

Project Title

Evaluation of Smallmouth Bass and Northern Pike management in the middle Yampa River.

Bureau of Reclamation Agreement Number: R19AP00058

Reclamation Agreement Term: Oct. 1, 2019 – Sep. 30, 2023

Note: Recovery Program FY22-23 scopes of work are drafted in May 2021. They often are revised before final Program approval and may subsequently be revised again in response to changing Program needs. Program participants also recognize the need and allow for some flexibility in scopes of work to accommodate new information (especially in nonnative fish management projects) and changing hydrological conditions.

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Category:

- Ongoing project
- Ongoing-revised project
- Requested new project
- Unsolicited proposal

Expected Funding Source:

- Annual funds
- Capital funds
- Other [explain]

Relationship to RIPRAP:

Define relationship to [RIPRAP](#).

Action Plan: General Recovery Program Support

- III. REDUCE NEGATIVE IMPACTS OF NONNATIVE FISHES AND SPORTFISH MANAGEMENT ACTIVITIES (NONNATIVE AND SPORTFISH MANAGEMENT)
 - III.A. Reduce negative interactions between nonnative and endangered fishes.
 - III.A.1. Where not already generally known, identify negative impacts (e.g., predation, competition, hybridization) of problem species.

- III.A.1.c. Re-evaluate levels of hybridization with white sucker and assess effects on razorback sucker populations. (Program will monitor for evidence of hybridization as razorbacks increase in the system.)
- III.A.1.c.(1) If necessary, implement actions to minimize hybridization between white sucker and razorback sucker.
- III.A.2. Identify and implement viable active control measures.
- III.A.2.c. Evaluate the effectiveness (e.g., nonnative and native fish response), develop, and implement an integrated, viable active control program.
- III.A.2.c.(1) Project-level synthesis: synthesize data on each species/river nonnative fish control effort and concomitant native fish response (e.g., Smallmouth Bass in the Yampa River and native fish response in the Yampa River) (completed by PI's and identified as a task in individual scopes of work). (YS G-3) See Bestgen et al., 2007 for Yampa River native fish response report (2003-2006) and Skorupski et al 2012 for Middle Green River native fish response report (2005-2008).

Action Plan: Yampa River

- III.B.1.c.(1) Implement remedial measures to reduce pike reproduction in Yampa River.
- III.B.2. Control nonnative fishes via mechanical removal
- III.B.2.a. Estimate nonnative abundance, status, trends & distribution (YS I-3)
- III.B.2.c. Identify and evaluate gear types and methods to control nonnative fishes (YS I-5)
- III.B.2.d. Remove (formerly "and translocate") Northern Pike from Yampa River. See Hawkins et al. 2005. (YS J-1)
- III.B.2.d.(1) Remove Northern Pike and Smallmouth Bass above designated critical habitat (Craig, CO) (YS C-3).
- III.B.2.e. Remove (formerly "and translocate") Smallmouth Bass in Yampa River designated critical habitat. (YS J-1).
- III.B.2.h. Monitor native and endangered fish response (YS L-2)

Study Background/Rationale and Hypotheses:

Since 2015, the Recovery Program has implemented a two-tiered strategy for reducing populations of problematic nonnative predators in endangered species habitats by 1) performing large-scale removal of nonnative predators, especially focusing on spawning disruption; and 2) preventing escapement of nonnative predators from off-channel sources by containing or eradicating populations. The combination of these two strategies is important because reducing in-river reproduction and limiting emigration from off-channel sources limits population growth after in-river removal is performed. Currently, the Recovery Program removes nonnative Smallmouth Bass, Northern Pike, and walleye from over 600 miles of river. Screens have been installed on five of seven major reservoir outlets to prevent escapement with two more pending.

Over the past decade, this strategy has been applied with general success for Smallmouth Bass, Northern Pike, and Walleye. For example, in the Yampa River Smallmouth Bass populations have been contained at Elkhead Reservoir via a spillway net and outlet screen, while spawning has been disrupted via intense nest disruption in the river. As a result, even with occasional strong year classes, the adult population of smallmouth Bass in Little Yampa Canyon remains low compared to almost all prior years (Hawkins 2020). Northern Pike are also contained at Elkhead Reservoir, while their spawning in the Yampa River is disrupted via early spring backwater gill-netting. Abundance estimates show that this effort has resulted in a large reduction in Yampa River Northern Pike between Hayden and Craig compared to estimates a decade ago (Bestgen et al.2020). Similarly, in the upper Colorado River, containment of Northern Pike at Rifle Gap Reservoir, along with containment and removal at the Mamm Creek gravel ponds, appears to have successfully suppressed catch of Northern Pike in endangered fish habitats (Francis 2020).

This project focuses on mechanical removal Smallmouth Bass, Northern Pike, and other problematic nonnative species. As part of the project, we will include targeting those species when they are concentrated and highly susceptible to capture and in places and at times when they are congregating. Capture methods will include boat electrofishing and nets. Sampling in the upper Yampa River between Steamboat Springs and Hayden will target spawning Northern Pike in the early spring. Sampling in the middle Yampa River, downstream of Craig, Colorado will target Smallmouth Bass spawning in early summer. In addition, we will remove Northern Pike and Smallmouth Bass outside of their respective spawning periods in order to reduce their abundance. We will measure response to these efforts via abundance estimates, catch-per-unit-effort (CPUE), length frequency analysis, and longitudinal density. We will also monitor the response of the fish community by measuring and comparing relative abundance and CPUE among reaches over time.

Study Goals, Objectives, End Product(s):

We are implementing mechanical removal of nonnative Smallmouth Bass and Northern Pike in the middle and upper Yampa River; we coordinate our sampling with Colorado Parks and Wildlife (CPW) and U.S. Fish and Wildlife Service (FWS) who are responsible for removal of those species in adjacent reaches during certain times of the year.

CPW will be responsible for management and analysis of Northern Pike data collected from this project in the middle Yampa River. We (CSU) will be responsible for management and analysis of Smallmouth Bass data collected by CPW and CSU from the middle Yampa River, and Northern Pike data collected from our study reach in the upper Yampa River.

Smallmouth Bass

The goal is to reduce the number of Smallmouth Bass and decrease their spawning success in the middle Yampa River in order to benefit native fishes and assist in the recovery of endangered fishes.

Smallmouth Bass Objectives:

- Obtain an annual estimate of the number of Smallmouth Bass in Little Yampa Canyon using a mark-recapture abundance estimator.
- Conduct at least one adequate marking pass in Little Yampa Canyon and additional removal passes in the reaches of the Yampa River between South Beach and Deerlodge Park.

- Reduce the success of Smallmouth Bass spawning in the South Beach, Little Yampa Canyon, Lower Juniper, and Maybell reaches.
- Calculate the proportion of juvenile and adult Smallmouth Bass removed from Little Yampa Canyon based on initial population size.
- Remove large numbers of age-0 and age-1 Smallmouth Bass from a 12-mile treatment reach (RM100-112) in Little Yampa Canyon in coordination with Recovery Program Project 140 (Native fish response evaluation).

Northern Pike

The goal is to reduce the number of Northern Pike from the middle Yampa River between South Beach and Deerlodge Park and from the upper Yampa River between Steamboat Springs, CO and the Hayden Power Station Intake Boat ramp (originally Project 98c) in order to benefit native fishes and assist in the recovery of endangered fishes. We will coordinate Northern Pike removal with CPW and FWS.

Northern Pike Objectives:

In the upper Yampa River between Steamboat Springs and Hayden (Project 98c):

- Obtain an estimate of the number of Northern Pike using a mark-recapture abundance estimator in 2019 and in future years as directed by the Recovery Program.
- Remove Northern Pike on two or more removal passes.
- Identify potential spawning locations.
- In the lower Yampa River sites:
- Conduct removal passes for Northern Pike.
- Provide data on pike removed to CPW for analysis.

NEW Task 8: Starting in 2023, backwater netting removal of Northern Pike in early spring during their spawning period. This work was done by CPW in prior years.

Other nonnative species

The goal is to reduce the number of other nonnative species from all treatment reaches in order to benefit native fishes and assist in the recovery of endangered fishes.

Other nonnative species Objectives:

- Remove white sucker, white sucker hybrids, common carp, and other nonnative species such as green sunfish, black crappie, black bullhead, and brook stickleback on all sample occasions if the effort for their removal does not reduce our ability to remove target species of Smallmouth Bass and Northern Pike.
- Evaluate changes in relative abundance of these species over time using catch per unit effort (CPUE).

Study Area:

Upper Yampa River:

Steamboat – Hayden: 24 miles: Tree Haus Bridge (RM 189.2) to CPW boat ramp at Highway 40 Bridge and Hayden Power plant intake (RM 170.6).

- April: Adult pike sampling with raft electrofishing (timing dependent upon flows, temperatures, and access).

Middle Yampa River:

South Beach – Deerlodge Park 90 miles:

- April – July: Smallmouth Bass sampling with boat electrofishing using a 10-days on and 4-days off rotation including eight consecutive sampling days and two travel days. Both Northern Pike and Smallmouth Bass are susceptible to electrofishing when they occupy shallow shoreline and flooded off-channel habitats during runoff flows. Spring runoff sampling also allows for safer navigation with large electrofishing boats. As discharge declines and water clears, young Smallmouth Bass become more susceptible to capture.
- July- August: Age-0 bass sampling during base flow from Lily Park and the lower 12-miles of the Little Yampa Canyon reach. Removing age-0 bass only in the 12-mile treatment reach in Little Yampa Canyon maintains the Control-Treatment study design originally designated in 2004 in the native fish response evaluation by Project 140.

Study Methods/Approach:

Upper Yampa River- Pike:

The river in this reach flows primarily through private property and most of the access points (boat ramps) require landowner permission. Although much of the work can occur on the water without touching land, gaining access to launch boats, take-out boats, set nets, or process fish requires landowner permission. The short section through Steamboat Springs contains several low bridges that are not navigable during higher flow events and this section has minimal Northern Pike habitat. For those reasons, we excluded that section from sampling because it is unproductive for catching Northern Pike and unsafe for navigation. The crew leader will contact and seek landowner permission for bank access for the mentioned activities. CPW will provide electrofishing rafts for CSU use. We will focus our sampling primarily in backwaters where Northern Pike congregate in order to reduce potential negative effects of sampling the river channel where trout and Mountain Whitefish primarily reside. We will sample on at least two occasions, typically in April or May depending on access and flows. We will remove Northern Pike on all sampling occasions except in years determined necessary to monitor abundance. In those years, we will complete at least one mark occasion prior to removal occasions. Abundance will be determined using a modified Lincoln-Petersen estimator. We last estimated Northern Pike abundance in 2019 and suggest another mark-recapture estimate in 2023 at the latest. As a measure of pike abundance, we will calculate catch-per-unit-effort for each pass to compare with catch rates in prior years and other reaches. We will note sex and sexual condition of all pike captured and obtain GPS locations of confirmed or potential spawning sites. Knowledge of spawning locations will direct future removal or other management efforts that target removal, exclusion, or disruption of spawning pike in an attempt to reduce production.

Lower Yampa River:

Sampling protocol— Each year, we will remove Northern Pike and Smallmouth Bass from the middle Yampa River on multiple occasions in an attempt to reduce their number and size structure. In three of five years, effort will also focus on monitoring of Colorado pikeminnow to support population estimation for the Green River Basin under Project 128. The original schedule planned an abundance estimate for Colorado Pikeminnow in FY 2021-2023, but that was delayed until FY 2022-2024. Sampling in May and early June will be accomplished in coordination with CPW, who has committed to assist according to the specifics found in project 98a. CSU crews will maintain flexibility to react to

hydrologic conditions to accomplish early season sampling in conjunction with CPW.

Fish will be captured with boat electrofishing from April through July when flow is sufficient (>1000 cfs) to navigate the river with 17-ft. aluminum, Jon-boats fitted with outboard jet motors. Both shorelines will be sampled concurrently with two electrofishing boats using ETS brand electrofisher control units using pulsed-DC output current following Standard Operating Procedures (Martinez and Kolz, 2015). Sampling will occur in a downstream direction covering about 6-10 miles per day.

Other sampling gear may include backpack or bank electrofisher, seine, trammel, fyke, or gill net, angling, or suction devices for small, larval fish. A third boat will be used as needed to count, measure, and assess condition of fish. We will sample each reach on multiple occasions each year with an interval of 4–10 days between occasions. In the Little Yampa Canyon reach only, Smallmouth Bass >100 mm TL will be marked with a numbered Floy tag and released on at least one sample occasion each year to serve as a mark for abundance estimation. On all other non-marking sample occasions, Smallmouth Bass will be removed from the river. For a description of the sampling protocol, see Hawkins et al. (2009a).

Marked Smallmouth Bass that are returned to the river will be Floy tagged and released within the ½-mile section from which they were captured. Backwater and flooded tributary mouth areas will be sampled by electrofishing boat, fyke, gill, or trammel nets or block-and-shock techniques described by Nesler (1995). To determine spawning locations and timing of Smallmouth Bass reproduction, we will note when we observe males on nests and the reproductive condition of captured fish. Spawning areas will be intensively targeted for removal of nesting, spawning, or nest guarding adult fish. When feasible, young bass will be removed from active nests and those nests destroyed.

Removal effort— We will complete at least three removal passes or more per year based on time, resources, and environmental conditions.

Removal evaluation— Each year we will estimate the abundance and capture probability of Smallmouth Bass at Little Yampa Canyon using mark-recapture methods. We will calculate catch per unit effort (CPUE) for adult Smallmouth Bass for each sample occasion and obtain an average CPUE for all sample occasions each year. Removal effectiveness will be determined primarily by examining changes in annual abundance of juvenile (100-199mm TL) and adult (>200 mm TL) Smallmouth Bass in Little Yampa Canyon.

The Surge-Intensive sampling during Smallmouth Bass spawning —We will use current knowledge about Smallmouth Bass spawning ecology to focus and increase removal of spawning Smallmouth Bass. Once mean-daily temperatures reach 16° C, we will increase removal efforts in areas with known or potential spawning habitat by organizing and coordinating a multi-agency effort known as “The Surge”. Our goal is to disrupt all stages of the spawning period, including pre-spawn nest building, spawning, and nest guarding. This activity has been shown to increase the catch of adult fish, disrupt the spawning event, remove guarding males from active nests, and is expected to ultimately reduce the survival of young hatchlings. Modeling shows that disrupting early season nests via the Surge is an effective means to reduce overwinter survival of young bass, thus reducing the abundance of year classes throughout the future. Removing spawning adults from nesting areas during the earlier nest building and spawning stages will create a sink in these areas for late spawners which will then be targeted for removal. Adult

bass on nests are vulnerable to electrofishing gear because they are in shallow water and they have a tendency to remain and protect the nest rather than flee.

Our plan is to remove spawning fish and create a void in desirable spawning habitat so that new bass can move in and occupy those areas and be removed on subsequent sampling occasions. In that process, we will also be disrupting and decreasing the survival of eggs or young in nests. Sampling effort will be directed at river sections with concentrations of spawning bass. We will focus on the reaches between South Beach and Lower Juniper (RM 135–90), because those reaches have abundant spawning habitat.

Smallmouth Bass spawning—Spawning activity begins when temperatures reach about 16–18⁰ C (60–65⁰ F) which in the Yampa River can range from early to late June. Hatching dates based on otolith increments support a start of spawning near 16⁰ C but vary depending on discharge volume and timing (Bestgen and Hill 2016). Hatching dates range from two to nine days after spawning, depending on temperatures. Optimum incubation and hatching temperatures range from 19–22⁰ C (66–72⁰ F) and shorten hatching time. After hatching, larvae drop into the gravel nest and they eventually emerge and remain in the nest for an additional 6–15 days. Males will often remain in the area and guard the slowly dispersing young for as long as 28 days.

Removing the male from a nest (typically reported in the literature by angling) often results in large losses of eggs or larvae due to predation on the young or abandonment of the nest by the male if released back to the water.

Additional resources during The Surge— Increased removal effort requires additional people and equipment; therefore, we (CSU) will work closely with CPW and FWS crews. Starting in 2024, FWS Grand Junction FWCO will assist with intensive sampling for 2 weeks and provide three people, two electrofishing jet boats or rafts, and two trucks. In all years, FWS Green River Basin FWCO will assist for 2 weeks and provide two people and one truck. See attached budgets for FWS field station participation. CPW budget for effort under the Surge is included in the SOW for project 98a.

Effort required to complete one pass of the South Beach, Little Yampa Canyon, and lower Juniper reaches is about 7 days. But with one extra crew (in addition to the CSU crew), we can increase our sampling effort to complete all three reaches within 3-4 days. We will also allow each section to rest for about a 4-days before resampling in order to allow spawning habitat to reset with either displaced fish or new spawners.

Prediction of spawning period—CSU will monitor daily water temperature at the Maybell gage to identify and report to CPW and FWS when temperatures are expected to reach 16⁰ C. Based on past years, this typically occurs between late-May and the end of June. Spawning generally starts during the last part of the descending hydrograph once water temperatures reach and remain above 16⁰ C. Young, larval bass leave the nest about the time runoff drops to base flow. Bass nests are active for 10-20 days depending on temperatures and we plan to sample intensively so that almost all nests, no matter when started, would be disturbed on two to five occasions. Intensive sampling should start within 5 days of temperatures reaching 16⁰ C and continue for approximately 4 weeks or until water levels decline to a point that the river is un-navigable.

We propose sampling through all three spawning reaches at least once to discover and document either

specific locations or sections of river where spawning is concentrated. Spawning habitat is widespread with nests dispersed along the river margin and in backwaters. We will then target spawning concentrations or river sections with high densities of spawning habitat on future removal occasions. If time and logistics allow, we will extend some effort in other reaches where spawning could be occurring after we have confirmed that spawning is occurring in known reaches.

YOY bass removal: After spawning and during low stream discharge in July and August, we will focus on removing young (age-0 and age-1) Smallmouth Bass from the lower 12-mile section of the Little Yampa Canyon study site (i.e. the original treatment reach designated in 2004). This reach is part of the control-treatment design within the native fish evaluation study (Bestgen et al. 2007). Young Smallmouth Bass will be captured with a 10 m-long electric seine powered by a 2000-watt generator.

Other gear may include boat or backpack electrofisher, angling, seine, trap net, or cages with baited or scented attractants. We will conduct at least three separate sampling occasions, in July and August, each about 10 days long and reaches will be sampled multiple times on each occasion. We will sample primarily shallow, low-velocity shorelines associated with backwaters, embayments, or among boulders deposited from talus slopes. All native and nonnative species will be handled as they are during boat electrofishing and as specified in Table 2 unless specified differently by the state collecting permit. Results from this sampling will be analyzed and reported under Project 140.

Fish handling — Fish captured with boat electrofishing will be placed in a live well, total length (TL) measured to the nearest mm, and weighed with a Pesola® spring scale. Northern Pike will be euthanized. Smallmouth Bass > 100 mm TL captured in Little Yampa Canyon will be tagged with a numbered, Floy® t-bar anchor tag (model FD-94) and released on one sampling occasion for information about abundance, growth, and movement and on all other sample occasions they will be euthanized. At all other reaches Smallmouth Bass will be euthanized on all sample occasions. Fish will be euthanized with an overdose of Tricaine methanesulfonate (MS-222). Fish that are euthanized will be provided to CPW researchers, kept as voucher specimens, cataloged into the LFL fish collection, or disposed of per state collecting permit requirements.

Endangered fishes and roundtail chub will be handled per guidelines and permits of the CPW and the FWS. All Colorado pikeminnow and roundtail chub will be captured, PIT tagged per Recovery Program protocol, and their location recorded within 0.1 mile. Other native fishes will be captured, measured, and released. All trout species and channel catfish will be measured and released in the river. Nonnative species captured that will be euthanized include Northern Pike, Smallmouth Bass, Creek Chub, Black Bullhead, Walleye, Brook Stickleback, Common Carp, centrarchids, White Sucker, and White Sucker hybrids. When large numbers of non-targeted, nonnative species are captured in a sample, we will reduce handling time by counting the number captured and subsampling lengths for length-frequency histograms.

Justification for marking and releasing fish:

Middle Yampa Smallmouth Bass

Smallmouth Bass \geq 100 mm total length in the 24-mile Little Yampa Canyon (LYC) reach would be marked with a numbered Floy tag on one sampling occasion (pass). On all other passes, bass will be removed and euthanized.

Reasons to mark and release Smallmouth Bass include:

FY 2022/2023 Project Number 125 Scope of Work

Last updated: 6/1/2021 11:47 AM

- The primary purpose of marking and releasing Smallmouth Bass back into the river is to obtain abundance data (population size) in order to assist management of the species.
- LYC is a sentinel reach where we have marked Smallmouth Bass since 2003. This reach is important because it is within the epicenter of Smallmouth Bass production in the Yampa River.
- Annual abundance estimates allow us to monitor the effects of changing management activities on Smallmouth Bass population dynamics.
- Marked fish provide information about dispersal, movement, and growth; things that may change as the population responds to environmental or removal effects.
- Tracking abundance and immigration into LYC can help evaluate the effectiveness of the Elkhead screen. Recall that most of the bass that escaped Elkhead Reservoir moved into LYC and abundance data could help determine the effectiveness of that screen in reducing immigration and therefore abundance of Smallmouth Bass in LYC.
- Abundance data from mark and release studies have historically provided the best evidence of the effects of removal.

Upper Yampa Northern Pike

Methods: Northern Pike will be removed and euthanized from the upper 28-mile reach of the Yampa River from Steamboat Springs- Hayden Power Plant Intake, except in years we are conducting an abundance estimate, and in those years we will mark and release tagged fish on the first sample occasions. Reasons to mark pike include:

- The primary purpose for marking Northern Pike is to obtain abundance data and a secondary purpose is to track movement in order to assist management of the species.
- Since 2005, there has been a large effort by CPW to remove Northern Pike from the river upstream of Steamboat Springs and from Catamount Reservoir. This effort has most likely reduced the dispersal of Northern Pike into our study reach and an abundance estimate will determine whether the population has changed due to this or other management activities.
- An initial abundance estimate in 2019 will provide a baseline population estimate and future estimates will help assist the success of management or removal projects in or near the reach.

NEW Task 8: Starting in 2023, commence performing early spring backwater gillnetting of northern pike (completed by CPW in prior years). Typically six weeks, but a minimum of 30 days, will be expended from mid-March through April during the backwater gill netting effort, pending appropriate hydrological conditions. Nets will be deployed as long as conditions warrant, with staff typically working five day shifts. A crew of four people will be required to complete this portion of the project; USFWS will contribute two people for at least three weeks to assist in field work.

Task 1 Oct-Jan: (Project 125/ 98c) Consolidate data collected during previous fiscal year, write annual report, assemble and submit data to Recovery Program and Colorado Collecting Permit (SciColl) databases. Summarize results for National Park Service Investigator's Annual Report. Attend coordinating meetings and workshops with other agencies and PIs including database workshop, nonnative PI coordinating meeting, and training workshops. Prepare and present results of the previous year's fieldwork at: Dinosaur River Symposium, nonnative workshops, and Researcher's Annual Meeting. (6 weeks)

Task 2 Feb-Mar: (Project 125/ 98c) Prepare equipment, train crew, assemble maps and land ownership information, coordinate with CPW regarding access. Contact landowners and obtain permission for access on private property. Hire and train field crew; purchase, prepare, and fabricate

equipment. (4 weeks)

Task 3 Apr: (Project 98c) Conduct at least two passes for Northern Pike between Steamboat and Highway 40 Bridge (3-4 weeks).

Task 4a Apr-May: (Project 125) Early season sampling. This task is included in SOW 128 in FY 2022-2024 when it focuses on providing data for Colorado pikeminnow population estimates. In other outlying years the task will focus on early removal of Smallmouth Bass and Northern Pike. This activity will shift to Colorado pikeminnow sampling (Project 128) for abundance estimation in FY 2022-2024, but nonnative fish removal will still occur during Project 128 passes. Coordinate with CPW to accomplish sampling during May (4 weeks in 2020).

Task 4b Jun-Jul: (Project 125) Sampling in middle Yampa River to capture and remove Smallmouth Bass, Northern Pike and other invasive nonnative species. Coordinate with CPW in early June. (8 weeks)

Task 5 Jul-Aug: (Project 125) Coordinate and conduct Smallmouth Bass removal and spawning disruption during the spawning period. (4 weeks)

Task 6 Aug: (Project 125) Capture and remove YOY and yearling Smallmouth Bass from treatment sites. (4 weeks)

Task 7 Sept: (Project 125/ 98c) Equipment maintenance. Data entry and analysis. Meetings, interaction, and data sharing with other biologists and researchers. (4 weeks)

NEW Task 8 Mar-Apr: (Project 125/ 98a) Northern Pike backwater netting Hayden-Craig (6 weeks)

Task schedule

Task	Project	Oct	Sep	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	125 98c	X	X	X	X	X								
2a	125 98c					X	X	X						
3	98c								X					
4a	125 128								X	X				
4b	125										X	X		
5	125											X	X	
6	125												X	
7	125 98c													X
8	125 98a							X	X					

Budget Summary: Prepared using BOR Cost Estimating Tool

FY Year	CSU-LFL	FWS-Vernal	FWS-Grd. Jct.	Total/year
2022	328,272	22,488	-0-	350,760
2023	373,975	22,522	-0-	396,497
2024	365,844	23,022	18,150	407,016
2025	450,611	23,774	18,513	492,898
<u>2026</u>	<u>457,898</u>	<u>24,278</u>	<u>18,883</u>	<u>501,059</u>
Total	1,976,600	116,084	55,546	2,148,230

Reviewers: Kevin McAbee

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FY 2022-23 SCOPE OF WORK PROJECT: 125

Project Title

Remove spawning adult smallmouth bass from the middle Yampa River

Bureau of Reclamation Agreement Number:

R20PG00024

Reclamation Agreement Term

Oct. 1, 2019 – Sep. 30, 2024

Note: Recovery Program FY22-23 scopes of work are drafted in May 2021. They often are revised before final Program approval and may subsequently be revised again in response to changing Program needs. Program participants also recognize the need and allow for some flexibility in scopes of work to accommodate new information (especially in nonnative fish management projects) and changing hydrological conditions.

Lead Agency:

U.S. Fish and Wildlife Service
Grand Junction Fish and Wildlife Conservation Office

Principal Investigator:

Travis Francis, Deputy Project Leader
U.S. Fish and Wildlife Service
Grand Junction Fish and Wildlife Conservation Office
445 West Gunnison Ave.
Grand Junction, CO 81501
Phone: (970) 628-7204
Email: travis_francis@fws.gov

Category:

- Ongoing project
- Ongoing-revised project
- Requested new project
- Unsolicited proposal

Expected Funding Source:

- Annual funds
- Capital funds
- Other [explain]

Task Description, Deliverables and Schedule:

Task 1. Provide a three-person field crew for eight days^a with administrative support sometime from mid-June to mid-July; provide either jet-powered electrofishing hard-bottom craft or row-powered electrofishing inflatables.

^areduced from 10 to 8 days beginning in FY 2011 to remain within budget limits set by the Recovery Program. For FY 2022-2023, Grand Junction FWCO will not assist with these efforts due to Recovery Program budget limitations.

Task 1. 6/2022-7/2022; 6/2023-7/2023

Budget Summary:

FY Year	<i>[GJFWCO]</i>
2022	-0-
2023	-0-
2024	17,621.60
2025	17,974.06
2026	18,333.52

Reviewers:

Program Staff and Biology Committee

References:

NA

SUMMARY OF PROPOSED COSTS

Name of Servicing Agency:	Colorado State University-Larval Fish Laboratory
Project Name:	Evaluation of Smallmouth Bass and Northern Pike management in the middle Yampa River.

	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
	10/1/2021		10/1/2022		10/2/2023		10/1/2024		10/1/2025		
	Through		Through		Through		Through		Through		
Enter the BEGINNING dates for each year ----->	9/30/2022		10/1/2023		9/30/2024		9/30/2025		9/30/2026		
Enter the ENDING dates for each year ----->											
DIRECT LABOR AND FRINGE BENEFIT COSTS:	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
Direct Labor - Hourly	\$ 161,505.00		\$ 177,849.00		\$ 181,406.00		\$ 219,004.00		\$ 223,384.00		\$ 963,148.00
Fringe Benefits - Hourly	\$ 44,252.00		\$ 48,731.00		\$ 50,249.00		\$ 60,664.00		\$ 61,877.00		\$ 265,773.00
Subtotal of Direct Labor & Fringe Benefits:	\$ 205,757.00		\$ 226,580.00		\$ 231,655.00		\$ 279,668.00		\$ 285,261.00		\$ 1,228,921.00
OTHER DIRECT COSTS:	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
Materials and Supplies	\$ 16,870.00		\$ 22,499.00		\$ 22,949.00		\$ 30,399.00		\$ 31,007.00		\$ 123,724.00
Travel Costs	\$ 56,753.00		\$ 69,198.00		\$ 56,753.00		\$ 73,432.00		\$ 73,432.00		\$ 329,568.00
Equipment	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
Contractors	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
Subtotal of Other Direct Costs:	\$ 73,623.00		\$ 91,697.00		\$ 79,702.00		\$ 103,831.00		\$ 104,439.00		\$ 453,292.00
INDIRECT/OVERHEAD COSTS:	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
Subtotal of Labor and Other Direct Costs:	\$ 279,380.00		\$ 318,277.00		\$ 311,357.00		\$ 383,499.00		\$ 389,700.00		
Total dollars exempt from indirect/overhead base:	\$ -		\$ -		\$ -		\$ -		\$ -		
<Enter Description of Indirect/OH Cost #1> ##	\$ 48,891.50	17.50%	\$ 55,698.48	17.50%	\$ 54,487.48	17.50%	\$ 67,112.33	17.50%	\$ 68,197.50		\$ 294,387.28
Total dollars exempt from indirect/overhead base:	\$ -		\$ -		\$ -		\$ -		\$ -		
<Enter Description of Indirect/OH Cost #2>	\$ -	0.00%	\$ -	0.00%	\$ -	0.00%	\$ -	0.00%	\$ -		\$ -
Subtotal of Indirect/Overhead Costs:	\$ 48,892.00		\$ 55,698.00		\$ 54,487.00		\$ 67,112.00		\$ 68,198.00		\$ 294,387.00
GRAND TOTAL:	\$ 328,272.00		\$ 373,975.00		\$ 365,844.00		\$ 450,611.00		\$ 457,898.00		\$ 1,976,600.00

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

				Enter Escalation Rates ----->					Yr 2 Escalation Rate		0.00%		
				YEAR 1					YEAR 2				
				10/1/2021		Through	9/30/2022		10/1/2022		Through	10/1/2023	
Task # or Description	Year	Position Title	Current Hourly Rate	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost
1	1	Biologist	\$ 38.28	259.5	\$ 38.28	\$ 9,933.30	27.40%	\$ 2,721.73	259.5	\$ 38.28	\$ 9,933.30	27.40%	\$ 2,721.73
2	1	Biologist	\$ 18.76	259.5	\$ 18.76	\$ 4,869.27	27.40%	\$ 1,334.18	259.5	\$ 18.76	\$ 4,869.27	27.40%	\$ 1,334.18
3	1	Biologist	\$ 16.73	259.5	\$ 16.73	\$ 4,340.95	27.40%	\$ 1,189.42	259.5	\$ 16.73	\$ 4,340.95	27.40%	\$ 1,189.42
4	2	Biologist	\$ 26.65	173.0	\$ 26.65	\$ 4,611.20	27.40%	\$ 1,263.47	173.0	\$ 26.65	\$ 4,611.20	27.40%	\$ 1,263.47
5	2	Biologist	\$ 18.76	173.0	\$ 18.76	\$ 3,246.18	27.40%	\$ 889.45	173.0	\$ 18.76	\$ 3,246.18	27.40%	\$ 889.45
6	2	Biologist	\$ 16.73	173.0	\$ 16.73	\$ 2,893.97	27.40%	\$ 792.95	173.0	\$ 16.73	\$ 2,893.97	27.40%	\$ 792.95
7	2	Biologist	\$ 16.73	173.0	\$ 16.73	\$ 2,893.97	27.40%	\$ 792.95	173.0	\$ 16.73	\$ 2,893.97	27.40%	\$ 792.95
8	3	Biologist	\$ 38.28	173.0	\$ 38.28	\$ 6,622.20	27.40%	\$ 1,814.48	173.0	\$ 38.28	\$ 6,622.20	27.40%	\$ 1,814.48
9	3	Biologist	\$ 22.05	173.0	\$ 22.05	\$ 3,815.07	27.40%	\$ 1,045.33	173.0	\$ 22.05	\$ 3,815.07	27.40%	\$ 1,045.33
10	3	Biologist	\$ 19.54	173.0	\$ 19.54	\$ 3,380.89	27.40%	\$ 926.37	173.0	\$ 19.54	\$ 3,380.89	27.40%	\$ 926.37
11	3	Biologist	\$ 19.54	173.0	\$ 19.54	\$ 3,380.89	27.40%	\$ 926.37	173.0	\$ 19.54	\$ 3,380.89	27.40%	\$ 926.37
12	4a	Biologist	\$ 22.05		\$ 22.05	-	27.40%	\$ -		\$ 22.05	\$ -	27.40%	\$ -
13	4a	Biologist	\$ 19.67		\$ 19.67	-	27.40%	\$ -		\$ 19.67	\$ -	27.40%	\$ -
14	4a	Biologist	\$ 19.67		\$ 19.67	-	27.40%	\$ -		\$ 19.67	\$ -	27.40%	\$ -
15	4a	Technician	\$ 18.16		\$ 18.16	-	27.40%	\$ -		\$ 18.16	\$ -	27.40%	\$ -
16	4a	Biologist	\$ 22.05		\$ 22.05	-	27.40%	\$ -		\$ 22.05	\$ -	27.40%	\$ -
17	4a	Technician	\$ 18.16		\$ 18.16	-	27.40%	\$ -		\$ 18.16	\$ -	27.40%	\$ -
18	4a	Technician	\$ 18.16		\$ 18.16	-	27.40%	\$ -		\$ 18.16	\$ -	27.40%	\$ -
22	4b	Biologist	\$ 19.54	346.0	\$ 19.54	\$ 6,761.79	27.40%	\$ 1,852.73	346.0	\$ 19.54	\$ 6,761.79	27.40%	\$ 1,852.73
23	4b	Biologist	\$ 19.54	346.0	\$ 19.54	\$ 6,761.79	27.40%	\$ 1,852.73	346.0	\$ 19.54	\$ 6,761.79	27.40%	\$ 1,852.73
24	4b	Biologist	\$ 38.28	259.5	\$ 38.28	\$ 9,933.30	27.40%	\$ 2,721.73	259.5	\$ 38.28	\$ 9,933.30	27.40%	\$ 2,721.73
25	4b	Biologist	\$ 22.05	346.0	\$ 22.05	\$ 7,628.52	27.40%	\$ 2,090.21	346.0	\$ 22.05	\$ 7,628.52	27.40%	\$ 2,090.21
26	4b	Technician	\$ 18.16	346.0	\$ 18.16	\$ 6,284.60	27.40%	\$ 1,721.98	346.0	\$ 18.16	\$ 6,284.60	27.40%	\$ 1,721.98
27	4b	Technician	\$ 18.16	346.0	\$ 18.16	\$ 6,284.60	27.40%	\$ 1,721.98	346.0	\$ 18.16	\$ 6,284.60	27.40%	\$ 1,721.98
28	4b	Technician	\$ 18.16	346.0	\$ 18.16	\$ 6,284.60	27.40%	\$ 1,721.98	346.0	\$ 18.16	\$ 6,284.60	27.40%	\$ 1,721.98
29	5	Biologist	\$ 26.65	173.0	\$ 26.65	\$ 4,611.20	27.40%	\$ 1,263.47	173.0	\$ 26.65	\$ 4,611.20	27.40%	\$ 1,263.47
30	5	Biologist	\$ 19.54	173.0	\$ 19.54	\$ 3,380.89	27.40%	\$ 926.37	173.0	\$ 19.54	\$ 3,380.89	27.40%	\$ 926.37
31	5	Biologist	\$ 19.54	173.0	\$ 19.54	\$ 3,380.89	27.40%	\$ 926.37	173.0	\$ 19.54	\$ 3,380.89	27.40%	\$ 926.37
32	5	Biologist	\$ 22.05	173.0	\$ 22.05	\$ 3,814.26	27.40%	\$ 1,045.11	173.0	\$ 22.05	\$ 3,814.26	27.40%	\$ 1,045.11
33	5	Technician	\$ 18.16	173.0	\$ 18.16	\$ 3,142.30	27.40%	\$ 860.99	173.0	\$ 18.16	\$ 3,142.30	27.40%	\$ 860.99
34	5	Technician	\$ 18.16	173.0	\$ 18.16	\$ 3,142.30	27.40%	\$ 860.99	173.0	\$ 18.16	\$ 3,142.30	27.40%	\$ 860.99
35	5	Technician	\$ 18.16	173.0	\$ 18.16	\$ 3,142.30	27.40%	\$ 860.99	173.0	\$ 18.16	\$ 3,142.30	27.40%	\$ 860.99
36	5	Technician	\$ 18.16	173.0	\$ 18.16	\$ 3,142.30	27.40%	\$ 860.99	173.0	\$ 18.16	\$ 3,142.30	27.40%	\$ 860.99
41	6	Biologist	\$ 26.65	173.0	\$ 26.65	\$ 4,611.20	27.40%	\$ 1,263.47	173.0	\$ 26.65	\$ 4,611.20	27.40%	\$ 1,263.47
42	6	Biologist	\$ 19.54	173.0	\$ 19.54	\$ 3,380.89	27.40%	\$ 926.37	173.0	\$ 19.54	\$ 3,380.89	27.40%	\$ 926.37
43	6	Biologist	\$ 19.54	173.0	\$ 19.54	\$ 3,380.89	27.40%	\$ 926.37	173.0	\$ 19.54	\$ 3,380.89	27.40%	\$ 926.37
44	6	Technician	\$ 18.16	173.0	\$ 18.16	\$ 3,142.30	27.40%	\$ 860.99	173.0	\$ 18.16	\$ 3,142.30	27.40%	\$ 860.99
45	6	Technician	\$ 18.16	173.0	\$ 18.16	\$ 3,142.30	27.40%	\$ 860.99	173.0	\$ 18.16	\$ 3,142.30	27.40%	\$ 860.99
46	7	Biologist	\$ 38.28	173.0	\$ 38.28	\$ 6,622.20	27.40%	\$ 1,814.48	173.0	\$ 38.28	\$ 6,622.20	27.40%	\$ 1,814.48
47	7	Biologist	\$ 18.76	173.0	\$ 18.76	\$ 3,246.18	27.40%	\$ 889.45	173.0	\$ 18.76	\$ 3,246.18	27.40%	\$ 889.45
48	7	Technician	\$ 18.16	173.0	\$ 18.16	\$ 3,142.30	27.40%	\$ 860.99	173.0	\$ 18.16	\$ 3,142.30	27.40%	\$ 860.99
49	7	Technician	\$ 18.16	173.6	\$ 18.16	\$ 3,153.20	27.40%	\$ 863.98	173.6	\$ 18.16	\$ 3,153.20	27.40%	\$ 863.98
50	8	Technician	\$ 18.16		\$ 18.16	-	27.40%	\$ -	225.0	\$ 18.16	\$ 4,086.00	27.40%	\$ 1,119.56
51	8	Technician	\$ 18.16		\$ 18.16	-	27.40%	\$ -	225.0	\$ 18.16	\$ 4,086.00	27.40%	\$ 1,119.56
52	8	Technician	\$ 18.16		\$ 18.16	-	27.40%	\$ -	225.0	\$ 18.16	\$ 4,086.00	27.40%	\$ 1,119.56
53	8	Technician	\$ 18.16		\$ 18.16	-	27.40%	\$ -	225.0	\$ 18.16	\$ 4,086.00	27.40%	\$ 1,119.56
				7,439.60		\$ 161,505.00		\$ 44,252.00		\$ 972.00	\$ 177,849.00	\$ 13.00	\$ 48,731.00

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Yr 3 Escalation Rate		2.00%		Yr 4 Escalation Rate		2.00%			
YEAR 3					YEAR 4				
10/2/2023		Through	9/30/2024		10/1/2024		Through	9/30/2025	
# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost
259.5	\$ 39.04	\$ 10,131.97	27.70%	\$ 2,806.56	259.5	\$ 39.83	\$ 10,334.61	27.70%	\$ 2,862.69
259.5	\$ 19.14	\$ 4,966.65	27.70%	\$ 1,375.76	259.5	\$ 19.52	\$ 5,065.99	27.70%	\$ 1,403.28
259.5	\$ 17.06	\$ 4,427.77	27.70%	\$ 1,226.49	259.5	\$ 17.40	\$ 4,516.33	27.70%	\$ 1,251.02
173.0	\$ 27.19	\$ 4,703.42	27.70%	\$ 1,302.85	173.0	\$ 27.73	\$ 4,797.49	27.70%	\$ 1,328.90
173.0	\$ 19.14	\$ 3,311.10	27.70%	\$ 917.18	173.0	\$ 19.52	\$ 3,377.32	27.70%	\$ 935.52
173.0	\$ 17.06	\$ 2,951.85	27.70%	\$ 817.66	173.0	\$ 17.40	\$ 3,010.88	27.70%	\$ 834.01
173.0	\$ 17.06	\$ 2,951.85	27.70%	\$ 817.66	173.0	\$ 17.40	\$ 3,010.88	27.70%	\$ 834.01
173.0	\$ 39.04	\$ 6,754.65	27.70%	\$ 1,871.04	173.0	\$ 39.83	\$ 6,889.74	27.70%	\$ 1,908.46
173.0	\$ 22.49	\$ 3,891.37	27.70%	\$ 1,077.91	173.0	\$ 22.94	\$ 3,969.20	27.70%	\$ 1,099.47
173.0	\$ 19.93	\$ 3,448.51	27.70%	\$ 955.24	173.0	\$ 20.33	\$ 3,517.48	27.70%	\$ 974.34
173.0	\$ 19.93	\$ 3,448.51	27.70%	\$ 955.24	173.0	\$ 20.33	\$ 3,517.48	27.70%	\$ 974.34
	\$ 22.49	\$ -	27.70%	\$ -	259.5	\$ 22.94	\$ 5,952.53	27.70%	\$ 1,648.85
	\$ 20.07	\$ -	27.70%	\$ -	259.5	\$ 20.47	\$ 5,311.26	27.70%	\$ 1,471.22
	\$ 20.07	\$ -	27.70%	\$ -	259.5	\$ 20.47	\$ 5,311.26	27.70%	\$ 1,471.22
	\$ 18.53	\$ -	27.70%	\$ -	86.5	\$ 18.90	\$ 1,634.62	27.70%	\$ 452.79
	\$ 22.49	\$ -	27.70%	\$ -	259.5	\$ 22.94	\$ 5,952.53	27.70%	\$ 1,648.85
	\$ 18.53	\$ -	27.70%	\$ -	259.5	\$ 18.90	\$ 4,903.87	27.70%	\$ 1,358.37
	\$ 18.53	\$ -	27.70%	\$ -	259.5	\$ 18.90	\$ 4,903.87	27.70%	\$ 1,358.37
346.0	\$ 19.93	\$ 6,897.02	27.70%	\$ 1,910.48	346.0	\$ 20.33	\$ 7,034.96	27.70%	\$ 1,948.69
346.0	\$ 19.93	\$ 6,897.02	27.70%	\$ 1,910.48	346.0	\$ 20.33	\$ 7,034.96	27.70%	\$ 1,948.69
259.5	\$ 39.04	\$ 10,131.97	27.70%	\$ 2,806.56	259.5	\$ 39.83	\$ 10,334.61	27.70%	\$ 2,862.69
346.0	\$ 22.49	\$ 7,781.09	27.70%	\$ 2,155.36	346.0	\$ 22.94	\$ 7,936.71	27.70%	\$ 2,198.47
346.0	\$ 18.53	\$ 6,410.29	27.70%	\$ 1,775.65	346.0	\$ 18.90	\$ 6,538.50	27.70%	\$ 1,811.16
346.0	\$ 18.53	\$ 6,410.29	27.70%	\$ 1,775.65	346.0	\$ 18.90	\$ 6,538.50	27.70%	\$ 1,811.16
346.0	\$ 18.53	\$ 6,410.29	27.70%	\$ 1,775.65	346.0	\$ 18.90	\$ 6,538.50	27.70%	\$ 1,811.16
173.0	\$ 27.19	\$ 4,703.42	27.70%	\$ 1,302.85	173.0	\$ 27.73	\$ 4,797.49	27.70%	\$ 1,328.90
173.0	\$ 19.93	\$ 3,448.51	27.70%	\$ 955.24	173.0	\$ 20.33	\$ 3,517.48	27.70%	\$ 974.34
173.0	\$ 19.93	\$ 3,448.51	27.70%	\$ 955.24	173.0	\$ 20.33	\$ 3,517.48	27.70%	\$ 974.34
173.0	\$ 22.49	\$ 3,890.54	27.70%	\$ 1,077.68	173.0	\$ 22.94	\$ 3,968.36	27.70%	\$ 1,099.23
173.0	\$ 18.53	\$ 3,205.15	27.70%	\$ 887.83	173.0	\$ 18.90	\$ 3,269.25	27.70%	\$ 905.58
173.0	\$ 18.53	\$ 3,205.15	27.70%	\$ 887.83	173.0	\$ 18.90	\$ 3,269.25	27.70%	\$ 905.58
173.0	\$ 18.53	\$ 3,205.15	27.70%	\$ 887.83	173.0	\$ 18.90	\$ 3,269.25	27.70%	\$ 905.58
173.0	\$ 18.53	\$ 3,205.15	27.70%	\$ 887.83	173.0	\$ 18.90	\$ 3,269.25	27.70%	\$ 905.58
173.0	\$ 27.19	\$ 4,703.42	27.70%	\$ 1,302.85	173.0	\$ 27.73	\$ 4,797.49	27.70%	\$ 1,328.90
173.0	\$ 19.93	\$ 3,448.51	27.70%	\$ 955.24	173.0	\$ 20.33	\$ 3,517.48	27.70%	\$ 974.34
173.0	\$ 19.93	\$ 3,448.51	27.70%	\$ 955.24	173.0	\$ 20.33	\$ 3,517.48	27.70%	\$ 974.34
173.0	\$ 18.53	\$ 3,205.15	27.70%	\$ 887.83	173.0	\$ 18.90	\$ 3,269.25	27.70%	\$ 905.58
173.0	\$ 18.53	\$ 3,205.15	27.70%	\$ 887.83	173.0	\$ 18.90	\$ 3,269.25	27.70%	\$ 905.58
173.0	\$ 39.04	\$ 6,754.65	27.70%	\$ 1,871.04	173.0	\$ 39.83	\$ 6,889.74	27.70%	\$ 1,908.46
173.0	\$ 19.14	\$ 3,311.10	27.70%	\$ 917.18	173.0	\$ 19.52	\$ 3,377.32	27.70%	\$ 935.52
173.0	\$ 18.53	\$ 3,205.15	27.70%	\$ 887.83	173.0	\$ 18.90	\$ 3,269.25	27.70%	\$ 905.58
173.6	\$ 18.53	\$ 3,216.26	27.70%	\$ 890.90	173.6	\$ 18.90	\$ 3,280.59	27.70%	\$ 908.72
225.0	\$ 18.52	\$ 4,167.72	27.70%	\$ 1,154.46	225.0	\$ 18.89	\$ 4,251.07	27.70%	\$ 1,177.55
225.0	\$ 18.52	\$ 4,167.72	27.70%	\$ 1,154.46	225.0	\$ 18.89	\$ 4,251.07	27.70%	\$ 1,177.55
225.0	\$ 18.52	\$ 4,167.72	27.70%	\$ 1,154.46	225.0	\$ 18.89	\$ 4,251.07	27.70%	\$ 1,177.55
225.0	\$ 18.52	\$ 4,167.72	27.70%	\$ 1,154.46	225.0	\$ 18.89	\$ 4,251.07	27.70%	\$ 1,177.55
	\$ 992.00	\$ 181,406.00		\$ 50,249.00		\$ 1,012.00	\$ 219,004.00		\$ 60,664.00

Yr 5 Escalation Rate	2.00%
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SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

YEAR 5					Total Salary Cost	Total Fringe Cost	Total Labor Cost
10/1/2025		Through	9/30/2026				
# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost			
259.5	\$ 40.62	\$ 10,541.30	27.70%	\$ 2,919.94	\$ 50,874.49	\$ 14,032.63	\$ 64,907.12
259.5	\$ 19.91	\$ 5,167.30	27.70%	\$ 1,431.34	\$ 24,938.48	\$ 6,878.74	\$ 31,817.22
259.5	\$ 17.75	\$ 4,606.65	27.70%	\$ 1,276.04	\$ 22,232.65	\$ 6,132.40	\$ 28,365.05
173.0	\$ 28.29	\$ 4,893.44	27.70%	\$ 1,355.48	\$ 23,616.74	\$ 6,514.17	\$ 30,130.91
173.0	\$ 19.91	\$ 3,444.87	27.70%	\$ 954.23	\$ 16,625.65	\$ 4,585.83	\$ 21,211.48
173.0	\$ 17.75	\$ 3,071.10	27.70%	\$ 850.70	\$ 14,821.77	\$ 4,088.27	\$ 18,910.03
173.0	\$ 17.75	\$ 3,071.10	27.70%	\$ 850.70	\$ 14,821.77	\$ 4,088.27	\$ 18,910.03
173.0	\$ 40.62	\$ 7,027.53	27.70%	\$ 1,946.63	\$ 33,916.33	\$ 9,355.09	\$ 43,271.42
173.0	\$ 23.40	\$ 4,048.58	27.70%	\$ 1,121.46	\$ 19,539.30	\$ 5,389.49	\$ 24,928.79
173.0	\$ 20.74	\$ 3,587.83	27.70%	\$ 993.83	\$ 17,315.61	\$ 4,776.14	\$ 22,091.75
173.0	\$ 20.74	\$ 3,587.83	27.70%	\$ 993.83	\$ 17,315.61	\$ 4,776.14	\$ 22,091.75
259.5	\$ 23.40	\$ 6,071.58	27.70%	\$ 1,681.83	\$ 12,024.12	\$ 3,330.68	\$ 15,354.80
259.5	\$ 20.88	\$ 5,417.49	27.70%	\$ 1,500.64	\$ 10,728.75	\$ 2,971.86	\$ 13,700.62
259.5	\$ 20.88	\$ 5,417.49	27.70%	\$ 1,500.64	\$ 10,728.75	\$ 2,971.86	\$ 13,700.62
86.5	\$ 19.28	\$ 1,667.32	27.70%	\$ 461.85	\$ 3,301.94	\$ 914.64	\$ 4,216.58
259.5	\$ 23.40	\$ 6,071.58	27.70%	\$ 1,681.83	\$ 12,024.12	\$ 3,330.68	\$ 15,354.80
259.5	\$ 19.28	\$ 5,001.95	27.70%	\$ 1,385.54	\$ 9,905.82	\$ 2,743.91	\$ 12,649.74
259.5	\$ 19.28	\$ 5,001.95	27.70%	\$ 1,385.54	\$ 9,905.82	\$ 2,743.91	\$ 12,649.74
346.0	\$ 20.74	\$ 7,175.66	27.70%	\$ 1,987.66	\$ 34,631.23	\$ 9,552.28	\$ 44,183.51
346.0	\$ 20.74	\$ 7,175.66	27.70%	\$ 1,987.66	\$ 34,631.23	\$ 9,552.28	\$ 44,183.51
259.5	\$ 40.62	\$ 10,541.30	27.70%	\$ 2,919.94	\$ 50,874.49	\$ 14,032.63	\$ 64,907.12
346.0	\$ 23.40	\$ 8,095.44	27.70%	\$ 2,242.44	\$ 39,070.28	\$ 10,776.70	\$ 49,846.97
346.0	\$ 19.28	\$ 6,669.27	27.70%	\$ 1,847.39	\$ 32,187.26	\$ 8,878.16	\$ 41,065.42
346.0	\$ 19.28	\$ 6,669.27	27.70%	\$ 1,847.39	\$ 32,187.26	\$ 8,878.16	\$ 41,065.42
346.0	\$ 19.28	\$ 6,669.27	27.70%	\$ 1,847.39	\$ 32,187.26	\$ 8,878.16	\$ 41,065.42
173.0	\$ 28.29	\$ 4,893.44	27.70%	\$ 1,355.48	\$ 23,616.74	\$ 6,514.17	\$ 30,130.91
173.0	\$ 20.74	\$ 3,587.83	27.70%	\$ 993.83	\$ 17,315.61	\$ 4,776.14	\$ 22,091.75
173.0	\$ 20.74	\$ 3,587.83	27.70%	\$ 993.83	\$ 17,315.61	\$ 4,776.14	\$ 22,091.75
173.0	\$ 23.40	\$ 4,047.72	27.70%	\$ 1,121.22	\$ 19,535.14	\$ 5,388.35	\$ 24,923.49
173.0	\$ 19.28	\$ 3,334.63	27.70%	\$ 923.69	\$ 16,093.63	\$ 4,439.08	\$ 20,532.71
173.0	\$ 19.28	\$ 3,334.63	27.70%	\$ 923.69	\$ 16,093.63	\$ 4,439.08	\$ 20,532.71
173.0	\$ 19.28	\$ 3,334.63	27.70%	\$ 923.69	\$ 16,093.63	\$ 4,439.08	\$ 20,532.71
173.0	\$ 19.28	\$ 3,334.63	27.70%	\$ 923.69	\$ 16,093.63	\$ 4,439.08	\$ 20,532.71
173.0	\$ 28.29	\$ 4,893.44	27.70%	\$ 1,355.48	\$ 23,616.74	\$ 6,514.17	\$ 30,130.91
173.0	\$ 20.74	\$ 3,587.83	27.70%	\$ 993.83	\$ 17,315.61	\$ 4,776.14	\$ 22,091.75
173.0	\$ 20.74	\$ 3,587.83	27.70%	\$ 993.83	\$ 17,315.61	\$ 4,776.14	\$ 22,091.75
173.0	\$ 19.28	\$ 3,334.63	27.70%	\$ 923.69	\$ 16,093.63	\$ 4,439.08	\$ 20,532.71
173.0	\$ 19.28	\$ 3,334.63	27.70%	\$ 923.69	\$ 16,093.63	\$ 4,439.08	\$ 20,532.71
173.0	\$ 40.62	\$ 7,027.53	27.70%	\$ 1,946.63	\$ 33,916.33	\$ 9,355.09	\$ 43,271.42
173.0	\$ 19.91	\$ 3,444.87	27.70%	\$ 954.23	\$ 16,625.65	\$ 4,585.83	\$ 21,211.48
173.0	\$ 19.28	\$ 3,334.63	27.70%	\$ 923.69	\$ 16,093.63	\$ 4,439.08	\$ 20,532.71
173.6	\$ 19.28	\$ 3,346.20	27.70%	\$ 926.90	\$ 16,149.45	\$ 4,454.48	\$ 20,603.92
225.0	\$ 19.27	\$ 4,336.10	27.70%	\$ 1,201.10	\$ 16,840.89	\$ 4,652.67	\$ 21,493.56
225.0	\$ 19.27	\$ 4,336.10	27.70%	\$ 1,201.10	\$ 16,840.89	\$ 4,652.67	\$ 21,493.56
225.0	\$ 19.27	\$ 4,336.10	27.70%	\$ 1,201.10	\$ 16,840.89	\$ 4,652.67	\$ 21,493.56
225.0	\$ 19.27	\$ 4,336.10	27.70%	\$ 1,201.10	\$ 16,840.89	\$ 4,652.67	\$ 21,493.56
	\$ 1,032.00	\$ 223,384.00		\$ 61,877.00	\$ 963,148.00	\$ 265,773.00	\$ 1,228,921.00

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, AND SERVICES

Yr 2 Escalation Rate	0.00%
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				FY-2022			FY-2023		
				Year 1			Year 2		
Task # or Description	Item Description	Rationale for Proposed Cost	Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal	
1	2	SERVICE-Annual boat Motor service							
		\$500 /boat X 4 boats- Based on previous experience & SOWs funded through BOR contract R14AP00001	\$ 550.00	4	\$ 2,200.00	\$ 550.00	4	\$ 2,200.00	
2	2	SERVICE-Repair and maintenance-(welding, rigging, & repair) of field equipment-cost based on past experience.							
		Costs for annual maintenance of generators and electrofishing equipment and repair of broken equipment based on previous experience & SOWs funded through BOR contract R14AP00001.	\$ 2,300.00	1	\$ 2,300.00	\$ 2,300.00	1	\$ 2,300.00	
3	3	SUPPLIES-Electrofishing generator gas							
		\$3/gal x 2 gal/day x 5 days/trip x 4 trips- Based on previous experience & SOWs funded through BOR contract R14AP00001	\$ 3.00	40	\$ 120.00	\$ 3.00	40	\$ 120.00	
4	4a	SUPPLIES-Electrofishing boat gas							
		\$3/gal. x (4 boats x 15gal./day x 8 day/trip x 3 trips=1440 units) - Based on previous experience & SOWs funded through BOR contract R14AP00001	\$ 3.00		\$ -	\$ 3.00		\$ -	
5	4a	SUPPLIES-Field supplies: sampling nets, boots, waders, electrical safety gloves, tools, tune-up parts for generators, electrical connectors for safe electrofishing operation.							
		Based on previous experience & SOWs funded through BOR contract R14AP00001	\$ 1,800.00		\$ -	\$ 1,800.00		\$ -	
6	4a	SERVICE- GPS Personal Locator Beacons and monthly service charge for emergency communication in remote areas: equipment and monthly service fees.							
		Based on previous experience & SOWs funded through BOR contract R14AP00001	\$ 600.00		\$ -	\$ 600.00		\$ -	
7	4b	SUPPLIES-Electrofishing boat gas							
		\$3/gal. x 4 boats x 15gal./day x 8 day/trip x 5 trips- Based on previous experience & SOWs funded through BOR contract R14AP00001	\$ 3.00	2400	\$ 7,200.00	\$ 3.00	2400	\$ 7,200.00	
8	4b	SUPPLIES-Field supplies: sampling nets, boots, waders, electrical safety gloves, tools, tune-up parts for generators, electrical connectors for safe electrofishing operation.							
		Based on previous experience & SOWs funded through BOR contract R14AP00001	\$ 4,200.00	1	\$ 2,100.00	\$ 4,200.00	1	\$ 2,100.00	
9	6	SUPPLIES-Field supplies: Electric seine repair and maintenance parts- replace connectors to maintain safe operation.							
		Based on previous experience & SOWs funded through BOR contract R14AP00001	\$ 750.00	1	\$ 750.00	\$ 750.00	1	\$ 750.00	
10	7	SUPPLIES-Computer upgrades-hardware and software for field data loggers.							
		Based on previous experience & SOWs funded through BOR contract R14AP00001	\$ 2,200.00	1	\$ 2,200.00	\$ 2,200.00	1	\$ 2,200.00	
11	8	Supplies-Gill nets and fish handling supplies							
		Based on previous experience & SOWs funded through BOR contract R14AP00001	\$ 5,629.00	0	\$ -	\$ 5,629.00	1	\$ 5,629.00	
12									
			\$ -	0	\$ -	\$ -	0	\$ -	
TOTAL:						\$ 16,870.00		\$ 22,499.00	

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, AND SERVICES			Yr 3 Escalation Rate	2.00%	Yr 4 Escalation Rate	2.00%		
			FY-2024			FY-2025		
			Year 3			Year 4		
Task # or Description	Item Description	Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal	
1	2	SERVICE-Annual boat Motor service	\$ 561.00	4	\$ 2,244.00	\$ 572.22	4	\$ 2,288.88
2	2	SERVICE-Repair and maintenance-(welding, rigging, & repair) of field equipment-cost based on past experience.	\$ 2,346.00	1	\$ 2,346.00	\$ 2,392.92	1	\$ 2,392.92
3	3	SUPPLIES-Electrofishing generator gas	\$ 3.06	40	\$ 122.40	\$ 3.12	40	\$ 124.85
4	4a	SUPPLIES-Electrofishing boat gas	\$ 3.06		-	\$ 3.12	1440	\$ 4,494.53
5	4a	SUPPLIES-Field supplies: sampling nets, boots, waders, electrical safety gloves, tools, tune-up parts for generators, electrical connectors for safe electrofishing operation.	\$ 1,836.00		-	\$ 1,872.72	1	\$ 1,872.72
6	4a	SERVICE- GPS Personal Locator Beacons and monthly service charge for emergency communication in remote areas: equipment and monthly service fees.	\$ 612.00		-	\$ 624.24	1	\$ 624.24
7	4b	SUPPLIES-Electrofishing boat gas	\$ 3.06	2400	\$ 7,344.00	\$ 3.12	2400	\$ 7,490.88
8	4b	SUPPLIES-Field supplies: sampling nets, boots, waders, electrical safety gloves, tools, tune-up parts for generators, electrical connectors for safe electrofishing operation.	\$ 4,284.00	1	\$ 2,142.00	\$ 4,369.68	1	\$ 2,184.84
9	6	SUPPLIES-Field supplies: Electric seine repair and maintenance parts- replace connectors to maintain safe operation.	\$ 765.00	1	\$ 765.00	\$ 780.30	1	\$ 780.30
10	7	SUPPLIES-Computer upgrades-hardware and software for field data loggers.	\$ 2,244.00	1	\$ 2,244.00	\$ 2,288.88	1	\$ 2,288.88
11	8	Supplies-Gill nets and fish handling supplies	\$ 5,741.58	1	\$ 5,741.58	\$ 5,856.41	1	\$ 5,856.41
12			\$ -	0	\$ -	\$ -	0	\$ -
					\$ 22,949.00			\$ 30,399.00

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, AND SERVICES	Yr 5 Escalation Rate	2.00%
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FY-2026

			Year 5			
	Task # or Description	Item Description	Unit Price	Unit Quantity	Subtotal	TOTAL
1	2	SERVICE-Annual boat Motor service	\$ 583.66	4	\$ 2,334.66	\$ 11,267.54
2	2	SERVICE-Repair and maintenance-(welding, rigging, & repair) of field equipment-cost based on past experience.	\$ 2,440.78	1	\$ 2,440.78	\$ 11,779.70
3	3	SUPPLIES-Electrofishing generator gas	\$ 3.18	40	\$ 127.34	\$ 614.59
4	4a	SUPPLIES-Electrofishing boat gas	\$ 3.18	1440	\$ 4,584.42	\$ 9,078.95
5	4a	SUPPLIES-Field supplies: sampling nets, boots, waders, electrical safety gloves, tools, tune-up parts for generators, electrical connectors for safe electrofishing operation.	\$ 1,910.17	1	\$ 1,910.17	\$ 3,782.89
6	4a	SERVICE- GPS Personal Locator Beacons and monthly service charge for emergency communication in remote areas: equipment and monthly service fees.	\$ 636.72	1	\$ 636.72	\$ 1,260.96
7	4b	SUPPLIES-Electrofishing boat gas	\$ 3.18	2400	\$ 7,640.70	\$ 36,875.58
8	4b	SUPPLIES-Field supplies: sampling nets, boots, waders, electrical safety gloves, tools, tune-up parts for generators, electrical connectors for safe electrofishing operation.	\$ 4,457.07	1	\$ 2,228.54	\$ 10,755.38
9	6	SUPPLIES-Field supplies: Electric seine repair and maintenance parts- replace connectors to maintain safe operation.	\$ 795.91	1	\$ 795.91	\$ 3,841.21
10	7	SUPPLIES-Computer upgrades-hardware and software for field data loggers.	\$ 2,334.66	1	\$ 2,334.66	\$ 11,267.54
11	8	Supplies-Gill nets and fish handling supplies	\$ 5,973.54	1	\$ 5,973.54	\$ 23,200.53
12			\$ -	0	\$ -	\$ -
					\$ 31,007.00	\$ 123,724.00

SUMMARY OF TRAVEL COSTS

		FY22	FY23	FY24	FY25	FY26		
Task 1	Cost Element	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL	
	Trip #	1	1	1	1	1		
	From-To	Fort Collins to Grand Junction	Fort Collins to Grand Junction	Fort Collins to Grand Junction	Fort Collins to Grand Junction	Fort Collins to Grand Junction		
	Reason	BC & UCRIP Meetings	BC & Research Meeting	BC & Research Meeting	BC & Research Meeting	BC & Research Meeting		
	# of Days (include travel days)	4	4	4	4	4		
	Airfare	\$ -						
	Lodging (Per Night)	\$ 88.00	\$ 88.00	\$ 88.00	\$ 88.00	\$ 88.00		
	MI&E Per Day	\$ 55.00	\$ 55.00	\$ 55.00	\$ 55.00	\$ 55.00		
	Auto Rental Per Day							
	Misc Costs/Adjustments/Trip							
	Hawkins corrected Total Per Trip	\$ 456.50	\$ 456.50	\$ 456.50	\$ 456.50	\$ 456.50		
	No. of persons	2	2	2	2	2		
	Mileage rate	\$ 0.75	\$ 0.75	\$ 0.75	\$ 0.75	\$ 0.75		
	Total miles	617	617	617	617	617		
	Hawkins Added # of Trips	3	3	3	3	3		
	SUBTOTAL =	\$ 4,127.00	\$ 4,127.00	\$ 4,127.00	\$ 4,127.00	\$ 4,127.00	\$ 20,635.00	
Task 2	Cost Element	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL	
	Trip #	2	2	2	2	2		
	From-To	Fort Collins-Craig, CO	Fort Collins-Craig, CO	Fort Collins-Craig, CO	Fort Collins-Craig, CO	Fort Collins-Craig, CO		
	Reason	Coordinate with landow	Coordinate with landow	Coordinate with landow	Coordinate with landow	Coordinate with landowners		
	# of Days (include travel days)	5	5	5	5	5		
	Airfare							
	Lodging (Per Night)	\$ 78.00	\$ 78.00	\$ 78.00	\$ 78.00	\$ 78.00		
	MI&E Per Day	\$ 55.00	\$ 55.00	\$ 55.00	\$ 55.00	\$ 55.00		
	Auto Rental Per Day							
	Misc Costs/Adjustments/Trip							
	Hawkins corrected Total Per Trip	\$ 559.50	\$ 559.50	\$ 559.50	\$ 559.50	\$ 559.50		
	No. of persons	2	2	2	2	2		
	Mileage rate	\$ 0.75	\$ 0.75	\$ 0.75	\$ 0.75	\$ 0.75		
	Total miles	419	419	419	419	419		
	Hawkins Added # of Trips	1	1	1	1	1		
	SUBTOTAL =	\$ 1,433.00	\$ 1,433.00	\$ 1,433.00	\$ 1,433.00	\$ 1,433.00	\$ 7,165.00	

SUMMARY OF TRAVEL COSTS

	FY22	FY23	FY24	FY25	FY26	
Task 3 Cost Element	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
Trip #	3	3	3	3	3	
From-To	Fort Collins-Hayden, CO	Fort Collins-Hayden, CO	Fort Collins-Hayden, CO	Fort Collins-Hayden, CO	Fort Collins-Hayden, CO	
Reason	Pike Removal	Pike Removal	Pike Removal	Pike Removal	Pike Removal	
# of Days (include travel days)	5	5	5	5	5	
Airfare						
Lodging (Per Night)	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	
MI&E Per Day	\$ 55.00	\$ 55.00	\$ 55.00	\$ 55.00	\$ 55.00	
Auto Rental Per Day						
Misc Costs/Adjustments/Trip						
Hawkins corrected Total Per Trip	\$ 387.50	\$ 387.50	\$ 387.50	\$ 387.50	\$ 387.50	
No. of persons	4	4	4	4	4	
Mileage rate	\$ 0.75	\$ 0.75	\$ 0.75	\$ 0.75	\$ 0.75	
Total miles	567	567	567	567	567	
Hawkins Added # of Trips	3	3	3	3	3	
SUBTOTAL =	\$ 5,926.00	\$ 5,926.00	\$ 5,926.00	\$ 5,926.00	\$ 5,926.00	\$ 29,630.00

	Year 1	Year 2	Year 3	Year 4	Year 5	
Task 4a Cost Element	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
Trip #	4	4	4	4	4	
From-To	Ft Collins-Craig, CO	Ft Collins-Craig, CO	Ft Collins-Craig, CO	Ft Collins-Craig, CO	Ft Collins-Craig, CO	
Reason	Nonnative fish removal	Nonnative fish removal	Nonnative fish removal	Nonnative fish removal	Nonnative fish removal	
# of Days (include travel days)				10	10	
Airfare						
Lodging (Per Night)				\$ 35.00	\$ 35.00	
MI&E Per Day				\$ 20	\$ 20	
Auto Rental Per Day						
Misc Costs/Adjustments/Trip						
Hawkins corrected Total Per Trip	\$ -	\$ -	\$ -	\$ 505.00	\$ 505.00	
No. of persons				7	7	
Mileage rate				\$ 0.75	\$ 0.75	
Total miles				2,700	2,700	
Hawkins Added # of Trips	3	3	3	3	3	
SUBTOTAL =	\$ -	\$ -	\$ -	\$ 16,679.00	\$ 16,679.00	\$ 33,358.00

SUMMARY OF TRAVEL COSTS

FY22

FY23

FY24

FY25

FY26

Task 4b Cost Element	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
Trip #	5	5	5	5	5	
From-To	Ft Collins-Craig, CO	Ft Collins-Craig, CO	Ft Collins-Craig, CO	Ft Collins-Craig, CO	Ft Collins-Craig, CO	
Reason	Nonnative fish removal	Nonnative fish removal	Nonnative fish removal	Nonnative fish removal	Nonnative fish removal	
# of Days (include travel days)	10	10	10	10	10	
Airfare						
Lodging (Per Night)	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	
MI&E Per Day	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	
Auto Rental Per Day						
Misc Costs/Adjustments/Trip						
Hawkins corrected Total Per Trip	\$ 505.00	\$ 505.00	\$ 505.00	\$ 505.00	\$ 505.00	
No. of persons	7	7	7	7	7	
Mileage rate	\$ 0.75	\$ 0.75	\$ 0.75	\$ 0.75	\$ 0.75	
Total miles	2,680	2,680	2,680	2,680	2,680	
Hawkins Added # of Trips	5	5	5	5	5	
SUBTOTAL =	\$ 27,725.00	\$ 27,725.00	\$ 27,725.00	\$ 27,725.00	\$ 27,725.00	\$ 138,625.00

Task 5 Cost Element	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
Trip #	6	6	6	6	6	
From-To	Ft Collins-Craig, CO	Ft Collins-Craig, CO	Ft Collins-Craig, CO	Ft Collins-Craig, CO	Ft Collins-Craig, CO	
Reason	Nonnative fish removal	Nonnative fish removal	Nonnative fish removal	Nonnative fish removal	Nonnative fish removal	
# of Days (include travel days)	10	10	10	10	10	
Airfare						
Lodging (Per Night)	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	
MI&E Per Day	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	
Auto Rental Per Day						
Misc Costs/Adjustments/Trip						
Hawkins corrected Total Per Trip	\$ 505.00	\$ 505.00	\$ 505.00	\$ 505.00	\$ 505.00	
No. of persons	7	7	7	7	7	
Mileage rate	\$ 0.75	\$ 0.75	\$ 0.75	\$ 0.75	\$ 0.75	
Total miles	2,127	2,127	2,127	2,127	2,127	
Hawkins Added # of Trips	2	2	2	2	2	
SUBTOTAL =	\$ 10,261.00	\$ 10,261.00	\$ 10,261.00	\$ 10,261.00	\$ 10,261.00	\$ 51,305.00

SUMMARY OF TRAVEL COSTS

	FY22	FY23	FY24	FY25	FY26	
Task 6 Cost Element	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
Trip #	7	7	7	7	7	
From-To	Ft Collins-Craig, CO	Ft Collins-Craig, CO	Ft Collins-Craig, CO	Ft Collins-Craig, CO	Ft Collins-Craig, CO	
Reason	Young Nonnative fish re	Young Nonnative fish re	Young Nonnative fish re	Young Nonnative fish re	Young Nonnative fish removal	
# of Days (include travel days)	10	10	10	10	10	
Airfare						
Lodging (Per Night)	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	
MI&E Per Day	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	
Auto Rental Per Day						
Misc Costs/Adjustments/Trip						
Hawkins correced Total Per Trip	\$ 505.00	\$ 505.00	\$ 505.00	\$ 505.00	\$ 505.00	
No. of persons	5	5	5	5	5	
Mileage rate	\$ 0.75	\$ 0.75	\$ 0.75	\$ 0.75	\$ 0.75	
Total miles	1,487	1,487	1,487	1,487	1,487	
Hawkins Added # of Trips	2	2	2	2	2	
SUBTOTAL =	\$ 7,281.00	\$ 7,281.00	\$ 7,281.00	\$ 7,281.00	\$ 7,281.00	\$ 36,405.00

Cost Element	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
Trip # 8-Backwater netting	8	8	8	8	8	
From-To		Ft Collins-Craig, CO				
Reason		Pike BA Netting				
# of Days (include travel days)		5				
Airfare						
Lodging (Per Night)		\$ 56.00				
MI&E Per Day		\$ 51.00				
Auto Rental Per Day						
Misc Costs/Adjustments/Trip						
Hawkins correced Total Per Trip	\$ -	\$ 453.50	\$ -	\$ -	\$ -	
No. of persons		4				
Mileage rate		\$ 0.75				
Total miles		900				
Hawkins Added # of Trips	2	5	2	2	2	
SUBTOTAL =	\$ -	\$ 12,445.00	\$ -	\$ -	\$ -	\$ 12,445.00

SUMMARY OF TRAVEL COSTS

	FY22	FY23	FY24	FY25	FY26	
	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
TOTAL COST BY PERIOD =	\$ 56,753.00	\$ 69,198.00	\$ 56,753.00	\$ 73,432.00	\$ 73,432.00	\$ 329,568.00

Lodging quote from Wild Skies Cabins for Crew Housing while in the field in Craig, CO.



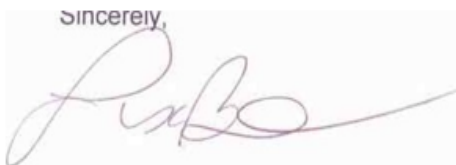
February 12, 2021

To Whom It May Concern at CSU:

I have quoted a rate of \$2000 a month for the 2 bedroom unit and \$1250 a month for each studio cabin at 100 CR 30, Craig, Co 81632. These rates are locked from April 1- Oct 15th.

We do require a deposit of 50% to hold the units (\$2875). This deposit will be applied towards the first month's rent. The last ½ month would be at a rate of \$1500 for the two bedroom and \$1050 each for the studio cabins.

Please feel free to call me should you have any questions.

Sincerely,


Lisa Bennett
Wild Skies Rentals
970.926.0216

Calculation to estimate \$35/night Lodging costs per person:

I calculated the number of person days that field crew would require for Lodging during all Work Tasks and divided that into the total cost for all Lodging for 5 months that the field crew would be in the field.

I estimated that each person would need \$35/night to cover all Lodging for the entire 5 month field season.

Cabins were rented monthly for 5 months

Based on one 2-bedroom cabin that sleeps three and three one-bedroom cabins that sleep one.

2 bedroom sleeps two people \$2050/month

1 bedroom cabin sleeps one \$1,250/month

Total lodging costs = \$5,750/month

SUMMARY OF PROPOSED COSTS

Name of Servicing Agency:	U.S.F.W.S. Grand Junction Fish and Wildlife Conservation Office
Project Name:	125, Remove spawning adult smallmouth bass from the middle Yampa River.

	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL	
	10/1/2021		10/1/2022		10/1/2023		10/1/2024		10/1/2025			
	Through		Through		Through		Through		Through			
Enter the BEGINNING dates for each year ----->	9/30/2022		9/30/2023		9/30/2024		9/30/2025		9/30/2026			
Enter the ENDING dates for each year ----->												
DIRECT LABOR AND FRINGE BENEFIT COSTS:												
Direct Labor - Hourly	\$	-	\$	-	\$	7,036.22	\$	7,176.95	\$	7,320.49	\$	21,533.66
Fringe Benefits - Hourly	\$	-	\$	-	\$	3,657.95	\$	3,731.11	\$	3,805.73	\$	11,194.80
Subtotal of Direct Labor & Fringe Benefits:	\$	-	\$	-	\$	10,694.18	\$	10,908.06	\$	11,126.22	\$	32,728.46
OTHER DIRECT COSTS:												
Materials and Supplies	\$	-	\$	-	\$	2,731.41	\$	2,786.06	\$	2,841.76	\$	8,359.23
Travel Costs	\$	-	\$	-	\$	4,196.02	\$	4,279.94	\$	4,365.54	\$	12,841.49
Equipment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Contractors	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Subtotal of Other Direct Costs:	\$	-	\$	-	\$	6,927.43	\$	7,066.00	\$	7,207.30	\$	21,200.72
INDIRECT/OVERHEAD COSTS:												
Subtotal of Labor and Other Direct Costs:	\$	-	\$	-	\$	17,621.60	\$	17,974.06	\$	18,333.52	\$	53,929.17
Total dollars exempt from indirect/overhead base:	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
<Enter Description of Indirect/OH Cost #1>	3.00%	\$	-	3.00%	\$	528.65	3.00%	\$	539.22	3.00%	\$	550.01
Total dollars exempt from indirect/overhead base:	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
<Enter Description of Indirect/OH Cost #2>		\$	-	0.00%	\$	-	0.00%	\$	-	0.00%	\$	-
Subtotal of Indirect/Overhead Costs:	\$	-	\$	-	\$	528.65	\$	539.22	\$	550.01	\$	1,617.88
GRAND TOTAL:	\$	-	\$	-	\$	18,150.25	\$	18,513.28	\$	18,883.52	\$	55,547.05

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Enter Escalation Rates ----->	Yr 2 Escalation Rate	0.00%
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Project Number	Task # or Description	Position Title	GS/WG Grade	GS/WG Step	OPM Pay Location	Current Hourly Rate	YEAR 1					YEAR 2					
							10/1/2021		Through	9/30/2022		10/1/2022		Through	9/30/2023		
							# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	
1	125	5	Deputy Project Leader	12	4	Rest of US	\$ 40.84	-	\$ 40.84	\$ -	51.50%	\$ -	-	\$ 40.84	\$ -	51.50%	\$ -
2	125	5	Biological Technician (Crew Leader)	7	5	Rest of US	\$ 23.72	-	\$ 23.72	\$ -	65.00%	\$ -	-	\$ 23.72	\$ -	65.00%	\$ -
3	125	5	Biological Technician (Crew Leader)	6	4	Rest of US	\$ 20.72	-	\$ 20.72	\$ -	49.80%	\$ -	-	\$ 20.72	\$ -	49.80%	\$ -
4	125	5	Biological Technician	5	1	Rest of US	\$ 16.90	-	\$ 16.90	\$ -	45.60%	\$ -	-	\$ 16.90	\$ -	45.60%	\$ -
5	125	5	Biological Technician (Crew Leader) OT	7	5	Rest of US	\$ 35.58	-	\$ 35.58	\$ -	65.00%	\$ -	-	\$ 35.58	\$ -	65.00%	\$ -
6	125	5	Biological Technician (Crew Leader) OT	6	4	Rest of US	\$ 31.08	-	\$ 31.08	\$ -	49.80%	\$ -	-	\$ 31.08	\$ -	49.80%	\$ -
7	125	5	Biological Technician OT	5	1	Rest of US	\$ 25.35	-	\$ 25.35	\$ -	45.60%	\$ -	-	\$ 25.35	\$ -	45.60%	\$ -
8							\$ -	-	\$ -	\$ -	49.80%	\$ -	-	\$ -	\$ -	49.80%	\$ -
9							\$ -	-	\$ -	\$ -	45.60%	\$ -	-	\$ -	\$ -	45.60%	\$ -
10							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
11							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
12							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
13							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
14							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
15							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
16							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
17							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
18							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
19							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
20							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
21							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
22							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
23							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
24							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
25							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
26							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
27							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
28							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
29							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
30							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
31							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Yr 3 Escalation Rate 4.00%

Yr 4 Escalation Rate 2.00%

Project Number	Task # or Description	Position Title	GS/WG Grade	GS/WG Step	OPM Pay Location	Current Hourly Rate	YEAR 3					YEAR 4					
							10/1/2023		Through	9/30/2024		10/1/2024		Through	9/30/2025		
							# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	
1	125	5	Deputy Project Leader	12	4	Rest of US	\$ 40.84	40.0	\$ 42.47	\$ 1,698.94	51.50%	\$ 874.96	40.0	\$ 43.32	\$ 1,732.92	51.50%	\$ 892.46
2	125	5	Biological Technician (Crew Leader)	7	5	Rest of US	\$ 23.72	40.0	\$ 24.67	\$ 986.75	65.00%	\$ 641.39	40.0	\$ 25.16	\$ 1,006.49	65.00%	\$ 654.22
3	125	5	Biological Technician (Crew Leader)	6	4	Rest of US	\$ 20.72	80.0	\$ 21.55	\$ 1,723.90	49.80%	\$ 858.50	80.0	\$ 21.98	\$ 1,758.38	49.80%	\$ 875.67
4	125	5	Biological Technician	5	1	Rest of US	\$ 16.90	80.0	\$ 17.58	\$ 1,406.08	45.60%	\$ 641.17	80.0	\$ 17.93	\$ 1,434.20	45.60%	\$ 654.00
5	125	5	Biological Technician (Crew Leader) OT	7	5	Rest of US	\$ 35.58	10.0	\$ 37.00	\$ 370.03	65.00%	\$ 240.52	10.0	\$ 37.74	\$ 377.43	65.00%	\$ 245.33
6	125	5	Biological Technician (Crew Leader) OT	6	4	Rest of US	\$ 31.08	10.0	\$ 32.32	\$ 323.23	49.80%	\$ 160.97	10.0	\$ 32.97	\$ 329.70	49.80%	\$ 164.19
7	125	5	Biological Technician OT	5	1	Rest of US	\$ 25.35	20.0	\$ 26.36	\$ 527.28	45.60%	\$ 240.44	20.0	\$ 26.89	\$ 537.83	45.60%	\$ 245.25
8								-	\$ -	\$ -	49.80%	\$ -	-	\$ -	\$ -	49.80%	\$ -
9								-	\$ -	\$ -	45.60%	\$ -	-	\$ -	\$ -	45.60%	\$ -
10							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
11							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
12							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
13							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
14							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
15							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
16							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
17							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
18							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
19							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
20							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
21							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
22							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
23							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
24							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
25							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
26							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
27							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
28							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
29							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
30							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
31							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
							280.00		\$ 7,036.22		\$ 3,657.95	280.00		\$ 7,176.95		\$ 3,731.11	

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Yr 5 Escalation Rate	2.00%
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							YEAR 5								
							10/1/2025		Through	9/30/2026		Total Salary Cost	Total Fringe Cost	Total Labor Cost	
Project Number	Task # or Description	Position Title	GS/WG Grade	GS/WG Step	OPM Pay Location	Current Hourly Rate	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost				
1	125	5	Deputy Project Leader	12	4	Rest of US	\$ 40.84	40.0	\$ 44.19	\$ 1,767.58	51.50%	\$ 910.30	\$ 5,199.45	\$ 2,677.72	\$ 7,877.16
2	125	5	Biological Technician (Crew Leader)	7	5	Rest of US	\$ 23.72	40.0	\$ 25.67	\$ 1,026.62	65.00%	\$ 667.30	\$ 3,019.86	\$ 1,962.91	\$ 4,982.76
3	125	5	Biological Technician (Crew Leader)	6	4	Rest of US	\$ 20.72	80.0	\$ 22.42	\$ 1,793.55	49.80%	\$ 893.19	\$ 5,275.84	\$ 2,627.37	\$ 7,903.20
4	125	5	Biological Technician	5	1	Rest of US	\$ 16.90	80.0	\$ 18.29	\$ 1,462.89	45.60%	\$ 667.08	\$ 4,303.17	\$ 1,962.24	\$ 6,265.41
5	125	5	Biological Technician (Crew Leader) OT	7	5	Rest of US	\$ 35.58	10.0	\$ 38.50	\$ 384.98	65.00%	\$ 250.24	\$ 1,132.45	\$ 736.09	\$ 1,868.54
6	125	5	Biological Technician (Crew Leader) OT	6	4	Rest of US	\$ 31.08	10.0	\$ 33.63	\$ 336.29	49.80%	\$ 167.47	\$ 989.22	\$ 492.63	\$ 1,481.85
7	125	5	Biological Technician OT	5	1	Rest of US	\$ 25.35	20.0	\$ 27.43	\$ 548.58	45.60%	\$ 250.15	\$ 1,613.69	\$ 735.84	\$ 2,349.53
8								-	\$ -	\$ -	49.80%	\$ -	\$ -	\$ -	\$ -
9								-	\$ -	\$ -	45.60%	\$ -	\$ -	\$ -	\$ -
10							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
11							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
12							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
13							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
14							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
15							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
16							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
17							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
18							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
19							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
20							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
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22							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
23							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
24							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
25							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
26							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
27							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
28							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
29							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
30							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
31							\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
							280.00		\$ 7,320.49		\$ 3,805.73	\$ 21,533.66	\$ 11,194.80	\$ 32,728.46	

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, AND SERVICES

Yr 2 Escalation Rate	0.00%
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	Project Number	Task # or Description	Item Description	Rationale for Proposed Cost	Year 1			Year 2		
					Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal
1	127	1 through 4	Miscellaneous Office Supplies	Amount funded in FY20 Agreement (R20PG00024): Please see year 3 in linked document	\$ 104.04	0	\$ -	\$ 104.04	0	\$ -
2	127	1	Miscellaneous Boating Supplies, Repairs, Maintenance	Amount funded in FY20 Agreement (R20PG00024): Please see year 3 in linked document	\$ 104.04	0	\$ -	\$ 104.04	0	\$ -
3	127	1	Boat Gas 91 Octane		\$ 3.12	0	\$ -	\$ 3.12	0	\$ -
4	127	1	GSA Lease of Equip Code 6359 (monthly lease)	http://www.gsa.gov/portal/category/21852	\$ 448.00	0	\$ -	\$ 448.00	0	\$ -
5	127	1	GSA Lease of Equip Code 6359 (mileage rate)	http://www.gsa.gov/portal/category/21852	\$ 0.40	0	\$ -	\$ 0.40	0	\$ -
6					\$ -	0	\$ -	\$ -	0	\$ -
7					\$ -	0	\$ -	\$ -	0	\$ -
8					\$ -	0	\$ -	\$ -	0	\$ -
9					\$ -	0	\$ -	\$ -	0	\$ -
10					\$ -	0	\$ -	\$ -	0	\$ -
11					\$ -	0	\$ -	\$ -	0	\$ -
12					\$ -	0	\$ -	\$ -	0	\$ -
13					\$ -	0	\$ -	\$ -	0	\$ -
14					\$ -	0	\$ -	\$ -	0	\$ -
15					\$ -	0	\$ -	\$ -	0	\$ -
16					\$ -	0	\$ -	\$ -	0	\$ -
17					\$ -	0	\$ -	\$ -	0	\$ -
18					\$ -	0	\$ -	\$ -	0	\$ -
19					\$ -	0	\$ -	\$ -	0	\$ -
20					\$ -	0	\$ -	\$ -	0	\$ -
21					\$ -	0	\$ -	\$ -	0	\$ -
22					\$ -	0	\$ -	\$ -	0	\$ -
23					\$ -	0	\$ -	\$ -	0	\$ -
24					\$ -	0	\$ -	\$ -	0	\$ -
25					\$ -	0	\$ -	\$ -	0	\$ -
26					\$ -	0	\$ -	\$ -	0	\$ -
27					\$ -	0	\$ -	\$ -	0	\$ -
TOTAL:					\$ -	0	\$ -	\$ -	0	\$ -

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPP	Yr 3 Escalation Rate	4.00%	Yr 4 Escalation Rate	2.00%
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	Project Number	Task # or Description	Item Description	Year 3			Year 4			
				Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal	
1	127	1 through 4	Miscellaneous Office Supplies	\$ 108.20	1	\$ 108.20	\$ 110.37	1	\$ 110.37	
2	127	1	Miscellaneous Boating Supplies, Repairs, Maintenance	\$ 108.20	1	\$ 108.20	\$ 110.37	1	\$ 110.37	
3	127	1	Boat Gas 91 Octane	\$ 3.25	400	\$ 1,298.42	\$ 3.31	400	\$ 1,324.39	
4	127	1	GSA Lease of Equip Code 6359 (monthly lease)	\$ 465.92	1	\$ 465.92	\$ 475.24	1	\$ 475.24	
5	127	1	GSA Lease of Equip Code 6359 (mileage rate)	\$ 0.42	1800	\$ 750.67	\$ 0.43	1800	\$ 765.69	
6				\$ -	0	\$ -	\$ -	0	\$ -	
7				\$ -	0	\$ -	\$ -	0	\$ -	
8				\$ -	0	\$ -	\$ -	0	\$ -	
9				\$ -	0	\$ -	\$ -	0	\$ -	
10				\$ -	0	\$ -	\$ -	0	\$ -	
11				\$ -	0	\$ -	\$ -	0	\$ -	
12				\$ -	0	\$ -	\$ -	0	\$ -	
13				\$ -	0	\$ -	\$ -	0	\$ -	
14				\$ -	0	\$ -	\$ -	0	\$ -	
15				\$ -	0	\$ -	\$ -	0	\$ -	
16				\$ -	0	\$ -	\$ -	0	\$ -	
17				\$ -	0	\$ -	\$ -	0	\$ -	
18				\$ -	0	\$ -	\$ -	0	\$ -	
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22				\$ -	0	\$ -	\$ -	0	\$ -	
23				\$ -	0	\$ -	\$ -	0	\$ -	
24				\$ -	0	\$ -	\$ -	0	\$ -	
25				\$ -	0	\$ -	\$ -	0	\$ -	
26				\$ -	0	\$ -	\$ -	0	\$ -	
27				\$ -	0	\$ -	\$ -	0	\$ -	
						\$ 2,731.41				\$ 2,786.06

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPP	Yr 5 Escalation Rate	2.00%
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	Project Number	Task # or Description	Item Description	Year 5			TOTAL
				Unit Price	Unit Quantity	Subtotal	
1	127	1 through 4	Miscellaneous Office Supplies	\$ 112.57	1	\$ 112.57	\$ 331.14
2	127	1	Miscellaneous Boating Supplies, Repairs, Maintenance	\$ 112.57	1	\$ 112.57	\$ 331.14
3	127	1	Boat Gas 91 Octane	\$ 3.38	400	\$ 1,350.88	\$ 3,973.69
4	127	1	GSA Lease of Equip Code 6359 (monthly lease)	\$ 484.74	1	\$ 484.74	\$ 1,425.90
5	127	1	GSA Lease of Equip Code 6359 (mileage rate)	\$ 0.43	1800	\$ 781.00	\$ 2,297.36
6				\$ -	0	\$ -	\$ -
7				\$ -	0	\$ -	\$ -
8				\$ -	0	\$ -	\$ -
9				\$ -	0	\$ -	\$ -
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12				\$ -	0	\$ -	\$ -
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24				\$ -	0	\$ -	\$ -
25				\$ -	0	\$ -	\$ -
26				\$ -	0	\$ -	\$ -
27				\$ -	0	\$ -	\$ -
						\$ 2,841.76	\$ 8,359.23

SUMMARY OF TRAVEL COSTS

Cost Element						TOTAL	
Trip #	1	1	1	1	1		
From-To			Grand Junction to Craig	Grand Junction to Craig	Grand Junction to Craig		
Reason			Hotel/Field Work	Hotel/Field Work	Hotel/Field Work		
# of Days (include travel days)			5	5	5		
Airfare							
Lodging (Per Night)	\$ 97.92	\$ 99.88	\$ 101.88	\$ 103.91	\$ 105.99		
MI&E Per Day	\$ 56.10	\$ 57.22	\$ 58.37	\$ 59.53	\$ 60.72		
Auto Rental Per Day							
Total Per Trip	\$ (97.92)	\$ (99.88)	\$ 699.34	\$ 713.32	\$ 727.59		
No. of persons			3	3	3		
No. of Trips			2	2	2		
SUBTOTAL =	\$ -	\$ -	\$ 4,196.02	\$ 4,279.94	\$ 4,365.54		\$ 12,841.49

	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
TOTAL COST BY PERIOD =	\$ -	\$ -	\$ 4,196.02	\$ 4,279.94	\$ 4,365.54	\$ 12,841.49

<Provide source of information relied on for Airfare estimate>

https://www.gsa.gov/travel/plan-book/per-diem-rates/per-diem-rates-lookup/?action=perdiems_report&state=CO&fiscal_year=2021&zip=&city=Craig

Name of Servicing Agency:	US Fish & Wildlife Service Green River Basin FWCO
Project Name:	Recovery Program Project 125: Middle Yampa smallmouth bass and northern pike removal

	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
	10/1/2021		10/1/2022		10/2/2023		10/1/2024		10/1/2025		
	Through		Through		Through		Through		Through		
Enter the BEGINNING dates for each year ----->	9/30/2022		10/1/2023		9/30/2024		9/30/2025		9/30/2026		
Enter the ENDING dates for each year ----->	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
DIRECT LABOR AND FRINGE BENEFIT COSTS:	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
Direct Labor - Hourly	\$	11,911.00	\$	11,918.56	\$	12,188.12	\$	12,622.25	\$	12,874.70	\$ 61,514.62
Fringe Benefits - Hourly	\$	4,844.03	\$	4,831.39	\$	4,937.37	\$	5,110.70	\$	5,212.91	\$ 24,936.40
Subtotal of Direct Labor & Fringe Benefits:	\$	16,755.03	\$	16,749.95	\$	17,125.49	\$	17,732.95	\$	18,087.61	\$ 86,451.02
OTHER DIRECT COSTS:	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
Materials and Supplies	\$	1,939.00	\$	1,939.00	\$	1,987.48	\$	2,047.10	\$	2,118.75	\$ 10,031.33
Travel Costs	\$	3,139.05	\$	3,177.45	\$	3,238.64	\$	3,301.05	\$	3,364.71	\$ 16,220.90
Equipment	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Contractors	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Subtotal of Other Direct Costs:	\$	5,078.05	\$	5,116.45	\$	5,226.12	\$	5,348.15	\$	5,483.46	\$ 26,252.23
INDIRECT/OVERHEAD COSTS:	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
Subtotal of Labor and Other Direct Costs:	\$	21,833.08	\$	21,866.40	\$	22,351.60	\$	23,081.10	\$	23,571.07	
Total dollars exempt from indirect/overhead base:	\$	-	\$	-	\$	-	\$	-	\$	-	
<Enter Description of Indirect/OH Cost #1>	3.00%	\$ 654.99	3.00%	\$ 655.99	3.00%	\$ 670.55	3.00%	\$ 692.43	3.00%	\$ 707.13	\$ 3,381.10
Total dollars exempt from indirect/overhead base:	\$	-	\$	-	\$	-	\$	-	\$	-	
<Enter Description of Indirect/OH Cost #2>	0.00%	\$ -	0.00%	\$ -	0.00%	\$ -	0.00%	\$ -	0.00%	\$ -	\$ -
Subtotal of Indirect/Overhead Costs:	\$	654.99	\$	655.99	\$	670.55	\$	692.43	\$	707.13	\$ 3,381.10
	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	TOTAL					
GRAND TOTAL:	\$	22,488.07	\$	22,522.39	\$	23,022.15	\$	23,773.54	\$	24,278.20	\$ 116,084.35

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Enter Escalation Rates ----->	Yr 2 Escalation Rate	0.00%
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Task # or Description	Position Title	GS/WG Grade	GS/WG Step	OPM Pay Location	Current Hourly Rate	YEAR 1					YEAR 2					
						10/1/2021		Through	9/30/2022		10/1/2022		Through	10/1/2023		
						# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	
1	5	Fish Biologist	GS 12	2	Rest of US	\$ 38.37	20.0	\$ 38.37	\$ 767.40	37.00%	\$ 283.94	20.0	\$ 39.60	\$ 792.00	37.00%	\$ 293.04
2	5	Fish Biologist	GS 11	1	Rest of US	\$ 30.98	80.0	\$ 30.98	\$ 2,478.40	30.00%	\$ 743.52	80.0	\$ 32.01	\$ 2,560.80	30.00%	\$ 768.24
3	5	Fisheries Technician	GS 8	10	Rest of US	\$ 30.14	171.0	\$ 30.14	\$ 5,153.94	52.00%	\$ 2,680.05	170.0	\$ 30.14	\$ 5,123.80	52.00%	\$ 2,664.38
4	5	Small Craft Operator	WG 5	2	Rest of US	\$ 19.11	60.0	\$ 19.11	\$ 1,146.60	29.00%	\$ 332.51	60.0	\$ 19.87	\$ 1,192.20	29.00%	\$ 345.74
5	5	Biological Science Technici	GS 6	1	Rest of US	\$ 18.84	60.0	\$ 18.84	\$ 1,130.40	29.00%	\$ 327.82	60.0	\$ 18.84	\$ 1,130.40	29.00%	\$ 327.82
6	5	Administrative Officer	GS 9	9	Rest of US	\$ 32.43	18.0	\$ 32.43	\$ 583.74	37.00%	\$ 215.98	16.0	\$ 32.43	\$ 518.88	37.00%	\$ 191.99
7	5	Project Leader	GS 13	5	Rest of US	\$ 50.04	13.0	\$ 50.04	\$ 650.52	40.00%	\$ 260.21	12.0	\$ 50.04	\$ 600.48	40.00%	\$ 240.19
8					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
9					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
10					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
11					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
12					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
13					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
14					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
15					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
16					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
17					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
18					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
19					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
20					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
21					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
22					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
23					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
24					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
25					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
26					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
27					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
28					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
29					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
30					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
31					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
						422.00		\$ 11,911.00		\$ 4,844.03	418.00		\$ 11,918.56		\$ 4,831.39	

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Yr 3 Escalation Rate 2.00%

Yr 4 Escalation Rate 2.00%

Task # or Description	Position Title	GS/WG Grade	GS/WG Step	OPM Pay Location	Current Hourly Rate	YEAR 3					YEAR 4					
						10/2/2023		Through	9/30/2024		10/1/2024		Through	9/30/2025		
						# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	
1	5	Fish Biologist	GS 12	2	Rest of US	\$ 38.37	20.0	\$ 40.84	\$ 807.84	37.00%	\$ 298.90	20.0	\$ 41.66	\$ 833.14	37.00%	\$ 308.26
2	5	Fish Biologist	GS 11	1	Rest of US	\$ 30.98	80.0	\$ 33.04	\$ 2,643.20	30.00%	\$ 792.96	80.0	\$ 34.08	\$ 2,726.40	30.00%	\$ 817.92
3	5	Fisheries Technician	GS 8	10	Rest of US	\$ 30.14	170.0	\$ 30.74	\$ 5,226.28	52.00%	\$ 2,717.66	171.0	\$ 31.36	\$ 5,362.16	52.00%	\$ 2,788.32
4	5	Small Craft Operator	WG 5	2	Rest of US	\$ 19.11	60.0	\$ 20.27	\$ 1,216.04	29.00%	\$ 352.65	60.0	\$ 20.67	\$ 1,240.36	29.00%	\$ 359.71
5	5	Biological Science Technici	GS 6	1	Rest of US	\$ 18.84	60.0	\$ 19.22	\$ 1,153.01	29.00%	\$ 334.37	60.0	\$ 19.60	\$ 1,176.07	29.00%	\$ 341.06
6	5	Administrative Officer	GS 9	9	Rest of US	\$ 32.43	16.0	\$ 33.08	\$ 529.26	37.00%	\$ 195.83	18.0	\$ 33.74	\$ 607.32	37.00%	\$ 224.71
7	5	Project Leader	GS 13	5	Rest of US	\$ 50.04	12.0	\$ 51.04	\$ 612.49	40.00%	\$ 245.00	13.0	\$ 52.06	\$ 676.80	40.00%	\$ 270.72
8					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
9					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
10					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
11					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
12					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
13					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
14					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
15					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
16					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
17					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
18					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
19					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
20					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
21					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
22					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
23					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
24					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
25					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
26					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
27					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
28					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
29					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
30					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
31					\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -	
						418.00	\$ 12,188.12	\$ 4,937.37		422.00	\$ 12,622.25	\$ 5,110.70				

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Yr 5 Escalation Rate	2.00%
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						YEAR 5					Total Salary Cost	Total Fringe Cost	Total Labor Cost	
						10/1/2025	Through	9/30/2026						
Task # or Description	Position Title	GS/WG Grade	GS/WG Step	OPM Pay Location	Current Hourly Rate	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost				
1	5	Fish Biologist	GS 12	2	Rest of US	\$ 38.37	20.0	\$ 42.49	\$ 849.80	37.00%	\$ 314.43	\$ 4,050.17	\$ 1,498.56	\$ 5,548.74
2	5	Fish Biologist	GS 11	1	Rest of US	\$ 30.98	80.0	\$ 34.76	\$ 2,780.93	30.00%	\$ 834.28	\$ 13,189.73	\$ 3,956.92	\$ 17,146.65
3	5	Fisheries Technician	GS 8	10	Rest of US	\$ 30.14	171.0	\$ 31.98	\$ 5,469.40	52.00%	\$ 2,844.09	\$ 26,335.58	\$ 13,694.50	\$ 40,030.08
4	5	Small Craft Operator	WG 5	2	Rest of US	\$ 19.11	60.0	\$ 21.09	\$ 1,265.17	29.00%	\$ 366.90	\$ 6,060.38	\$ 1,757.51	\$ 7,817.89
5	5	Biological Science Technici	GS 6	1	Rest of US	\$ 18.84	60.0	\$ 19.99	\$ 1,199.59	29.00%	\$ 347.88	\$ 5,789.47	\$ 1,678.95	\$ 7,468.41
6	5	Administrative Officer	GS 9	9	Rest of US	\$ 32.43	18.0	\$ 34.41	\$ 619.47	37.00%	\$ 229.20	\$ 2,858.67	\$ 1,057.71	\$ 3,916.38
7	5	Project Leader	GS 13	5	Rest of US	\$ 50.04	13.0	\$ 53.10	\$ 690.34	40.00%	\$ 276.13	\$ 3,230.63	\$ 1,292.25	\$ 4,522.88
8					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
9					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
10					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
11					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
12					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
13					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
14					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
15					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
16					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
17					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
18					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
19					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
20					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
21					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
22					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
23					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
24					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
25					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
26					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
27					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
28					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
29					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
30					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
31					\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -
							422.00		\$ 12,874.70		\$ 5,212.91	\$ 61,514.62	\$ 24,936.40	\$ 86,451.02

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, AND SERVICES

Yr 2 Escalation Rate 0.00%

	Task # or Description	Item Description	Rationale for Proposed Cost	Year 1			Year 2		
				Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal
1	5	GSA Lease of Equip Code 6352 (monthly lease)	http://www.gsa.gov/portal/category/21852	\$ 233.00	1	\$ 233.00	\$ 233.00	1	\$ 233.00
2	5	GSA Lease of Equip Code 6352 (mileage rate)	http://www.gsa.gov/portal/category/21852	\$ 0.33	2200	\$ 726.00	\$ 0.33	2200	\$ 726.00
3	5	Boat fuel (gal)	Please refer to Reclamation Agreement number R14AP00001	\$ 4.00	120	\$ 480.00	\$ 4.00	120	\$ 480.00
4	5	Boating gear repair/replacement	Please refer to Reclamation Agreement number R14AP00001	\$ 500.00	1	\$ 500.00	\$ 500.00	1	\$ 500.00
5				\$ -	0	\$ -	\$ -	0	\$ -
6				\$ -	0	\$ -	\$ -	0	\$ -
7				\$ -	0	\$ -	\$ -	0	\$ -
8				\$ -	0	\$ -	\$ -	0	\$ -
9				\$ -	0	\$ -	\$ -	0	\$ -
10				\$ -	0	\$ -	\$ -	0	\$ -
11				\$ -	0	\$ -	\$ -	0	\$ -
12				\$ -	0	\$ -	\$ -	0	\$ -
13				\$ -	0	\$ -	\$ -	0	\$ -
14				\$ -	0	\$ -	\$ -	0	\$ -
15				\$ -	0	\$ -	\$ -	0	\$ -
16				\$ -	0	\$ -	\$ -	0	\$ -
17				\$ -	0	\$ -	\$ -	0	\$ -
18				\$ -	0	\$ -	\$ -	0	\$ -
19				\$ -	0	\$ -	\$ -	0	\$ -
20				\$ -	0	\$ -	\$ -	0	\$ -
21				\$ -	0	\$ -	\$ -	0	\$ -
22				\$ -	0	\$ -	\$ -	0	\$ -
23				\$ -	0	\$ -	\$ -	0	\$ -
TOTAL:						\$ 1,939.00			\$ 1,939.00

SUMMARY OF MATERIALS AND SUPPLIES

	Yr 3 Escalation Rate	2.50%	Yr 4 Escalation Rate	3.00%
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SUMMARY OF MATERIALS, SUPPLIES, SERVICES

	Task # or Description	Item Description	Year 3			Year 4			
			Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal	
1	5	GSA Lease of Equip Code 6352 (monthly lease)	\$ 238.83	1	\$ 238.83	\$ 245.99	1	\$ 245.99	
2	5	GSA Lease of Equip Code 6352 (mileage rate)	\$ 0.34	2200	\$ 744.15	\$ 0.35	2200	\$ 766.47	
3	5	Boat fuel (gal)	\$ 4.10	120	\$ 492.00	\$ 4.22	120	\$ 506.76	
4	5	Boating gear repair/replacement	\$ 512.50	1	\$ 512.50	\$ 527.88	1	\$ 527.88	
5			\$ -	0	\$ -	\$ -	0	\$ -	
6			\$ -	0	\$ -	\$ -	0	\$ -	
7			\$ -	0	\$ -	\$ -	0	\$ -	
8			\$ -	0	\$ -	\$ -	0	\$ -	
9			\$ -	0	\$ -	\$ -	0	\$ -	
10			\$ -	0	\$ -	\$ -	0	\$ -	
11			\$ -	0	\$ -	\$ -	0	\$ -	
12			\$ -	0	\$ -	\$ -	0	\$ -	
13			\$ -	0	\$ -	\$ -	0	\$ -	
14			\$ -	0	\$ -	\$ -	0	\$ -	
15			\$ -	0	\$ -	\$ -	0	\$ -	
16			\$ -	0	\$ -	\$ -	0	\$ -	
17			\$ -	0	\$ -	\$ -	0	\$ -	
18			\$ -	0	\$ -	\$ -	0	\$ -	
19			\$ -	0	\$ -	\$ -	0	\$ -	
20			\$ -	0	\$ -	\$ -	0	\$ -	
21			\$ -	0	\$ -	\$ -	0	\$ -	
22			\$ -	0	\$ -	\$ -	0	\$ -	
23			\$ -	0	\$ -	\$ -	0	\$ -	
					\$ 1,987.48				\$ 2,047.10

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, AND SERVICES	Escalation Rate	3.50%
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	Task # or Description	Item Description	Year 5			TOTAL
			Unit Price	Unit Quantity	Subtotal	
1	5	GSA Lease of Equip Code 6352 (monthly lease)	\$ 254.60	1	\$ 254.60	\$ 1,205.42
2	5	GSA Lease of Equip Code 6352 (mileage rate)	\$ 0.36	2200	\$ 793.30	\$ 3,755.92
3	5	Boat fuel (gal)	\$ 4.37	120	\$ 524.50	\$ 2,483.26
4	5	Boating gear repair/replacement	\$ 546.35	1	\$ 546.35	\$ 2,586.73
5			\$ -	0	\$ -	\$ -
6			\$ -	0	\$ -	\$ -
7			\$ -	0	\$ -	\$ -
8			\$ -	0	\$ -	\$ -
9			\$ -	0	\$ -	\$ -
10			\$ -	0	\$ -	\$ -
11			\$ -	0	\$ -	\$ -
12			\$ -	0	\$ -	\$ -
13			\$ -	0	\$ -	\$ -
14			\$ -	0	\$ -	\$ -
15			\$ -	0	\$ -	\$ -
16			\$ -	0	\$ -	\$ -
17			\$ -	0	\$ -	\$ -
18			\$ -	0	\$ -	\$ -
19			\$ -	0	\$ -	\$ -
20			\$ -	0	\$ -	\$ -
21			\$ -	0	\$ -	\$ -
22			\$ -	0	\$ -	\$ -
23			\$ -	0	\$ -	\$ -
					\$ 2,118.75	\$ 10,031.33

SUMMARY OF TRAVEL COSTS

Cost Element	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
Trip #	1	1	1	1	1	
From-To	Vernal to Craig	Vernal to Craig	Vernal to Craig	Vernal to Craig	Vernal to Craig	
Reason	Field Work	Field Work	Field Work	Field Work	Field Work	
# of Days (include travel days)	10	10	10	10	10	
Airfare	\$ -	\$ -	\$ -	\$ -	\$ -	
Lodging (Per Night)	\$ 96.00	\$ 97.92	\$ 99.88	\$ 101.88	\$ 103.91	
MI&E Per Day	\$ 57.95	\$ 57.95	\$ 59.11	\$ 60.29	\$ 61.50	
Auto Rental Per Day	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Per Trip	\$ 1,569.53	\$ 1,588.73	\$ 1,619.32	\$ 1,650.53	\$ 1,682.36	
No. of persons	2	2	2	2	2	
SUBTOTAL =	\$ 3,139.05	\$ 3,177.45	\$ 3,238.64	\$ 3,301.05	\$ 3,364.71	\$ 16,220.90
	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
TOTAL COST BY PERIOD =	\$ 3,139.05	\$ 3,177.45	\$ 3,238.64	\$ 3,301.05	\$ 3,364.71	\$ 16,220.90