010001 Haying Lease Income	$5,000

2014 Elm Creek Complex Annual Work Plan

Platte River Recovery Implementation Program

For More Information Contact: Jerry F. Kenny, kennyj@headwaterscorp.com, (308) 237-5728

General Priorities

- ***Good Neighbor Policy*** *– Conduct all actions in accordance with Program's good neighbor policy.*

Adaptive Management Priorities

- ***Tern and Plover Riverine Habitat Experiment*** *– Maintenance of in-channel nesting islands constructed in 2012.*
- ***Whooping Crane Riverine Habitat Experiment*** *– Vegetation control in and adjacent to channel to maintain a range of unobstructed view widths above the Program's minimums.*
- ***Riverine versus Off-Channel Tern and Plover Nesting*** *– Monitor tern and plover use and productivity on Program riverine habitat and nearby off-channel sand & water nesting habitat (NPPD's Blue Hole sandpit and Johnson Sandpit).*

Species Habitat Priorities

- ***Maintain Target Species Sand and Water Habitat*** *– Create and maintain sand and water habitat for species through construction of in-channel nesting islands and vegetation control to maintain active channel width and unobstructed view widths.*
- ***Protecting Other Species of Concern*** *– Identify presence of and determine methods to protect and/or benefit other species of concern while implementing land-related activities.*

Operations and Maintenance Priorities

- ***Basic Property Maintenance Obligations and Needs*** *– Fulfill basic property ownership obligations and needs on Tracts 2009002, 2009005, 2012001 and 2012002.*
- ***Agricultural Operations*** *– Oversight of grazing/ haying lessee on Tracts 2009005, 2012001 and 2012002.*

NOTE: The budget section of this work plan only contains information for work items that are specific to this complex. As such, complex-specific research and monitoring actions are presented but system-scale actions like target species and geomorphology/vegetation monitoring are not.

Priority Area: *General*
Item(s): *Complex Land Interest and Good Neighbor Policy*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
EC1	Coordination of Program land actions with neighboring landowners	1/1/14 – 12/31/14	BS	N/A	N/A

Priority Area: *Adaptive Management & Target Species Habitat*
Item(s): *Tern, Plover and Whooping Crane Riverine Habitat Experiments*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
EC2	Herbicide applications on islands to maintain bare sand nesting habitat[1]	4/2014 & 9/2014	TT	$4,500	LP-2
EC3	In-channel cross disking (below diversion) and overbank mowing to maintain active channel and unobstructed view widths[2]	9/1/14– 10/1/14	TT	$10,000	LP-2

Priority Area: *Species Habitat*
Item(s): *Whooping Crane Grassland / Wet Meadow Habitat*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
EC4	Tract 2012002 Prescribed burn[3]	3/15/14–4/14	TT	$10,920	LP-2
EC5	Tracts 2012002 wetland checks installation/ modifications?[4]	7/15/14- 10/15/14	JB	$100,000	LP-2
EC6	Tract 2012002 Brush herbicide/ mulching treatment[5]	8/15/14-10/15/14	TT	$20,000	LP-2

Priority Area: *Species Habitat*
Item(s): *Other Species of Concern*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
EC7	Habitat and species surveys on properties where work will occur	As Needed	DB	N/A	N/A
EC8	Coordination with USFWS and NGPC to identify and mitigate potential impacts associated with 2014 land activities	As Needed	TBD	N/A	N/A

Priority Area: *Operations and Maintenance*
Item(s): *Basic Property Maintenance Obligations and Needs*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
EC9	Tract 2009002 building utilities and maintenance[6]	1/1/14 – 12/31/14	TT	$3,000	LP-4
EC10	Fence and road maintenance[7]	4/1/14 – 10/1/14	TT	$6,000	LP-4
EC11	Mowing[8]	7/15/14 – 11/1/14	TT	$1,000	LP-4
EC12	Noxious weed control[9]	6/1/14 – 8/31/14	TT	$10,000	LP-4
EC13	Tract 2012002 Install 2- 1 acre grazing exclosures[10]	1/15/14-4/15/14	TT	$5,000	LP-4

Priority Area: *Operations and Maintenance*
Item(s): *Agricultural Operations*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
EC14	Tract 2009002 crop oversight	5/15/14 - 10/15/14	TT	N/A	N/A
EC15	Tract 2009005 grazing lease oversight	5/15/14 - 10/15/14	TT	N/A	N/A
EC16	Tract 2012001 haying lease oversight	5/15/14 - 10/15/14	TT	N/A	N/A
EC17	Tract 2012002 grazing lease oversight	5/15/14 - 10/15/14	TT	N/A	N/A
EC18	Tract 2012002 crop share oversight	5/15/14 - 10/15/14	TT	N/A	N/A

[1] Based on 2013 costs
[2] Approx. 50 hours of in-channel disking at $200/hr.
[3] Burn unit area of 182 acres at $60/ac
[4] Engineers estimate from management plan
[5] Based on a cost estimate of $100/ acre for chemical application and mulching on 200 acres
[6] Based on 2013 costs
[7] Based on 2013 costs
[8] Based on 2013 costs
[9] Based on 2013 costs
[10] Based on 1670 LF of fence at $3.00/LF

Personnel Responsibility Key:

BS – Bruce Sackett (Land Specialist)
DB – David Baasch (Wildlife Biologist)
TT – Tim Tunnell (Land Manager)
JB – Justin Brei (Biosystems Engineer)
JF – Jason Farnsworth (Technical Support Services)

Property Identification Key:
2009002 – PRRIP Bartels Tract
2009005 – PRRIP McCormick Tract
2012001 – PRRIP Sullwold Tract
2012002 – PRRIP Johns Tract

2014 Elm Creek Complex Budget Summary

Estimated 2014 Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Adaptive Management & Species Habitat	*Tern, Plover and Whooping Crane Habitat Experiments*	LP-2	$14,500
Species Habitat	*Whooping Crane Grassland / Wet Meadow Habitat*	LP-2	$130,920
		Subtotal	***$145,420***
Operations and Maintenance	Property Maintenance Obligations and Needs	LP-4	$25,000
		Total	**$170,420**

Estimated 2014 Revenues

Priority Area	Item	Estimated Income
Operations and Maintenance	Tract 2009002 Crop income	$7,930
Operations and Maintenance	Tract 2009005 Grazing Lease Income	$2,000
Operations and Maintenance	Tract 2012001 Haying lease income	$3,000
Operations and Maintenance	Tract 2012002 Grazing lease income	$9,625
Operations and Maintenance	Tract 2012002 Crop income	$16,000

2014 Fort Kearny Complex Annual Work Plan

Platte River Recovery Implementation Program

For More Information Contact: Jerry F. Kenny, kennyj@headwaterscorp.com, (308) 237-5728

General Priorities

- ***Good Neighbor Policy*** *– Conduct all actions in accordance with Program's good neighbor policy.*
- ***Complex-Level Planning –*** *Development of operations and maintenance plans for Tract 2012003.*

Adaptive Management Priorities

- ***Tern and Plover Riverine Habitat Experiment*** *– Design of in-channel nesting islands and targeted tree clearing to increase distance to visual obstructions and predator roost habitat.*
- ***Whooping Crane Riverine Habitat Experiment*** *– Design of vegetation clearing to provide a range of unobstructed view widths above the Programs minimums.*

Species Habitat Priorities

- ***Improve Target Species Sand and Water Habitat*** *– Increase available sand and water habitat for species through design and construction of tern and plover and whooping crane experiments, which will create habitat that meets Program criteria.*
- ***Protecting Other Species of Concern*** *– Identify presence of and determine methods to protect and/or benefit other species of concern while implementing land-related activities.*
- ***Reduce Known Threats to Target Species*** *– Investigate relocation or burial options of power line servicing irrigation wells on Tract 2012003.*

Operations and Maintenance Priorities

- ***Basic Property Maintenance Obligations and Needs*** *– Fulfill basic property ownership obligations and needs on Tracts 2008001, 2009001, 2009004, 2010003, and Tract 2012003.*
- ***Agricultural Operations*** *– Development of grazing plan and oversight of grazing lease on Tract 2008001 and Tract 2012003.*

NOTE: The budget section of this work plan only contains information for work items that are specific to this complex. As such, complex-specific research and monitoring actions are presented but system-scale actions like target species and geomorphology/vegetation monitoring are not.

Priority Area: *General*
Item(s): *Complex Land Interest and Good Neighbor Policy*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
FK1	Coordination of Program land actions with neighboring landowners	1/1/14 – 12/31/14	BS	N/A	N/A
FK2	Initiate development of operations and maintenance plan for Tract 2012003	1/1/14 – 6/1/14	BS	N/A	N/A

Priority Area: *Species Habitat*
Item(s): *Improve Target Species Sand and Water Habitat*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
FK4	Disking if necessary to provide in-channel vegetation control[1]	9/1/14 – 10/1/14	TT	$11,000	LP-2

Priority Area: *Species Habitat*
Item(s): *Other Species of Concern*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
FK6	Habitat and species surveys on properties where work will occur	As Needed	DB	N/A	N/A
FK7	Coordination with USFWS and NGPC to identify and mitigate potential impacts associated with 2011 land activities	1/1/14 – 4/1/14	TBD	N/A	N/A

Priority Area: *Species Habitat*
Item(s): *Whooping Crane Grassland / Wet Meadow Habitat*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
FK8	Tract 2008001 Prescribe burn (117 ac)[2]	3/15/14 – 4/7/14	TT	$7,020	LP-2
FK9	Tract 2009004 Prescribe burn (205 ac) [3]	3/15/14 – 4/7/14	TT	$12,300	LP-2
FK10	Tract 2012003 Prescribe burn (67 ac) [4]	3/15/14 – 4/7/14	TT	$4,020	LP-2

Priority Area: *Operations and Maintenance*
Item(s): *Basic Property Maintenance Obligations and Needs*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
FK11	Tract 2012003 livestock water well & tank[5]	1/1/14 – 6/1/14	TT	$8,000	LP-4
FK12	Noxious weed control[6]	6/1/14 – 8/31/14	TT	$5,000	LP-4
FK13	Boundary fence and road maintenance[7]	1/1/14 – 12/31/14	TT	$9,000	LP-4
FK14	Mowing[8]	8/15/14-9/15/14	TT	$2,000	LP-4

Priority Area: *Operations and Maintenance*
Item(s): *Agricultural Operations*

No.	Activities for 2012	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
FK15	Tract 2008001 grazing lease oversight	5/15/14-10/15/14	TT	N/A	N/A
FK16	Tract 2012003 grazing lease oversight and input costs	5/1/14– 10/31/14	TT	N/A	N/A

[1] Based on 2013 costs
[2] Burn unit area of 117 acres at $60/AC
[3] Burn unit area of 205 acres at $60/AC
[4] Burn unit area of 67 acres at $60/AC
[5] Based on project costs for similar work at Shoemaker Island Complex in 2012
[6] Based on 2013 costs
[7] Based on 2013 costs
[8] Based on 2013 costs

Personnel Responsibility Key:

BS – Bruce Sackett (Land Specialist)
DB – David Baasch (Wildlife Biologist)
TT – Tim Tunnell (Land Manager)
JF – Jason Farnsworth (Technical Support Services)
JB – Justin Brei (Biosystems Engineer)

Property Identification Key:

2008001 – PRRIP Wyoming Property
2009001 – PRRIP Fox Tract
2009004 – PRRIP Hostetler Tract
2010003 – PRRIP Sherrerd/Clark Easement
2012003 - PRRIP Blessing Tract

2014 Fort Kearny Complex Budget Summary

Estimated 2014 Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Species Habitat	Improve Sand and Water Habitat	LP-2	$11,000
Species Habitat	Whooping Crane Grassland / Wet Meadow Habitat	LP-2	$23,340
		Subtotal	***$34,340***
Operations and Maintenance	Property Maintenance Obligations and Needs	LP-4	$24,000
		Total	**$58,340**

Estimated 2014 Revenues

Priority Area	Item	Estimated Income
Operations and Maintenance	Tract 2008001 and Tract 2012003 Grazing Income	$7,610
Operations and Maintenance	Tract 2012003 Cropland income	$22,200
Operations and Maintenance	Tract 2009001 Hay income	$7,000
Operations and Maintenance	Tract 2009004 Hay income	$14,000

2014 Shoemaker Island Complex Annual Work Plan

Platte River Recovery Implementation Program

For More Information Contact: Jerry F. Kenny, kennyj@headwaterscorp.com, (308) 237-5728

General Priorities

- ***Good Neighbor Policy*** *– Conduct all actions in accordance with Program's good neighbor policy.*

Adaptive Management Priorities

- ***Tern and Plover Riverine Habitat Experiment*** *– Maintenance of in-channel nesting islands and targeted tree clearing to increase distance to visual obstructions and predator roost habitat*
- ***Whooping Crane Riverine Habitat Experiment*** *– Design and implement vegetation clearing to provide a range of unobstructed view widths above the Programs minimums*
- ***Riverine versus Off-Channel Tern and Plover Nesting*** *–Monitor tern and plover use and productivity on Program riverine habitat and nearby OCSW habitat.*
- ***Flow-Sediment-Mechanical (FSM) Management Experiment*** *– Complete implementation design for FSM "proof of concept" management experiment at Shoemaker Island Complex and implement experiment.*

Species Habitat Priorities

- ***Improve Target Species Sand and Water Habitat*** *– Increase available sand and water habitat for species through design and construction of tern and plover and whooping crane experiments that will create habitat meeting Program suitability criteria.*
- ***Protecting Other Species of Concern*** *– Identify presence of and determine methods to protect and/or benefit other species of concern while implementing land-related activities.*

Operations and Maintenance Priorities

- ***BaSic Property Maintenance Obligations and Needs*** *– Fulfill basic property ownership obligations and needs on Tracts2010004.*
- ***Agricultural Operations*** *– Oversight of grazing and haying leases on Tract 2010004.*

NOTE: The budget section of this work plan only contains information for work items that are specific to this complex. As such, complex-specific research and monitoring actions are presented but system-scale actions like target species and geomorphology/vegetation monitoring are not.

Priority Area: *General*
Item(s): *Complex Land Interest and Good Neighbor Policy*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
SI 1	Coordination of Program land actions with neighboring landowners	1/1/14– 12/31/14	BS	N/A	N/A

Priority Area: *Species Habitat*
Item(s): *Improve Target Species Sand and Water Habitat*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
SI 2	Disking if necessary to provide in-channel vegetation control[1]	9/1/14 – 10/1/14	TT	$34,000	LP-2

Priority Area: *Adaptive Management*
Item(s): *Tern, Plover and Whooping Crane Habitat Experiments*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
SI 3	Pre-emergent herbicide application on in-channel nesting islands.[2]	3/1/14-4/1/14	TT	$10,000	LP-2

Priority Area: *Adaptive Management*
Item(s): *FSM Proof of Concept Management Experiment*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
SI 4	Implementation of FSM proof of concept management experiment[3]	3/1/14 – 12/1/14	JF	$339,900	IMRP-5

Priority Area: *Species Habitat*
Item(s): *Whooping Crane Grassland / Wet Meadow Habitat*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
SI 5	Tract 2010004 Prescribe burn North ½ -East & West Pastures (254 ac)[4]	3/15/14 – 4/7/14	TT	$15,420	LP-2
SI 6	Tract 2010004 Prescribe burn-South meadow (56 ac)[5]	3/15/14 – 4/7/14	TT	$3,360	LP-2

Priority Area: *Species Habitat*
Item(s): *Other Species of Concern*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
SI 7	Habitat and species surveys on properties where work will occur	As Needed	DB	N/A	N/A
SI 8	Coordination with USFWS and NGPC to identify and mitigate potential impacts associated with 2014 land activities	1/1/14 – 4/1/14	TBD	N/A	N/A

Priority Area: *Operations and Maintenance*
Item(s): *Basic Property Maintenance Obligations and Needs*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
SI 9	Noxious weed control[6]	6/1/14 – 8/31/14	TT	$5,000	LP-4
SI10	Boundary fence and road maintenance[7]	1/1/14 – 12/31/14	TT	$9,000	LP-4
SI 11	Mowing[8]	8/15/14-9/15/14	TT	$1,000	LP-4

Priority Area: *Operations and Maintenance*
Item(s): *Agricultural Operations*

No.	Activities for 2014	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
SI 12	Tract 2010004 grazing, haying lease oversight	5/15/14-10/15/14	TT	N/A	N/A

[1] Based on 2013 costs
[2] Based on 2013 costs
[3] See PRRIP Fiscal Year 2014 Budget and Annual Work Plan for details
[4] Burn unit area of 254 acres at $60/ac
[5] Burn unit area of 56 acres at $60/ac
[6] Based on 2013 costs
[7] Based on 2013 costs
[8] Based on 2013 costs

Personnel Responsibility Key:

BS – Bruce Sackett (Land Specialist)
DB – David Baasch (Wildlife Biologist)
TT – Tim Tunnell (Land Manager)
JF – Jason Farnsworth (Technical Support Services)
JB – Justin Brei (Biosystems Engineer)

Property Identification Key:

2010004 – PRRIP Binfield Tract

2014 Shoemaker Island Complex Budget Summary

Estimated 2014 Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Adaptive Management & Species Habitat	Tern, Plover and Whooping Crane Habitat Experiments	LP-2	$44,000
Species Habitat	Whooping Crane Grassland/Wet Meadow Habitat	LP-2	$18,600
		Subtotal	***$62,600***
Adaptive Management	FSM Proof of Concept Management Experiment	IMRP-5	$339,900
Operations and Maintenance	Property Maintenance Obligations and Needs	LP-4	$15,000
		Total	**$417,500**

Estimated 2014 Revenues

Priority Area	Item	Estimated Income
Operations and Maintenance	Tract 2010004 Grazing and Haying Income	$38,900