

UPPER COLORADO RIVER ENDANGERED FISH RECOVERY PROGRAM

FY 2022-23 SCOPE OF WORK

PROJECT: 123a

Project Title:

Nonnative fish control in the Green River, Dinosaur National Monument, and Desolation/Gray Canyons

Bureau of Reclamation Agreement Number:

R20PG00024 (USFWS)

R19AP00059 (UDWR)

Reclamation Agreement Term:

Oct. 1, 2019 – Sept. 30, 2024

Lead Agency:

USFWS Green River Basin FWCO

Principal Investigator:

Christian Smith, Fish Biologist and Katherine Lawry, Fish Biologist

U.S. Fish and Wildlife Service

Green River Basin Fish and Wildlife Conservation Office

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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:

III. Reduce impacts of nonnative fishes and sportfish management activities (nonnative and sportfish management).

III.A. Reduce negative impacts to endangered fishes from sportfish management activities.

III.A.4. Develop and implement control programs for nonnative fishes in river reaches occupied by the endangered fishes to identify required levels of control. Each control activity will be evaluated for effectiveness, and then continued as needed.

III.A.4.b.(3) Smallmouth bass in middle and lower Green River.

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GREEN RIVER ACTION PLAN: MAINSTEM

Study Background/Rationale and Hypotheses:

The Upper Colorado River Endangered Fish Recovery Program has determined that control of nonnative fishes in the upper Colorado River basin is essential to the recovery of the four endangered fish species: Colorado pikeminnow, razorback sucker, humpback chub, and bonytail. Smallmouth bass abundance increased dramatically in the Green River after 2000, and control efforts for this species commenced in 2004. This project consists of two components: **a)** remove smallmouth bass on the Green River in Dinosaur National Monument between Echo Park and Split Mountain. (RM 344.5-319.5) and **b)** remove smallmouth bass in Desolation/Gray Canyons (Green River RM 215.3-129.8).

An adaptive approach to smallmouth bass removal allows managers the flexibility to modify actions based on data and insights from the field. Long-term datasets allow managers to measure progress through time, assess what is and is not working, and allocate effort accordingly. Abundance estimates from mark-recapture data are useful, as they provide a quantitative foundation for assessing how the smallmouth bass population is responding to removal efforts. We propose to continue tagging Smallmouth bass in the Echo-Split reach in FY 2022-2023. Smallmouth bass will only be marked on one pass and will be removed on all subsequent passes. The marking pass will be timed strategically so that back-to-back removal passes will follow immediately. Strategic timing of the marking pass and first few removal passes will reduce the risk of violating statistical assumptions and increase accuracy of capture-recapture model abundance estimates. Accurate abundance estimates in the Echo-Split reach may serve as an anchor to reality for managers when considering future removal actions or evaluating the efficacy of those actions which have already been implemented.

Insights from the field prompted managers to reallocate removal efforts in Island Park and focus on targeting adult smallmouth bass as they spawn. Dry conditions and low river discharge in years 2012 and 2013 resulted in a large cohort of sub-adult fish in the Echo-Split reach. Crews noted higher abundances of age-0 bass in the Island Park area during these years, suggesting this may be a spawning reach. This was confirmed in 2016 by additional captures of large adults, young of year, and recently hatched bass on a nest. Passes through Island Park have since been conducted annually since 2014 to maximize removal during the spawning period. These removal passes have occurred every year except during the low water year of 2018 when UDWR Vernal could not access Island Park with john boats. Targeting smallmouth bass as they spawn is considered effective, as catch rates for adults in this focal reach have been higher during the spawn than for the rest of the season. However, abundance has not been quantitatively estimated for this reach. USFWS Vernal, UDWR Vernal, and UDWR Moab will continue targeted removal efforts during the spawning season in Island Park in FY 2022-2023.

Desolation/Gray Canyons

In 2008, two monitoring trips were completed to assess smallmouth abundance and distribution within Desolation/Gray Canyons. The 2008 assessment showed relative abundance remained low and that although distribution had spread downstream, 85% of bass captured were within the first 40 miles of the reach. This was similar to patterns seen in 2006. Intensive control efforts in this reach were deemed unnecessary at that time. Reports of increasing smallmouth bass captures in the upper most section of Desolation Canyon led to renewed sampling efforts in 2011 and 2012 which resulted in overall catch rates similar to previous years; however, bass were present further downstream compared to the 2004-2006 period. No sampling occurred in 2013 but two sampling trips were completed in 2014. The 2014 assessment showed a four-fold increase of overall catch rate of bass from approximately 4 fish/hour to

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16 fish/hour. While the catch rate of adult bass doubled the four-fold increase in overall catch rate was attributed to an increase of juvenile bass (TL=100-199 mm) captured. These juveniles were produced during the low water years of 2012 and 2013; in 2014 these cohorts were seen in large numbers in most reaches where bass removal was occurring. Not only did the abundance of bass increase during 2014 sampling, but the distribution of bass also expanded downstream to include the entire 80-mile reach, with large numbers of fish seen below the areas commonly occupied in earlier surveys. Targeted smallmouth bass surveys show that smallmouth continue to be found throughout the reach. However, catch rates from 2015 – 2020 have been much lower than 2014. Size structure data suggest that smallmouth bass recruitment has been limited since 2014 but indicate the continued presence of cohort(s) first identified in 2014. Crews will continue to remove bass and monitor this reach with one pass annually.

Study Goals, Objectives, End Product(s):

Goal: Control and monitor abundance of smallmouth bass and other nonnative fishes in the Green River between Echo Park and Split Mountain boat ramp, and Desolation and Gray Canyons.

Objectives:

1. Remove smallmouth bass and other nonnative fishes in the Green River from Echo Park (RM 344.5) to Split Mountain (RM 319.5) and in Desolation/Gray Canyons from Tabyago Riffle to Swasey's boat ramp (RM 207-129.8).
2. Monitor adult and juvenile smallmouth bass to determine extent of control needed in the Green River, including marking and recapturing bass in the Echo-Split reach.

End Products: Annual reports will provide the current year's data for: adult and juvenile total CPUE, CPUE by river mile and size class, monthly length frequency histograms, CPUE for other nonnative species, total catch numbers, and estimates of spawning periods and locations. Population abundances of smallmouth bass will be estimated using tag and recapture data from Echo-Split. Data from past years will be included for relevant metrics to provide background and demonstrate trends.

Study Area:

- a) Green River within Dinosaur National Monument from Echo Park to Split Mountain boat ramp (RM 344.5-319.5), June-September
- b) Desolation/Gray Canyons from Tabyago Riffle to Swasey's boat ramp (RM 207-129.8), *June-August*

Study Methods/Approach:

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,

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northern pike and walleye from over 600 miles of river. Screens have been installed on 5 of 7 major reservoir outlets to prevent escapement with 2 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. 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 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 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). Reservoir containment of walleye is the priority; in-river walleye recruitment has not been documented, so spawning disruption is not needed. Catches of walleye in the middle Green River over the past few years have declined from previous norms (Partlow and Elbin 2020), likely the result of eradication and containment of populations at Red Fleet and Starvation Reservoirs. These examples demonstrate that a two-tiered approach is generally successful at limiting populations of problematic predators.

This project focuses on in-river mechanical removal of smallmouth bass. As part of the project, we will include spawning disruption via focusing boat electrofishing at known spawning locations. In addition, we will remove individuals of smallmouth bass outside of the spawning period in order to reduce the population abundance. We will measure response to these efforts via CPUE, and abundance estimates.

Task Description, Deliverables and Schedule:

Task 1. Eight removal passes from Echo Park to Split Mountain boat ramp (USFWS GRBFWCO – Vernal; July-September).

Task 2. One marking and three removal passes from Echo Park to Split Mountain boat ramp (UDWR Moab; June - August).

Task 3. One removal pass in Desolation and Gray Canyons (UDWR Moab; June-August).

Task 4. Data entry, analysis, and annual reporting – October-December

Task	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1						X	X	X	X			
2						X	X	X				
3						X	X	X				
4										X	X	X

Budget Summary:

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FY Year	<i>UDWR-Moab</i>	<i>USFWS-Vernal</i>
2022	\$70,054	\$107,939
2023	\$70,054	\$108,846
2024	\$71,456	\$111,366
2025	\$72,885	\$126,290
2026	\$74,342	\$126,733
Total	\$358,791	\$581,174

Reviewers:

References:

Bestgen, K.R., K.A. Zelasko, T. Eyre, C. Smith, G.C. White, M.T. Jones. 2020. Abundance estimation following increased removal verifies declining trends of northern pike in the Yampa River, Colorado. Final report to the Upper Colorado River Endangered Fish Recovery Program. Denver Federal Center, Lakewood, Colorado. Department of Fish, Wildlife, and Conservation Biology, Colorado State University, Fort Collins. Larval Fish Laboratory Contribution 218.

Francis, T. 2020. Removal of Non-native fish in the Upper Colorado River between Grand Valley Water User’s Dam [Government Highline Diversion Dam] near Palisade, Colorado, and Potash, Utah. Projects #126a, 126b, and 123d. Annual Report to the Upper Colorado River Endangered Fish Recovery Program, Denver, Colorado.

Hawkins, J.A. 2020. Evaluation of Smallmouth Bass and Northern Pike management in the middle Yampa River. Project 125. Annual Report to the Upper Colorado River Endangered Fish Recovery Program, Denver, Colorado.

Partlow, M.S. and K.R. Elbin. 2020. Non-native fish control in the middle Green River. Projects #123b. Annual Report to the Upper Colorado River Endangered Fish Recovery Program, Denver, Colorado.

SUMMARY OF PROPOSED COSTS

Name of Servicing Agency:	US Fish & Wildlife Service Green River Basin FWCO
Project Name:	Recovery Program Project 123a: Nonnative fish control in the Green 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:	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
Direct Labor - Hourly	\$	63,758.94	\$	64,436.04	\$	65,980.34	\$	76,301.28	\$	76,301.28	\$ 346,777.88
Fringe Benefits - Hourly	\$	20,370.14	\$	20,576.54	\$	21,065.94	\$	24,811.86	\$	24,811.86	\$ 111,636.34
Subtotal of Direct Labor & Fringe Benefits:	\$	84,129.08	\$	85,012.58	\$	87,046.28	\$	101,113.14	\$	101,113.14	\$ 458,414.22
OTHER DIRECT COSTS:	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
Materials and Supplies	\$	9,169.04	\$	9,169.04	\$	9,352.42	\$	9,539.47	\$	9,730.27	\$ 46,960.24
Travel Costs	\$	4,102.71	\$	4,102.71	\$	4,184.76	\$	4,268.46	\$	4,353.83	\$ 21,012.46
Equipment	\$	3,099.99	\$	3,099.99	\$	3,161.99	\$	3,225.23	\$	3,289.73	\$ 15,876.93
Contractors	\$	4,440.00	\$	4,440.00	\$	4,528.80	\$	4,619.38	\$	4,711.76	\$ 22,739.94
Subtotal of Other Direct Costs:	\$	20,811.74	\$	20,811.74	\$	21,227.97	\$	21,652.53	\$	22,085.59	\$ 106,589.58
INDIRECT/OVERHEAD COSTS:	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
Subtotal of Labor and Other Direct Costs:	\$	104,940.82	\$	105,824.32	\$	108,274.25	\$	122,765.68	\$	123,198.74	
Total dollars exempt from indirect/overhead base:	\$	5,000.00	\$	5,100.00	\$	5,200.00	\$	5,300.00	\$	5,400.00	
<Enter Description of Indirect/OH Cost #1>	3.00%	\$ 2,998.22	3.00%	\$ 3,021.73	3.00%	\$ 3,092.23	3.00%	\$ 3,523.97	3.00%	\$ 3,533.96	\$ 16,170.11
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:	\$	2,998.22	\$	3,021.73	\$	3,092.23	\$	3,523.97	\$	3,533.96	\$ 16,170.11
GRAND TOTAL:	\$	107,939.04	\$	108,846.05	\$	111,366.48	\$	126,289.65	\$	126,732.70	\$ 581,173.91

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Enter Escalation Rates -----> Yr 2 Escalation Rate 0.00%

	Task # or Description	Federal Employee Name	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	1		Fish Biologist	GS 12	2	Rest of Units	\$ 38.37	19.0	\$ 38.37	\$ 729.03	37.00%	\$ 269.74	19.0	\$ 39.60	\$ 752.40	37.00%	\$ 278.39
2	1		Fish Biologist	GS 11	1	Rest of Units	\$ 30.98	306.0	\$ 30.98	\$ 9,479.88	30.00%	\$ 2,843.96	306.0	\$ 32.01	\$ 9,795.06	30.00%	\$ 2,938.52
3	1		Fisheries Technician	GS 8	10	Rest of Units	\$ 30.14	222.0	\$ 30.14	\$ 6,691.08	52.00%	\$ 3,479.36	222.0	\$ 30.14	\$ 6,691.08	52.00%	\$ 3,479.36
4	1		Biological Science Tec	GS 6	3	Rest of Units	\$ 20.09	320.0	\$ 20.09	\$ 6,428.80	29.00%	\$ 1,864.35	320.0	\$ 20.09	\$ 6,428.80	29.00%	\$ 1,864.35
5	1		Biological Science Tec	GS 6	3	Rest of Units	\$ 30.14	24.0	\$ 30.14	\$ 723.24	0.00%	\$ -	24.0	\$ 30.14	\$ 723.24	0.00%	\$ -
6	1		Biological Science Tec	GS 6	1	Rest of Units	\$ 18.84	320.0	\$ 18.84	\$ 6,028.80	29.00%	\$ 1,748.35	320.0	\$ 18.84	\$ 6,028.80	29.00%	\$ 1,748.35
7	1		Biological Science Tec	GS 6	1	Rest of Units	\$ 28.26	24.0	\$ 28.26	\$ 678.24	0.00%	\$ -	24.0	\$ 28.26	\$ 678.24	0.00%	\$ -
8	1		Small Craft Operator	WG 5	3	Rest of Units	\$ 19.87	320.0	\$ 19.87	\$ 6,358.40	29.00%	\$ 1,843.94	320.0	\$ 19.87	\$ 6,358.40	29.00%	\$ 1,843.94
9	1		Small Craft Operator C	WG 5	3	Rest of Units	\$ 29.81	24.0	\$ 29.81	\$ 715.32	0.00%	\$ -	24.0	\$ 29.81	\$ 715.32	0.00%	\$ -
10	1		Small Craft Operator	WG 5	2	Rest of Units	\$ 19.11	320.0	\$ 19.11	\$ 6,115.20	29.00%	\$ 1,773.41	320.0	\$ 19.11	\$ 6,115.20	29.00%	\$ 1,773.41
11	1		Small Craft Operator C	WG 5	2	Rest of Units	\$ 28.67	24.0	\$ 28.67	\$ 687.96	0.00%	\$ -	24.0	\$ 28.67	\$ 687.96	0.00%	\$ -
12	6		Fish Biologist	GS 12	2	Rest of Units	\$ 38.37	19.0	\$ 38.37	\$ 729.03	37.00%	\$ 269.74	19.0	\$ 39.60	\$ 752.40	37.00%	\$ 278.39
13	6		Fish Biologist	GS 11	1	Rest of Units	\$ 30.98	306.0	\$ 30.98	\$ 9,479.88	30.00%	\$ 2,843.96	306.0	\$ 32.01	\$ 9,795.06	30.00%	\$ 2,938.52
14	6		Administrative Officer	GS 9	9	Rest of Units	\$ 32.43	136.0	\$ 32.43	\$ 4,410.48	37.00%	\$ 1,631.88	136.0	\$ 32.43	\$ 4,410.48	37.00%	\$ 1,631.88
15	6		Project Leader	GS 13	5	Rest of Units	\$ 50.04	90.0	\$ 50.04	\$ 4,503.60	40.00%	\$ 1,801.44	90.0	\$ 50.04	\$ 4,503.60	40.00%	\$ 1,801.44
16							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
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31							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
								2,474.00		\$ 63,758.94		\$ 20,370.14	2,474.00		\$ 64,436.04		\$ 20,576.54

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Yr 3 Escalation Rate 2.00%

Yr 4 Escalation Rate 2.00%

	Task # or Description	Federal Employee Name	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	1		Fish Biologist	GS 12	2	Rest of Units	\$ 38.37	19.0	\$ 40.84	\$ 775.96	37.00%	\$ 287.11	56.0	\$ 41.66	\$ 2,332.78	37.00%	\$ 863.13
2	1		Fish Biologist	GS 11	1	Rest of Units	\$ 30.98	306.0	\$ 33.04	\$ 10,110.24	30.00%	\$3,033.07	324.0	\$ 34.08	\$ 11,041.92	30.00%	\$3,312.58
3	1		Fisheries Technician	GS 8	10	Rest of Units	\$ 30.14	222.0	\$ 30.74	\$ 6,824.90	52.00%	\$3,548.95	251.0	\$ 31.36	\$ 7,870.77	52.00%	\$4,092.80
4	1		Biological Science Tec	GS 6	3	Rest of Units	\$ 20.09	320.0	\$ 20.49	\$ 6,557.38	29.00%	\$1,901.64	326.0	\$ 20.90	\$ 6,813.93	29.00%	\$1,976.04
5	1		Biological Science Tec	GS 6	3	Rest of Units	\$ 30.14	24.0	\$ 30.74	\$ 737.70	0.00%	\$ -	25.0	\$ 31.35	\$ 783.81	0.00%	\$ -
6	1		Biological Science Tec	GS 6	1	Rest of Units	\$ 18.84	320.0	\$ 19.22	\$ 6,149.38	29.00%	\$1,783.32	326.0	\$ 19.60	\$ 6,389.97	29.00%	\$1,853.09
7	1		Biological Science Tec	GS 6	1	Rest of Units	\$ 28.26	24.0	\$ 28.83	\$ 691.80	0.00%	\$ -	25.0	\$ 29.40	\$ 735.04	0.00%	\$ -
8	1		Small Craft Operator	WG 5	3	Rest of Units	\$ 19.87	320.0	\$ 20.27	\$ 6,485.57	29.00%	\$1,880.81	326.0	\$ 20.67	\$ 6,739.32	29.00%	\$1,954.40
9	1		Small Craft Operator C	WG 5	3	Rest of Units	\$ 29.81	24.0	\$ 30.40	\$ 729.63	0.00%	\$ -	25.0	\$ 31.01	\$ 775.23	0.00%	\$ -
10	1		Small Craft Operator	WG 5	2	Rest of Units	\$ 19.11	320.0	\$ 19.49	\$ 6,237.50	29.00%	\$1,808.88	326.0	\$ 19.88	\$ 6,481.55	29.00%	\$1,879.65
11	1		Small Craft Operator C	WG 5	2	Rest of Units	\$ 28.67	24.0	\$ 29.24	\$ 701.72	0.00%	\$ -	25.0	\$ 29.82	\$ 745.58	0.00%	\$ -
12	6		Fish Biologist	GS 12	2	Rest of Units	\$ 38.37	19.0	\$ 40.84	\$ 775.96	37.00%	\$ 287.11	56.0	\$ 41.66	\$ 2,332.96	37.00%	\$ 863.20
13	6		Fish Biologist	GS 11	1	Rest of Units	\$ 30.98	306.0	\$ 33.04	\$ 10,110.24	30.00%	\$3,033.07	324.0	\$ 34.08	\$ 11,041.92	30.00%	\$3,312.58
14	6		Administrative Officer	GS 9	9	Rest of Units	\$ 32.43	136.0	\$ 33.08	\$ 4,498.69	37.00%	\$1,664.52	180.0	\$ 33.74	\$ 6,073.23	37.00%	\$2,247.10
15	6		Project Leader	GS 13	5	Rest of Units	\$ 50.04	90.0	\$ 51.04	\$ 4,593.67	40.00%	\$1,837.47	118.0	\$ 52.06	\$ 6,143.27	40.00%	\$2,457.31
16							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
17							\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
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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%	\$ -
								2,474.00		\$ 65,980.34		\$ 21,065.94	2,713.00		\$ 76,301.28		\$ 24,811.86

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				
Task # or Description	Federal Employee Name	Position Title	GS/WG Grade	GS/WG Step	OPM Pay Location	Current Hourly Rate	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	Total Salary Cost	Total Fringe Cost	Total Labor Cost
1	1	Fish Biologist	GS 12	2	Rest of Units	\$ 38.37	56.0	\$ 41.66	\$ 2,332.78	37.00%	\$ 863.13	\$ 6,922.95	\$ 2,561.49	\$ 9,484.44
2	1	Fish Biologist	GS 11	1	Rest of Units	\$ 30.98	324.0	\$ 34.08	\$ 11,041.92	30.00%	\$ 3,312.58	\$ 51,469.02	\$ 15,440.71	\$ 66,909.73
3	1	Fisheries Technician	GS 8	10	Rest of Units	\$ 30.14	251.0	\$ 31.36	\$ 7,870.77	52.00%	\$ 4,092.80	\$ 35,948.60	\$ 18,693.27	\$ 54,641.88
4	1	Biological Science Tec	GS 6	3	Rest of Units	\$ 20.09	326.0	\$ 20.90	\$ 6,813.93	29.00%	\$ 1,976.04	\$ 33,042.84	\$ 9,582.42	\$ 42,625.27
5	1	Biological Science Tec	GS 6	3	Rest of Units	\$ 30.14	25.0	\$ 31.35	\$ 783.81	0.00%	\$ -	\$ 3,751.81	\$ -	\$ 3,751.81
6	1	Biological Science Tec	GS 6	1	Rest of Units	\$ 18.84	326.0	\$ 19.60	\$ 6,389.97	29.00%	\$ 1,853.09	\$ 30,986.92	\$ 8,986.21	\$ 39,973.12
7	1	Biological Science Tec	GS 6	1	Rest of Units	\$ 28.26	25.0	\$ 29.40	\$ 735.04	0.00%	\$ -	\$ 3,518.37	\$ -	\$ 3,518.37
8	1	Small Craft Operator	WG 5	3	Rest of Units	\$ 19.87	326.0	\$ 20.67	\$ 6,739.32	29.00%	\$ 1,954.40	\$ 32,681.00	\$ 9,477.49	\$ 42,158.49
9	1	Small Craft Operator C	WG 5	3	Rest of Units	\$ 29.81	25.0	\$ 31.01	\$ 775.23	0.00%	\$ -	\$ 3,710.72	\$ -	\$ 3,710.72
10	1	Small Craft Operator	WG 5	2	Rest of Units	\$ 19.11	326.0	\$ 19.88	\$ 6,481.55	29.00%	\$ 1,879.65	\$ 31,431.00	\$ 9,114.99	\$ 40,545.99
11	1	Small Craft Operator C	WG 5	2	Rest of Units	\$ 28.67	25.0	\$ 29.82	\$ 745.58	0.00%	\$ -	\$ 3,568.79	\$ -	\$ 3,568.79
12	6	Fish Biologist	GS 12	2	Rest of Units	\$ 38.37	56.0	\$ 41.66	\$ 2,332.96	37.00%	\$ 863.20	\$ 6,923.31	\$ 2,561.62	\$ 9,484.93
13	6	Fish Biologist	GS 11	1	Rest of Units	\$ 30.98	324.0	\$ 34.08	\$ 11,041.92	30.00%	\$ 3,312.58	\$ 51,469.02	\$ 15,440.71	\$ 66,909.73
14	6	Administrative Officer	GS 9	9	Rest of Units	\$ 32.43	180.0	\$ 33.74	\$ 6,073.23	37.00%	\$ 2,247.10	\$ 25,466.11	\$ 9,422.46	\$ 34,888.57
15	6	Project Leader	GS 13	5	Rest of Units	\$ 50.04	118.0	\$ 52.06	\$ 6,143.27	40.00%	\$ 2,457.31	\$ 25,887.41	\$ 10,354.97	\$ 36,242.38
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%	\$ -	\$ -	\$ -	\$ -
							2,713.00		\$ 76,301.28		\$ 24,811.86	\$ 346,777.88	\$ 111,636.34	\$ 458,414.22

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, AND SERVICES

Yr 2 Escalation Rate	0.00%
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	Task # or Description	Item Description	Rationale for Proposed Cost	Year 1			Year 2		
				Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal
1	1	GSA Lease of Equip Code 6352 (monthly lease)	http://www.gsa.gov/portal/category/21852	\$ 233.00	12	\$ 2,796.00	\$ 233.00	12	\$ 2,796.00
2	1	GSA Lease of Equip Code 6352 (mileage rate)	http://www.gsa.gov/portal/category/21852	\$ 0.33	2800	\$ 924.00	\$ 0.33	2800	\$ 924.00
3	1	GSA Lease of Equip Code 6351 (monthly lease)	http://www.gsa.gov/portal/category/21852	\$ 224.00	6	\$ 1,344.00	\$ 224.00	6	\$ 1,344.00
4	1	GSA Lease of Equip Code 6351 (mileage rate)	http://www.gsa.gov/portal/category/21852	\$ 0.31	1400	\$ 434.00	\$ 0.31	1400	\$ 434.00
5	1	Sampling gear repair/replacment	Based on previous experience and SOW's	\$ 1,000.00	1	\$ 1,000.00	\$ 1,000.00	1	\$ 1,000.00
6	1	Boating gear repair/replacement	Based on previous experience and SOW's	\$ 1,000.00	1	\$ 1,000.00	\$ 1,000.00	1	\$ 1,000.00
7	1	Camping gear repair replacement	Based on previous experience and SOW's	\$ 1,000.00	1	\$ 1,000.00	\$ 1,000.00	1	\$ 1,000.00
8	1	Boat fuel (gal)	Based on previous experience and SOW's	\$ 4.00	144	\$ 576.00	\$ 4.00	144	\$ 576.00
9	1	GSA Lease of Equip Code 6352 (mileage rate)	http://www.gsa.gov/portal/category/21852	\$ 0.33	288	\$ 95.04	\$ 0.33	288	\$ 95.04
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:						\$ 9,169.04			\$ 9,169.04

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, SERVICES	Yr 3 Escalation Rate	2.00%	Yr 4 Escalation Rate	2.00%
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	Task # or Description	Item Description	Year 3			Year 4		
			Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal
1	1	GSA Lease of Equip Code 6352 (monthly lease)	\$ 237.66	12	\$ 2,851.92	\$ 242.41	12	\$ 2,908.96
2	1	GSA Lease of Equip Code 6352 (mileage rate)	\$ 0.34	2800	\$ 942.48	\$ 0.34	2800	\$ 961.33
3	1	GSA Lease of Equip Code 6351 (monthly lease)	\$ 228.48	6	\$ 1,370.88	\$ 233.05	6	\$ 1,398.30
4	1	GSA Lease of Equip Code 6351 (mileage rate)	\$ 0.32	1400	\$ 442.68	\$ 0.32	1400	\$ 451.53
5	1	Sampling gear repair/replacment	\$ 1,020.00	1	\$ 1,020.00	\$ 1,040.40	1	\$ 1,040.40
6	1	Boating gear repair/replacement	\$ 1,020.00	1	\$ 1,020.00	\$ 1,040.40	1	\$ 1,040.40
7	1	Camping gear repair replacement	\$ 1,020.00	1	\$ 1,020.00	\$ 1,040.40	1	\$ 1,040.40
8	1	Boat fuel (gal)	\$ 4.08	144	\$ 587.52	\$ 4.16	144	\$ 599.27
9	1	GSA Lease of Equip Code 6352 (mileage rate)	\$ 0.34	288	\$ 96.94	\$ 0.34	288	\$ 98.88
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	\$ -
					\$ 9,352.42			\$ 9,539.47

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, SERVICES	Yr 5 Escalation Rate	2.00%
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			Year 5			
	Task # or Description	Item Description	Unit Price	Unit Quantity	Subtotal	TOTAL
1	1	GSA Lease of Equip Code 6352 (monthly lease)	\$ 247.26	12	\$ 2,967.14	\$ 14,320.02
2	1	GSA Lease of Equip Code 6352 (mileage rate)	\$ 0.35	2800	\$ 980.56	\$ 4,732.37
3	1	GSA Lease of Equip Code 6351 (monthly lease)	\$ 237.71	6	\$ 1,426.26	\$ 6,883.44
4	1	GSA Lease of Equip Code 6351 (mileage rate)	\$ 0.33	1400	\$ 460.56	\$ 2,222.77
5	1	Sampling gear repair/replacment	\$ 1,061.21	1	\$ 1,061.21	\$ 5,121.61
6	1	Boating gear repair/replacement	\$ 1,061.21	1	\$ 1,061.21	\$ 5,121.61
7	1	Camping gear repair replacement	\$ 1,061.21	1	\$ 1,061.21	\$ 5,121.61
8	1	Boat fuel (gal)	\$ 4.24	144	\$ 611.26	\$ 2,950.05
9	1	GSA Lease of Equip Code 6352 (mileage rate)	\$ 0.35	288	\$ 100.86	\$ 486.76
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	\$ -	\$ -
					\$ 9,730.27	\$ 46,960.24

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 Echo Park	Vernal to Echo Park	Vernal to Echo Park	Vernal to Echo Park	Vernal to Echo Park	
Reason	Field work	Field work	Field work	Field work	Field work	
# of Days (include travel days)	24	24	24	24	24	
Airfare	\$ -	\$ -	\$ -	\$ -	\$ -	
Lodging (Per Night)	\$ -	\$ -	\$ -	\$ -	\$ -	
MI&E Per Day	\$ 34.92	\$ 34.92	\$ 35.62	\$ 36.33	\$ 37.05	
Auto Rental Per Day	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Per Trip	\$ 820.54	\$ 820.54	\$ 836.95	\$ 853.69	\$ 870.77	
No. of persons	5	5	5	5	5	
SUBTOTAL =	\$ 4,102.71	\$ 4,102.71	\$ 4,184.76	\$ 4,268.46	\$ 4,353.83	\$ 21,012.46

	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
TOTAL COST BY PERIOD =	\$ 4,102.71	\$ 4,102.71	\$ 4,184.76	\$ 4,268.46	\$ 4,353.83	\$ 21,012.46

GSA locality for Per Diem used for Lodging and MI&E: Moffat County, CO. 2021 Camp Per Diem is \$25.00/day + \$5/day for incidentals + one Concur voucher (\$14.75) per day. These formulas do not work for camp rate, which is a flat (not 75% the first and last day) rate, hence the difference in B10:F10 vs the breakdown described in I10

SUMMARY OF EQUIPMENT COSTS

SUMMARY OF EQUIPMENT

Enter Escalation Rates ----->

Yr 2 Escalation Rate		Yr 3 Escalation Rate	2.00%
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	Task # or Description	Item Description	Rationale for Proposed Cost	Year 1			Year 2			Year 3		
				Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal
1	1	Honda 9.9 hp outboard engine	https://www.sportsmans.com/boats-kayaks-canoes-boating-supplies/motors-accessories/motors/honda-portable-outboard-99hp-boat-gas-motor/p/1412417	\$ 3,099.99	1	\$ 3,099.99	\$ 3,099.99	1	\$ 3,099.99	\$ 3,161.99	1	\$ 3,161.99
2				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
3				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
4				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
5				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
6				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
7				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
8				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
9				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
10				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
11				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
12				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
13				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
14				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
15				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
16				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
17				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
18				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
19				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
20				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
21				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
22				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
23				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
24				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
25				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
26				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
27				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
28				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
29				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
30				\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -
TOTAL:						\$ 3,099.99			\$ 3,099.99			\$ 3,161.99

SUMMARY OF EQUIPMENT COSTS

SUMMARY OF EQ	Yr 4 Escalation Rate	2.00%	Yr 5 Escalation Rate	2.00%
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	Task # or Description	Item Description	Year 4			Year 5			TOTAL	
			Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal		
1	1	Honda 9.9 hp outboard engine	\$ 3,225.23	1	\$ 3,225.23	\$ 3,289.73	1	\$ 3,289.73	\$ 15,876.93	
2			\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
3			\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
4			\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
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	\$ -	\$ -	
24			\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
25			\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
26			\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
27			\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
28			\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
29			\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
30			\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
					\$ 3,225.23				\$ 3,289.73	\$ 15,876.93

SUMMARY OF CONTRACTOR COSTS

	Contractor:	Contractor Website:	Purpose:	Competitive Award?	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
1	River Runners Transport	http://www.riverrunnerstransport.com	Vehicle shuttles: Echo Park to Split Mountain	No	\$ 4,440.00	\$ 4,440.00	\$ 4,528.80	\$ 4,619.38	\$ 4,711.76	\$ 22,739.94
2					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	TOTAL =				\$ 4,440.00	\$ 4,440.00	\$ 4,528.80	\$ 4,619.38	\$ 4,711.76	\$ 22,739.94

RRT is the only shuttle company located in Vernal, Utah.

SUMMARY OF PROPOSED COSTS

Name of Servicing Agency:	Utah Division of Wildlife Resources
Project Name:	Project 123a Nonnative fish control in the Green 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	\$	35,736.71	\$	35,736.71	\$	36,451.44	\$	37,180.47	\$	37,924.08	\$ 183,029.42
Fringe Benefits - Hourly	\$	13,227.74	\$	13,227.74	\$	13,492.29	\$	13,762.14	\$	14,037.38	\$ 67,747.28
Subtotal of Direct Labor & Fringe Benefits:	\$	48,964.45	\$	48,964.45	\$	49,943.73	\$	50,942.61	\$	51,961.46	\$ 250,776.70
OTHER DIRECT COSTS:	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
Materials and Supplies	\$	16,050.00	\$	16,050.00	\$	16,371.00	\$	16,698.42	\$	17,032.37	\$ 82,201.79
Travel Costs	\$	5,040.00	\$	5,040.00	\$	5,140.80	\$	5,243.62	\$	5,348.49	\$ 25,812.90
Equipment	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Contractors	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
Subtotal of Other Direct Costs:	\$	21,090.00	\$	21,090.00	\$	21,511.80	\$	21,942.04	\$	22,380.86	\$ 108,014.69
INDIRECT/OVERHEAD COSTS:	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
Subtotal of Labor and Other Direct Costs:	\$	70,054.45	\$	70,054.45	\$	71,455.53	\$	72,884.65	\$	74,342.32	
Total dollars exempt from indirect/overhead base:	\$	70,054.45	\$	70,054.45	\$	71,455.53	\$	72,884.65	\$	74,342.32	
<Enter Description of Indirect/OH Cost #1>	0.00%	\$ -	0.00%	\$ -	0.00%	\$ -	0.00%	\$ -	0.00%	\$ -	\$ -
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:	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
GRAND TOTAL:	\$	70,054.45	\$	70,054.45	\$	71,455.53	\$	72,884.65	\$	74,342.32	\$ 358,791.39

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Enter Escalation Rates ----->	Yr 2 Escalation Rate	0.00%
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	Task # or Description	Position Title	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	2	Project Leader (1)	\$ 27.66	80.0	\$ 27.66	\$ 2,212.44	48.00%	\$ 1,061.97	80.0	\$ 27.66	\$ 2,212.44	48.00%	\$ 1,061.97
2	2	Biologist (4)	\$ 22.91	240.0	\$ 22.91	\$ 5,497.73	68.00%	\$ 3,738.46	240.0	\$ 22.91	\$ 5,497.73	68.00%	\$ 3,738.46
3	2	Technician(s) (12)	\$ 16.36	680.0	\$ 16.36	\$ 11,124.80	8.77%	\$ 975.64	680.0	\$ 16.36	\$ 11,124.80	8.77%	\$ 975.64
4	3	Project Leader (1)	\$ 27.66	20.0	\$ 27.66	\$ 553.11	48.00%	\$ 265.49	20.0	\$ 27.66	\$ 553.11	48.00%	\$ 265.49
5	3	Biologist (4)	\$ 22.91	160.0	\$ 22.91	\$ 3,665.15	68.00%	\$ 2,492.30	160.0	\$ 22.91	\$ 3,665.15	68.00%	\$ 2,492.30
6	3	Technician(s) (12)	\$ 16.36	320.0	\$ 16.36	\$ 5,235.20	8.77%	\$ 459.13	320.0	\$ 16.36	\$ 5,235.20	8.77%	\$ 459.13
7	6	Project Leader (1)	\$ 27.66	80.0	\$ 27.66	\$ 2,212.44	48.00%	\$ 1,061.97	80.0	\$ 27.66	\$ 2,212.44	48.00%	\$ 1,061.97
8	6	Biologist (4)	\$ 22.91	200.0	\$ 22.91	\$ 4,581.44	68.00%	\$ 3,115.38	200.0	\$ 22.91	\$ 4,581.44	68.00%	\$ 3,115.38
9	6	Technician(s) (12)	\$ 16.36	40.0	\$ 16.36	\$ 654.40	8.77%	\$ 57.39	40.0	\$ 16.36	\$ 654.40	8.77%	\$ 57.39
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%	\$ -
				1,820.00		\$ 35,736.71		\$ 13,227.74	1,820.00		\$ 35,736.71		\$ 13,227.74

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Yr 3 Escalation Rate 2.00%

Yr 4 Escalation Rate 2.00%

Task # or Description	Position Title	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	2	Project Leader (1)	\$ 27.66	80.0	\$ 28.21	\$ 2,256.69	48.00%	\$ 1,083.21	80.0	\$ 28.77	\$ 2,301.82	48.00%	\$ 1,104.87
2	2	Biologist (4)	\$ 22.91	240.0	\$ 23.37	\$ 5,607.68	68.00%	\$ 3,813.22	240.0	\$ 23.83	\$ 5,719.84	68.00%	\$ 3,889.49
3	2	Technician(s) (12)	\$ 16.36	680.0	\$ 16.69	\$ 11,347.30	8.77%	\$ 995.16	680.0	\$ 17.02	\$ 11,574.24	8.77%	\$ 1,015.06
4	3	Project Leader (1)	\$ 27.66	20.0	\$ 28.21	\$ 564.17	48.00%	\$ 270.80	20.0	\$ 28.77	\$ 575.46	48.00%	\$ 276.22
5	3	Biologist (4)	\$ 22.91	160.0	\$ 23.37	\$ 3,738.46	68.00%	\$ 2,542.15	160.0	\$ 23.83	\$ 3,813.22	68.00%	\$ 2,592.99
6	3	Technician(s) (12)	\$ 16.36	320.0	\$ 16.69	\$ 5,339.90	8.77%	\$ 468.31	320.0	\$ 17.02	\$ 5,446.70	8.77%	\$ 477.68
7	6	Project Leader (1)	\$ 27.66	80.0	\$ 28.21	\$ 2,256.69	48.00%	\$ 1,083.21	80.0	\$ 28.77	\$ 2,301.82	48.00%	\$ 1,104.87
8	6	Biologist (4)	\$ 22.91	200.0	\$ 23.37	\$ 4,673.07	68.00%	\$ 3,177.69	200.0	\$ 23.83	\$ 4,766.53	68.00%	\$ 3,241.24
9	6	Technician(s) (12)	\$ 16.36	40.0	\$ 16.69	\$ 667.49	8.77%	\$ 58.54	40.0	\$ 17.02	\$ 680.84	8.77%	\$ 59.71
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%	\$ -
				1,820.00		\$ 36,451.44		\$ 13,492.29	1,820.00		\$ 37,180.47		\$ 13,762.14

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
Task # or Description	Position Title	Current Hourly Rate	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost				
1	2	Project Leader (1)	\$ 27.66	80.0	\$ 29.35	\$ 2,347.86	48.00%	\$ 1,126.97	\$ 11,331.25	\$ 5,439.00	\$ 16,770.25
2	2	Biologist (4)	\$ 22.91	240.0	\$ 24.31	\$ 5,834.23	68.00%	\$ 3,967.28	\$ 28,157.21	\$ 19,146.90	\$ 47,304.11
3	2	Technician(s) (12)	\$ 16.36	680.0	\$ 17.36	\$ 11,805.73	8.77%	\$ 1,035.36	\$ 56,976.86	\$ 4,996.87	\$ 61,973.74
4	3	Project Leader (1)	\$ 27.66	20.0	\$ 29.35	\$ 586.96	48.00%	\$ 281.74	\$ 2,832.81	\$ 1,359.75	\$ 4,192.56
5	3	Biologist (4)	\$ 22.91	160.0	\$ 24.31	\$ 3,889.49	68.00%	\$ 2,644.85	\$ 18,771.47	\$ 12,764.60	\$ 31,536.07
6	3	Technician(s) (12)	\$ 16.36	320.0	\$ 17.36	\$ 5,555.64	8.77%	\$ 487.23	\$ 26,812.64	\$ 2,351.47	\$ 29,164.11
7	6	Project Leader (1)	\$ 27.66	80.0	\$ 29.35	\$ 2,347.86	48.00%	\$ 1,126.97	\$ 11,331.25	\$ 5,439.00	\$ 16,770.25
8	6	Biologist (4)	\$ 22.91	200.0	\$ 24.31	\$ 4,861.86	68.00%	\$ 3,306.07	\$ 23,464.34	\$ 15,955.75	\$ 39,420.09
9	6	Technician(s) (12)	\$ 16.36	40.0	\$ 17.36	\$ 694.45	8.77%	\$ 60.90	\$ 3,351.58	\$ 293.93	\$ 3,645.51
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%	\$ -	\$ -	\$ -	\$ -
				1,820.00		\$ 37,924.08		\$ 14,037.38	\$ 183,029.42	\$ 67,747.28	\$ 250,776.70

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, AND SERVICE

Yr 2 Escalation Rate	0.00%
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	Task # or Description	Item Description	Rationale for Proposed Cost	Year 1			Year 2		
				Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal
1	2	Monthly fleet rental (3 trucks, 2 months)	Based on previous experience & SOWs	\$ 500.00	6.00	\$ 3,000.00	\$ 500.00	6.00	\$ 3,000.00
2	2	Mileage costs (4500 miles)	Based on previous experience & SOWs	\$ 0.40	4500.00	\$ 1,800.00	\$ 0.40	4500.00	\$ 1,800.00
3	2	Shuttle costs (6)	Based on previous experience & SOWs	\$ 200.00	6.00	\$ 1,200.00	\$ 200.00	6.00	\$ 1,200.00
4	2	Camping materials and gear	Based on previous experience & SOWs	\$ 1,000.00	1.00	\$ 1,000.00	\$ 1,000.00	1.00	\$ 1,000.00
5	2	Sampling materials and gear	Based on previous experience & SOWs	\$ 1,000.00	1.50	\$ 1,500.00	\$ 1,000.00	1.50	\$ 1,500.00
6	2	Boating materials, gear and fuel	Based on previous experience & SOWs	\$ 1,000.00	2.00	\$ 2,000.00	\$ 1,000.00	2.00	\$ 2,000.00
7	3	Monthly fleet rental (3 trucks, 1 month)	Based on previous experience & SOWs	\$ 500.00	3.00	\$ 1,500.00	\$ 500.00	3.00	\$ 1,500.00
8	3	Mileage costs (1500 miles)	Based on previous experience & SOWs	\$ 0.40	1500.00	\$ 600.00	\$ 0.40	1500.00	\$ 600.00
9	3	Shuttle costs (3)	Based on previous experience & SOWs	\$ 200.00	3.00	\$ 600.00	\$ 200.00	3.00	\$ 600.00
10	3	Camping materials and gear	Based on previous experience & SOWs	\$ 1,000.00	0.50	\$ 500.00	\$ 1,000.00	0.50	\$ 500.00
11	3	Sampling materials and gear	Based on previous experience & SOWs	\$ 1,000.00	0.75	\$ 750.00	\$ 1,000.00	0.75	\$ 750.00
12	3	Boating materials, gear and fuel	Based on previous experience & SOWs	\$ 1,000.00	1.00	\$ 1,000.00	\$ 1,000.00	1.00	\$ 1,000.00
13	6	Monthly fleet rental (1 truck, 1 month)	Based on previous experience & SOWs	\$ 500.00	1.00	\$ 500.00	\$ 500.00	1.00	\$ 500.00
14	6	Mileage costs (250 miles)	Based on previous experience & SOWs	\$ 0.40	250.00	\$ 100.00	\$ 0.40	250.00	\$ 100.00
15				\$ -	0	\$ -	\$ -	0	\$ -
16				\$ -	0	\$ -	\$ -	0	\$ -
17				\$ -	0	\$ -	\$ -	0	\$ -
18				\$ -	0	\$ -	\$ -	0	\$ -
TOTAL:						\$ 16,050.00			\$ 16,050.00

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, SERVICES	Yr 3 Escalation Rate	2.00%	Yr 4 Escalation Rate	2.00%
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	Task # or Description	Item Description	Year 3			Year 4		
			Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal
1	2	Monthly fleet rental (3 trucks, 2 months)	\$ 510.00	6.00	\$ 3,060.00	\$ 520.20	6.00	\$ 3,121.20
2	2	Mileage costs (4500 miles)	\$ 0.41	4500.00	\$ 1,836.00	\$ 0.42	4500.00	\$ 1,872.72
3	2	Shuttle costs (6)	\$ 204.00	6.00	\$ 1,224.00	\$ 208.08	6.00	\$ 1,248.48
4	2	Camping materials and gear	\$ 1,020.00	1.00	\$ 1,020.00	\$ 1,040.40	1.00	\$ 1,040.40
5	2	Sampling materials and gear	\$ 1,020.00	1.50	\$ 1,530.00	\$ 1,040.40	1.50	\$ 1,560.60
6	2	Boating materials, gear and fuel	\$ 1,020.00	2.00	\$ 2,040.00	\$ 1,040.40	2.00	\$ 2,080.80
7	3	Monthly fleet rental (3 trucks, 1 month)	\$ 510.00	3.00	\$ 1,530.00	\$ 520.20	3.00	\$ 1,560.60
8	3	Mileage costs (1500 miles)	\$ 0.41	1500.00	\$ 612.00	\$ 0.42	1500.00	\$ 624.24
9	3	Shuttle costs (3)	\$ 204.00	3.00	\$ 612.00	\$ 208.08	3.00	\$ 624.24
10	3	Camping materials and gear	\$ 1,020.00	0.50	\$ 510.00	\$ 1,040.40	0.50	\$ 520.20
11	3	Sampling materials and gear	\$ 1,020.00	0.75	\$ 765.00	\$ 1,040.40	0.75	\$ 780.30
12	3	Boating materials, gear and fuel	\$ 1,020.00	1.00	\$ 1,020.00	\$ 1,040.40	1.00	\$ 1,040.40
13	6	Monthly fleet rental (1 truck, 1 month)	\$ 510.00	1.00	\$ 510.00	\$ 520.20	1.00	\$ 520.20
14	6	Mileage costs (250 miles)	\$ 0.41	250.00	\$ 102.00	\$ 0.42	250.00	\$ 104.04
15			\$ -	0	\$ -	\$ -	0	\$ -
16			\$ -	0	\$ -	\$ -	0	\$ -
17			\$ -	0	\$ -	\$ -	0	\$ -
18			\$ -	0	\$ -	\$ -	0	\$ -
					\$ 16,371.00			\$ 16,698.42

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, SERVICES	Yr 5 Escalation Rate	2.00%
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	Task # or Description	Item Description	Year 5			TOTAL
			Unit Price	Unit Quantity	Subtotal	
1	2	Monthly fleet rental (3 trucks, 2 months)	\$ 530.60	6.00	\$ 3,183.62	\$ 15,364.82
2	2	Mileage costs (4500 miles)	\$ 0.42	4500.00	\$ 1,910.17	\$ 9,218.89
3	2	Shuttle costs (6)	\$ 212.24	6.00	\$ 1,273.45	\$ 6,145.93
4	2	Camping materials and gear	\$ 1,061.21	1.00	\$ 1,061.21	\$ 5,121.61
5	2	Sampling materials and gear	\$ 1,061.21	1.50	\$ 1,591.81	\$ 7,682.41
6	2	Boating materials, gear and fuel	\$ 1,061.21	2.00	\$ 2,122.42	\$ 10,243.22
7	3	Monthly fleet rental (3 trucks, 1 month)	\$ 530.60	3.00	\$ 1,591.81	\$ 7,682.41
8	3	Mileage costs (1500 miles)	\$ 0.42	1500.00	\$ 636.72	\$ 3,072.96
9	3	Shuttle costs (3)	\$ 212.24	3.00	\$ 636.72	\$ 3,072.96
10	3	Camping materials and gear	\$ 1,061.21	0.50	\$ 530.60	\$ 2,560.80
11	3	Sampling materials and gear	\$ 1,061.21	0.75	\$ 795.91	\$ 3,841.21
12	3	Boating materials, gear and fuel	\$ 1,061.21	1.00	\$ 1,061.21	\$ 5,121.61
13	6	Monthly fleet rental (1 truck, 1 month)	\$ 530.60	1.00	\$ 530.60	\$ 2,560.80
14	6	Mileage costs (250 miles)	\$ 0.42	250.00	\$ 106.12	\$ 512.16
15			\$ -	0	\$ -	\$ -
16			\$ -	0	\$ -	\$ -
17			\$ -	0	\$ -	\$ -
18			\$ -	0	\$ -	\$ -
					\$ 17,032.37	\$ 82,201.79

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	Task 2. Echo/Split	Task 2. Echo/Split	Task 2. Echo/Split	Task 2. Echo/Split	Task 2. Echo/Split	
Reason	Field Work	Field Work	Field Work	Field Work	Field Work	
# of Days (include travel days)	4	4	4	4	4	
Airfare	\$ -	\$ -	\$ -	\$ -	\$ -	
Lodging (Per Night)	\$ -	\$ -	\$ -	\$ -	\$ -	
MI&E Per Day	\$ 35.00	\$ 35.00	\$ 35.70	\$ 36.41	\$ 37.14	
Auto Rental Per Day	\$ -	\$ -	\$ -	\$ -	\$ -	
Misc Costs/Adjustments/Trip	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Per Trip	\$ 140.00	\$ 140.00	\$ 142.80	\$ 145.66	\$ 148.57	
No. of persons	6	6	6	6	6	
No. of trips	4	4	4	4	4	
SUBTOTAL =	\$ 3,360.00	\$ 3,360.00	\$ 3,427.20	\$ 3,495.74	\$ 3,565.66	\$ 17,208.60
Cost Element	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
Trip #	2	2	2	2	2	
From-To	Task 2. Deso	Task 2. Deso	Task 2. Deso	Task 2. Deso	Task 2. Deso	
Reason	Field Work	Field Work	Field Work	Field Work	Field Work	
# of Days (include travel days)	8	8	8	8	8	
Airfare	\$ -	\$ -	\$ -	\$ -	\$ -	
Lodging (Per Night)	\$ -	\$ -	\$ -	\$ -	\$ -	
MI&E Per Day	\$ 35.00	\$ 35.00	\$ 35.70	\$ 36.41	\$ 37.14	
Auto Rental Per Day	\$ -					
Misc Costs/Adjustments/Trip	\$ -					
Total Per Trip	\$ 280.00	\$ 280.00	\$ 285.60	\$ 291.31	\$ 297.14	
No. of persons	6	6	6	6	6	
No. of trips	1	1	1	1	1	
Total miles						
SUBTOTAL =	\$ 1,680.00	\$ 1,680.00	\$ 1,713.60	\$ 1,747.87	\$ 1,782.83	\$ 8,604.30
	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
TOTAL COST BY PERIOD =	\$ 5,040.00	\$ 5,040.00	\$ 5,140.80	\$ 5,243.62	\$ 5,348.49	\$ 25,812.90