



PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM (PRRIP -or- Program)

FISCAL YEAR 2024 BUDGET AND ANNUAL WORK PLAN

Prepared by:

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Platte River Recovery Implementation Program (PRRIP or Program)

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Prepared for:

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2023 GC Chair

Final Budget and Work Plan Revised and Approved by Governance Committee

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PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM FISCAL YEAR 2024 BUDGET AND ANNUAL WORK PLAN

Introduction

The Platte River Recovery Implementation Program (“Program” or “PRRIP”) 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 and the First Increment Extension covering a 13-year period from 2021 through 2032. 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).

Jason Farnsworth serves as Executive Director (ED) of the Program. Farnsworth and staff in the Executive Director’s Office (EDO) maintain offices in Nebraska and Colorado. The EDO worked closely with the GC, the Advisory Committees and their subcommittees and working groups, Program cooperators and partners, and others to develop the FY 2024 Program Budget and Work Plan based on guidance from the Final Program Document and Program goals and priorities.

This document presents a quick reference snapshot of the FY24 Program Budget Spreadsheet (which is a separate document that is incorporated by reference) and the final FY24 Program Annual Work Plan.





Table 1. Quick-Reference Snapshot of FY 2024 PRRIP Budget Spreadsheet

Table 1 includes a reference page number corresponding to the beginning page location for each budget line item in this FY2024 Work Plan. Line item numbers in red indicate new line items or items that have been modified.

PRRIP Budget ID	PRRIP Line-Item Description	FY 2024 Estimated New Money	FY 2024 Work Plan Page #
ADMINISTRATION			
ED-1	EDO Salaries/Travel/Office Expenditures	\$ 3,236,000	5
ED-2	Legal Services & Public Notices	\$ 47,100	7
ED-3	Public Outreach	\$ 48,500	9
GFC-1	Financial Services	\$ 257,500	12
GFC-2	Program Insurance	\$ 93,800	13
PD-8	Program Website and Database	\$ 77,000	14
CTE-1	Committee Meeting Expenses	\$ 7,300	15
Administration Sub-Total		\$ 3,767,200	

LAND PLAN			
LP-3	Land Acquisition, LIHE Fees, and Property Taxes	\$ 853,000	17
LP-4	Land Operations and Maintenance	\$ 358,000	20
LP-6	EDO Special Advisors - Land Plan	\$ 25,000	21
LP-7	Public Access Program Management	\$ 40,000	23
Land Plan Sub-Total		\$ 1,276,000	

WATER PLAN			
WPRT-1	Retiming Projects: Canal Recharge	\$ 185,000	24
WPRT-3	Retiming Projects: Broad-Scale Recharge	\$ 208,000	26
WPRT-4	Retiming Projects: Recapture Wells	\$ 300,000	28
WPST-1	Storage Leases: Lake McConaughy	\$ 1,648,000	29
WPST-2	Storage Leases: Upstream Sources	\$ 624,000	30
WPIR-1	Irrigator Leases	\$ 310,000	31
WPLW-1	General Maintenance of Land-for-Water Properties	\$ 21,000	32
WPWM-1	Water Monitoring Activities	\$ 42,000	33
WPCP-1	North Platte Choke Point	\$ 300,000	35
WPSA-1	EDO Special Advisors - Water Plan	\$ 20,000	36
Water Plan Sub-Total		\$ 3,658,000	



SCIENCE PLAN			
LP-2	Habitat Restoration and Management Actions on Program Lands	\$ 336,900	<u>38</u>
LP-2-P	Trapping Projects	\$ 108,400	<u>39</u>
PD-22	Sediment Augmentation Implementation	\$ 500,000	<u>40</u>
WP-1(b)	<i>Phragmites</i> Control	\$ 200,000	<u>42</u>
G-1	Remote Sensing Data Collection	\$ 305,200	<u>43</u>
TP-1	Tern and Plover Monitoring & Research	\$ 4,600	<u>44</u>
WC-1	Whooping Crane Monitoring & Research	\$ 98,500	<u>45</u>
PS-1	Pallid Sturgeon Monitoring & Research	\$ 511,700	<u>46</u>
G-5	Geomorphology & Vegetation Monitoring and Research	\$ 258,900	<u>48</u>
PD-15	Environmental Permitting	\$ 50,000	<u>50</u>
IMRP-3	EDO Special Advisors - Science Plan	\$ 120,000	<u>51</u>
ISAC-1	ISAC Stipends & Expenses	\$ 240,000	<u>53</u>
PD-3	PRRIP Peer Review and Publications	\$ 93,000	<u>56</u>
PD-11	Science Plan-related Workshops	\$ 45,000	<u>59</u>
Science Plan Sub-Total		\$ 2,872,200	

FY2024 PRRIP BUDGET TOTAL	\$ 11,573,400
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FY 2024 PRRIP ADMINISTRATION BUDGET LINE ITEMS

ED-1. EDO Salaries/Travel/Office Expenditures

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$3,236,000		

Task Description

Salaries, travel, and other direct costs associated with ED and staff in ED Offices (EDO). The ED and EDO are responsible for implementation of all items detailed in remainder of the Work Plan. Staff time and reimbursable expenses are split into administrative, land, water and science categories. Administrative time includes both general Program administration as well as committee and contractor coordination. Land category consists of oversight of land O&M and habitat engineering. Water category consists of coordination/operations of water supply projects water modeling/scoring. Science category consists of implementation of baseline target species and physical process monitoring and research. Prior to 2024 seasonal technician time and science equipment costs were located in Science Plan line items. All of those costs have been consolidated into ED-1 for the 2024 budget and many direct costs have been absorbed into labor rates.

CATEGORY	PROFESSIONAL SERVICES HOURS AND FEE		REIMBURSABLE COSTS	TOTAL
	Hours	Fee		
Program Administration & Committee Coordination				
Program Administration	4,252	\$ 615,940	\$ 63,645	\$ 679,585
Land Plan Coordination	1,044	\$ 130,687	\$ -	\$ 130,687
Water Plan & Contractor Coordination	1,296	\$ 184,620	\$ -	\$ 184,620
Science Plan & Contractor Coordination	2,140	\$ 284,313	\$ -	\$ 284,313
Independent Science Coordination	400	\$ 56,778	\$ -	\$ 56,778
Information and Education	532	\$ 45,612	\$ -	\$ 45,612
Subtotal	9,664	\$ 1,317,950	\$ 63,645	\$ 1,381,595
Land Plan Implementation				
Land O&M & Contractor Oversight	2,200	\$ 192,092	\$ 11,830	\$ 203,922
Habitat Engineering (Civil Eng. and Hab Restoration)	1,008	\$ 109,960	\$ -	\$ 109,960
Subtotal	3,208	\$ 302,052	\$ 11,830	\$ 313,882
Water Plan Implementation				
Water Project Coordination and Operations	834	\$ 110,080	\$ 150	\$ 110,230
Water Modeling & Scoring	1,440	\$ 160,573	\$ -	\$ 160,573
Subtotal	2,274	\$ 270,653	\$ 150	\$ 270,803



Science Plan Implementation				
Whooping Crane Monitoring, Research & Data Analysis	5,518	\$ 387,330	\$ 29,475	\$ 416,805
Tern and Plover Monitoring, Research & Data Analysis	5,310	\$ 327,680	\$ 34,217	\$ 361,897
Geomorphology and Vegetation Monitoring, Research & Analysis	2,938	\$ 276,215	\$ 1,300	\$ 277,515
Sediment Augmentation Monitoring, Research & Data Analysis	1,068	\$ 107,842	\$ 1,300	\$ 109,142
Wet Meadows Monitoring, Research & Data Analysis	600	\$ 60,818	\$ -	\$ 60,818
Pallid Sturgeon Monitoring, Research & Data Analysis	340	\$ 42,580	\$ -	\$ 42,580
Subtotal	15,774	\$ 1,202,464	\$ 66,292	\$ 1,268,757
TOTAL	30,920	\$ 3,093,120	\$ 141,917	\$ 3,235,037

Rounded Total 2024 EDO Budget (Labor Costs + ODC)	\$3,236,000
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Products

Staff support for all Program activities.

Notes on Cost

See Exhibits A and B to the 2024-2028 EDO Contract for detailed documentation of effort.



ED-2. Legal Services and Public Notices

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$47,100		

Task Description

Administrative support in the form of legal advice and review of contracts associated with land and water acquisitions as well as other contract- and legal issues as well as procurement-related notices in newspapers.¹ ED-2 costs are summarized by item below.

Item	Cost
Attorney fees	\$ 38,000
Newspaper notices	\$ 9,100
TOTAL	\$47,100

Notes on Cost

The primary use of ED-2 is for 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. Billing rate for specialized water and contract-related legal counsel is \$375/hour based on vetting experience of the past several years. We anticipate that one or more long-term water agreements may need to be negotiated in 2023. This will require substantial input from legal counsel. It is estimated that approximately 80 hours of legal support will be necessary assist in water-related matters (\$30,000). In addition, we anticipated the need for legal support for potential land-related items. Rates for land-related legal services range from \$150 - \$275/hour and average \$200/hour. Based on a fee of \$200/hour and an estimated 40 hours of service, the anticipated legal fees for land-related issues in 2023 are \$8,000 and total attorney fees are **\$38,000** (\$30,000 + \$8,000).

A second 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.

¹ During the First Increment accounting database management services were included in ED-2. Those costs have been moved to line item GFC-1 to consolidate financial management costs into one line item.



Recent costs to run a three-day (Friday, Saturday, and Sunday) announcement in the papers is tabulated below:

Newspaper	Three Day Cost (\$)
Denver Post	\$ 910
Omaha World Herald	\$ 761
Wyoming Eagle Tribune	\$ 94
Kearney Hub	\$ 48
TOTAL	\$ 1,813 (Round to \$1,900)

We are anticipating four full RFP in 2023 at \$1,900 for a total of \$7,600. Up to six 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) are also anticipated at a cost of \$250 each, 6 x \$250 = \$1,500. The total for four major and six supplemental advertisements is: **\$9,100** (\$7,600 + \$1,500).



ED-3. Public Outreach

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$48,500		

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 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 on youth-oriented, experience-based programs. Exhibits and sponsorships help the Program spread its message and its brand. ED-3 costs are summarized by item below.

Item	Cost
Exhibit Fees	\$ 2,000
Major Sponsorships	
<i>Rowe Sanctuary Education Program</i>	\$ 5,000
<i>Prairie Loft Education Program</i>	\$ 5,000
<i>Greenway Foundation SPREE Program</i>	\$ 5,000
Other Sponsorships	\$ 3,000
Promotional Materials	\$ 3,500
Publish Outreach Refresh	\$ 25,000
Total	\$48,500

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 \$2,000.
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 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 2023, \$15,000 is budgeted for major



sponsorships including \$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. The nature of the expenditures and associated activities for Rowe Sanctuary, Prairie Loft, and SPREE remain largely the same as for 2022.

3. "Other Sponsorship" is a category used to allow the Program to participate in known events that are smaller in magnitude than the Major Sponsorships covered above, 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 newspapers are estimated for 2023 at about \$500.
 - 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 \$250 to \$750. Allowing for three to five such sponsorships to be awarded, costs for 2023 are estimated at about \$2,500.
4. "Promotional Materials" is a category covering materials distributed to increase the awareness of the Program. The distinctive Program logo is utilized in all Program communications, reports, and on all promotional materials including fact sheets, brochures, biennial 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 \$2.00. Examples of giveaways include pens, carabiner key chains, can coolers, stylus, mobile phone cradle, tote bags, shoulder bags, small tools, and water bottles. The Program anticipates distributing about 2,500 items in 2023 for a cost of about \$3,500.
5. "Public Outreach Refresh" includes budget to contract with a third party to help the Program refocus/refresh our outreach strategy for the remainder of the Extension. Services will be obtained through a competitive selection process.



The following tables provide specific cost estimate breakdowns for each of the Major Sponsorship items in FY23:

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.	150	\$4,500	
LABOR TOTAL			\$4,500	
MATERIALS				
Jeweler's Loupes Magnifiers	\$7	35	\$250	
Butterfly Nets	\$15	16	\$250	
MATERIALS TOTAL			\$500	
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, professional development, and outreach to schools, teachers, families, and partner organizations.
Lead Educator	\$14/hr.	200	\$2,800	
Assistant Educators	\$10/hr.	68	\$680	
LABOR TOTAL			\$3,480	
MATERIALS			\$1,220	Education program supplies includes items such as books, writing materials, field study equipment, printing, tools, and resources for additional and enhanced outdoor learning areas.
Program Evaluation			\$300	Evaluation includes surveys and assessment to establish measurement tools to prove and enhance program impact.
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 and virtual programs (as needed) 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	



GFC-1. Financial Services

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$257,500		

Task Description

Fees paid to the Nebraska Community Foundation (NCF) for administration of the financial aspects of the Program in 2023 and costs associated with maintenance of a financial database for the Program.² GFC-1 costs are summarized by item below.

Item	Cost
Nebraska Community Foundation Fees	\$ 241,500
Financial Database Services	\$ 16,000
TOTAL	\$ 257,500

Notes on Cost

The primary use of this budget will be reimbursement of NCF 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, NCF 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 \$49,000 (700 hours X \$70/hour), and an estimated provisional indirect cost ratio of 1.75% applied to approximately \$11 million in direct costs (\$192,500) based on budgeted PRRIP expenditures in 2023. Only actual indirect costs will be recouped by NCF and the rate will fluctuate from year to year depending on overall total expenditures of the NCF.

In addition, this budget includes professional financial services costs (\$16,000) associated with populating and maintaining the Program’s newly updated financial accounting database (IT costs are in PD-8). The database contains a record of all invoices submitted by Program contractors for payment and all income the program generates from its holdings. The database produces both monthly and annual reports showing breakdowns by year, budget items, contractors, and balances for each participant (Colorado, Wyoming and DOI). Database information is shared with DOI and reconciled monthly with Nebraska Community Foundation.

² Accounting database services have been moved from ED-2 to this line item for the Extension and the line item has been renamed from NCF Fees to Financial Services.



GFC-2. Program Insurance

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$93,800		

Task Description

Insurance acquired for representatives of the GC and subcommittees (including alternates) and ED Office for activities that will be undertaken through Program implementation. Major insurance coverages include property/crime insurance associated with Program land and associated infrastructure, public officials and management liability, cyber liability, and general/umbrella liability which would cover damages caused by implementation of Program management actions including flow releases.

Notes on Cost

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. The Program maintains a clean claims record and no new major risk additions. As such, we have been advised that any rate increase will be minimal and almost certainly less than 10%. We have budgeted a conservative 10% increase over the 2023 premium of 85,300.



PD-8. Program Website and Database

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$77,000		

Task Description

Ongoing website and species database development and management by D.J. Case & Associates. Tasks include basic maintenance, hosting, and minor site improvements. This task also includes hosting and support for the Program financial tracking and disbursement database.

Notes on Cost

The contract was awarded in 2018 through a competitive procurement process in conformance with the Procurement Policy. The budget estimate is developed 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 given the contract was awarded and negotiated through a competitive selection process.

Specific FY23 tasks include:

- Web and Database hosting through Digital Ocean hosting service, 99.9% uptime, 24/7 support, daily & weekly backups.
- Security, including Drupal platform updates and upgrades, SSL technology.
- On-call support, including troubleshooting, content management, consultation, user assistance.
- Ongoing site improvements, including:
 - Content review & redevelopment
 - User interface and experience improvement
 - Accessibility review & update
 - Stream gaging updates, including addition of new gages and visualization
 - Development of public-facing content from species database
 - Other site improvements & functionality
- Support, refinement, and hosting for the Program's target species data repository, which houses PRRIP target species monitoring data and reporting tools.
- Support, refinement, and hosting for Program financial tracking and disbursement database, developed in 2020.



CTE-1. Committee Meeting Expenses

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$7,300		

Task Description

Budget to cover costs related to committee meetings (GC, FC, LAC, TAC, and WAC). Costs include room rentals, audio-visual fees, refreshments, etc. CTE-1 costs are summarized by committee below.

Item	Cost
Governance Committee	\$ 4,000
Land Advisory Committee	\$ 300
Water Advisory Committee	\$ 1,000
Technical Advisory Committee	\$ 2,000
TOTAL	\$ 7,300

Governance Committee

GC meetings are held quarterly. Two are held in Kearney, NE , one in Cheyenne, WY at the Wyoming Water Development Commission, and one in Colorado. Meeting room costs (where applicable), refreshments for breaks, and supper for GC members are included in the cost. Based on 2023 experience, 2024 estimate of GC meeting expenses is \$1,000 for each meeting. The meeting expense table provided below provides a breakdown of costs.

Meeting Room Rental & Break Costs	GC Meals	Total Costs
\$1,000	\$3,000	\$4,000

Land Advisory Committee

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 a half day in the field with lunch and drinks (water and sodas) in field provided for 10 to 15 people at an average cost of about \$20.00 per person, based on 2023 experience, provide the basis for the \$300 estimate.

Meeting Room Rental & Break Costs	Meeting Costs	Total Costs
\$0	\$300 (annual field tour expenses @ \$300)	\$300

**Water Advisory Committee**

The WAC meets quarterly. We assume that two of the meetings will be virtual and two meetings will be held at the Visitor's Center near Lake McConaughy in Ogallala for which there is no room or equipment charge but due to its remote location working lunches are provided (25 people/meeting x \$20/person = \$500/meeting). Working groups and subcommittee frequently meet by conference call and at other locations. All meetings are assumed to be focused on Water Action Plan projects with meetings involving a mix of technical/administrative topics.

Meeting Room Rental & Break Costs	Meeting Equipment Costs	Total Costs
\$1,000 (working lunches at two quarterly meetings)	\$0	\$1,000

Technical Advisory Committee

The TAC generally meets quarterly but working group and sub-committee meetings can meet more frequently. Assume four TAC meetings will be held in Kearney, NE at the EDO and consist of two half days of meetings. No equipment costs are expected but group suppers are provided for TAC participants (\$500 per meeting X 4 meetings = \$2,000).

Meal Costs	Meeting Equipment Costs	Total Costs
\$2,000 (4 meetings @ \$500/meeting)	\$0	\$2,000



FY 2024 PRRIP LAND PLAN BUDGET LINE ITEMS

LP-3. Land Acquisition, LIHE Fees, and Property Taxes

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$853,000		

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 land interest holding entity (LIHE) for the Program, as well as property taxes and other annual fees. LP-3 costs are summarized by item below. LP-3 costs are summarized by item below.

Item	Cost
LIHE Fees	\$65,000
Property Taxes	\$165,000
Land Acquisition Associated Costs	\$23,000
Buy, Lease or Easement (100 acres)	\$600,000
TOTAL	\$ 853,000

Notes on Cost

LIHE Fees

LIHE fees are 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 covered in Program line item GFC-2. The fees are billed quarterly. Charges for 2016-2021 are provided below. It is estimated that 2023 fees will be slightly higher than 2021, on the order of \$65,000.

Quarter	2016 Fee	2017 Fee	2018 Fee	2019 Fee	2020 Fee	2021 Fee
First	\$9,300	\$10,094	\$14,170	\$14,000	\$14,425	\$11,700
Second	\$12,384	\$13,178	\$11,165	\$13,800	\$11,492	\$14,896
Third	\$18,052	\$19,312	\$21,014	\$17,763	\$21,963	\$11,700
Fourth	\$12,725	\$13,755	\$14,100	\$13,925	\$14,896	\$19,602
TOTAL	\$52,461	\$56,339	\$60,449	\$52,488	\$62,776	\$57,898

**Property Taxes**

PRRIP is required to pay property taxes. A summary of the property taxes paid on habitat land in 2018-2022 is provided by county below. All PRRIP properties are in Nebraska.

Nebraska County	Taxes Paid in 2019	Taxes Paid in 2020	Taxes Paid in 2021	Taxes Paid in 2022	Taxes Paid in 2023
Buffalo	\$71,224.60	\$68,525.56	\$64,645.02	\$62,401.38	\$64,296.50
Dawson	\$12,558.70	\$12,348.79	\$13,909.11	\$13,879.42	\$14,112.02
Gosper	\$1,101.64	\$1,103.82	\$1,085.52	\$1,072.54	\$1,067.24
Hall	\$26,018.30	\$27,123.16	\$24,988.04	\$25,5423.10	\$25,860.24
Phelps	\$26,360.78	\$26,594.60	\$27,234.24	\$26,672.76	\$25,571.58
Kearney	\$14,416.46	14,366.50	14,484.36	\$14,139.36	\$10,392.66
Merrick			\$3,180.80	\$3,377.44	\$18,338.70
Hamilton			\$1,870.78	\$1,919.44	\$1,877.12
TOTAL	\$151,680.48	\$150,062.43	\$151,397.87	\$148,885.44	\$160,448.82

Property taxes have been stable at approximately \$150,000. Land acquisitions in late 2021 will increase taxes by approximately \$15,000 annually. Based on the 2021/2022 taxes and additional property acquisitions, an estimated \$165,000 in property tax payments will be made in 2023.

Land Acquisition Associated Costs

These costs are based on experience on 2018-2022 acquisitions. The associated costs per transaction are provided in the table below:

Item	Fee
Appraiser fee	\$4,000
Surveyor fee	\$6,000
Attorney fee (@\$250/hr for 40 hours)	\$10,000
Miscellaneous costs and fees	\$3,000
TOTAL	\$23,000

Assuming acquisition of one tract in 2022, in the 100-acre range, an estimate of \$23,000 was developed. 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 \$4,000 per appraisal is the average fee for a relatively straightforward appraisal of a small tract 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.

Survey 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 \$6,000 per survey is an average fee for a basic boundary survey of a 100-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.

Attorneys for real estate work are selected based on knowledge and experience in riparian boundary law, specific experience in a 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.

Miscellaneous fees could include items from among the following: Phase I Environmental Site Assessments, 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 peculiarities often arise that must be dealt with.

Land Purchase Costs (Buy, Easement or Lease)

Current land prices for the types of non-complex lands we will be acquiring typically range from \$4,500 to \$8,000 per acre. It is estimated that approximately 100 acres of land will be acquired in complex habitat plus-up acres. At an approximate average cost of 6,000 per acre, total acquisition cost would be \$600,000.

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.



LP-4. Land Operations and Maintenance

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$358,000		

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 2023 is included as **Appendix A** in this document.

Notes on Cost

See **Appendix A** in this document for specific details.



LP-6. EDO Special Advisors – Land Plan

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$25,000		

Task Description

Negotiation and drafting of agricultural leases on Program properties as well as oversight of sharecropping agreements and marketing of sharecropping commodities. Special expertise is necessary for development and negotiation of appropriate crop and pasture rental rates as well as decision-making related to sharecropping arrangements.

Management Services:

1. Set up accounts, along with sub-accounts, for each of the Properties.
2. Research and make recommendations on crop insurance (when needed) and coordinate the same.
3. Research and recommend leasing rates and policies. Prepare standard lease forms for approval and signature by the Owner.
4. Recommend repairs and improvements for properties.
5. Recommend changes in farm practices, or other matters, related to the operation of Properties, including government programs and assistance.
6. Market crops, If any, In inventory.
7. Receive funds from rental income, or the sale of crops, and post transactions documenting such.
8. Receive, approve and pay bills related to the Properties.
9. Make periodic personal inspections of the properties.
10. Act on behalf of the Owner with respect to all USDA programs for the properties.
11. Provide accounting reports of transactions on a quarterly and yearly basis.
12. Disburse funds back to the Owner when requested.
13. Submit Invoice on a quarterly basis to the Owner for Manager's services related to the operation of the properties.
14. Participate in meetings with Owner, and Owner's representatives, as requested.

Notes on Cost:

One agricultural management firm will be used to handle tenant leases for Program properties in 2024. Labor costs are billed at \$100 per hour for consulting and \$50 per hour for clerical. The breakdown of hours and costs estimated are tabulated below:

Hourly Rates and Reimbursable Expenses:

Task	Unit	Cost Rate
001 Management/Consulting	HR	\$100
002 Clerical Support	HR	\$50
003 Mileage Reimbursement	MILE	Prevailing IRS Rate

**Estimated Hours of Management Services:**

United Farm & Ranch estimates that 235 hours will be spent by manager, its employees, and agents in the performance of the Management Services requested hereunder. The Manager, based on the hourly rate and reimbursable expenses, for the services described is estimating an **annual fee of \$21,000, not to exceed \$25,000.**

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 June 2016, “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 an eight-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.



LP-7. Public Access Program Management

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$40,000		

Task Description

Cost associated with management of public recreation access program on 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.

Notes on Cost

Nebraska Game and Parks Commission will manage public access to Program lands in 2023 pursuant to a contract between the Nebraska Community Foundation and the Nebraska Game & Parks Commission. The annual cost of this agreement is \$40,000.



FY 2024 PRRIP WATER PLAN BUDGET LINE ITEMS

WPRT-1. Retiming Projects: Canal Recharge

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$185,000		

Task Description:

The Program's Water Action Plan projects include retiming of excess flows through intentional groundwater recharge in CNPPID, NPPD and CPNRD canal systems. Recharge operations will occur during the non-irrigation season as conditions allow. Estimated WPRT-1 recharge costs are summarized by district/canal below.

Item	Cost
CNPPID Phelps Canal	\$0
NPPD Canals	\$185,000
CPNRD Canals	\$0
TOTAL	\$185,000

Notes on Cost

Phelps County Canal Groundwater Recharge

As it has since 2011, the Program intends to continue groundwater recharge in the Phelps County Canal in 2024 and each successive year through the end of the First Increment Extension in 2032. Recharge operations can occur during the non-irrigation season as conditions allow, subject to the availability of excess flows, groundwater elevations below designated thresholds, and ice-free operating conditions. To facilitate recharge, a check structure at Mile Post (MP) 13.3 allows water to pool in the canal and seep into the aquifer. The CNPPID will obtain the necessary permits from Nebraska DNR to divert unappropriated excess flows for groundwater recharge.

The Program and CNPPID completed a Water Service Agreement (WSA) in December 2022 extending Phelps County Canal groundwater recharge at least through December 31, 2032. The WSA reserves at least 75% of Phelps County Canal excess flow diversions to MP 13.3 for the Program and included Program pre-payment for 50,000 AF of excess flow diversions at a unit cost of \$35.92/AF.

No additional funds are required for Phelps County Canal groundwater recharge in 2024.

NPPD Gothenburg and Dawson County Canal Ground Water Recharge

The Program has a WSA with the NPPD through December 31, 2025, for diversion of excess flows into the Gothenburg and Dawson County Canals for groundwater recharge operations during the non-irrigation season. Per the terms of the WSA, the Program will pay NPPD for a Net Amount Diverted, which is defined as "the flow measured by NPPD using the Gothenburg Canal and Dawson County Canal measuring flumes located near the river head gates...and subtracting each canal's river returns as measured by NPPD." To facilitate the project, NPPD will obtain the necessary permits from Nebraska DNR to divert unappropriated excess flows for groundwater recharge. Details of anticipated 2024 CPNRD canals groundwater recharge



are shown in the table below. Actual expenditures by the Program will be based on measured diversions into the Gothenburg and Dawson County Canals for groundwater recharge in 2024.

Item	Value
Water Service Agreement	Expires December 31, 2025
Unit Cost	\$36.99 per acre-foot
Estimated Volume ¹	5,000 acre-feet
Budget²	\$185,000

¹ WSA does not specify annual volumetric limit; 5,000 AF assumed for consistency with other canal recharge agreements.

² Unit Cost × Estimated Volume, rounded to the next \$1,000.

CPNRD Orchard-Alfalfa, Thirty Mile and Cozad Canal Groundwater Recharge

The CPNRD can divert excess flows for non-irrigation season recharge through the Orchard-Alfalfa, Thirty Mile, and Cozad canals. Appropriations for recharge diversions (100 cfs each at Thirty Mile and Cozad, 75 cfs at Orchard-Alfalfa) were approved by the Nebraska DNR in 2015.

The CPNRD canals have not diverted for Program recharge since May 2020. CPNRD canal recharge is not anticipated in 2024 and no funds are to be allocated for this project.

Item	Value
Water Service Agreement	Expires December 31, 2024
Unit Cost	\$36.99 per acre-foot
Estimated Volume ¹	0 acre-feet
Budget²	\$0

¹ Diversions were limited in 2018-2019 and none were made from 2021-2023. The most recent net recharge diversion was 2,950 acre-feet in April-May 2020.

² Unit Cost × Estimated Volume, rounded to the next \$1,000.



WPRT-3. Retiming Projects: Broad-Scale Recharge

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$208,000		

Task Description

The Program constructed a broad-scale recharge project at the Cottonwood Ranch Complex, which includes earthen berms and water control structures to allow for the ponding of water in eight individual cells and subsequent recharge of the alluvial aquifer. Divertible excess flows are delivered to the property through a pipeline from the Phelps County Canal, and the infiltrated water returns to the Platte River over time. Estimated WPRT-3 recharge costs are summarized by item below.

Item	Cost
Rubicon Gate/SCADA Service & Maintenance	\$5,000
Electricity	\$400
Berm maintenance	\$62,500
Groundwater monitoring	\$20,000
Pipeline Cavitation Fix	\$120,000
TOTAL	\$207,900 Rounded to \$208,000

Notes on Cost

Nearly 2,300 AF of excess flow water was delivered to the project between May and October 2023. Recharge operations are expected to continue at any time of year, subject to the availability of divertible excess flows and ice-free operating conditions. The CNPPID will charge the Program \$28.72 per acre-foot (based on a 2% annual escalator) for water diverted to the delivery pipeline in 2024. However, the Program will not be responsible for a cash payment to the CNPPID until the cost of water deliveries exceeds the cost of the design and construction of the delivery pipeline. Following deliveries made from 2020-2023, the remaining balance of the pipeline cost is about \$893,000. At 2024 rates, the estimated pipeline costs are equivalent to more than 31,000 acre-feet of water deliveries. This far exceeds anticipated deliveries to Cottonwood Ranch in 2024, so no additional budget is included for water deliveries.

Seven of the eight water control structures at the Cottonwood Ranch project are solar powered, self-regulating gates manufactured by Rubicon. Gates are linked to a cellular SCADA system allowing EDO staff to remotely operate the gates and monitor their performance. Annual Rubicon gate maintenance will cost \$1,386 (\$198 per gate). The annual cost of the subscription to the remote-control software is \$3,500 (\$500 per gate). The annual maintenance and subscription will be budgeted at \$5,000 total for each year.

Electrical power service from Southern Power to power pipeline valves and other equipment is estimated to be approximately \$400 (~\$33.00 per month).

Some amount of annual maintenance will be necessary at the project site. This could include fixing berms or spillways that are damaged from high flows or precipitation events, re-seeding berms, replacing riprap,



or other things of this nature. The Nebraska Resources Development Fund Guidelines recommends budgeting 1.25% of the constructions costs per year for maintenance for projects similar to the broad-scale recharge project. Given the capital cost of the project (\$5,000,000), \$62,500 has been budgeted for general site and berm maintenance. In 2024, it is estimated that a portion (\$5,000-\$10,000) of this maintenance budget will be used to remove accumulated silt and vegetation debris from the Rubicon gate flumes.

It is estimated that about \$20,000 will be needed to install and instrument (i.e., data loggers and cables, telemetry units, etc.) two new groundwater monitoring wells on the east side of recharge Cell 8 to observe water table elevations at the project boundary.

During test fill operations in 2020 and again at project startup in March 2022, observations were made of the north and south pipeline outlet flows across the full range of valve opening settings. Unexpected cavitation—which can be damaging to the valves over time—was experienced for valve openings in the range of about 25% to 60%, limiting the ability to make water deliveries at mid-range levels. To date, the project has been operated with the outlet valves either 100% open or 20% or less. The proposed project budget for 2024 includes \$20,000 for engineering and \$100,000 for construction to resolve the cavitation issue and allow for the full range of delivery pipeline operations.



WPRT-4. Retiming Projects: Recapture Wells

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$300,000		

Task Description

Groundwater recapture projects are retiming projects utilizing the water from existing recharge operations, including those utilizing the Phelps County Canal, Elwood Reservoir, and Cottonwood Ranch. Recharge accretions are not controllable and may return to the river during excesses to target flows. Groundwater recapture allows the Program to pump intentionally recharged water to the river during shortage periods to maximize the deficit reduction provided by the previously recharged water.

Notes on Cost

The Program entered into a Water Augmentation Agreement with the Tri-Basin Natural Resources District (TBNRD) to construct and operate a network of wells to recapture water recharged through the Phelps County Canal, Elwood Reservoir, and the Cottonwood Ranch broad-scale recharge project. Construction of seven recapture wells and associated transmission pipelines was completed in 2023. Per the water service agreement with Tri-Basin NRD, all project operations costs will be reimbursed by the Program with no markup. The seven new wells have been operational since May 2022 and some of the annual project costs are now known, but annual electricity and maintenance costs remain highly uncertain.

Additionally, an Amendment to the Water Augmentation Agreement was approved by the Program's Governance Committee in March 2022 to incorporate the Program's existing Cook recapture well (constructed in 2016) into the new recapture network. Responsibility for operation and maintenance of the well was transferred to TBNRD, and all associated costs are to be reimbursed by the Program. Cost estimates in the table below reflect inclusion of all 8 Program recapture wells.

Item	Cost
Electricity	\$75,000
Well/Pipeline Maintenance	\$10,000
Tri-basin NRD Staff Time, Expenses, and Indirect Costs	\$25,000
Easements	\$12,000
SCADA system software subscription	\$2,000
TOTAL	\$ 124,000

The 2023 budget included \$200,000 for an Expanded Recapture Reconnaissance Study, and a contract for that amount was awarded to a team led by LRE Water through a competitive process. Work on the study commenced in September 2023. The contract for the study extends through August 31, 2024, and only about \$24,000 of project funds have been spent to date. The remaining balance of about \$176,000 is expected to be billed in 2024 and is therefore budgeted again for 2024. No funds are proposed for extension of this study beyond the current contract amount and completion date. The study is scheduled for completion by the end of August 2024 but it is not anticipated the GC would take immediate action on any recommendations that would require additional 2024 funding.



WPST-1. Storage Leases: Lake McConaughy Sources

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$1,648,000		

Task Description

The Program has leased surface water from CPNRD (since 2018) and NPPD (since 2019) under a succession of one-year agreements. The leased surface water is credited to the Lake McConaughy EA in October each year. Negotiations to secure long-term leases with CPNRD, NPPD, and (potentially) CNPPID at least through the end of the First Increment Extension in 2032 remain in progress. One-year agreements with CPNRD and NPPD are assumed again for 2024. Estimated WPST-1 leasing costs are summarized by source below.

Item	Cost
CPNRD Surface Water Lease	\$1,350,000
NPPD Surface Water Lease	\$298,000
CNPPID Storage Lease	\$0
TOTAL	\$1,648,000

Notes on Cost

The long-term lease agreements with CPNRD, NPPD, and CNPPID that were anticipated in the 2023 budget remain in progress and uncertain. While those negotiations continue, the Program assumes that another round of one-year agreements with CPNRD and NPPD will be pursued in 2024. Volume and unit cost terms are expected to remain the same as in the 2023 agreements. A one-year lease agreement with CNPPID for storage water is not expected.

Details of the anticipated 2024 CPNRD surface water lease are shown in the table below.

Item	Value
Unit Cost	\$90.00 per acre-foot
Assumed Volume	15,000 acre-feet
Budget¹	\$1,350,000

¹ Unit Cost × Estimated Volume, rounded to the next \$1,000

Details of the anticipated 2024 NPPD surface water lease are shown in the table below.

Item	Value
Unit Cost	\$90.00 per acre-foot
Assumed Volume	3,306 acre-feet
Budget¹	\$298,000

¹ Unit Cost × Estimated Volume, rounded to the next \$1,000.



WPST-2. Storage Leases: Upstream Sources

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$624,000		

Task Description

This line item includes leasing of surface water from sources upstream of Lake McConaughy, which presently consists of water leased from Wyoming's Pathfinder Municipal Account. Estimated WPST-2 leasing costs are summarized below.

Item	Cost
Pathfinder Municipal Account Lease	\$624,000
TOTAL	\$624,000

Notes on Cost

The Program has a contract with the Wyoming Water Development Office (WWDO) for water from the Municipal Account in Pathfinder Reservoir. The contract term extends until December 31, 2032. For 2024, the maximum water available from the Pathfinder Municipal Account is 9,600 acre-feet at a unit cost of \$65 per acre-foot, resulting in a budget of \$624,000.



WPIR-1. Irrigator Leases

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$310,000		

Task Description

The Program can temporarily lease surface water from individual irrigators under the CNPPID system. Irrigators then dryland farm or fallow the enrolled parcels, which are generally odd-shaped or hard-to-irrigate lands, during the term of the lease agreement. The consumptive use portion of the surface water—9 inches per acre during a full-allocation year—is available in Lake McConaughy and transferred into the EA for the Program. The CNPPID serves as the administrator, managing the individual lease agreements, processes, and operations.

The Program and the CNPPID had a 5-year water leasing agreement for the 2019-2023 irrigation seasons. In September 2023, the GC approved a one-year extension of the lease agreement with the same unit cost and maximum enrollment terms. The table below provides details of the CNPPID irrigator lease for 2024.

Item	Value
Water Leasing Agreement (One-Year Extension)	Expires December 31, 2024
Unit Cost	\$100 per enrolled acre
Maximum Enrollment	3,000 acres
CNPPID Administration Fee	\$10,000
Budget¹	\$310,000

¹ Unit Cost × Estimated Enrollment, plus CNPPID Administration Fee.

With full enrollment, the CNPPID irrigator lease would result in 2,250 acre-feet credited to the Lake McConaughy EA in October 2024. Actual cost and project yield will be based on irrigator lease enrollment for the 2024 irrigation season.



WPLW-1. General Maintenance of Land-for-Water Properties

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$21,000		

Task Description

This line item includes the funds necessary for general land management and maintenance activities at Program properties acquired for developing Water Action Plan projects, including the Lindstrom, Edlund, Lakeside, and Jensen tracts.

Notes on Cost

Associated tasks and individual budgets are shown in the table below. See **Appendix A** in this document for more detail.

Item	Cost
Fence & Road Maintenance	\$ 1,000
Noxious Weed Control	\$ 8,000
Mowing	\$ 1,000
Tracts W2016002 and W2017001 Electricity	\$ 100
Taxes	\$ 10,500
BUDGET	\$ 20,600 Round to \$21,000



WPWM-1. Water Monitoring Activities

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$42,000		

Task Description

The Program maintains a network of surface and groundwater monitoring locations equipped with manual and automated data loggers. Data from this network provides information on regional groundwater levels, river and wetland stage, and surface/groundwater interactions. In addition, the Program leases two weather stations and shares in the expense of maintaining three stream gages in the upper portion of the AHR. Estimated WPWM-1 costs are summarized by item below.

Item	Cost
Groundwater Monitoring	\$10,295
Cottonwood Ranch Stream Gages	\$20,000
Overton Stream Gage	\$5,000
Weather Station Maintenance	\$6,000
BUDGET	\$41,295 Round to \$42,000

Notes on Cost

The Program maintains two monitoring wells that provide essential data for the Phelps County Canal groundwater recharge project. These wells are equipped with telemetry units requiring a subscription to In-Situ's HydroVu data management service. Data loggers and other equipment require ongoing maintenance and replacement, as shown in the following table.

Item	Unit cost	Units	Quantity	Total
Hydro Vu subscription	\$240	ea.	2	\$480
Desiccant: Interra sSORB blue indicating silica gel	\$30	lbs.	5	\$150
Additional large desiccant containers	\$200	ea.	5	\$1,000
Staff gage replacements	\$35	ea.	4	\$140
Channel posts, 6'	\$10	ea.	10	\$100
PVC pipe for data logger installations, 2" dia.	\$25	ea.	5	\$125
In-Situ Level Troll maintenance/replacement	\$2,250	ea.	2	\$4,500
In-Situ Tube telemetry maintenance/replacement	\$1,500	ea.	2	\$3,000
In-Situ Troll Com	\$800	ea.	1	\$800
BUDGET				\$10,295

In addition to the items in this table, weather stations and stream gages have been installed at the request of the Program. Weather stations on the Program's Binfield South and Morse properties are maintained by Nebraska Mesonet at an annual cost of \$3,000 each. 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. 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.

The Program will also 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 \$5,000 based on past experience.

There are two entities in Nebraska that can establish official stream gaging stations, the USGS and the NDNR, and these stations must be official gaging stations to establish scientific rigor and credibility. Because there are no other options for establishing an official stream record through a competitive selection process, and because each entity is a government agency bound by their rules and regulations for providing their services and the associated costs, and because the USGS costs are comparable to the NDNR costs; therefore, these rates (total \$25,000) are considered fair and reasonable.



WPCP-1. North Platte Choke Point

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$300,000		

Task Description

The objective of this task is to achieve and maintain an active river channel capacity of 3,000 cfs on the North Platte River at North Platte. Channel capacity improvements will provide the Program with more flexibility in implementing flow tests made under the Program Science Plan and in delivery of Program water to meet shortage reduction to target flow goals under the Water Plan. WPCP-1 costs are summarized below.

Item	Cost
State Channel Berm Maintenance	\$10,000
TOTAL	\$10,000

Notes on Cost

Routine maintenance and repair of the state channel berm and the Albrecht property will include tasks such as mowing, minor earthwork repair, culvert cleanout, and channel debris maintenance, as needed to maintain project function.

The 2023 budget included \$400,000 for a new North Platte Chokepoint Study and a contract for that amount was awarded to a team led by Anderson Consulting Engineers through a competitive process. Work on the study commenced in May 2023. The contract for the study extends through June 30, 2024, and only about \$110,000 of project funds have been spent to date. The remaining balance of about \$290,000 is expected to be billed in 2024 and is therefore budgeted again for 2024.

No additional funds are proposed for additional new property acquisitions at or near the North Platte Chokepoint or for extension of the North Platte Chokepoint study currently underway beyond the current contract amount and completion date. The study is scheduled for completion by the end of June 2024 but it is not anticipated the GC would take immediate action on any recommendations that would require additional 2024 funding.



WPSA-1. EDO Special Advisors – Water Plan

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$20,000		

Task Description

The EDO 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 water infrastructure and design, structural, and hydrogeology/ground water. Estimated WPSA-1 costs are summarized by item below.

Item	Cost
Hydrogeology and Groundwater	\$10,000
Civil Infrastructure	\$10,000
BUDGET	\$20,000

Notes on Cost

Hydrogeology and Ground Water

Several projects include hydrogeologic elements that may require further expertise, including ground water recharge projects, ground water recapture pumping projects and other projects with a ground water component. Projects may include the Elwood Reservoir recharge project, the Phelps, CPNRD, and NPPD canal recharge projects, the recapture well network, and any COHYST or other groundwater model scenario runs. A specific hydrogeology and groundwater Special Advisor will be solicited and contracted on an as-needed basis.

Civil Infrastructure

Special Advisors in the area of civil infrastructure have been utilized by the EDO in the past for projects such as slurry wall gravel pits and analysis of proposed solutions to capacity constraints at the North Platte chokepoint. A specific civil infrastructure Special Advisor will be solicited and contracted on an as-needed basis.

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 GC and updated effective July 1, 2023, “Retention of special advisors to the ED of a technical or legal nature is exempt from the procurement 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 (ED) based on qualifications – education, relevant experience, expertise and skills, reliability, credibility, and ability to work effectively with the ED and the staff of the ED Office. 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 ED Office 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 an eight-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 GC. 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 finalization.



FY 2024 PRRIP SCIENCE PLAN BUDGET LINE ITEMS

LP-2. Habitat Restoration and Management Actions on Program Lands

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$336,900		

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. Specific management actions include tree clearing, nesting island maintenance, channel disking, herbicide application, and seeding. A summary of Program land work proposed for 2024 is included as **Appendix A** in this document.

Notes on Cost

The general breakdown of estimated costs for proposed Science Plan related management actions in 2024 is as follows. See **Appendix A** in this document for specific details by complex.

Location	Estimated FY24 Cost
Non-complex	\$65,074
Plum Creek Complex	\$40,883
Cottonwood Ranch Complex	\$30,703
Elm Creek Complex	\$16,969
Pawnee Complex	\$18,000
Fort Kearny Complex	\$48,522
Audubon Rowe Complex	\$15,000
Clark Island Complex	\$44,521
Shoemaker Island Complex	\$36,659
Chapman Complex	\$20,500
TOTAL	\$336,831 Round up to \$336,900



LP2-P. Trapping Projects

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$108,400		

Task Description

Mammalian predator trapping will be conducted under the existing agreement between the Program and USDA-APHIS. Mammalian predator trapping occurs at all managed tern and plover nesting sites to increase productivity within the AHR and beaver trapping occurs along the State Channel at the North Platte Choke Point maintain flow through the State Channel improvements. The effectiveness of predator management at off-channel tern and plover nesting sites, including mammalian trapping and removal, will be evaluated to address Extension Science Plan Big Question #9.

Notes on Cost

Based on the estimated costs for FY24 under a 5-year Cooperative Agreement with the USDA approved by the GC at the end of 2022 for services between March 2023 - February 2028 within the AHR. Costs for trapping at seven off-channel sand and water nesting sites for FY24, and additional trapping needs at the North Platte Choke Point are itemized as follows:

Category	Estimated FY24 Cost
Salary/Benefits	\$63,516.19
Vehicle/Transportation	\$15,201.00
Travel Cost	\$1,500.00
Equipment/Supplies	\$5,000.00
Subtotal	\$85,217.19
Pooled Costs (11%)	\$ 9,373.89
Overhead (16.15%)	\$ 13,762.58
Total	\$108,353.66 Round up to \$108,400

Products

- Increased tern and plover productivity from the AHR.
- Predator trapping data that will be summarized and included in the annual tern and plover monitoring report.
- Maintain flow conveyance at the North Platte Choke Point.



PD-22. Sediment Augmentation Implementation

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$500,000		

Task Description

Big Question #3 of the Extension Science Plan asks whether it is necessary to augment sediment below the J-2 return in the south channel to create and/or maintain suitable whooping crane habitat. In June of 2022, the GC directed a halt to sediment augmentation for 2023 and directed the EDO to hire an independent contractor to examine viability of modifications to the Jeffrey Island sand dam to pass sediment to the south channel during high flows. At the October 10-12, 2023, Quarterly TAC meeting and Fall ISAC meeting, both the TAC and the ISAC favored examining a broader set of alternatives for sediment augmentation. In addition, the TAC recommended continuing sediment augmentation in 2024, with the volume, location, and method of augmentation subject to continued discussion by the TAC and ISAC during the first half of 2024. TAC and ISAC meetings scheduled for January, February, and April of 2024 will allow incorporation of feedback from the ISAC and independent peer review of the Sediment Augmentation Synthesis Chapters during TAC discussions to inform recommendations made to the GC in June of 2024. For FY24 the TAC recommended putting money in the budget for an alternatives analysis and sediment augmentation implementation, contingent upon continuing TAC/ISAC discussion and GC approval.

Notes on Cost

The FY24 tasks and estimated costs for a passive sediment augmentation alternatives study and continued implementation of sediment augmentation in 2024 are as follows:

Task Description	Estimated FY24 Cost
TAC recommendation: Passive sediment augmentation alternatives study performed by independent contractor	\$250,000
TAC recommendation: 80,000 tons of sediment augmentation in the south channel above the Overton bridge	\$250,000
Total	\$500,000

Alternatives Study: Subject to TAC and GC approval in 2024, the Program will advertise a new technical study of the ability for transport of sediment from the north channel to the J2 Return channel through retrofitting of the sand dam and/or other alternatives to passively augment sediment. An RFP for the study will be released in early 2024 following committee approvals and a contractor will be selected in approximately April 2024. The study period is one year. The study may examine the following questions and may be modified by committee review prior to release.

- Identify modifications to the sand dam as well as other passive methods to increase sediment supply to the J2 Return Channel and reduce the need for mechanical augmentation.
- Evaluate the amount of sediment that could be supplied under different alternatives.
- Develop reconnaissance-level costs for alternatives.



- Evaluate channel response upstream and downstream of any structural alternatives including how sediment movement into the J-2 Return channel could affect the morphology of the north channel between Lexington and Overton bridges.

Sediment Augmentation: 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 previous years' experience, including FY22 with significantly increased costs compared to those prior to 2022. 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.

**WP-1 (b). *Phragmites* Control**

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$200,000		

Task Description

The objective of the Active Channel Capacity Improvements task is to fund management actions (primarily herbicide application) to prevent invasive vegetation infestation of the channel and maintain flow capacity and target species habitat. Channel capacity improvements will assist the Program in maintaining suitable on-channel roosting habitat for whooping cranes as well as make it easier to deliver Program water to and through the AHR. The effectiveness of herbicide application to control *Phragmites* expansion and maintain suitable whooping crane roosting habitat is being investigated as a part of Extension Science Plan Big Question #2.

Notes on Costs

The Platte Valley Weed Management Area estimates it will cost on the order of \$600,000 annually to control approximately 2,000 acres of phragmites within the Platte River Basin into perpetuity. It is estimated that \$200,000/year will be requested of and likely required by the Program for phragmites control to maintain or improve flow conveyance throughout the Platte River Basin to allow the Program to test FWS target flows and other Program flow management activities.

Annual cost breakdowns for allocation of the budget shown in Table below are based on control expenditures made by the Platte Valley Weed Management Area in previous years. The actual distribution of expenditures in any given year varies among categories and may include other categories associated with channel maintenance and enhancement such as river tillage operations for vegetation control in addition to herbicide-based control efforts.

Category	Amount	Approximate Unit Cost	Total Cost
Control (helicopter)	160 hrs.	\$2100/hr.	\$336,000
Control (Airboat)	450 hrs.	\$200/hr.	\$90,000
Herbicide	2,051 gals	\$85/gal	\$174,375
Total (Rounded)			\$600,000

Annual work activities will consist of control, removal, and monitoring of invasive vegetation within Platte River channels and its tributaries in Keith, Lincoln, Deuel, Dawson, Buffalo, Phelps, Hall, Merrick, and Polk counties. The activities will promote channel conveyance and desired vegetation communities by controlling invasive vegetation within the Platte River. By focusing on the entire system, the project will maximize resources through a collaborative partnership focused on rehabilitation of the active channel, promoting long-term maintenance, and developing an early detection and rapid response protocol to prevent re-infestations. An endowment is currently being established to provide long-term funding for this effort. Once the endowment is fully funded, phragmites and other noxious weed control within Platte River Channels would be perpetually funded. The Program supports this concept. It is anticipated that the Program will spend \$2.6 million on phragmites control during the Extension. Once an endowment is in place, the GC supports the concept of pledging these funds and contributing them to the endowment.



G-1. Remote Sensing Data Collection

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$305,200		

Task Description

Bathymetric LiDAR and aerial photography data collection for all Platte River channels within the Associated Habitat Reach (AHR) during the summer and fall. Field data collection and data reduction and analyses will be performed by the EDO. Remotely sensed products are utilized to measure habitat response to water management actions to address Extension Science Plan Big Questions 1-3, as well as identify habitat characteristics associated with whooping crane stopovers, stay lengths, and seasonal use of the Associated Habitat Reach as described in Extension Science Plan Big Questions 4-6. Remotely sensed products are used to check-in on First Increment learning about whooping crane riverine roost site and diurnal use site selection as well as plover and tern nesting site selection. Additionally, these products have been used to help develop tools for evaluation of hydrologic characteristics of wet meadow sites to address Extension Science Plan Big Question #10.

Notes on Cost

Budget estimates are based on an existing 4-year contract which expires at the end of 2023. A remote sensing RFP will be put out for competitive selection in early 2024. The FY24 tasks and estimated costs for data collection based upon the current contract are as follows:

Task Description	Estimated FY24 Cost
Summer aerial imagery	\$68,500
Fall aerial imagery and full reach bathymetric LiDAR	\$236,700
Total	\$305,200

Products

Processed LiDAR point data, three digital elevation models including topo-bathymetric bare earth, hydro-flattened bare earth, and highest hit, and 6-inch resolution 4-band (CIR and true-color) aerial photography. Collection specifications are identical for summer and fall acquisitions. Summer imagery acquisition coverage encompasses entire AHR within 3.5 miles of the channel. Fall imagery acquisition limited to channel areas. LiDAR coverage for all channels within the entire AHR.



TP-1. Tern & Plover Monitoring and Research

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$4,600		

Task Description

The EDO will implement the PRRIP tern and plover monitoring protocol during the 2024 nesting season. Monitoring efforts will be similar to 2023 and will include implementation of the monitoring protocol through outside monitoring efforts. The TAC recommended continuation of 2021-2023 predator monitoring and management efforts for 2024. Additional track surveys and camera monitoring of nests, shorelines, and predator fencing will be implemented to document predator presence and nest and/or brood predation. The research protocol for predator management, including predator exclosure fencing and predator deterrent lights will continue in 2024 to increase tern and plover nest and chick survival within the AHR. In addition to implementation of the tern and plover monitoring protocol, the EDO will also perform data analyses and annual reporting. The funding included in this line item provides the equipment required to assess the impact of predation on tern and plover productivity and the effectiveness of predator management actions the Program takes to improve productivity of terns and plovers as per Extension Science Plan Big Questions #8 and #9.

Notes on Cost

FY24 funding in this line item includes direct costs based on estimates for support of video monitoring and replacing and maintaining cameras and predator deterrent lighting that were damaged during the 2023 season. Materials to perform seasonal maintenance at off-channel nesting sites are included. Costs for miner safety training and MSHA certification as required for all staff monitoring terns and plovers at active mining sites are also included. Costs associated with personnel and vehicles are included in the ED-1 budget.

Expense Category	Estimated FY24 Cost
Direct Costs	
Nest, shoreline, site-level camera replacement	\$1600
Video camera monitoring (data and protection plan, batteries)	\$ 300
Camera supplies (SD cards, batteries, posts, avian spikes, zip ties)	\$1350
Predator deterrent lights	\$ 200
Seasonal site and fence maintenance supplies	\$ 200
MSHA certification	\$ 900
Total	\$4,550, round to \$4,600

Products

- Annual report detailing nest and brood activity, bird activity, and habitat conditions; data for long-term analysis of effects of Program actions.
- Data quantifying predator presence and impact on tern and plover productivity at off-channel sites within the AHR.
- Data on efficacy of predator exclosure fencing and predator deterrent lights for reducing predator presence on off-channel nesting sites and improving reproductive success of terns and plovers in the AHR.
- Data will be summarized in annual reports and final results will be published during the First Increment Extension.



WC-1. Whooping Crane Monitoring and Research

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$98,500		

Task Description

The EDO will implement the PRRIP whooping crane monitoring protocol, perform data analyses and reporting for the spring and fall 2024 monitoring seasons. The GC approved a change in PRRIP's monitoring dates at their June 2023 meeting. Beginning in 2024, the spring monitoring period will run from March 5 through April 19, shortening this monitoring period from 55 to 46 days. The fall monitoring period will run from October 15 through November 18, shortening this monitoring period from 38 to 35 days. Within these shorter survey windows monitoring efforts will be similar to 2023 and will include implementation of the monitoring protocol through systematic aerial monitoring efforts with ground confirmations, as necessary. The monitoring data collected will be used to address Extension Science Plan Big Questions #4 - #6 as well as provide First Increment learning check-ins on whooping crane roost site and diurnal use site selection.

Notes on Cost

FY24 funding in this line item includes direct costs associated with aircraft rental and pilot services. Costs are based on past aerial flight services contracted through a competitive selection process. The shorter monitoring periods were accounted for in estimating 2024 costs. Costs associated with personnel (other than the pilot) and vehicles are included in the ED-1 budget. The budget for spring and fall 2024 aerial flight surveys is as follows:

Expense Category	Estimated FY24 Cost
FY24 Spring Whooping Crane Monitoring	
Direct Costs (aircraft rental with pilot, equipment, etc.)	\$56,000
FY24 Fall Whooping Crane Monitoring	
Direct Costs (aircraft rental with pilot, equipment, etc.)	\$42,500
Total	\$98,500

Products

Spring and fall 2024 Whooping Crane Reports detailing monitoring effort, whooping crane use locations, numbers of individuals sighted, and habitat conditions associated with sightings
Data for long-term analysis of effects of Program actions.



PS-1. Pallid Sturgeon Monitoring and Research

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$511,700		

Task Description

Extension Big Question #7 asks what effects Program water management for target species in the central Platte may have on pallid sturgeon use of the lower Platte River. In June of 2021, the GC approved a 3-step framework for addressing this Big Question, the first step of which was research to gather information on lower Platte pallid sturgeon habitat, spawning, and genetics. The EDO will coordinate two research efforts dedicated to filling Program information gaps for pallid sturgeon. Genetics research by Dr. Ed Heist at Southern Illinois University, Carbondale, is designed to address issues with pallid sturgeon identification, hybridization, population structure and dynamics. Habitat and spawning research by Dr. Mark Pegg, Dr. Jonathan Spurgeon, and Kirk Steffensen at the University of Nebraska, Lincoln, is expected to provide data on the contribution of the lower Platte River to pallid spawning habitat, reproduction, recruitment, and population dynamics. This research will also provide information on seasonal pallid movements in and out of the lower Platte River and help quantify the environmental patterns (flow, temperature, turbidity) associated with these movements.

In fall 2022 the current PRRIP remote sensing contractor collected bathymetric LiDAR on the lower Platte River (LPR) to be used by an independent contractor to develop a 2D hydrodynamic river model for the LPR. These data and the subsequent model will be used to help inform ongoing pallid sturgeon habitat research on the LPR and to help match LPR flow, Program flow management, and pallid sturgeon habitat/use in the LPR for the PRRIP Water Management Study as described in the Pallid Sturgeon Agreement Framing Document, as approved by the GC in June 2021.

Notes on Cost

Genetics research in 2024 includes costs associated with genetic sequencing of 1,000 samples, supplies, and a graduate student research assistantship. Habitat and spawning research in 2024 include costs associated with two graduate student research assistantships, two field technicians, and a research associate as necessary to provide sampling support during spawning season. Equipment, travel, supplies, boat storage rental space, facilities and administration costs are also included. An independent contractor was selected in 2023 to develop a 2D hydrodynamic river model for the LPR during 2024.

The budget for 2024 is as follows:

Expense Category	Estimated FY24Cost
Genetic research – GC Approved SIU Contract Year 3	
Supplies & labor at \$45/sample for 1000 samples	\$45,000
Habitat & spawning research – GC Approved UNL Contract Year 3	
Personnel, Support, Facilities & Administration	\$147,686
Equipment, Travel, Supplies, Facilities & Administration	\$69,014
Habitat Modeling – GC approved HDR 1 Year Contract	
2D Hydraulic Modeling using LPR LiDAR data	\$250,000
Total	\$511,700



Products

- Research products will include annual report and presentation of results, accomplishments, and interpretations. Presentations at regional pallid sturgeon meetings and American Fisheries Society meetings are also expected.
- The genetics research is expected to focus field efforts on tracking and collection of habitat and spawning information for genetically identified pallid sturgeon. It will also address important issues related to species identification, hybridization, population structure and population demographics. Results will be widely applicable to the conservation stocking program, wider field efforts to characterize pallid sturgeon habitat, and population viability assessments. As such, we expect this research to contribute to a more focused and efficient management plan for this species.
- Habitat and spawning research is expected to fill knowledge gaps about lower Platte River contribution to pallid spawning habitat, reproduction, recruitment, and population dynamics, including the documentation of successful spawning on the Platte River (in conjunction with genetics research) and identification and description of pallid spawning habitat. An extensive passive telemetry network is expected to provide information on seasonal pallid movements in and out of the lower Platte River and help quantify the environmental patterns (flow, temperature, turbidity) associated with these movements.
- Development by an independent contractor of a 2D hydrodynamic river model using lower Platte River LiDAR data acquired in fall 2022. That model will be used to inform UNL habitat research and for development of the PRRIP Water Management Study as outlined in the June 2021 Pallid Sturgeon Agreement Framing Document.



G-5. Geomorphology & Vegetation Monitoring and Research

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$258,900		

Task Description

The effectiveness of inundating the channel during the growing season to suppress germination of perennial woody species such as cottonwoods and willows as well as slowing *Phragmites* expansion to maintain suitable whooping crane roosting habitat is being investigated as a part of Extension Science Plan Big Questions #1 - #2. Monitoring and mapping of *Phragmites* patches to document changes in *Phragmites* patch size in response to natural flows, target flows, and all AMP-related flow management activities will be conducted throughout the growing season. Stage gages will be installed at *Phragmites* monitoring field sites to monitor water surface elevations and validate modeled water surface elevations used to quantify inundation of *Phragmites* patches. Time-lapse camera data will be collected to monitor the efficacy of natural flows, target flows, and all AMP-related flow management activities at reducing vegetation establishment or removing vegetation from the channel. Together, these efforts are designed to measure efficacy of Program management to reduce vegetation expansion into the river channel and maintain or improve whooping crane roosting habitat suitability throughout the AHR. The *Phragmites* research will be conducted by an independent contractor in 2024. All other vegetation-related data collection and analyses will be performed by the EDO.

Recent evaluations of effectiveness of sediment augmentation identified a breakthrough channel connecting the north channel to the south channel of the Platte River between the J2 Return channel and the Overton bridge. This breakthrough channel has served as a source of flow and sediment under conditions of high flow and is suspected to have played a role in channel degradation at station 7000 in the J2 Return reach. In 2023, this breakthrough channel also conveyed water and sediment between these reaches. To better understand the role of this channel in flow and sediment conveyance, stage gages will be installed in the breakthrough channel to document flow through this channel. This information can be combined with LiDAR to monitor the evolution of this channel and further evaluate the conditions under which it serves as a source of flow and sediment for the J2 Return channel.

Notes on Cost

An RFP and Scope of Work will be developed and advertised for *Phragmites* research in early 2024, for work to begin in April of 2024. The estimated cost is based upon a senior level spatial data analyst and two field technicians for sequential *Phragmites* patch mapping over the growing season in three study reaches. Estimated costs also include equipment (RTK, field laptop, software, distance wheel, measuring and marking tape, etc.), vehicle costs, housing, and meal expenses. Total annual *Phragmites* project cost is estimated to be approximately \$250,000. FY24 estimated cost for acquiring, installing, and maintaining five stage gages to monitor the breakthrough channel connecting the N channel to the J2 Return channel and collect data on water surface elevation at *Phragmites* field sites is estimated at \$8,100. The FY24 estimated cost for acquiring, maintaining, and installing time-lapse cameras on the bank line of Program Habitat Complexes is estimated to be \$800.



Expense Category	Estimated FY24 Cost
Phragmites Research Project	
Senior level spatial analyst	\$90,000
Field technicians (2)	\$110,000
Equipment (RTK, laptop, software, measuring and marking tapes)	\$10,000
Vehicle	\$25,000
Housing	\$10,000
Meals	\$5,000
Phragmites Research Subtotal	\$250,000
Geomorphology and Vegetation Response to Flow	
Stage gages at Phragmites field sites (3)	\$8,100
Time-lapse camera supplies (SD cards, batteries, posts, zip ties)	\$800
Geomorphology and Vegetation Response to Flow Subtotal	\$8,900
Total	\$258,900

Products

- A spatially explicit dataset including shapefiles of monitored *Phragmites* patches through time, patch characteristics such as area, height, density, composition, phenological stage, and plant health as response variables associated with data collected on elevation, river flow and stage, patch inundation, distance to water, herbicide application, and mechanical management.
- Flow and stage data at the breakthrough channel to be integrated into ongoing evaluations of channel geomorphology within the J2 Return reach.
- Time-lapse imagery of channel inundation flows and vegetative response.
- Data will be assessed annually to produce an annual report of results in addition to providing data for long-term analysis of effects of Program actions.



PD-15. Environmental Permitting

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$50,000		

Task Description

Contract services to secure or maintain environmental permits associated with adaptive management and/or water projects.

Notes on Cost

HDR was awarded a contract for permitting services in 2022 that expires on 12/31/2025. The multi-year contract amount was \$200,000 and specific dollar amounts were developed for specific services, as needed. Estimated annual costs for 2024 remain at \$50,000 based on previous permitting work for the Program and are high enough to ensure enough budget is available to account for unforeseen eventualities in the permitting process that could slow down permit acquisition.



IMRP-3. EDO Special Advisors – Science Plan

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$120,000		

Task Description

- **Terrestrial Animal Movement Ecology/Telemetry (TBD)** – A Special Advisor to the EDO on Science Plan-related specialty topic of animal movement ecology (with emphasis on movement through terrestrial landscapes, migration, and analysis of telemetry data) will be retained to review Program documents, research/monitoring design, modeling, and data analysis as well as attend and provide feedback at workshops and meetings. This special advisor will be retained to specifically address Extension Big Questions #4 - #6 on the factors important for whooping crane stopovers, stay length, and to address differences in seasonal patterns of movement.
- **Aquatic Animal Movement Ecology/Telemetry (TBD)** – A Special Advisor to the EDO on Science Plan-related specialty topic of animal movement ecology (with emphasis on movement through aquatic landscapes and analysis of telemetry data) will be retained to review Program documents, research/monitoring design, modeling, and data analysis as well as attend and provide feedback at workshops and meetings. This special advisor will be retained to specifically address Extension Big Question #7 on the factors important for pallid sturgeon movement into, within, and out of the lower Platte River and its tributaries.
- **Structured Decision-Making (SDM) (TBD)** – A Special Advisor to the EDO to work toward early SDM process and tool development in preparation for Second Increment Negotiations. Early planning and tool development will help ensure the Science Plan is addressing data needs to assess priorities, tradeoffs, and consequences related to learning from the Extension and its relevance to Second Increment negotiations.

It is anticipated that Special Advisors will be retained in the first or second quarter of 2024 after consultation with the ISAC, the TAC, and/or others with recommendations for individuals to consider.

Notes on Cost

This FY24 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 8-hour Days	FY24 Total
TBD	Terrestrial focus - Animal movement ecology; telemetry; factors influencing animal movement through terrestrial landscapes	\$225	20	\$36,000
TBD	Aquatic focus - Animal movement ecology; telemetry; factors influencing animal movement through aquatic landscapes	\$225	20	\$36,000
TBD	Structured Decision-Making	\$225	20	\$36,000
Other Direct Costs (i.e., travel and expenses for 2024 Science Plan Reporting Session, trips to Kearney, NE, etc.)				\$12,000
Total not to exceed				\$120,000



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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. 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 discussed with the appropriate Advisory Committees, the Finance Committee, and the Governance Committee. Input is 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.

Products

Review of Program documents, advice on specific actions related to Science Plan and Water Plan implementation, participation in requested Program meetings (TAC meetings, ISAC meetings, annual Science Plan Reporting Session, etc.).



ISAC-1. ISAC Stipends & Expenses

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$240,000		

Task Description

The EDO proposes the following 2024 ISAC activities:

- 1) 2024 PRRIP Science Plan Reporting Session in Omaha, NE (in-person); February 20-22, 2024
- 2) ISAC participation in March 2024 GC Quarterly Meeting (virtual)
- 3) 2024 PRRIP Summer ISAC Meeting in Kearney, NE (in person); July 2024
- 4) Additional meeting participation, document review, and/or specific ISAC member input as directed by the GC and EDO (virtual meetings/discussion as necessary)

Notes on Cost

The budget for work to be completed by the ISAC during 2024 is detailed below:

ISAC Cost Item	Estimated FY24 Cost
2024 PRRIP Science Plan Reporting Session (Omaha, NE; February 20-22, 2024): <ul style="list-style-type: none">• In-person meeting to discuss status of Science Plan implementation and annual State of the Platte Report• 4-day meeting (3 days meeting, 1 day travel) = \$225/hour x 8-hour day x 4 days x 6 ISAC members = \$43,200• Meeting prep & post-meeting discussion = \$225/hour x 8-hour day x 2 days x 6 ISAC members = \$21,600• Travel expenses = \$1,300 flight + \$700 additional (hotel, meals, airport parking, ground transportation) = \$2,000 x 6 ISAC members = \$12,000	\$76,800
March 2024 PRRIP GC Quarterly Meeting: <ul style="list-style-type: none">• ISAC members attend GC Quarterly Meeting virtually to discuss recommendations and guidance from Science Plan Reporting Session; Chair and Vice Chair make presentation to GC on behalf of ISAC• 1-day meeting = \$225/hour x 8-hour day x 6 ISAC members = \$10,800	\$10,800
2024 Summer ISAC Meeting (Kearney, NE; July 2024): <ul style="list-style-type: none">• In-person meeting to discuss status of Science Plan implementation and to support ISAC member field trips to PRRIP implementation and science activities on the ground• 4-day meeting (3 days meeting, 1 day travel) = \$225/hour x 8-hour day x 4 days x 6 ISAC members = \$43,200• Meeting prep & post-meeting discussion = \$225/hour x 8-hour day x 2 days x 6 ISAC members = \$21,600• Travel expenses = \$1,300 flight + \$700 additional (hotel, meals, airport parking, ground transportation) = \$2,000 x 6 ISAC members = \$12,000	\$76,800
Additional Document Review, Specific ISAC Member Input, and/or Additional Virtual Meetings: <ul style="list-style-type: none">• Review Program documents/products and provide specific guidance as requested by GC, TAC, and EDO• \$225/hour x 8-hour day x 5 days x 6 ISAC members = \$54,000	\$54,000



ISAC Chair and Vice Chair: <ul style="list-style-type: none">• Additional time to work with PRRIP EDO between ISAC meetings to coordinate ISAC discussion and prepare presentations/documents for the GC• \$225/hour x 8-hour day x 4 days x 2 ISAC members = \$14,400	\$14,400
Additional ISAC Budget Items: <ul style="list-style-type: none">• Additional time for ISAC Co-Chair to participate on the ISAC Selection Panel to assist with efforts to identify and recommend a new ISAC member to replace David Galat = \$3,000• David Galat's participation (time + expenses) in the July 2024 Summer ISAC Meeting in Kearney, NE to provide handoff to new ISAC member (river ecology with pallid sturgeon expertise), provide final advice to PRRIP, and be recognized for many years of ISAC service = \$4,200	\$7,200
TOTAL	\$240,000

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 Ph.D. senior level scientists revealed rates routinely in the range of \$150 to \$300 or more on an hourly basis. The EDO proposes keeping the approved FY2023 rate of \$225/hour for FY2024. 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 PRRIP 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 PRRIP Procurement Policy.

It is anticipated the 2024 Science Plan Reporting Session in Omaha, NE and the 2024 Summer ISAC Meeting in Kearney, NE will be conducted in-person but a final decision on the meeting format will be made based on local and national health conditions, travel restrictions, and ISAC member willingness and ability to travel. Additional ISAC meetings and discussions will be held virtually in Teams.



Extension ISAC Membership

The following table describes an updated ISAC membership and rotation schedule for the remainder of the Extension:

Area of Expertise	Extension ISAC Membership
<u>ISAC Seat #1:</u> Ecological statistics	July 2022-June 2025: Jennifer Hoeting, Ph.D. July 2025-June 2028: renew Jennifer Hoeting, Ph.D. July 2028-June 2031/2032: new or renew member
<u>ISAC Seat #2:</u> Adaptive management & decision-making	July 2022-June 2025: Dave Marmorek, M.SC. July 2025-June 2028: new member July 2028-June 2031/2032: new or renew member
<u>ISAC Seat #3:</u> Big river/fish ecology (pallid sturgeon focus)	July 2022-June 2024: David Galat, Ph.D. July 2024-June 2027: new member July 2027-June 2030: new or renew member July 2030-June 2032: new or renew member
<u>ISAC Seat #4:</u> Avian ecology (whooping crane focus)	July 2022-June 2025: Aaron Pearse, Ph.D. July 2025-June 2028: renew Aaron Pearse, Ph.D. July 2028-June 2031/2032: new or renew member
<u>ISAC Seat #5:</u> Fluvial geomorphology (vegetation focus)	July 2022-June 2025: Michal Tal, Ph.D. July 2025-June 2028: renew Michal Tal, Ph.D. July 2028-June 2031/2032: new or renew member
<u>ISAC Seat #6:</u> Fluvial geomorphology (sediment/morphology focus)	July 2023-June 2026: Alan Kasprak, Ph.D. July 2026-June 2029: renew Alan Kasprak, Ph.D. July 2029-June 2032: new or renew member

The rotation described above include the following structural and procedural considerations:

- Dr. David Galat will cycle off the ISAC as of June 2024. Dr. Chadwin Smith of the EDO will work with the ISAC Selection Panel (Merrill, Riley, Freeman, Lawrence, Hoeting) to identify, evaluate, interview, and recommend for appointment a new ISAC member to replace Dr. Galat. The intended area of expertise to be sought will be large river ecology, with particular experience with or expertise in fisheries ecology. Experience with or expertise in pallid sturgeon use of and behavior in Missouri River tributaries including the lower Platte River in Nebraska and the Yellowstone River in Montana and North Dakota would be beneficial but not required.
- Term length and appointment/re-appointment is solely at the discretion of the GC.
- The area of expertise represented by each ISAC seat is subject to change throughout the remainder of the Extension based on Program science priorities and guidance from the EDO, TAC, and GC.

Products

ISAC review of the Extension Science Plan and implementation of that plan, experimental design, monitoring, data analysis and synthesis, and other Program science products and activities; work will culminate in reports and presentations to the GC.



PD-3. PRRIP Peer Review & Publications

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$93,000		

Task Description

- Three (3) PRRIP peer reviews – Wet Meadow Hydrology Report (Extension Big Question #10), Sediment Augmentation Data Synthesis Compilation (Extension Big Question #3), 5-yr update on First Increment learning about Whooping Crane Roost Site Selection
- Publication of four (4) Program manuscripts.

Products

- Three (3) PRRIP peer review reports.
- Four (4) publications in refereed journals.

Notes on Cost – Peer Review

This budget item includes two parts: carryover budgeting for two peer processes that begin in late 2023 and that will not be complete (and thus peer reviewers will not be paid) until spring or early summer 2024, and a new peer review process that will start in 2024.

Dr. Chadwin Smith of the EDO is facilitating the ongoing peer review of the Wet Meadow Hydrology Report and the Sediment Augmentation Data Synthesis Compilation. Expected peer review activities for these two documents in 2024 include:

- Manage the peer review process – provide document to be reviewed; communicate with panelists including at least one (1) virtual meeting in Teams to discuss review comments and improved the effectiveness of the final products of the Program’s peer review process.
- Summarize all comments from each peer review panel.
- Facilitate discussion with the TAC regarding each final report; work with EDO staff to incorporate changes based on peer review comments.
- Collate all information into final report for discussion with and approval by the GC.

Dr. Smith will also facilitate the new peer review of the whooping crane (WC) roost site selection analysis. This peer review is anticipated to begin in the first or second quarter of FY24 and be complete by the end of 2024: Expected peer review activities for this document in 2024 include:

- Identify peer review candidates; review peer review comments; develop responses to peer review comments; and edit reviewed documents based on peer review comments.
- Work with the Peer Reviewer Selection Panel (same as the ISAC Selection Panel) to recommend at least three (3) candidates for each peer review panel according to appropriate areas of expertise. TAC review and GC review and approval required prior to beginning any review.
- Peer review candidate recommendations will come in the form of background information for all potential candidates, clear demonstration of on-point expertise, and signed conflict of interest statements for all potential candidates.
- Secure completed and signed contracts with each peer reviewers.



- Manage the peer review process – develop Scope of Work; provide document to be reviewed; communicate with panelists including at least one (1) virtual meeting in Teams to discuss review comments and improved the effectiveness of the final products of the Program’s peer review process.
- Summarize all comments from each peer review panel.
- Facilitate discussion with the TAC regarding each final report; work with EDO staff to incorporate changes based on peer review comments.
- Collate all information into final report for discussion with and approval by the GC.

Cost estimates are based on prior years’ experience with peer review panels and with the ISAC. Peer review panel members are expected to be of the same caliber and stature as ISAC members. Thus, we used the ISAC rate of \$1,800/day for roughly a five-day period to estimate the stipend for serving as a PRRIP peer review panelist – three days to review document(s) in question and two days to compile comments, submit those comments to the Program, and discuss comments/questions with the other peer review panel members and Dr. Smith.

For FY24, estimated peer review expenses are:

Document	# Reviewers	Per Reviewer Cost (\$225/hr. x 8-hour day x 5 days)	Total Peer Review Panel Cost
TAC Recommended, GC Approved - Wet meadows hydrology data analysis report	3	\$9,000	\$27,000
TAC Recommended - Sediment augmentation experimental design/approach and effectiveness synthesis report	3	\$9,000	\$27,000
WC roost site selection analysis	3	\$9,000	\$27,000
FY24 Total			\$81,000

Notes on Cost – Publication

Publication estimate of \$3,000 per manuscript for open-access publication based on professional publication experience of EDO staff; costs could be higher or lower depending on the journal. The EDO expects to seek GC approval to publish:

- Manuscript on Wet Meadows Hydrology based on Program research.
- Manuscript based on Sediment Augmentation Synthesis Report.
- Manuscript on Whooping Crane Riverine Roost Site Selection.
- Manuscript on Whooping Crane Diurnal Use Site Selection (Rerunning WEST Report analysis with refined landcover dataset from Baasch et al. 2022 Ecotope article).



For FY24, estimated publication expenses are:

Potential Manuscript	Author	Manuscript Type	Target Journal	FY24 Cost
Wet Meadows Hydrology	EDO	Hydrology Groundwater Modeling	<i>TBD</i>	\$3,000
Sediment Augmentation Synthesis Report	EDO	Geomorphology	<i>Geomorphology</i>	\$3,000
Whooping Crane Riverine Roost Site Selection	EDO	Ecology	<i>TBD</i>	\$3,000
Whooping Crane Diurnal Use Site Selection	EDO	Ecology	<i>TBD</i>	\$3,000
Total				\$12,000



PD-11. Science Plan-related Workshops

YEAR	BUDGET	BUDGET ADJUSTMENTS	EXPENDITURES
2024	\$45,000		

Task Description

In-person Science Plan Reporting Session in Omaha, NE, in February 2024 to discuss status of Science Plan implementation and annual State of the Platte Report. In-person ISAC summer meeting in Kearney, NE, in July 2024 to discuss status of Science Plan implementation and to support ISAC member field trips to PRRIP management and science activities on the ground.

Notes on Cost

EDO facilitation of all meetings with *in-person* and *virtual* options for participation. Estimated FY24 costs include:

Expense Category	Estimated FY24 Cost
2024 Science Plan Reporting Session	
1 meeting over 3 days @ \$10,000/day (room rental, projector & screen rental, phone charges, refreshments, breakfast food, lunch food, evening meals, etc.), Omaha, NE	\$30,000
2024 ISAC Summer Meeting	
1 meeting over 3 days @ \$4,600/day (field visits, refreshments, meals, etc.), Kearney, NE	\$15,000
Total	\$45,000

General Notes on Meeting Costs

It is anticipated the 2024 Science Plan Reporting Session in Omaha, NE and the 2024 Summer ISAC Meeting in Kearney, NE will be conducted in-person but a final decision on the meeting format will be made based on local and national health conditions, travel restrictions, and ISAC member willingness and ability to travel.

These estimated costs are based on actual expenditures in FY23 for the Science Plan Reporting Session in Omaha, NE at the same location (Omaha Marriott) and for the 2023 Fall ISAC Meeting in Kearney, NE. The estimated cost for the 2024 Science Plan Reporting Session is also based on input from the contracting entity at the Omaha Marriott, who suggested an estimate of \$25,000. That estimate is based on recent price increases for food, beverages, and facilities over and above the final bill for the 2023 Science Plan Reporting Session which was \$21,000.

Products

- PRRIP responses to ISAC comments/questions via the EDO.
- Updated Science Plan implementation and evaluation approaches based on ISAC feedback.



APPENDIX A – PRRIP FY2024 Annual Land Work Plan

2024 Land Budget Overview

Platte River Recovery Implementation Program

10/23/2023

Land Budget Overview By Budget Line Item

Budget Line Item	Description	Estimated Expenditure*
LP-2	Adaptive Management Species Habitat Actions	\$336,831
LP-3	New Land Acquisitions, LHIE Fees, & Property Taxes	\$853,000
LP-4	Property Maintenance & Agricultural Operations	\$357,900
LP-6	Land Plan Special Advisors	\$25,000
LP-7	Public Access Management	\$40,000
	Total	\$1,612,731
WPLW-1	Property Taxes & Maintenance for Water Properties	\$20,600

* The budget items have been reviewed and approved by the LAC on October 19,2022

Budget Overview By Complex

Complex	Estimated Expenditure	Estimated Income
Non-Complex Tracts	\$75,774	\$20,300
Plum Creek "Complex"	\$75,883	\$6,500
Cottonwood Ranch Complex	\$59,203	\$23,645
Elm Creek Complex	\$46,969	\$15,345
Pawnee Complex	\$25,000	\$4,150
Fort Kearny Complex	\$147,522	\$40,650
Minden-Gibbon Complex	\$15,000	\$0
Clark Island Complex	\$55,021	\$41,500
Shoemaker Island Complex	\$43,359	\$43,000
Chapman Complex	\$151,000	\$43,500
Water Properties	\$20,600	\$10,500
Total	\$715,331	\$249,090

Budget Priority Areas by Budget Line Item

LP-2 – Adaptive Management Species Habitat Actions: Species habitat priorities are focused on creation and maintenance of suitable complex and non-complex habitat for Program target species. Includes Habitat Enhancement at

LP-3 – New Land Acquisitions: Land acquisition priorities include identification and acquisition of lands for construction of an additional 60 acres of off-channel sand and water habitat for least tern and piping plover nesting habitat and identification and acquisition of lands that could count towards the First Increment Extension habitat land "plus up" of

LP-4 – Property Maintenance & Agricultural Operations: 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

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.

WPLW-1 – Property Maintenance for Water Properties: 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

Property Identification Key:

2008001 – PRRIP Wyoming Property
2008002 - NPPD Cottonwood Ranch
2009001 – PRRIP Fox Tract
2009002 – PRRIP Bartels Tract
2009003 - PRRIP Dyer Tract
2009004 – PRRIP Hostetler Tract
2009005 – PRRIP McCormick Tract
2009006 - PRRIP Stall Tract
2009007 - PRRIP Cook Tract
2009008 - PRRIP Broadfoot Newark Tract
2010001 - PRRIP Morse Tract
2010002 - Broadfoot Kearney South Tract
2010003 – PRRIP Sherrerd/Clark Easement
2010004 – PRRIP Binfield Tract
2011001 - PRRIP East Leaman Tract
2011002 - PRRIP Follmer Alda Tract
2012001 – PRRIP Sullwold Tract
2012002 – PRRIP Johns Tract
2012003 – PRRIP Blessing Tract
2012004 - PRRIP DeBore Tract
2013001 - PRRIP Liehs Tract
2014002 - PRRIP Volentine Tract
2015001 – PRRIP Speidell Tract
2015002 - PRRIP BELF Tract
2015003 – PRRIP Blue Hole East
2018001 – PRRIP Dippel Tract
2019001 – PRRIP Robinson Tract
2020001 – PRRIP Bergren Tract
2020002 - PRRIP Lex Pit Tract
2021001 – PRRIP Meyer Tract

W201602 – PRRIP Lindstrum Tract

W201701 – PRRIP Edlund Tract

W201702 - PRRIP Albrecht Tract

W201703 - PRRIP Lakeside Tract

Personnel Responsibility Key

MH – Malinda Henry (Director of Biological and Ecological Services)

JJ – Jim Jenniges (NPPD)

TT – Tim Tunnell (Senior Land Manager)

ST – Seth Turner (Senior Water Resources Engineer)

EW – Ed Weschler (Water Resources Engineer)

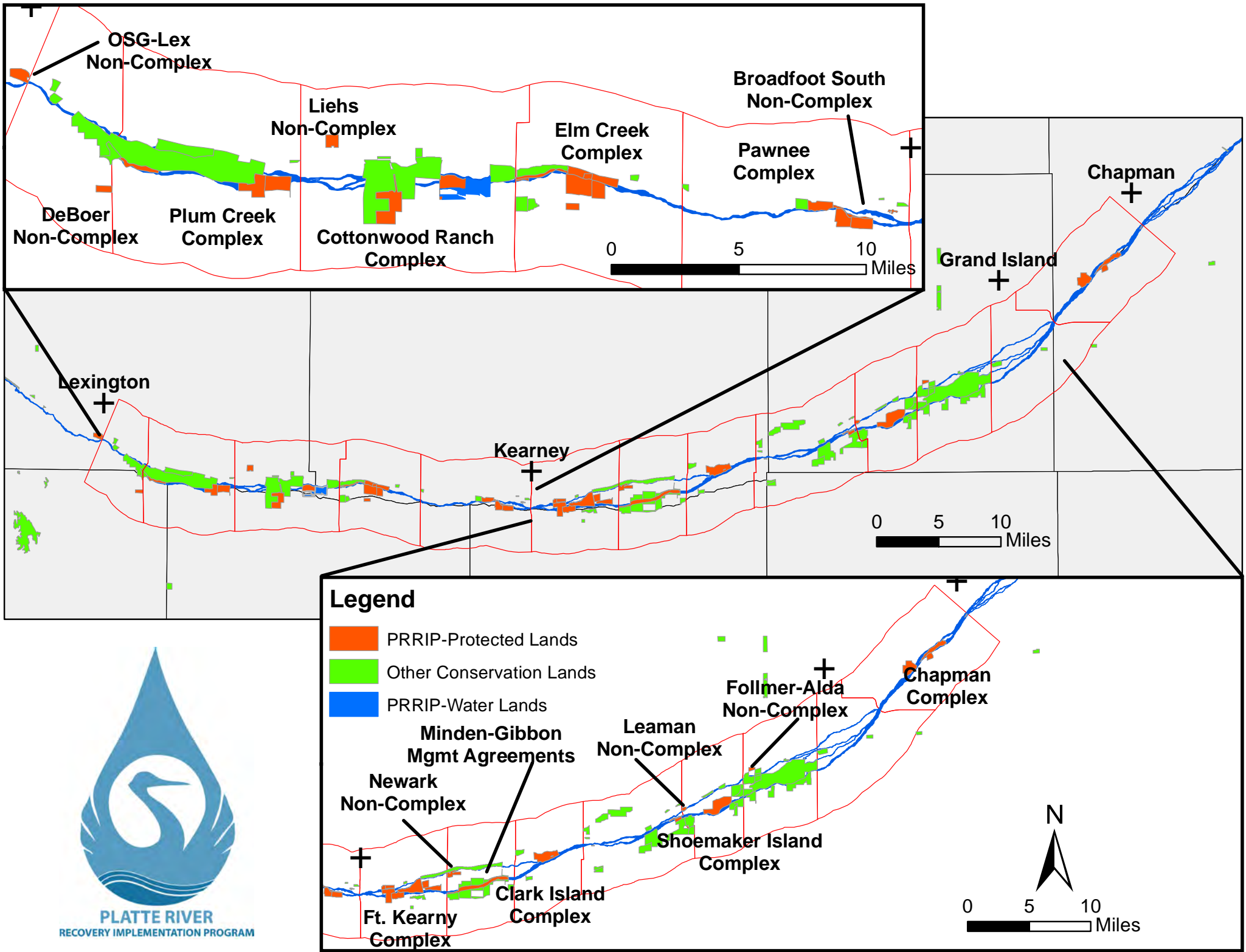
Land Budget Overview By Priority Area

LP-2	Priority Area: Species Habitat		Total	%
	Item(s): Maintain Suitable In- and Off-Channel Sand & Water Habitat	Herbicide applications on OCSW peninsulas to maintain bare sand nesting habitat	\$42,500	13%
		Maintenance of Predator Exclusion Fencing	\$45,000	13%
		In-channel tree. Cattail, herbicide spraying	\$2,000	1%
	Item(s): <i>Improve Target Species Sand and Water Habitat</i>	Herbicide treatment on south bank to kill vegetation	\$17,000	5%
		Disking if necessary to provide in-channel vegetation	\$57,000	17%
		Irrigation Well Pumping	\$7,000	2%
	Item(s): <i>Maintain Suitable Palustrine Wetland Habitat</i>	Brush, tree, cattail & phrag herbicide spraying	\$40,000	12%
		Prescribed Burning	\$126,331	38%
Total			\$336,831	100%

LP-3	Priority Area: Land Acquisitions , LHIE Fees, & Property Taxes		Total	%
	Item(s): Land Acquisition, Property Taxes and Associated Fees	Land interest holding entity (LIHE)	\$65,000	8%
		Property Taxes	\$165,000	19%
		Land Acquisition Associated Costs	\$23,000	3%
		Buy, Lease or Easement (~100 acres)	\$600,000	70%
Total			\$853,000	100%

LP-4	Priority Area: Operations and Maintenance		Total	%
	Item(s): <i>Basic Property Maintenance Obligations and Needs</i>	Tract 2021001 Homesite Demo	\$100,000	28%
		Fence & Road Maintenance	\$44,000	12%
		Fix WY Flow Split & Speidell Erosion	\$79,000	22%
		Noxious Weed Control	\$71,000	20%
		Mowing	\$30,500	9%
		Lodge & Quonset Utilites & maintenance	\$25,000	7%
		Cabin Utilites & maintenance	\$5,000	1%
		Electricity for Livestock wells	\$3,400	1%
Total			\$357,900	100%

WPLW	Priority Area: Water Tract Operations and Maintenance		Total	%
	Item(s): Basic Property Maintenance Obligations and Needs	Fence & Road Maintenance	\$1,000	5%
		Noxious Weed Control	\$8,000	39%
		Mowing	\$1,000	5%
		Electricity for Livestock wells	\$100	0%
		Property Taxes	\$10,500	51%
Total			\$20,600	100%



2024 Non-Complex Properties Annual Work Plan

General Priorities

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

Adaptive Management Priorities

- * **Species Monitoring** – Monitor whooping crane use of non-complex palustrine wetlands and least tern and piping plover use and productivity at off-channel sand and water nesting sites.

Species Habitat Priorities

- * **Maintain Suitable Off-Channel Sand and Water Nesting Habitat** – Apply pre-emergent herbicide on Tracts 2009008, 2010002, 2011001, 2011002 and 2020002 OCSW nesting habitat to prevent vegetation encroachment into nesting areas.
- * **Maintain Suitable Palustrine Wetland Roosting Habitat** – Manage vegetation height in the palustrine wetland areas of Tracts 2012004 and 2013001 to maintain suitable unobstructed view widths for whooping crane roosting.
- * **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.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
NC 1	Coordination of Program land actions with neighboring landowners	Annual	TT	N/A	N/A

Priority Area: *Species Habitat*

Item(s): *Maintain Suitable In- and Off-Channel Sand & Water Habitat*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
NC 2	Herbicide applications on OCSW peninsulas to maintain bare sand nesting habitat (79 ac)	4/1 & 9/1	TT	\$30,000	LP-2
NC 3	Maintenance of Predator Exclusion Fencing	1/1 - 4/15	TT	\$25,000	LP-2

Priority Area: *Species Habitat*

Item(s): *Maintain Suitable Palustrine Wetland Habitat*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
NC 4	Irrigation well pumping to augment water level in wetland area of Tract 2013001	3/1 - 4/15 & 10/1-11/15	TT	\$3,000	LP-2
NC 5	Brush, tree, cattail herbicide spraying	8/15-11/1	TT	\$5,000	LP-2
NC 6	Tract 2013001 Prescribed burn (34 ac)	4/15 – 5/15	TT	\$2,074	LP-2

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
NC 7	Habitat and species surveys on properties where work will occur	As Needed	MH	N/A	N/A
NC 8	Coordination with USFWS and NGPC to identify and mitigate potential impacts associated with land activities	Annual	MH	N/A	N/A

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
NC 9	Fence and road maintenance	1/1–12/31	TT	\$3,000	LP-4
NC 10	Noxious weed control	6/1 – 8/31	TT	\$5,000	LP-4
NC 11	Mowing	7/15 - 10/15	TT	\$1,500	LP-4
NC 12	Tract 2012004 Electricity	Annual	TT	\$1,200	LP-4

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
NC 13	Oversight of grazing and cropland	5/15 – 10/15	TT	N/A	N/A
NC 14	Oversight of sand and gravel mining	5/15 – 10/15	TT	N/A	N/A

2024 Non-Complex Tracts Budget Summary

Expenditures by Program Budget Line Item

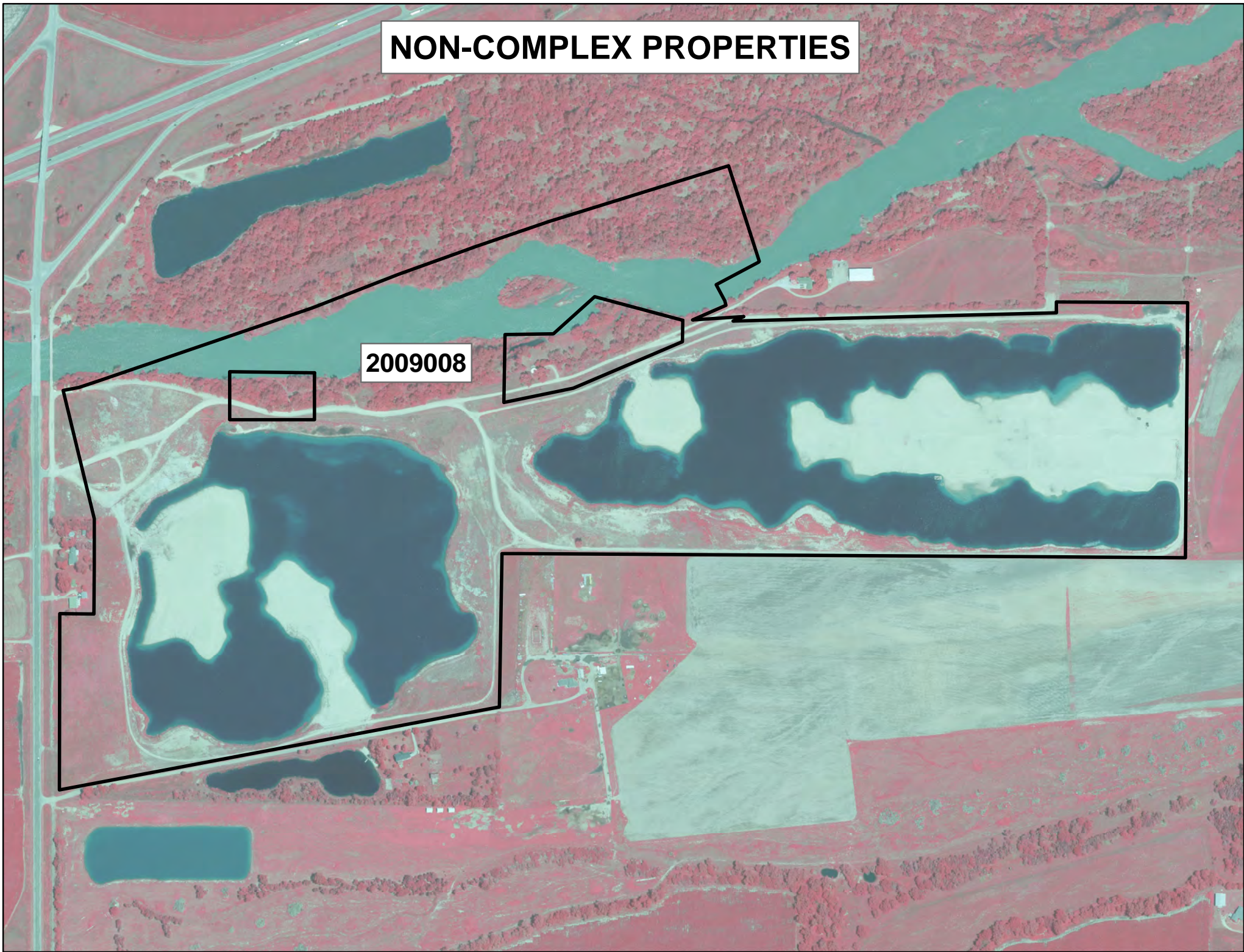
Priority Area	Item	Budget Line Item	Estimated Expenditure
Species Habitat	Maintain Off-Channel Sand & Water Habitat	LP-2	\$55,000
Species Habitat	Create & Maintain Palustrine Wetland Habitat	LP-2	\$10,074
Subtotal			\$65,074
Operations and Maintenance	Property Maintenance and Agricultural Operations	LP-4	\$10,700
Total			\$75,774

Income

Tract	Item	Estimated Income
Tract 2009008	Hay Income	\$800
Tract 2011001	Hay Income	\$500
Tract 2012004	Cropland Cash Rent Income	\$4,000
Tract 2012004	Grazing Income	\$3,000
Tract 2013001	Irr. Cropland Cash Rent Income	\$7,500
Tract 2013001	Dry Cropland Cash Rent Income	\$4,500
Total		\$20,300

NON-COMPLEX PROPERTIES

2009008





2010002



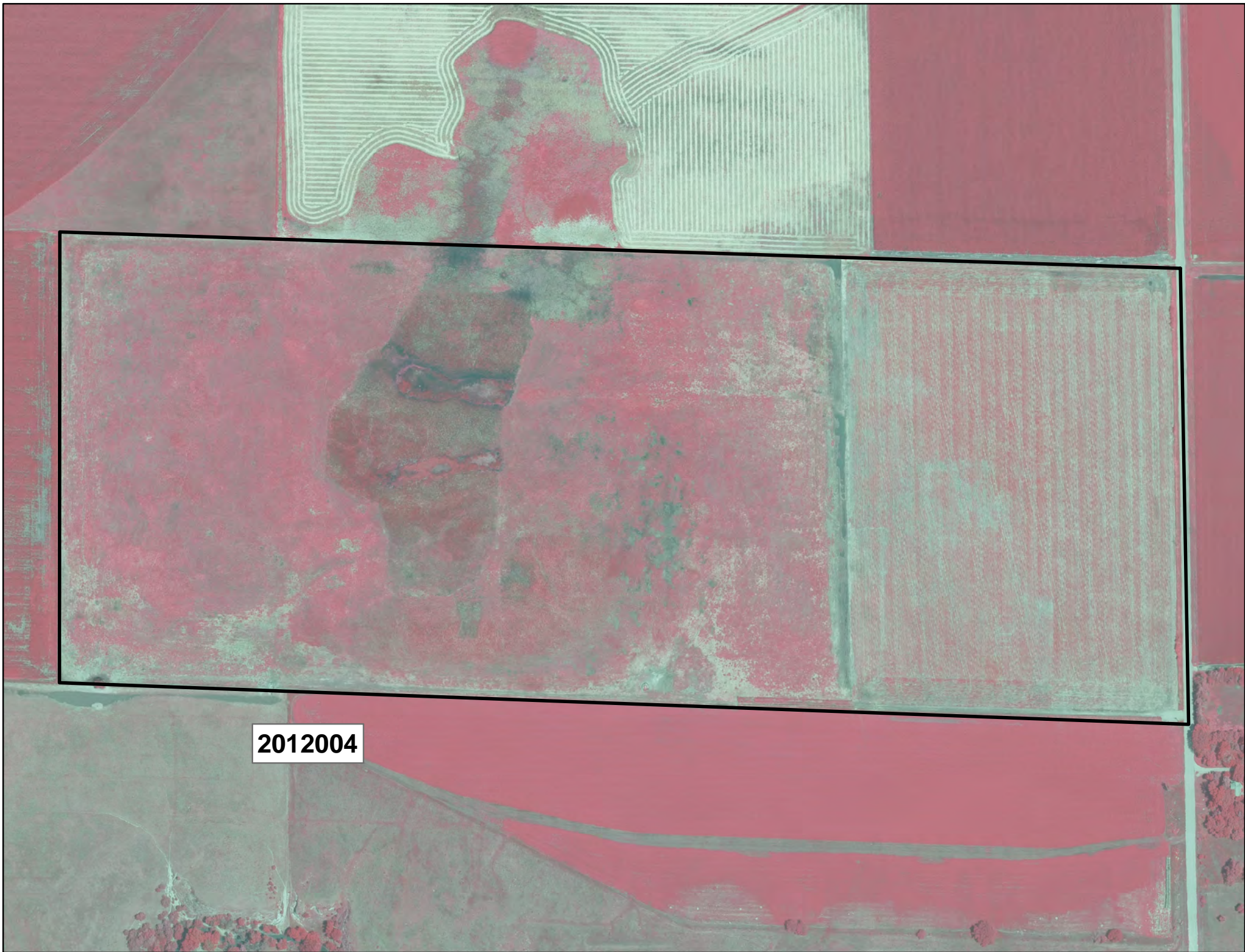
2011001



2011002



2020002



2012004



2013001

2024 Plum Creek "Complex" Annual Work Plan

General Priorities

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

Adaptive Management Priorities

- * **Species Monitoring** – Monitor whooping crane use of riverine roosting habitat and least tern and piping plover use and productivity at off-channel sand and water nesting sites.

Species Habitat Priorities

- * **Improve Target Species Sand and Water Habitat** – Application of pre-emergent herbicide on OCSW peninsulas to maintain tern and plover nesting habitat. Control in-channel vegetation to maintain suitable unobstructed view widths for whooping cranes.
- * **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 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 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):** *Complex Land Interest and Complex-Level Planning*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PC 1	Coordination of Program land actions with neighboring landowners	Annual	TT	N/A	N/A

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PC2	Herbicide applications on OCSW peninsulas to maintain bare sand nesting habitat (21 ac)	4/15 & 9/1	TT	\$6,500	LP-2
PC 3	Maintain blow sand from predator fences	2/1 – 4/1	TT	\$20,000	LP-2

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PC 4	Brush, tree, cattail & phrag herbicide spraying	8/15-11/1	TT	\$2,000	LP-2
PC 5	Tract 2009003 Prescribed burn (141 ac)	4/15 – 5/15	TT	\$8,601	LP-2
PC 6	Tract 2009007 Prescribed burn (62 ac)	4/15 – 5/15	TT	\$3,782	LP-2

Priority Area: *Species Habitat*

Item(s): *Other Species of Concern*

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

Priority Area: Operations and Maintenance

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PC 9	Lodge & Quonset demo and shed maintenace	1/1–12/31	TT	\$25,000	LP-4
PC 10	Fence and road maintenance	1/1–12/31	TT	\$3,000	LP-4
PC 11	Noxious weed control	6/1 – 8/31	TT	\$3,000	LP-4
PC 12	Mowing	7/15-10/15	TT	\$4,000	LP-4

Priority Area: Operations and Maintenance

Item(s): *Agricultural Operations*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PC 13	Oversight of grazing and cropland leases	5/15 – 10/15	TT	N/A	N/A

2024 Plum Creek Complex Budget Summary

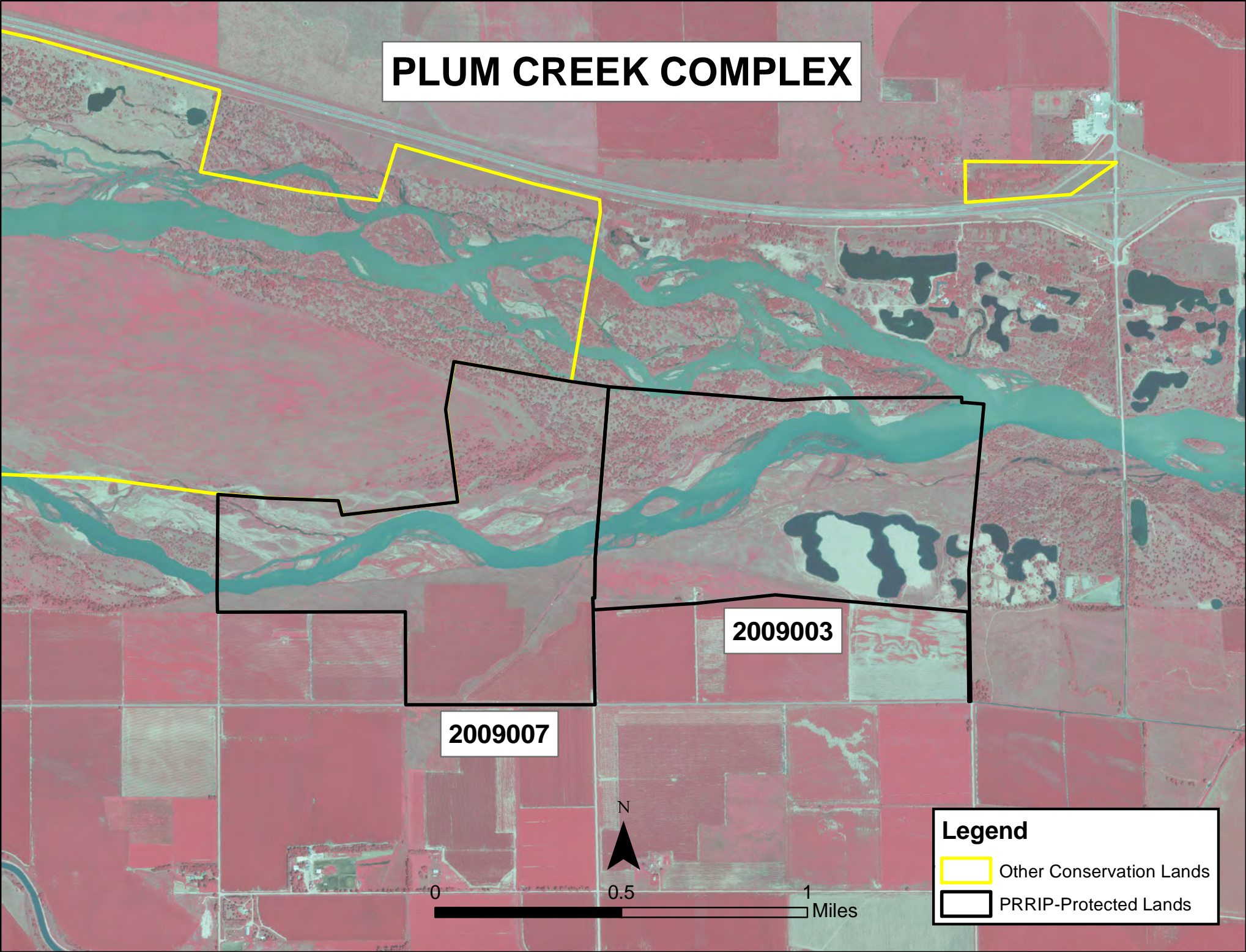
Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Species Habitat	Maintain Suitable In- and Off-Channel Sand & Water Habitat	LP-2	\$26,500
Species Habitat	Whooping Crane Wet Meadow/ Grassland Habitat	LP-2	\$14,383
Subtotal			\$40,883
Operations and Maintenance	Property Maintenance and Agricultural Operations	LP-4	\$35,000
Total			\$75,883

Income

Tract	Item	Estimated Income
Tract 2009003	Grazing Income	\$0
Tract 2009007	Haying Income	\$0
Tract 2009007	Cropland Income	\$6,500
Total		\$6,500

PLUM CREEK COMPLEX



2009003

2009007

Legend

- Other Conservation Lands
- PRRIP-Protected Lands



0 0.5 1 Miles

2024 Cottonwood Ranch Complex Annual Work Plan

General Priorities

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

Adaptive Management Priorities

- * **Species Monitoring** – Monitor whooping crane use of riverine and off-channel palustrine wetland roosting habitat and least tern and piping plover use and productivity at off-channel sand and water nesting sites.

Species Habitat Priorities

- * **Maintain Target Species Sand and Water Habitat** – Application of pre-emergent herbicide on OCSW peninsula to maintain tern and plover nesting habitat. Control in-channel vegetation to maintain suitable unobstructed view widths for whooping cranes.
- * **Broad-Scale Recharge Water Supply and Whooping Crane Habitat Project** – *Operation of the broad-scale recharge project will occur in 2022 with targeted fills during the fall and spring whooping crane migrations, and during other times of excess flows in the Platte River.*
- * **Management of grassland/wet meadow habitat for whooping cranes and sandhill cranes** – *Moderate grazing will be done on Lloyd Island for the 2023 grazing season. Wet meadow areas in Section 16 T8N R19W (Tracts 2008002 and 2010001) will be grazed/hayed due to the completion of the Broad -Scale Recharge Water Supply and Whooping Crane Habitat Project construction.*
- * **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 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 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): *Complex Land Interest and Complex-Level Planning*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CR 1	Coordination of Program land actions with neighboring landowners	Annual	TT	N/A	N/A

Priority Area: Species Habitat

Item(s): *Maintain Suitable In- and Off-Channel Sand & Water Habitat*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CR 2	Tract 2008002 Pre-emergent herbicide application on plover nesting island (2 ac) and OCSW area (17 ac).	4/1 – 4/30	TT	\$6,000	LP-2
CR 3	In channel tree, cattail herbicide spraying	8/15-11/1	TT	\$2,000	LP-2

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CR 4	Brush, tree, cattail & phrag herbicide spraying	8/15-11/1	TT	\$3,000	LP-2
CR 5	Tract 2008002 Prescribed burn (195 ac)	4/15 – 5/15	TT	\$11,895	LP-2
CR6	Tract 2008002 Prescribed burn (98 ac)	4/15 – 5/15	TT	\$5,978	LP-2
CR 7	Tract 2010001 Prescribed burn (30ac)	4/15 – 5/15	TT	\$1,830	LP-2

Item(s): Other Species of Concern

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CR 8	Habitat and species surveys on properties where work will occur	As Needed	MH	N/A	N/A
CR 9	Coordination with USFWS and NGPC to identify and mitigate potential impacts associated with land activities	As Needed	MH	N/A	N/A

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CR 10	Fence and road maintenance	1/1–12/31	TT	\$2,500	LP-4
CR 11	Noxious weed control	6/1 – 8/31	TT	\$15,000	LP-4
CR 12	Mowing	7/15 - 10/15	TT	\$10,000	LP-4
CR 13	Tract 2010001 Electricity	Annual	TT	\$1,000	LP-4

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CR 14	Tract 2009006 grazing lease oversight	5/15 – 10/15	TT	N/A	N/A
CR 15	Tract 2010001 grazing lease oversight	5/15 – 10/15	TT	N/A	N/A
CR 16	Tract 2010001 haying lease oversight	5/15 – 10/15	TT	N/A	N/A
CR 17	Tract 20008002 grazing & haying lease planning & oversight	5/15 – 10/15	TT,JJ	N/A	N/A

2024 Cottonwood Ranch Complex Budget Summary

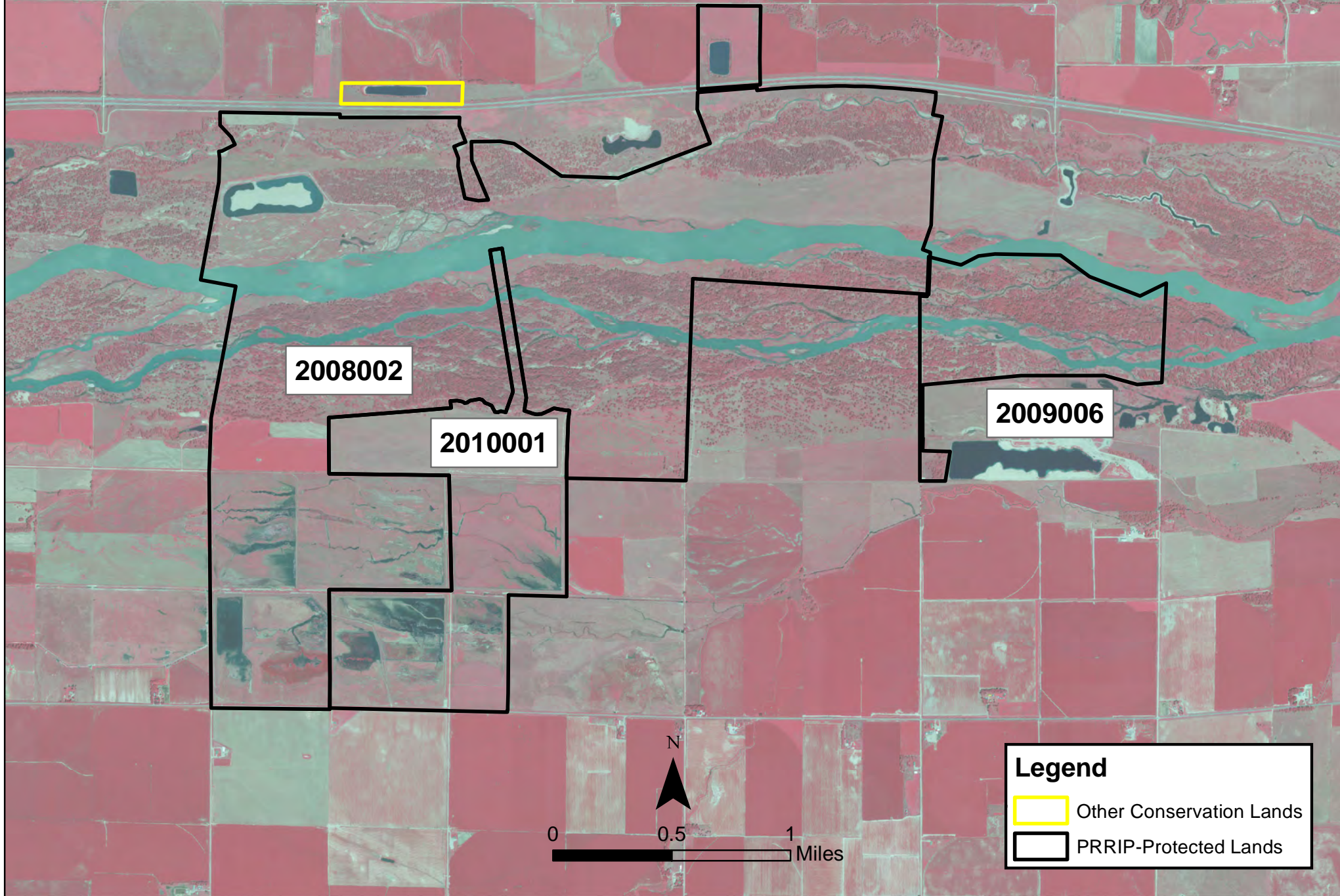
Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Species Habitat	Target Species Sand and Water Habitat	LP-2	\$8,000
Species Habitat	Whooping Crane Wet Meadow/ Grassland Habitat	LP-2	\$22,703
Subtotal			\$30,703
Operations and Maintenance	Property Maintenance and Agricultural Operations	LP-4	\$28,500
Total			\$59,203

Income

Tract	Item	Estimated Income
Tract 2009006	Grazing Income	\$2,500
Tract 2010001	Grazing Income	\$6,000
Tract 2010001 SE 1/4	Grazing Income	\$12,145
Tract 2010001	Haying Income	\$3,000
Total		\$23,645

COTTONWOOD RANCH COMPLEX



2024 Elm Creek Complex Annual Work Plan

General Priorities

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

Adaptive Management Priorities

- * **Species Monitoring** – Monitor whooping crane use of in-channel roosting habitat and least tern and piping plover use and productivity at off-channel sand and water nesting sites.

Species Habitat Priorities

- * **Maintain Target Species Sand and Water Habitat** – Control in-channel vegetation to maintain suitable unobstructed view widths for whooping cranes.
- * **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 on Tracts 2009002, 2009005, 2012001 and 2012002 including fence and road maintenance and noxious weed control.
- * **Agricultural Operations** – Oversight of grazing/ haying leases on Tracts 2009005, 2012001 and 2012002.

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): Complex Land Interest and Complex-Level Planning*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
EC 1	Coordination of Program land actions with neighboring landowners	Annual	TT	N/A	N/A

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
EC 2	No items	N/A	N/A	\$0	N/A

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
EC 3	Brush, tree, cattail herbicide spraying	8/15-11/1	TT	\$3,000	LP-2
EC 4	Tract 2009002 Prescribed burn (37 ac)	4/15 – 5/15	TT	\$2,257	LP-2
EC 5	Tract 2012002 Prescribed burn (192 ac)	4/15 – 5/15	TT	\$11,712	LP-2

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
EC 6	Habitat and species surveys on properties where work will occur	As Needed	MH	N/A	N/A
EC 7	Coordination with USFWS and NGPC to identify and mitigate potential impacts associated with land activities	As Needed	MH	N/A	N/A

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
EC 8	Tract 2009002 building utilities and maintenance	Annual	TT	\$5,000	LP-4
EC 9	Fence and road maintenance	1/1–12/31	TT	\$2,000	LP-4
EC 10	Mowing	7/15 - 10/15	TT	\$3,000	LP-4
EC 11	Noxious weed control	6/1 – 8/31	TT	\$20,000	LP-4

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
EC 12	Tract 2009002 crop lease oversight	5/15 – 10/15	TT	N/A	N/A
EC 13	Tract 2009005 grazing lease oversight	5/15 – 10/15	TT	N/A	N/A
EC 14	Tract 2012001 haying lease oversight	5/15 – 10/15	TT	N/A	N/A
EC 15	Tract 2012002 grazing lease oversight	5/15 – 10/15	TT	N/A	N/A

2024 Elm Creek Complex Budget Summary

Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Species Habitat	Target Species Sand and Water Habitat	LP-2	\$0
Species Habitat	Whooping Crane Wet Meadow/ Grassland Habitat	LP-2	\$16,969
Subtotal			\$16,969
Operations and Maintenance	Property Maintenance and Agricultural Operations	LP-4	\$30,000
Total			\$46,969

Income

Tract	Item	Estimated Income
Tract 2009002	Crop Income	\$4,800
Tract 2009005	Grazing Income	\$4,900
Tract 2012001	Haying Income	\$2,000
Tract 2012002	Grazing Income	\$3,645
Total		\$15,345

ELM CREEK COMPLEX

Mgmt06

2009002

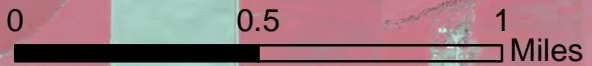
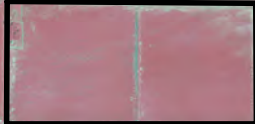
2015003

2012001



Mgmt01

2012002

2009005



Legend

-  PRRIP-Protected Lands
-  Other Conservation Lands

2024 Jerry F. Kenny Pawnee Complex Annual Work Plan

General Priorities

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

Adaptive Management Priorities

- * **Species Monitoring** – Monitor whooping crane use of in-channel roosting habitat.

Species Habitat Priorities

- * **Maintain Target Species Sand and Water Habitat** – Control in-channel vegetation to maintain suitable unobstructed view widths for whooping cranes. Remove vegetation from overbank areas adjacent to the channel to promote channel widening through lateral erosion.
- * **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 on Tracts 2014002 and 2015002.
- * **Agricultural Operations** – Oversight of grazing/ haying leases on Tracts 2014002 and 2015002.

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):** *Complex Land Interest and Good Neighbor Policy*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PAW 1	Coordination of Program land actions with neighboring landowners	Annual	TT	N/A	N/A

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PAW 2	Herbicide treatment on south bank to kill vegetation prior to disking (28 ac)	4/15 – 5/15	TT	\$6,000	LP-2
PAW 3	In-channel island cross disking to facilitate erosion (20 ac)	9/1 – 10/1	TT	\$12,000	LP-2

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PAW 4	Habitat and species surveys on properties where work will occur	As Needed	MH	N/A	N/A
PAW 5	Coordination with USFWS and NGPC to identify and mitigate potential impacts associated with land activities	As Needed	MH	N/A	N/A

Priority Area: Operations and Maintenance

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PAW 6	Noxious weed control	6/1 – 8/31	TT	\$4,000	LP-4
PAW 7	Fence and road maintenance	1/1–12/31	TT	\$2,000	LP-4
PAW 8	Mowing	7/15-10/15	TT	\$1,000	LP-4

Priority Area: Operations and Maintenance

Item(s): *Agricultural Operations*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
PAW 9	Tract 2014002 grazing lease oversight	5/15–10/15	TT	N/A	N/A
PAW 10	Tract 2015002 grazing lease oversight	5/15–10/15	TT	N/A	N/A
PAW 11	Tract 2015002 haying lease oversight	5/15–10/15	TT	N/A	N/A

2024 Jerry F. Kenny Pawnee Complex Budget Summary

Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Adaptive Management & Species Habitat	Target Species Sand and Water Habitat	LP-2	\$18,000
		Subtotal	\$18,000
Operations and Maintenance	Property Maintenance and Agricultural Operations	LP-4	\$7,000
		Total	\$25,000

Income

Tract	Item	Estimated Income
Tract 2015002	Haying Income	\$750
Tract 2014002 & 2015002	Grazing Income	\$3,400
	Total	\$4,150

JERRY F. KENNY PAWNEE COMPLEX

Agreement # 10 (1605)

Agreement # 11 (1008)

2012001



2015002

2014002



0 0.5 1 Miles

Legend

-  PRRIP-Protected Lands
-  Other Conservation Lands

2024 Fort Kearny Complex Annual Work Plan

General Priorities

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

Adaptive Management Priorities

- * **Species Monitoring** – Monitor whooping crane use of off-channel palustrine wetlands and in-channel roosting habitat.

Species Habitat Priorities

- * **Maintain Target Species Sand and Water Habitat** – Control in-channel vegetation to maintain suitable unobstructed view widths for whooping cranes. Remove vegetation from overbank areas adjacent to the channel to promote channel widening through lateral erosion.
- * **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 on Tracts 2008001, 2009001, 2009004, 2010003, 2012003 and 2015001 including fence and road maintenance and noxious weed control.
- * **Agricultural Operations** – Oversight of grazing/haying leases on Tracts 2008001, 2012003, 2009001, 2009004, and 2015001.

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):** *Complex Land Interest and Good Neighbor Policy*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
FK 1	Coordination of Program land actions with neighboring landowners	Annual	TT	N/A	N/A

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
FK 2	Herbicide treatment on perimeter of cleared islands to kill vegetation prior to disking	4/15 – 5/15	TT	\$3,000	LP-2
FK 3	In-channel island cross disking to facilitate erosion	9/1 – 10/1	TT	\$15,000	LP-2

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
FK 4	Tract 2009001 Annual electrical service fee at irrigation well to supplement water to wetland	3/1 - 4/15 & 10/1-11/15	TT	\$4,000	LP-2
FK 5	Brush, tree, cattail herbicide spraying	8/15-11/1	TT	\$2,000	LP-2
FK 6	Tract 2008001- Prescribe burn (78 ac)	4/15 – 5/15	TT	\$4,758	LP-2
FK 7	Tract 2012003- Prescribe burn (67 ac)	4/15 – 5/15	TT	\$4,087	LP-2
FK 8	Tract 2009004- Prescribe burn (77 ac)	4/15 – 5/15	TT	\$4,697	LP-2

FK 9	Tract 2015001- Prescribe burn (180 ac)	4/15 – 5/15	TT	\$10,980	LP-2
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Priority Area: Species Habitat

Item(s): *Other Species of Concern*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
FK 10	Habitat and species surveys on properties where work will occur	As Needed	MH	N/A	N/A
FK 11	Coordination with USFWS and NGPC to identify and mitigate potential impacts associated with land activities	As Needed	MH	N/A	N/A

Priority Area: Operations and Maintenance

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
FK 12	Tract 2009004 & 2015001 Electricity	Annual	TT	\$1,000	LP-4
FK 13	Fix Wyoming Tract Flow Split and Speidell North Channel Erosion	6/1 – 8/31	EW	\$79,000	LP-4
FK 14	Noxious weed control	6/1 – 8/31	TT	\$14,000	LP-4
FK 15	Fence and road maintenance	1/1–12/31	TT	\$2,500	LP-4
FK 16	Mowing	7/15 - 10/15	TT	\$2,500	LP-4

Item(s): *Agricultural Operations*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
FK 17	Tract 2008001 grazing lease oversight	5/15 – 10/15	TT	N/A	N/A
FK 18	Tract 2012003 grazing lease oversight	5/15 – 10/15	TT	N/A	N/A
FK 19	Tract 2015001 grazing lease oversight	5/15 – 10/15	TT	N/A	N/A

2024 Ft Kearny Complex Budget Summary

Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Species Habitat	Improve Sand and Water Habitat	LP-2	\$18,000
Species Habitat	Whooping Crane Wet Meadow/ Grassland Habitat	LP-2	\$30,522
Subtotal			\$48,522
Operations and Maintenance	Property Maintenance and Agricultural Operations	LP-4	\$99,000
Total			\$147,522

Income

Tract	Item	Estimated Income
Tract 2008001 N & 2012003	Grazing Income	\$3,000
Tract 2008001 S	Grazing Income	\$8,250
Tract 2009001	Grazing Income	\$0
Tract 2009004	Grazing Income	\$16,000
Tract 2012003	Cropland Income	\$1,900
Tract 2015001	Grazing Income	\$11,500
Total		\$40,650

FORT KEARNY COMPLEX

2012003

2009001

2009004

2015001

2010003

2008001

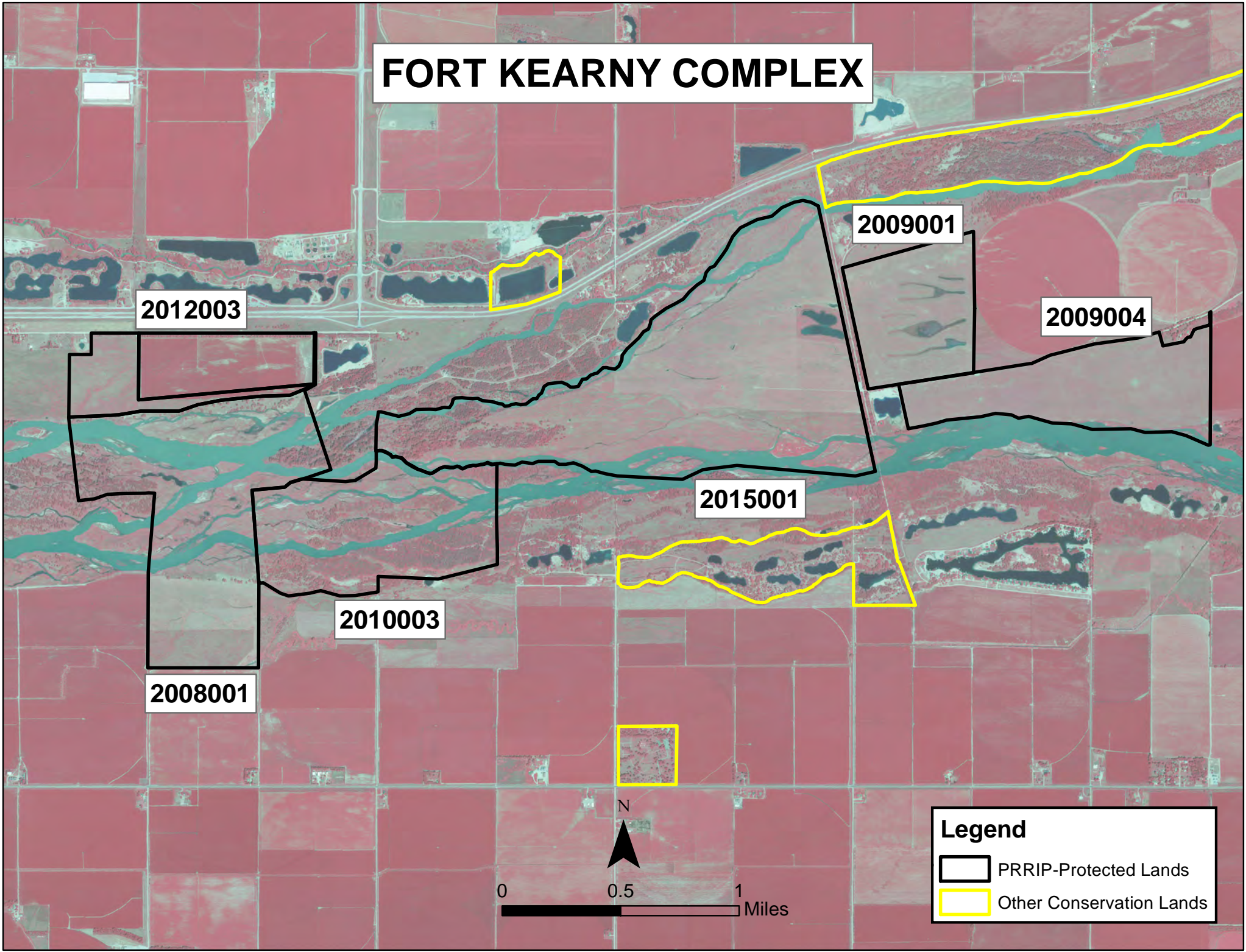


0 0.5 1 Miles

Legend

PRRIP-Protected Lands

Other Conservation Lands



2024 Minden – Gibbon Management Agreement Annual Work Plan

Adaptive Management Priorities

- * **Species Monitoring** – Monitor whooping crane use of in-channel roosting habitat.

Species Habitat Priorities

- * **Maintain Target Species Sand and Water Habitat** – Control in-channel vegetation to maintain suitable unobstructed view widths for whooping cranes.

Priority Area: Species Habitat

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
M-G 1	Brush, tree, cattail herbicide spraying	8/15 - 11/1	TT	\$15,000	LP-2

2024 Minden-Gibbon Management Agreement Budget Summary

Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Species Habitat	Improve Target Species Sand and Water Habitat	LP-2	\$15,000
Total			\$15,000

MINDEN - GIBBON MANAGEMENT AGREEMENT



2009008

09 Rowe

N

0 0.5 1 Miles

Legend

-  PRRIP-Protected Lands
-  Other Conservation Lands

2024 Clark Island Complex Annual Work Plan

General Priorities

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

Adaptive Management Priorities

- * **Species Monitoring** – Monitor whooping crane use of palustrine wetlands and in-channel roosting habitat.

Species Habitat Priorities

- * **Maintain Target Species Sand and Water Habitat** – Control in-channel vegetation to maintain suitable unobstructed view widths for whooping cranes.
- * **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 fence and road maintenance and noxious weed control.
- * **Agricultural Operations** – Oversight of cropland, grazing/ haying leases

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):** *Complex Land Interest and Complex-Level Planning*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CI 1	Coordination of Program land actions with neighboring landowners	Annual	TT	N/A	N/A

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CI 2	Herbicide treatment on south bank to kill vegetation prior to disking	4/15 – 5/15	TT	\$5,000	LP-2
CI 3	In-channel island cross disking to facilitate erosion	9/1 – 10/1	TT	\$15,000	LP-2
CI 4	Clear Trees & Burn, Bury on Islands of neighboring properties pending mgmt	7/15 – 12/15	TT	\$25,000	LP-2

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

CR 5	Brush, tree, cattail& phrag herbicide spraying	8/15-11/1	TT	\$2,500	LP-2
CI 6	Tract 2018001 Prescribe burn (361 ac)	4/15 – 5/15	TT	\$22,021	LP-2

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CI 7	Habitat and species surveys on properties where work will occur	As Needed	MH	N/A	N/A
CI 8	Coordination with USFWS and NGPC to identify and mitigate potential impacts associated with land activities	As Needed	MH	N/A	N/A

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CI 9	Fence and road maintenance	1/1–12/31	TT	\$3,000	LP-4
CI 10	Noxious weed control	6/1 – 8/31	TT	\$5,000	LP-4
CI 11	Mowing	7/15- 10/15	TT	\$2,500	LP-4

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CI 12	Grazing & Haying lease oversight	5/15 – 10/15	TT	N/A	N/A

2024 Clark Island Complex Budget Summary

Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Species Habitat	Improve Target Species Sand and Water Habitat	LP-2	\$20,000
Species Habitat	Whooping Crane Wet Meadow/ Grassland Habitat	LP-2	\$24,521
Subtotal			\$44,521
Operations and Maintenance	Property Maintenance and Agricultural Operations	LP-4	\$10,500
Total			\$55,021

Income

Tract	Item	Estimated Income
Tract 2018001	Accretion & Meadow Grazing Income	\$10,500
Tract 2018001	Irrigated Cropland Cash Rent Income	\$26,000
Tract 2018001	Dryland Cropland Cash Rent Income	\$5,000
Total		\$41,500



CLARK ISLAND COMPLEX

2018001



0 0.5 1 Miles

Legend

-  PRRIP-Protected Lands
-  Other Conservation Lands

2024 Shoemaker Island Complex Annual Work Plan

General Priorities

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

Adaptive Management Priorities

- * **Species Monitoring** – Monitor whooping crane use of palustrine wetlands and in-channel roosting habitat.

Species Habitat Priorities

- * **Maintain Target Species Sand and Water Habitat** – Control in-channel vegetation to maintain suitable unobstructed view widths for whooping cranes.
- * **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 on Tract 2010004 including fence and road maintenance and noxious weed control.
- * **Agricultural Operations** – Oversight of grazing/ haying leases on Tract 2010004

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):** *Complex Land Interest and Complex-Level Planning*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
SI 1	Coordination of Program land actions with neighboring landowners	Annual	TT	N/A	N/A

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
SI 2	No items	N/A	N/A	\$0	N/A

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

SI 3	Brush, tree, cattail& phrag herbicide spraying	8/15-11/1	TT	\$5,000	LP-2
SI 4	Tract 2010004- West Hay Meadow Prescribe burn (124 ac)	4/15 – 5/15	TT	\$7,564	LP-2
SI 5	Tract 2010004-East Hay Meadow Prescribe burn (30 ac)	4/15 – 5/15	TT	\$1,830	LP-2
SI 6	Tract 2010004-South Meadow Prescribe burn (57 ac)	4/15 – 5/15	TT	\$3,477	LP-2
SI 7	Tract 2010004-West Pasture Prescribe burn (171 ac)	4/15 – 5/15	TT	\$10,431	LP-2
SI 8	Tract 2010004-East pasture Prescribe burn (137 ac)	4/15 – 5/15	TT	\$8,357	LP-2

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
SI 9	Habitat and species surveys on properties where work will occur	As Needed	MH	N/A	N/A
SI 10	Coordination with USFWS and NGPC to identify and mitigate potential impacts associated with land activities	As Needed	MH	N/A	N/A

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
SI 11	Fence and road maintenance	1/1–12/31	TT	\$1,000	LP-4
SI 12	Noxious weed control	6/1– 8/31	TT	\$2,500	LP-4
SI 13	Mowing	7/15- 10/15	TT	\$3,000	LP-4
SI 14	Tract2010004 Electricity	5/15 – 10/15	TT	\$200	LP-4

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
SI 15	Grazing & Haying lease oversight	5/15 – 10/15	TT	N/A	N/A

2024 Shoemaker Island Complex Budget Summary

Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Species Habitat	Improve Target Species Sand and Water Habitat	LP-2	\$0
Species Habitat	Whooping Crane Wet Meadow/ Grassland Habitat	LP-2	\$36,659
Subtotal			\$36,659

Operations and Maintenance	Property Maintenance and Agricultural Operations	LP-4	\$6,700
Total			\$43,359

Income

Tract	Item	Estimated Income
Tract 2010004	Grazing & Haying Income	\$43,000
Total		\$43,000



SHOEMAKER ISLAND COMPLEX

2010004



0 0.5 1 Miles

Legend

-  PRRIP-Protected Lands
-  Other Conservation Lands

2024 Chapman Complex Annual Work Plan

General Priorities

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

Adaptive Management Priorities

- * **Whooping Crane Riverine Habitat** – Design and implement vegetation clearing to provide a range of unobstructed view widths above the Programs minimums
- * **Species Monitoring** – Monitor whooping crane use of palustrine wetlands and in-channel roosting habitat.

Species Habitat Priorities

- * **Improve Target Species Sand and Water Habitat** – Control in-channel vegetation to maintain suitable unobstructed view widths for whooping cranes.
- * **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 on Tracts including fence and road maintenance and noxious weed control. Remove unnecessary buildings on Tract 2021001.
- * **Agricultural Operations** – Oversight of grazing/ haying and cropland leases

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): *Complex Land Interest and Complex-Level Planning*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CC 1	Coordination of Program land actions with neighboring landowners	Annual	TT	N/A	N/A

Priority Area: Species Habitat

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CC 2	Herbicide treatment on south bank to kill vegetation prior to disking	4/15 – 5/15	TT	\$3,000	LP-2
CC 3	In-channel island cross disking to facilitate erosion	9/1 – 10/1	TT	\$15,000	LP-2

Priority Area: Species Habitat

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

CC 4	Brush, tree, cattail& phrag herbicide spraying	8/15-11/1	TT	\$2,500	LP-2
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Priority Area: Species Habitat**Item(s):** *Other Species of Concern*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CC 5	Habitat and species surveys on properties where work will occur	As Needed	MH	N/A	N/A
CC 6	Coordination with USFWS and NGPC to identify and mitigate potential impacts associated with land activities	As Needed	MH	N/A	N/A

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CC 7	Tract 2021001 Homesite Demo	1/1–12/31	TT	\$100,000	LP-4
CC 8	Fence and road maintenance	1/1–12/31	TT	\$25,000	LP-4
CC 9	Noxious weed control	6/1– 8/31	TT	\$2,500	LP-4
CC 10	Mowing	7/15- 10/15	TT	\$3,000	LP-4

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
CC 11	Tract 2019001 grazing lease oversight	5/15– 10/15	TT	N/A	N/A
CC 12	Tract 2021001 grazing lease oversight	5/15– 10/15	TT	N/A	N/A
CC 13	Tract 2021001 crop lease oversight	5/15– 10/15	TT	N/A	N/A

2024 Chapman Complex Budget Summary

Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Species Habitat	Improve Target Species Sand & Water Habitat	LP-2	\$18,000
Species Habitat	Whooping Crane Wet Meadow/ Grassland Habitat	LP-2	\$2,500
Subtotal			\$20,500
Operations and Maintenance	Property Maintenance and Agricultural Operations	LP-4	\$130,500
Total			\$151,000

Income

Tract	Item	Estimated Income
Tract 2019001	Grazing lease	\$0
Tract 2021001	Grazing lease-estimate	\$0
Tract 2021001	Building & Grain Bin Rent	\$3,500
Tract 2021001	Irrigated Crop lease-estimate	\$40,000
Total		\$43,500

CHAPMAN COMPLEX

2021001

2201

2020001

2019001

N



0

0.75

1.5

Miles

Legend

-  PRRIP-Protected Lands
-  Other Conservation Lands

2024 Water Properties Annual Work Plan

General Priorities

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

Operations and Maintenance Priorities

- * **Basic Property Maintenance Obligations and Needs** – Fulfill basic property ownership obligations and needs on Tracts W2016002, W2017001, W2017002 & W201703 including fence and road maintenance, irrigation management and noxious weed control.
- * **Agricultural Operations** – Oversight of grazing/ haying lease on Tract W2016002

Priority Area: General

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
WP 1	Coordination of Program land actions with neighboring landowners	Annual	TT	N/A	N/A

Priority Area: Operations and Maintenance

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

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
WP 2	Fence and road maintenance	1/1–12/31	TT	\$1,000	WPLW-1
WP 3	Noxious weed control	6/1 – 8/31	TT	\$8,000	WPLW-1
WP 4	Mowing	7/15-10/15	TT	\$1,000	WPLW-1
WP 5	Tracts W2016002 Electricity	5/15– 12/15	TT	\$100	WPLW-1
WP 6	Taxes	5/15–10/15	TT	\$10,500	WPLW-1

Priority Area: Operations and Maintenance

Item(s): *Agricultural Operations*

No.	Management Activities	Target Dates	Person Responsible	Cost (Estimated)	Budget Line Item
WP 7	Tract W201602 Lease Oversight	5/15 – 10/15	TT	N/A	WPLW-1

2024 Water Properties Budget Summary

Expenditures by Program Budget Line Item

Priority Area	Item	Budget Line Item	Estimated Expenditure
Operations and Maintenance	Property Maintenance and Agricultural Operations	WPLW-1	\$20,600
		Total	\$20,600

Income

Tract	Item	Estimated Income
Tract W201602	Crop Income	\$10,500
	Total	\$10,500

W201701

WATER PROPERTIES

Dawson County

W201703

Phelps County

W201602

Buffalo County

W201702

Lincoln County

W202301

Lincoln County



2024 Property Maintenance and Agricultural Operations (LP-4), Adaptive Management Species Habitat Actions (LP-2) and Property Maintenance for Water Properties (WPLW-1) Budget Documentation

This document is a supplement to the Land Work Plan. It provides documentation for the Property Maintenance and Agricultural Operations (LP-4), Adaptive Management Species Habitat Actions (LP-2) and Property Maintenance for Water Properties (WPLW-1) budgets for Program habitat complexes, non-complex properties, and water properties. Documentation is organized by habitat complex (non-complex and water properties are lumped together) and can be indexed back to the work plan via task numbers.

NON-COMPLEX PROPERTIES

Task: **NC 2**

Line Item: LP-2

Tract No: Multiple

Description: Herbicide applications on OCSW peninsulas to maintain bare sand nesting habitat

Estimated Cost: \$30,000

Justification: Pre-emergent herbicide is applied annually to 112 acres of off-channel sand and water habitat in late spring and glyphosate is applied in the late summer to spot-treat vegetation. In 2023, actual pre-emergent treatment cost was \$350/ac and glyphosate treatment were \$24/ac for a total cost of \$35,660 The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **NC 3**

Line Item: LP-2

Tract No: 2021002

Description: Maintenance of Predator Exclusion Fence

Estimated Cost: \$25,000

Justification: Several washout areas have developed under the exclusion perimeter fence. The work will to be to excavate a ditch alongside the wash out area and attach additional woven wire fencing material to the bottom of the existing woven wire fence and the push the sand back into place. Estimated at 50 hours @ \$200/ hour and 1,556 LF of fence material @ \$9/ LF installed. The work

will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

Task: **NC 4**

Line Item: LP-2

Tract No: 2013001

Description: Irrigation well pumping to augment water level in wetland areas.

Estimated Cost: \$3,000

Justification: Costs are associated with charges for electricity. Irrigation well on the tract is typically turned on in late March and again in the first couple of weeks of October to have standing water in the wetlands ahead of the whooping crane migration. Costs are dependent on the amount of time the electric well is on and pumping.

Task: **NC 5**

Line Item: LP-2

Tract No: Multiple

Description: Brush, tree, cattail, *Phragmites* herbicide spraying.

Estimated Cost: \$5,000

Justification: Brush/ tree spraying is applied by spot spraying from an ATV, UTV, Argo or airboat depending on the situation. In 2023, there were 20 hours of actual brush/ tree & *Phragmites*/ cattail spraying on non-complex properties. Treatment cost was \$135/ hour for a total of \$2,708. The 2023 cost estimate is based on the 2022 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **NC 6**

Line Item: LP-2

Tract No: 2013001

Description: Rx Fire

Estimated Cost: \$2,074

Justification: The Spring 2023-2025 Prescribed Fire Management Services RFP was advertised on the Program website and regional newspapers early 2023. A single proposal was submitted from one NWCG qualified company from Washington. Scholl Fire and Fuels

Management Inc. bid was \$48.50/acre for Implementation, mobilization of \$17,800, and \$9,000 for Rx Fire Administration. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-001 BID TAB

Task: **NC 9**

Line Item: LP-4

Tract No: Multiple

Description: Fence and Road Maintenance

Estimated Cost: \$3,000

Justification: There are no identified fence or road maintenance issues. This task is included to cover issues that may arise regarding fence or roads. When/ if an issue arises, the work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program. Typical costs of a linear foot of standard 4 wire-barbed wire fence is \$3.80-4.25/ linear foot, fence repair \$0.33- 1.05/ linear foot depending on what is needed for repair and fence removal \$0.61-1.84. Road maintenance with a road grader was \$135/ hour.

SEE P22-016 BID TAB

Task: **NC 10**

Line Item: LP-4

Tract No: Multiple

Description: Noxious Weed Control

Estimated Cost: \$5,000

Justification: Noxious weed spraying is applied by spot spraying from an ATV or UTV to 710 acres of Non-complex tracts annually. In 2023, actual noxious weed treatment cost was \$1148/ hour for a total of \$2,621 or \$4/ac. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **NC 11**

Line Item: LP-4

Tract No: Multiple

Description: Mowing

Estimated Cost: \$1,500

Justification: Mowing is occasionally needed outside of the MBTA window on areas that are not being managed as bare-sand nesting areas. Mowing costs are \$185.00/ hour which includes equipment, labor, and mobilization for a 100-horse tractor with 15-foot batwing shredder & box scraper. It is anticipated that 10 hours of mowing will be required. The work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P22-008 BID TAB

Task: **NC 12**

Line Item: LP-4

Tract No: 2012004

Description: Electricity

Estimated Cost: \$1,200

Justification: Costs are associated with charges for electricity for the irrigation well on the tract. Costs are dependent on the amount of time the electric well is on and pumping for irrigation.

COMPLEX PROPERTIES

Plum Creek Complex

Task: **PC 2**

Line Item: LP-2

Tract No: 2009003

Description: Herbicide applications on OCSW peninsulas to maintain bare sand nesting habitat

Estimated Cost: \$6,500

Justification: Pre-emergent herbicide is applied annually to 21 acres of off-channel sand and water habitat in late spring and glyphosate is applied in the late summer to spot-treat vegetation. In 2023, actual pre-emergent treatment cost was \$257/ac and glyphosate treatment were \$32/ac for a total cost of \$6,074. The 2024 cost estimate is based on the 2022 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **PC 3**

Line Item: LP-2

Tract No: 2009003

Description: Maintain blow sand from predator fence

Estimated Cost: \$20,000

Justification: Based on mobilization of \$1,000 and approximately 20 hours at a rate of \$150/ hour for a 100-horse tractor with blade and bucket.

SEE P21-008 QUOTE

Task: **PC 4**

Line Item: LP-2

Tract No: 2009003 & 2009007

Description: Brush, tree, cattail, & *Phragmites* herbicide

Estimated Cost: \$2,000

Justification: Brush/ tree spraying is applied by spot spraying from an ATV, UTV, Argo or airboat depending on the situation. In 2023, there were 10 hours of actual brush/ tree & *Phragmites* / cattail spraying Treatment cost was \$168/ hour for a total of \$1,596. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **PC 5 & PC 6**

Line Item: LP-2

Tract No: 2009003 (139 Ac) & 2009007 (62 Ac)

Description: Prescribed Burn

Estimated Cost: \$12,383

Justification:

The Spring 2023-2025 Prescribed Fire Management Services RFP was advertised on the Program website and regional newspapers early 2023. A single proposal was submitted from one NWCG qualified company from Washington. Scholl Fire and Fuels Management Inc. bid was \$48.50/acre for Implementation, mobilization of \$17,800, and \$9,000 for Rx Fire Administration. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-001 BID TAB

Task: **PC 9**
Line Item: LP-4
Tract No: 2009003
Description: Lodge & Quonset demolition
Estimated Cost: \$25,000
Justification: Estimate based on similar project completed on Tract W2017001 in 2019.
P19-009 BID TAB

Task: **PC 10**
Line Item: LP-4
Tract No: 2009003 & 2009007
Description: Fence & Road Maintenance
Estimated Cost: \$3,000
Justification:

There are no identified fence or road maintenance issues. This task is included to cover issues that may arise regarding fence or roads. When/ if an issue arises, the work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program. Typical costs of a linear foot of standard 4 wire-barbed wire fence is \$3.80-4.25/ linear foot, fence repair \$0.33- 1.05/ linear foot depending on what is needed for repair and fence removal \$0.61- 1.84. Road maintenance with a road grader was \$135/ hour.
SEE P22-016 BID TAB

Task: **PC 11**
Line Item: LP-4
Tract No: 2009003 & 2009007
Description: Noxious Weed Control
Estimated Cost: \$3,000

Justification: Noxious weed spraying is applied by spot spraying from an ATV or UTV to 226 acres of Plum Creek complex tracts annually. In 2022, actual noxious weed treatment cost was \$156/ hour for a total of \$1,949 or \$10/ac. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.
SEE P23-002 BID TAB

Task: **PC 12**
Line Item: LP-4
Tract No: 2009003 & 2009007
Description: Mowing
Estimated Cost: \$4,000

Justification: Mowing is occasionally needed outside of the MBTA window on areas that are not being managed as bare-sand nesting areas. Mowing costs are \$185.00/ hour which includes equipment, labor, and mobilization for a 100-horse tractor with 15-foot batwing shredder & box scraper. It is anticipated that 22 hours of mowing will be required. The work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P22-008 BID TAB

Cottonwood Ranch Complex

Task: **CR 2**
Line Item: LP-2
Tract No: 2008002
Description: Herbicide applications on OCSW peninsulas to maintain bare sand nesting habitat
Estimated Cost: \$6,000

Justification: Pre-emergent herbicide is applied annually to 21 acres of off-channel sand and water habitat in late spring and glyphosate is applied in the late summer to spot-treat vegetation. In 2023, actual pre-emergent treatment cost was \$246/ac and glyphosate treatment were \$13/ac for a total cost of \$5,439. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **CR 3**
Line Item: LP-2
Tract No: 2008002
Description: In channel tree spraying. Approximately 50 acres.

Estimated Cost: \$2,000

Justification: Cottonwood seedlings and other woody seedlings are establishing within the channel area previously cleared. Estimate is based on a 2020 quote from contractor of \$95/hr and 5.59/gallon of herbicide mixture.

SEE P20-011 quote

Task: **CR 4**

Line Item: LP-2

Tract No: 2008002 & 2010001

Description: Brush, tree, cattail & *Phragmites* herbicide spraying.

Estimated Cost: \$3,000

Justification: Brush/ tree spraying is applied by spot spraying from an ATV, UTV, Argo or airboat depending on the situation. In 2023, there were 9hours of actual brush/ tree & *Phragmites*/ cattail spraying. Treatment cost was \$74/ hour for a total of \$650. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID

Task: **CR 5, 6, & 7**

Line Item: LP-2

Tract No: 2008002 (293 Ac) & 2010001 (30 ac)

Description: Prescribed Burn

Estimated Cost: \$19,703

Justification: The Spring 2023-2025 Prescribed Fire Management Services RFP was advertised on the Program website and regional newspapers early 2023. A single proposal was submitted from one NWCG qualified company from Washington. Scholl Fire and Fuels Management Inc. bid was \$48.50/acre for Implementation, mobilization of \$17,800, and \$9,000 for Rx Fire Administration. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-001 BID TAB

Task: **CR 10**

Line Item: LP-4

Tract No: 2008002, 2010001, 2009006

Description: Fence & Road Maintenance

Estimated Cost: \$2,500

Justification:

There are no identified fence or road maintenance issues. This task is included to cover issues that may arise regarding fence or roads. When/ if an issue arises, the work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program. Typical costs of a linear foot of standard 4 wire-barbed wire fence is \$3.80-4.25/ linear foot, fence repair \$0.33- 1.05/ linear foot depending on what is needed for repair and fence removal \$0.61-1.84. Road maintenance with a road grader was \$135/ hour.

SEE P22-016 BID TAB

Task: **CR 11**

Line Item: LP-4

Tract No: 2008002, 2010001, 2009006

Description: Noxious Weed Control

Estimated Cost: \$15,000

Justification:

Noxious weed spraying is applied by spot spraying from an ATV or UTV to 1,104 acres of Cottonwood Ranch complex tracts annually. In 2023, actual noxious weed treatment cost was \$148/ hour for a total of \$9,983 or \$9/ac. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **CR 12**

Line Item: LP-4

Tract No: 2008002, 2010001, 2009006

Description: Mowing

Estimated Cost: \$10,000

Justification: Mowing is occasionally needed outside of the MBTA window on areas that are not being managed as bare-sand nesting areas. Mowing costs are \$185.00/ hour which includes equipment, labor, and mobilization for a 100-horse tractor with 15-foot batwing shredder & box scraper. It is anticipated that 98 hours of mowing will be required. The work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P22-008 BID TAB

Task: **CR 13**

Line Item: LP-4

Tract No: 2010001

Description: Electricity

Estimated Cost: \$1,000

Justification: Costs are associated with charges for electricity. Irrigation well on the tract is typically turned on in late March and again in the first couple of weeks of October to have standing water in the wetlands ahead of the whooping crane migration. Costs are dependent on the amount of time the electric well is on and pumping.

Elm Creek Complex

Task: **EC 3**

Line Item: LP-2

Tract No: 2009002, 2015003, 2012001, 2009005, & 2012002

Description: Brush, tree, cattail & *Phragmites* herbicide spraying.

Estimated Cost: \$3,000

Justification: Brush/ tree spraying is applied by spot spraying from an ATV, UTV, Argo or airboat depending on the situation. In 2023, there were 12 hours of actual brush/ tree & *Phragmites*/ cattail spraying on non-complex properties. Treatment cost was \$196/ hour for a total of \$2258. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID

Task: **EC 4 & 5**

Line Item: LP-2

Tract No: 2009002 (37 ac) & 2012002 (192 ac)

Description: Prescribed Burn

Estimated Cost: \$13,969

Justification: The Spring 2023-2025 Prescribed Fire Management Services RFP was advertised on the Program website and regional newspapers early 2023. A single proposal was submitted from one NWCG qualified company from Washington. Scholl Fire and Fuels

Management Inc. bid was \$48.50/acre for Implementation, mobilization of \$17,800, and \$9,000 for Rx Fire Administration. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-001 BID TAB

Task: **EC 8**

Line Item: LP-4

Tract No: 2009002

Description: Cabin utilities and maintenance

Estimated Cost: \$5,000

Justification: The cost estimate of utilities and maintenance items for 2021 estimated as follows:

Electricity: \$1,300

Cleaning: \$1,350

Pest Control: \$1,350

Task: **EC 9**

Line Item: LP-4

Tract No: 2009002, 2015003, 2012001, 2009005, & 2012002

Description: Fence & Road Maintenance

Estimated Cost: \$2,000

Justification:

There are no identified fence or road maintenance issues. This task is included to cover issues that may arise regarding fence or roads. When/ if an issue arises, the work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program. Typical costs of a linear foot of standard 4 wire-barbed wire fence is \$3.80-4.25/ linear foot, fence repair \$0.33- 1.05/ linear foot depending on what is needed for repair and fence removal \$0.61-1.84. Road maintenance with a road grader was \$135/ hour.

SEE P22-016 BID TAB

Task: **EC 10**

Line Item: LP-4

Tract No: 2009002, 2015003, 2012001, 2009005, & 2012002

Description: Mowing

Estimated Cost: \$3,000

Justification: Mowing is occasionally needed outside of the MBTA window on areas that are not being managed as bare-sand nesting areas. Mowing costs are \$185.00/ hour which includes equipment, labor, and mobilization for a 100-horse tractor with 15-foot batwing shredder & box scraper. It is anticipated that 16 hours of mowing will be required. The work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P22-008 BID TAB

Task: **EC 11**

Line Item: LP-4

Tract No: 2009002, 2015003, 2012001, 2009005, & 2012002

Description: Noxious Weed Control

Estimated Cost: \$20,000

Justification: Noxious weed spraying is applied by spot spraying from an ATV or UTV to 692 acres of Elm Creek complex tracts annually. In 2023, actual noxious weed treatment cost was \$188/ hour for a total of \$15,476 or \$22/ac. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Jerry F. Kenny Pawnee Complex

Task: **PAW 2**

Line Item: LP-2

Tract No: Tracts 2014002 & 2015002

Description: Overbank Herbicide Treatment

Estimated Cost: \$6,000

Justification: This project is to control reestablished vegetation on approximately 28 acres on the south bank and in channel island perimeter. The cost estimate is based on \$215/ acre for spring application of preemergent. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID

Task: **PAW 3**

Line Item: LP-2

Tract No: 2014002, 2015002 & Agreement #11 (1008)

Description: Disking perimeter of in channel island and bank to provide in-channel vegetation control. Approximately 28 acres.

Estimated Cost: \$12,000

Justification: In channel disking is accomplished with a Challenger tractor and 10-foot disk. Under favorable river condition (flow less than 500 cfs) disking can be done at a rate of 1.5- 2 acres/ hour. The 2024 estimate is based on 2023 average cost of \$570/ acre. The work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P23-014 BID TAB

Task: **PAW 6**

Line Item: LP-4

Tract No: 2014002, 2015002 & Agreement #11 (1008)

Description: Noxious Weed Control (675 ac)

Estimated Cost: \$4,000

Justification: Noxious weed spraying is applied by spot spraying from an ATV or UTV to 675 acres of Pawnee complex tracts annually. In 2023, actual noxious weed treatment cost was \$126/ hour for a total of \$1,637 or \$2.50/ac. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **PAW 7**

Line Item: LP-4

Tract No: 2014002, 2015002 & Agreement #11 (1008)

Description: Fence & Road Maintenance

Estimated Cost: \$2,000

Justification: There are no identified fence or road maintenance issues. This task is included to cover issues that may arise regarding fence or roads. When/ if an issue arises, the work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program. Typical costs of a linear foot of standard 4 wire-barbed wire fence is \$3.80-4.25/ linear foot, fence repair \$0.33- 1.05/ linear foot depending on what is needed for repair and fence removal \$0.61-1.84. Road maintenance with a road grader was \$135/ hour.

SEE P22-016 BID TAB

Task: **PAW 8**

Line Item: LP-4

Tract No: 2014002, 2015002 & Agreement #11 (1008)

Description: Mowing

Estimated Cost: \$1,000

Justification: Mowing is occasionally needed outside of the MBTA window on areas that are not being managed as bare-sand nesting areas. Mowing costs are \$185.00/ hour which includes equipment, labor, and mobilization for a 100-horse tractor with 15-foot batwing shredder & box scraper. It is anticipated that 5 hours of mowing will be required. The work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P22-008 BID TAB

Fort Kearny Complex

Task: **FK 2**

Line Item: LP-2

Tract No: 2015001

Description: Overbank Herbicide Treatment

Estimated Cost: \$3,000

Justification: This project is to control reestablished vegetation on approximately 13 acres on the south bank and in channel island perimeter. The cost estimate is based on \$215/ acre for spring application of preemergent. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **FK 3**

Line Item: LP-2

Tract No: 2015001

Description: Disking perimeter of in channel island and bank to provide in-channel vegetation control. Approximately 13acres.

Estimated Cost: \$15,000

Justification: In channel disking is accomplished with a Challenger tractor and 10-foot disk. Under favorable river condition (flow less than 500 cfs) disking can be done at a rate of 1.5- 2 acres/ hour. The 2024 estimate is based on 2023 average cost of \$692/ acre. The work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P23-014 BID TAB

Task: **FK 4**

Line Item: LP-2

Tract No: 2009001

Description: Annual electrical service fee for irrigation well used to supplement water to wetland

Estimated Cost: \$4,000

Justification: Costs are associated with charges for electricity. Irrigation well on the tract is typically turned on in late March and again in the first couple of weeks of October to have standing water in the wetlands ahead of the whooping crane migration. Costs are dependent on the amount of time the electric well is on and pumping. In the spring of 2019, the well ran for 1,496 hours of pumping for a total charge of \$2,573 or \$1.72/hour. The additional estimate is to include charges associated with Fall pumping of the wetlands.

Task: **FK 5**

Line Item: LP-2

Tract No: 2008001, 2009001, 2009004, 2010003, 2012003, & 2015001

Description: Brush, tree, cattail & *Phragmites* herbicide spraying.

Estimated Cost: \$2,000

Justification: Brush/ tree spraying is applied by spot spraying from an ATV, UTV, Argo or airboat depending on the situation. In 2023, there were 50hours of actual brush/ tree & *Phragmites* / cattail spraying. Treatment cost was \$136/ hour for a total of \$7,978. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025. SEE P23-002 BID

Task: **FK 6,7, 8 & 9**

Line Item: LP-2

Tract No: 2008001 (78 ac), 2009004 (77 ac), 2012003 (67 ac), & 2015001 (180 ac)

Description: Prescribed Burn

Estimated Cost: \$24,522

Justification: The Spring 2023-2025 Prescribed Fire Management Services RFP was advertised on the Program website and regional newspapers early 2023. A single proposal was submitted from one NWCG qualified company from Washington. Scholl Fire and Fuels Management Inc. bid was \$48.50/acre for Implementation, mobilization of \$17,800, and \$9,000 for Rx Fire Administration. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-001 BID TAB

Task: **FK 12**

Line Item: LP-4

Tract No: 2009004 & 2015001

Description: Annual electrical service fee at two livestock wells

Estimated Cost: \$1,000

Justification: Costs are associated with charges for electricity at two livestock wells on the tracts. Costs are estimated to be \$325/year for each of the wells.

Task: **FK 13**

Line Item: LP-4

Tract No: 2008001 & 2015001

Description: Fix Flow Split and North Channel Erosion

Estimated Cost: \$79,000

Justification: The cost estimate is based on the engineers estimate. An RFQ will be issued for this work 2024.

SEE WY Flow Split & Speidell N Channel Erosion Engineer Estimate

Task: **FK 14**

Line Item: LP-4

Tract No: 2008001, 2009001, 2009004, 2010003, 2012003, & 2015001

Description: Noxious Weed Control

Estimated Cost: \$14,000

Justification: Noxious weed spraying is applied by spot spraying from an ATV or UTV to 2,013 acres of Fort Kearny complex tracts annually. In 2022, actual noxious weed treatment cost was \$123/ hour for a total of \$12,210 or \$6/ac. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **FK 15**

Line Item: LP-4

Tract No: 2008001, 2009001, 2009004, 2010003, 2012003, & 2015001

Description: Fence & Road Maintenance

Estimated Cost: \$2,500

Justification: There are no identified fence or road maintenance issues. This task is included to cover issues that may arise regarding fence or roads. When/ if an issue arises, the work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program. Typical costs of a linear foot of standard 4 wire-barbed wire fence is \$3.80-4.25/ linear foot, fence repair \$0.33- 1.05/ linear foot depending on what is needed for repair and fence removal \$0.61-1.84. Road maintenance with a road grader was \$135/ hour.

SEE P22-016 BID TAB

Task: **FK 16**

Line Item: LP-4

Tract No: 2008001, 2009001, 2009004, 2010003, 2012003, & 2015001

Description: Mowing

Estimated Cost: \$2,500

Justification: Mowing is occasionally needed outside of the MBTA window on areas that are not being managed as bare-sand nesting areas. Mowing costs are \$185.00/ hour which includes equipment, labor, and mobilization for a 100-horse tractor with 15-foot batwing shredder & box scraper. It is anticipated that 5 hours of mowing will be required. The work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P22-008 BID TAB

Minden- Gibbon Complex

Task: M-G 1

Line Item: LP-2

Tract No: MGT Agreement # 09 Rowe Sanctuary

Description: Brush, tree, cattail, Phragmites herbicide

Estimated Cost: \$15,000

Justification: Estimate is based on a 2020 quote from contractor of \$95/hr and 5.59/gallon of herbicide mixture. Plan is to touch up any brush areas from P20-011 that we not effectively treated and killed.

SEE P20-011 quote

Clark Island Complex

Task: CI 2

Line Item: LP-2

Tract No: 2015001

Description: Overbank Herbicide Treatment

Estimated Cost: \$5,000

Justification: This project is to control reestablished vegetation on approximately 18 acres on in channel island. The cost estimate is based on \$411/ acre for spring application of preemergent. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: CI 3

Line Item: LP-2

Tract No: 2015001

Description: Disking of in channel island to provide in-channel vegetation control. Approximately 18 acres.

Estimated Cost: \$15,000

Justification: In channel disking is accomplished with a Challenger tractor and 10-foot disk. Under favorable river condition (flow less than 500 cfs) disking can be done at a rate of 1.5- 2 acres/ hour. The 2024 estimate is based on 2023 average cost of \$604/ acre. The

work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P23-014 BID TAB

Task: **CI 4**

Line Item: LP-2

Tract No: 2018001

Description: Clear trees on River Islands (~ 23 ac)

Estimated Cost: \$25,000

Justification: The proposed work includes 25 acres @ \$900/ acre of total tree clearing and approximately 25 tree piles to burn & bury @ \$188/ pile and \$2,000 for mob/demob. The work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P21-009 BID TAB

Task: **CI 5**

Line Item: LP-2

Tract No: 2018001

Description: Brush, tree, cattail & *Phragmites* herbicide spraying.

Estimated Cost: \$2,500

Justification: Brush/ tree spraying is applied by spot spraying from an ATV, UTV, Argo or airboat depending on the situation. In 2022, there were 48 hours of actual brush/ tree & *Phragmites*/ cattail spraying on non-complex properties. Treatment cost was \$161/ hour for a total of \$7,718. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID

Task: **CI 6**

Line Item: LP-2

Tract No: 2018001 (361 ac)

Description: Prescribed Burn

Estimated Cost: \$22,021

Justification: The Spring 2023-2025 Prescribed Fire Management Services RFP was advertised on the Program website and regional newspapers early 2023. A single proposal was submitted from one NWCG qualified company from Washington. Scholl Fire and Fuels Management Inc. bid was \$48.50/acre for Implementation, mobilization of \$17,800, and \$9,000 for Rx Fire Administration. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-001 BID TAB

Task: **CI 9**

Line Item: LP-4

Tract No: 2018001

Description: Fence & Road Maintenance

Estimated Cost: \$3,000

Justification: There are no identified fence or road maintenance issues. This task is included to cover issues that may arise regarding fence or roads. When/ if an issue arises, the work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program. Typical costs of a linear foot of standard 4 wire-barbed wire fence is \$3.80-4.25/ linear foot, fence repair \$0.33- 1.05/ linear foot depending on what is needed for repair and fence removal \$0.61-1.84. Road maintenance with a road grader was \$135/ hour.

SEE P22-016 BID TAB

Task: **CI 10**

Line Item: LP-4

Tract No: 2018001

Description: Noxious Weed Control

Estimated Cost: \$5,000

Justification: Noxious weed spraying is applied by spot spraying from an ATV or UTV to 488 acres of Clark Island complex tracts annually. In 2023, actual noxious weed treatment cost was \$104/ hour for a total of \$2,070 or \$4 ac. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **CI 11**

Line Item: LP-4

Tract No: 2018001

Description: Mowing

Estimated Cost: \$2,500

Justification: Mowing is occasionally needed outside of the MBTA window on areas that are not being managed as bare-sand nesting areas. Mowing costs are \$185.00/ hour which includes equipment, labor, and mobilization for a 100-horse tractor with 15-foot batwing shredder & box scraper. It is anticipated that 5 hours of mowing will be required. The work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P22-008 BID TAB

Shoemaker Island Complex

Task: **SI 3**

Line Item: LP-2

Tract No: 2018001

Description: Brush, tree, cattail & *Phragmites* herbicide spraying.

Estimated Cost: \$5,000

Justification: Brush/ tree spraying is applied by spot spraying from an ATV, UTV, Argo or airboat depending on the situation. Treatment cost in 2022 averaged \$184/. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID

Task: **SI 4, 5, 6, 7 & 8**

Line Item: LP-2

Tract No: 2010004 (519 acres)

Description: Prescribed Burn

Estimated Cost: \$31,659

Justification: The Spring 2023-2025 Prescribed Fire Management Services RFP was advertised on the Program website and regional newspapers early 2023. A single proposal was submitted from one NWCG qualified company from Washington. Scholl Fire and Fuels

Management Inc. bid was \$48.50/acre for Implementation, mobilization of \$17,800, and \$9,000 for Rx Fire Administration. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-001 BID TAB

Task: **SI 11**

Line Item: LP-4

Tract No: 2010004 & 2011001west

Description: Fence & Road Maintenance

Estimated Cost: \$1,000

Justification: There are no identified fence or road maintenance issues. This task is included to cover issues that may arise regarding fence or roads. When/ if an issue arises, the work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program. Typical costs of a linear foot of standard 4 wire-barbed wire fence is \$3.80-4.25/ linear foot, fence repair \$0.33- 1.05/ linear foot depending on what is needed for repair and fence removal \$0.61-1.84. Road maintenance with a road grader was \$135/ hour.

SEE P22-016 BID TAB

Task: **SI 12**

Line Item: LP-4

Tract No: 2010004 & 2011001 east

Description: Noxious Weed Control

Estimated Cost: \$2,500

Justification: Noxious weed spraying is applied by spot spraying from an ATV or UTV to 1,063 acres of Shoemaker Island complex tracts annually. In 2022, actual noxious weed treatment cost was \$99/ hour for a total of \$298 or \$0.04/ac. The 2023 cost estimate is based on the 2022 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **SI 13**

Line Item: LP-4

Tract No: 2010004 & 2011001 east

Description: Mowing

Estimated Cost: \$3,000

Justification: Mowing is occasionally needed outside of the MBTA window on areas that are not being managed as bare-sand nesting areas. Mowing costs are \$185.00/ hour which includes equipment, labor, and mobilization for a 100-horse tractor with 15-foot batwing shredder & box scrape Mowing is occasionally needed outside of the MBTA window on areas that are not being managed as bare-sand nesting areas. Mowing costs are \$185.00/ hour which includes equipment, labor, and mobilization for a 100-horse tractor with 15-foot batwing shredder & box scraper. It is anticipated that 5 hours of mowing will be required. The work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P22-008 BID TAB

Task: **SI 14**

Line Item: LP-4

Tract No: 2010001

Description: Electricity

Estimated Cost: \$200

Justification: Costs are associated with charges for electricity at one livestock well on the tract. Costs are estimated to be \$200/ year.

Chapman Complex

Task: **CC 2**

Line Item: LP-2

Tract No: 2015001 & 2021001

Description: Overbank Herbicide Treatment

Estimated Cost: \$3,000

Justification: This project is to control reestablished vegetation on approximately 6 acres on in channel island. The cost estimate is based on \$465/ acre for spring application of preemergent. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **CC 3**

Line Item: LP-2

Tract No: 2015001 & 2021001

Description: Disking perimeter of in Channel Islands to provide in-channel vegetation control. Approximately 29 acres.

Estimated Cost: \$15,000

Justification: In channel disking is accomplished with a Challenger tractor and 10-foot disk. Under favorable river condition (flow less than 500 cfs) disking can be done at a rate of 1.5- 2 acres/ hour. The 2024 estimate is based on 2023 average cost of \$518/ acre. The work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P23-014 BID TAB

Task: **CC 4**

Line Item: LP-2

Tract No: 2019001,2020001, & 2021001

Description: Brush, tree, cattail & *Phragmites* herbicide spraying.

Estimated Cost: \$2,500

Justification: Brush/ tree spraying is applied by spot spraying from an ATV, UTV, Argo or airboat depending on the situation. Treatment cost in 2022 averaged \$184/hour. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID

Task: **CC 7**

Line Item: LP-4

Tract No: 2021001

Description: Homesite Demolition

Estimated Cost: \$100,000

Justification: Estimate based on similar project completed on Tract W2017001 in 2019.

P19-009 BID TAB

Task: **CC 8**
Line Item: LP-4
Tract No: 2019001,2020001, & 2021001
Description: Fence & Road Maintenance
Estimated Cost: \$25,000

Justification: There are no identified fence or road maintenance issues. This task is included to cover issues that may arise regarding fence or roads. When/ if an issue arises, the work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program. Typical costs of a linear foot of standard 4 wire-barbed wire fence is \$3.80-4.25/ linear foot, fence repair \$0.33- 1.05/ linear foot depending on what is needed for repair and fence removal \$0.61-1.84. Road maintenance with a road grader was \$135/ hour.

SEE P22-016 BID TAB

Task: **CC 9**
Line Item: LP-4
Tract No: 2019001,2020001, & 2021001
Description: Noxious Weed Control
Estimated Cost: \$2,500

Justification: Noxious weed spraying is applied by spot spraying from an ATV or UTV annually. In 2023, actual noxious weed treatment cost was \$98/ hour or \$11/ac. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **CC 10**
Line Item: LP-4
Tract No: 2019001,2020001, & 2021001
Description: Mowing
Estimated Cost: \$3,000

Justification: Mowing is occasionally needed outside of the MBTA window on areas that are not being managed as bare-sand nesting areas. Mowing costs are \$185.00/ hour which includes equipment, labor, and mobilization for a 100-horse tractor with 15-foot batwing shredder & box scraper. It is anticipated that 27 hours of mowing will be required. The work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P22-008 BID TAB

Water Properties

Task: **WP-2**
Line Item: WPLW-1
Tract No: All
Description: Fence & Road Maintenance
Estimated Cost: \$1,000

Justification:

There are no identified fence or road maintenance issues. This task is included to cover issues that may arise regarding fence or roads. When/ if an issue arises, the work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program. Typical costs of a linear foot of standard 4 wire-barbed wire fence is \$3.80-4.25/ linear foot, fence repair \$0.33- 1.05/ linear foot depending on what is needed for repair and fence removal \$0.61-1.84. Road maintenance with a road grader was \$135/ hour.

SEE P22-016 BID TAB

Task: **WP-3**
Line Item: WPLW-1
Tract No: All
Description: Noxious Weed Control
Estimated Cost: \$8,000

Justification: Noxious weed spraying is applied by spot spraying from an ATV or UTV annually. In 2023, actual noxious weed treatment cost was \$72/ hour for a total of \$1,482 or \$19/ac. The 2024 cost estimate is based on the 2023 expenditure for this task. This work was bid and awarded as a 3-year contract ending in 2025.

SEE P23-002 BID TAB

Task: **WP-4**
Line Item: WPLW-1
Tract No: All

Description: Mowing

Estimated Cost: \$1,000

Justification: Mowing is occasionally needed outside of the MBTA window on areas that are not being managed as bare-sand nesting areas. Mowing costs are \$185.00/ hour which includes equipment, labor, and mobilization for a 100-horse tractor with 15-foot batwing shredder & box scraper. It is anticipated that 5 hours of mowing will be required. The work will be procured through the Program's competitive selection process and work will be performed by lowest cost contractor that provides the best value to the Program.

SEE P22-008 BID TAB

Task: **WP-5**

Line Item: WPLW-1

Tract No: W201602 & W 201701

Description: Electricity

Estimated Cost: \$100

Justification: Costs are associated with charges for electricity at one well on the tracts. Costs are estimated to be \$100/ year.

Task: **WP-6**

Line Item: WPLW-1

Tract No: W201602 & W 201701

Description: Taxes

Estimated Cost: \$10,500

Justification: Based on property taxes amount paid in 2023.



P19 -009 - TRACT W2017001 FARMSITE DEMOLITION/ REMOVAL PROJECT
PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM
BID TABULATION SCHEDULE
August 8, 2019 - 2:00 pm

All bids submitted are reflected on this bid tabulation sheet. However, the listing of a bid should not be construed as any indication that the Program accepts such bid. The Program will notify the successful bidder upon award of contract.

	Husker Engineering, Inc	Blessing	Cook	T L Sund
Executed Bidder's Bond (Y/N)	NA	NA	NA	NA
Addendum(s) Acknowledged (Y/N)	NA	NA	NA	NA
Contractor Pre-Qualified or Included Pre-Qualification Form (Y/N)	Y	Y	Y	Y

Bid Item No.	Description	Unit	Est. Qty.								
				Unit Price	Extended Total	Unit Price	Extended Total	Unit Price	Extended Total	Unit Price	Extended Total
1	Total Mobilization and Demobilization	LS	1		\$ 5,600.00		\$ 1,500.00		\$3,000.00		\$ 4,000.00
2	Structure Demo/ Concrete Stockpile	LS	1		\$ 20,800.00		\$ 9,500.00		\$10,000.00		\$ 23,500.00
3	Debris Trucking	LS	1		\$ 5,000.00		\$ 10,500.00		\$14,400.00		\$ 10,500.00
4	Seedbed Preparation	LS	1		\$ 2,400.00		\$ 2,500.00		\$2,000.00		\$ 4,500.00
Total Bid Price (Items 1-4)					\$ 33,800.00		\$ 24,000.00		\$ 29,400.00		\$ 42,500.00

Notes:



**PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM
REQUEST FOR QUOTES**

PROJECT: P20-011: Rowe Sanctuary Brush Herbicide Treatment
LOCATION: PRRIF Minden-Gibbon Complex
NEAR: Gibbon, NE
REQUEST DATE: July 15, 2020
MANDATORY
SITE SHOWING: July 31, 2020– 3:00 pm central time
CLOSING DATE: August 7, 2020 – 5:00 pm central time
POINT OF CONTACT: Tim R. Tunnell, Senior Land Manager
 Headwaters Corporation
 4111 4th Ave, Suite 6
 Kearney, NE 68845
tunnellt@headwaterscorp.com

The undersigned, having examined the drawings and investigated the local conditions affecting the project work, hereby proposes to perform the project in accordance with the contract documents for the following rates:

THIS QUOTE SUBMITTED ON DATE: 8/7/2020

NOTE: Prices requested are hourly rates for equipment and operators and reimbursement cost of 100 gallons of herbicide mixture. Payment will be made on actual hours worked and herbicide mixture used to accomplish work.

Item No.	Description	Unit	Rate	Estimated Quantity	Unit Price
1	Brush Spraying (Application) ATV	Hour	\$		\$
2	Brush Spraying (Application) UTV	Hour	\$ <u>95</u>	<u>220</u>	\$ <u>20,900</u>
3	Brush Spraying (Application) Other	Hour	\$ <u>120</u>	<u>30</u>	\$ <u>3,600</u>
4	Brush Spraying (Application) Other	Hour	\$		\$
5	Brush Spraying (Herbicide Mix)	100 gallons	\$ <u>559</u>	<u>12</u>	\$ <u>6,708</u>

PROJECT DURATION:

The Contractor, under this agreement, shall commence this work as soon as possible upon receipt of NOTICE TO PROCEED (anticipated around August 10). Work should be completed as soon as possible, but prior to September 30, 2020.

EQUIPMENT LIST

Please list equipment that is expected to be deployed for this project:

3- UTV / 60 gal Spray Systems / gps equipped
1- Argo / 60 gal Spray System / gps equipped
All equipped w/ Asterra mapping Systems

Please list herbicide mixture and rate that will be used for this project:

Remedy Ultra @ 4pts / Ac
Escort @ .5 oz / Ac
Control Duo @ 1 qt per 60 gal

THIS QUOTE SUBMITTED BY:

An Individual

Name (typed or printed): _____

By: _____ (SEAL)
(Individual's signature)

Doing business as: _____

A Partnership

Partnership Name: _____ (SEAL)

By: _____
(Signature of general partner - attach evidence of authority to sign)


Name (typed or printed): _____

A Corporation

Corporation Name: Flying M Applicators, Inc. (SEAL)

State of Incorporation: Nebraska

Type (General Business, Professional, Service, Limited Liability): Service

By: 
(Signature - attach evidence of authority to sign)

Name (typed or printed): Thomas May

Title: President

(CORPORATE SEAL)

Attest:  Secretary
(Signature of Corporate Secretary)

CONTACT INFORMATION:

Bidder's Business Address: 2620 22nd Ave Holdrege, Ne 68949

Phone: 308-991-6983 Facsimile: _____

From: [Cottonmill Enterprises Inc.](#)
To: [Tim Tunnell](#)
Subject: Re: Emailing: Draft P21-008 Request for Quotation_Final
Date: Monday, March 22, 2021 7:21:47 AM

Relocating 700 cubic yards of sand is a little more than we are willing to do at this time of the season with a lot of projects happening. We definitely can move the sand away from the fences and the pivot and that would be by the hour. I would estimate with mobilization and tractor time and dump truck time as needed, we would be looking at 35 total hours at \$150 per hour, or \$5,250.00

It could be less time depending on how things work. We could start today even with the rain and keep it moving but the longer we wait the more difficult it will be for us to do.

Sent from my iPhone

> On Mar 19, 2021, at 9:21 AM, Tim Tunnell <tunnellt@headwaterscorp.com> wrote:

>

> RFQ for work at Dyer tract south of Overton.

>

> TT

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**P21-009 Fort Kearny Habitat Enhancement
PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM
BID TABULATION SCHEDULE
30-Jul-21**

All bids submitted are reflected on this bid tabulation sheet. However, the listing of a bid should not be construed as any indication that the Program accepts such bid. The Program will notify the successful bidder upon award of contract.

Jim Ostgren Cons. Co. Inc.	AMP Works, LLC	Cook Construction	A & L Leveling
Executed Bidder's Bond (Y/N)	NA	NA	NA
Addendum(s) Acknowledged (Y/N)	NA	NA	NA
Contractor Pre-Qualified or Included Pre-Qualification Form (Y/N)	Yes	Yes	Yes

Bid Item No.	Description	Unit	Est. Qty.								
				Unit Price	Extended Total	Unit Price	Extended Total	Unit Price	Extended Total	Unit Price	Extended Total
1	Total Mobilization and Demobilization	LS	1		\$ 2,500.00		\$ 3,800.00		\$ 2,000.00		\$ 1,200.00
2	Island 1 Tree/ Brush Removal	AC	2	\$ 540.00	\$ 1,080.00	\$ 1,975.00	\$ 3,950.00	\$ 1,500.00	\$ 3,000.00	\$ 1,500.00	\$ 3,000.00
3	Island 2 Tree/ Brush Removal	AC	7.5	\$ 810.00	\$ 6,075.00	\$ 1,975.00	\$ 14,812.50	\$ 1,500.00	\$ 11,250.00	\$ 1,500.00	\$ 11,250.00
4	Island 3 Tree/ Brush Removal	AC	8	\$ 540.00	\$ 4,320.00	\$ 1,975.00	\$ 15,800.00	\$ 800.00	\$ 6,400.00	\$ 1,500.00	\$ 12,000.00
5	Tree Pile Removal/ Burn & Bury	LS	1	\$ -	\$ 8,245.00		\$ 8,500.00		\$ 7,000.00		\$ 12,000.00
Total Bid Price (Items 1-5)					\$ 22,220.00		\$ 46,862.50		\$ 29,650.00		\$ 39,450.00
Date of Completion				11/18/2021		11/30/2021		1/15/2021		1/30/2022	

Notes:



P21-009 Fort Kearny Habitat Enhancement
PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM
BID TABULATION SCHEDULE
30-Jul-21

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Kokes Construction LLC			
Executed Bidder's Bond (Y/N)	NA		
Addendum(s) Acknowledged (Y/N)	NA		
Contractor Pre-Qualified or Included Pre-Qualification Form (Y/N)	Yes		

Bid Item No.	Description	Unit	Est. Qty.								
				Unit Price	Extended Total	Unit Price	Extended Total	Unit Price	Extended Total	Unit Price	Extended Total
1	Total Mobilization and Demobilization	LS	1		\$ 2,000.00						
2	Island 1 Tree/ Brush Removal	AC	2	\$ 2,200.00	\$ 4,400.00						
3	Island 2 Tree/ Brush Removal	AC	7.5	\$ 2,100.00	\$ 15,750.00						
4	Island 3 Tree/ Brush Removal	AC	8	\$ 2,050.00	\$ 16,400.00						
5	Tree Pile Removal/ Burn & Bury	LS	1	\$ -	\$ 4,000.00						
Total Bid Price (Items 1-5)					\$ 42,550.00						
Date of Completion				1/15/2022							

Notes:



P22-008 Cottonwood Ranch BSR Mowing
PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM
BID TABULATION SCHEDULE
30-Mar-22

<i>All bids submitted are reflected on this bid tabulation sheet. However, the listing of a bid should not be construed as any indication that the Program accepts such bid. The Program will notify the successful bidder upon award of contract.</i>				Cottonmill Enterprises	NA	NA	NA
					NA	NA	NA
Executed Bidder's Bond (Y/N)				NA	NA	NA	NA
Addendum(s) Acknowledged (Y/N)				NA	NA	NA	NA
Contractor Pre-Qualified or Included Pre-Qualification Form (Y/N)				y			

Bid Item No.	Description	Unit	Est.								
				Unit Price		Unit Price	Extended Total	Unit Price	Extended Total	Unit Price	Extended Total
1	100 horse Tractor w/ 15' Batwing Mower	HR		\$ 185.00							
2	100 horse Tractor w/ loader && box scraper	HR		\$ 185.00							
3	Skid steer with mower	HR		NA							
4	Skid steer with Loader	HR		NA							
5	Dump Truck	HR		\$ 185.00							
						\$ -		\$ -		\$ -	
Date of Completion											
Notes:											



P22-016 Tract 2021001 Fence Replacement
PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM
BID TABULATION SCHEDULE
15-Aug-22

All bids submitted are reflected on this bid tabulation sheet. However, the listing of a bid should not be construed as any indication that the Program accepts such bid. The Program will notify the successful bidder upon award of contract.

	Nuttelman	AMP		
Executed Bidder's Bond (Y/N)	n/a	n/a	n/a	n/a
Addendum(s) Acknowledged (Y/N)	yes	yes	n/a	n/a
Contractor Pre-Qualified or Included Pre-Qualification Form (Y/N)	yes	yes	n/a	n/a

Bid Item No.	Description	Unit	Est. Qty.								
				Unit Price	Extended Total	Unit Price	Extended Total	Unit Price	Extended Total	Unit Price	Extended Total
1	Mobilization and Demobilization	LS	1	\$ 3,650.00	\$ 3,650.00	\$ 3,250.00	\$ 3,250.00				
2	Fence Removal	LF	2,564	\$ 0.61	\$ 1,564.04	\$ 1.25	\$ 3,205.00		\$ -		\$ -
3	Fence Construction	LF	6,900	\$ 3.80	\$ 26,220.00	\$ 4.05	\$ 27,945.00		\$ -		\$ -
4	4 ft Gate	EA	3	\$ 319.00	\$ 957.00	\$ 375.00	\$ 1,125.00		\$ -		\$ -
Total Bid Price (Items 1-4)				\$ 32,391.04		\$ 35,525.00		\$ -		\$ -	

Notes:

Item	Unit	Units Needed	Unit Cost	Total Cost
Excavation	CY	6393	\$ 7.00	\$ 44,751.00
Removal and placement of trees	Tree	50	\$ 400.00	\$ 20,000.00
Mobilization/Demobilization	LS	1	\$ 5,180.08	\$ 5,180.08
				Estimated Total
				\$ 69,931.08

Item	Unit	Units Needed	Unit Cost	Total Cost
Removal and placement of trees	Tree	20	\$ 400.00	\$ 8,000.00
Mobilization/Demobilization	LS	1	\$ 640.00	\$ 640.00
				Estimated Total
				\$ 8,640.00



P23-001 - 2023-2025 SPRING PRESCRIBED FIRE MANAGEMENT SERVICES
PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM
BID TABULATION SCHEDULE
MARCH 3. 2023

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Scholl-Washington

Executed Bidder's Bond (Y/N)

N/A

Addendum(s) Acknowledged (Y/N)

N/A

Contractor Pre-Qualified or Included Pre-Qualification Form (Y/N)

Y

Bid Item No.	Description	Unit	Est. Qty.								
				Unit Price	Extended Total	Unit Price	Extended Total				

Prescribed Fire Detail

1	Mobilization	LS	1		\$ 17,800.00						
2	Prescribed Fire Administration	LS	1		\$ 9,000.00						
3	Prescribed Fire Implementation	AC	1		\$ 48.50						

Total Bid Price (Items 1-3)

Notes:

Contractor Selections per Habitat Complex

Habitat Complex	Noxious Weed Control	Brush/ Phragmites Control	Bare Ground- Veg Control
Plum Creek Complex	Flying M Working Ecosystems	Flying M Working Ecosystems	Working Ecosystems
Cottonwood Ranch Complex	Flying M Dawson County	Flying M Dawson County	Working Ecosystems
Water Tracts			Working Ecosystems
Elm Creek Complex	Flying M Working Ecosystems	Flying M Working Ecosystems	Working Ecosystems
Pawnee Complex	Flying M Working Ecosystems	Flying M Working Ecosystems	Working Ecosystems
Fort Kearny Complex	Flying M	Flying M	
Clark Island	Flying M	Flying M	
Shoemaker Island Complex			
Chapman Complex			
Non Complex Wetland:			
Tract 2012004- DeBoer (Plum Creek)	Flying M	Flying M	Working Ecosystems
Tract 2013001- Leihs (Cottonwood)	Flying M	Flying M	Working Ecosystems
Non Complex OCSW West:			
Tract 2020002- OSG Lex			Working Ecosystems
Tract 2009003- Dyer (Plum Creek)			Working Ecosystems
Tract 2008002- Mt. Cottonwood (Cottonwood)			Working Ecosystems
Tract 2010002- Broadfoot South (Pawnee)			Working Ecosystems
Non Complex OCSW East:			
Tract 2009008- Broadfoot Newark			
Tract 2011001- East Leaman			
Tract 2011002- Alda pit			

Labor/ Equipment Rate & Herbicide Mark-up

	Flying M	Dawson County	Working Ecosystems
Spray Truck Application		\$85/hr	NA
ATV Applicaiton	\$95/hr	NA	NA
UTV/Argo Application	\$95/hr	\$65/hr	\$95/hr
Airboat Application	NA	NA	\$225/ hr
other	NA	NA	Tracked UTV \$125/ hr
other	NA	NA	Tracked Skidsteer \$150/ hr
other	NA	NA	NA
other	NA	NA	NA
Chemical Cost Mark-up	NO	YES 26%	NO



P23-014 In-Channel Disking Habitat Enhancement Project
PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM
BID TABULATION SCHEDULE
23-Aug-23

All bids submitted are reflected on this bid tabulation sheet. However, the listing of a bid should not be construed as any indication that the Program accepts such bid. The Program will notify the successful bidder upon award of contract.

Tracy Cook Construction	AMP Works LLC	Meyers Construction	Broken Arrow Excavating
NA	NA	NA	NA
NA	NA	NA	NA
Y	Y	Y	

Bid Item No.	Description	Unit	Est. Qty.								
				Unit Price	Extended Total	Unit Price	Extended Total	Unit Price	Extended Total	Unit Price	Extended Total
1	Inchannel disking-10 ft disk	Hour		\$ 350.00	\$ -	\$ 245.00	\$ -	\$ 295.00		\$ 160.00	\$ -
2	Inchannel disking-16 ft disk	Hour		na		\$ 265.00	\$ -	\$ 387.00			\$ -
3	Inchannel Mowing	Hour		\$ 185.00		\$ 245.00		\$ 218.00		\$ 200.00	\$ -
4	Pawnee Mobilization	LS	1	\$ 2,000.00		\$ 2,500.00		\$ 4,000.00		\$ 6,500.00	\$ 6,500.00
5	Fort Kearny Mobilization	LS	1	\$ 2,000.00		\$ 1,800.00		\$ 4,000.00		\$ 1,500.00	\$ 1,500.00
6	Minden- Gibbon Mobilization	LS	1	\$ 2,000.00		\$ 1,250.00		\$ 4,000.00		\$ 1,500.00	\$ 1,500.00
7	Clark Island Mobilization	LS	1	\$ 2,000.00		\$ 875.00		\$ 4,000.00		\$ 1,500.00	\$ 1,500.00
8	Chapman Mobilization	LS	1	\$ 3,000.00		\$ 875.00		\$ 6,200.00		\$ 3,000.00	\$ 3,000.00

Notes: