FY 2022-23 SCOPE OF WORK PROJECT: 167

Project Title
Smallmouth bass control in the White River

Bureau of Reclamation Agreement Number:
R20PG00024 (USFWS)
R19AP00059 (UDWR)

Reclamation Agreement Term
October 1, 2018 – September 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:
USFWS Green River Basin FWCO

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Category:
X Ongoing project
__ Ongoing-revised project
__ Requested new project
__ Unsolicited proposal

Expected Funding Source:
X Annual funds
__ Capital funds
__ Other

Relationship to RIPRAP:
White River Action Plan:

III.	Reduce negative impacts of nonnative fishes and sportfish management activities (nonnative and sportfish management).
III.B.	Reduce negative impacts to endangered fishes from sportfish management activities.
III.B.2.	Preclude new nonnative species introductions, translocations or invasions to preserve native species dominance within critical habitat.
III.B.2.a.	Determine and implement an adequate level of mechanical removal to reduce smallmouth bass.

Study Background/Rationale and Hypotheses:
The Upper Colorado River Endangered Fish Recovery Program has determined that the White River is an important tributary habitat for recovery of the four endangered fish species (USFWS 2002a-c): Colorado pikeminnow (*Ptychocheilus lucius*), razorback sucker (*Xyrauchen texanus*), humpback chub (*Gila cypha*), and bonytail (*G. elegans*). endangered fish in the Green River subbasin. The highest catch rates of adult and sub-adult Colorado pikeminnow in the Green River sub-basin were observed in the White River during earlier Colorado pikeminnow abundance estimates (Bestgen et al. 2010). Furthermore, adult razorback sucker, many in spawning condition, have recently been collected in the White River during spring sampling (STReaMs Database) and larval razorback sucker were documented for the first time in June 2011 (Webber et al. 2013a), suggesting this species is now utilizing this system for spawning purposes. Additionally, the White River is a stronghold for unlisted native species (Lanigan and Berry 1981; Martinez et al. 1994; Breen and Hedrick 2009, 2010), thus providing an important forage base for Colorado pikeminnow (Osmundson et al. 1998).

To maintain this tributary as an habitat for the endangered fish, control of nonnative fish in the upper Colorado River basin is essential. Specifically, smallmouth bass (*Micropterus dolomieu*) have been documented in the White River for over three decades (Crosby 1975), yet proliferation of this population did not occur until recently. In 2009, 41 smallmouth bass were collected during one low-flow native species sampling pass (42.5 mile reach in Utah; Breen and Hedrick 2010). In addition, increasing numbers of smallmouth bass were collected from 2011-2013 during Colorado pikeminnow abundance estimate sampling. During our initial investigation in 2012, we learned that the majority of smallmouth bass were found in the first ten miles below Taylor Draw Dam, and densities decreased dramatically downstream of this area (Breen et al. 2012). This has continued to be the overall distribution of bass in the river, but adult and sub-adult densities have increased in downstream reaches, particularly after low discharge and warm river conditions that are conducive to bass reproduction (Webber et al. 2013b). More recent removal efforts have demonstrated that smallmouth bass have successfully reproduced and recruited every year since 2012 regardless of hydrology, and as a result, bass densities have continued to increase (Smith et al. 2020).

Study Goals, Objectives, End Product(s):
Goal: Sufficiently reduce the abundance of adult smallmouth bass in the White River such that their potential to spawn and their predatory and competitive impacts on the growth, recruitment, and survival of endangered and other native fishes is minimized.

Objectives:

1. Conduct removal passes for smallmouth bass in the White River from the Taylor Draw Dam (RM 104) to the BLM Enron boat ramp (RM 24). Effort will be distributed based on greatest efficiency of bass removal, especially focusing on the controlling high densities of reproducing adults immediately below Taylor Draw Dam and limiting population expansion.

End Product: An annual report will provide information on the extent of the smallmouth bass population in the White River, as well as annual fluctuations in CPUE. Summary metrics will include: total numbers of adult and juvenile smallmouth bass removed, total CPUE, CPUE by river reach and size class, numbers of other nonnatives removed, and knowledge of spawning periods and locations.

Study Area:
The study area encompasses the White River below Kenney Reservoir (Colorado and Utah), where we will remove smallmouth bass from the Taylor Draw Dam (RM 104) to the Enron boat ramp (RM 24).

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, 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. 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 levels (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 electrofishing. In addition, we will remove smallmouth bass outside of the spawning period in order to reduce population abundance. We will measure response to these efforts via CPUE comparisons across years given that we do not conduct population estimates for smallmouth bass on the White River.

Two electrofishing rafts will simultaneously electrofish each shoreline of the river. Effort will be focused on shoreline habitat that is likely to contain smallmouth bass. Sampling crews will conduct removal activities in a manner that minimizes potential negative impacts to endangered fish resulting from electrofishing activities. This includes discontinuing electrofishing when elevated numbers of endangered and threatened fishes are present, especially when actively spawning. Electrofishing passes will be conducted from May to early July, focusing on the descending limb of the hydrograph when water temperatures will likely favor smallmouth bass spawning and nesting (~16°C). Smallmouth bass captured in this project will not be tagged and released for population estimates as mentioned above.

Task Description, Deliverables and Schedule:
Task 1.Seventeen days of smallmouth bass removal from Taylor Draw Dam (RM 104) to the Big Trujillo (BLM) boat launch (RM 87.5) and two passes (three days of effort per pass) from the BLM boat ramp (RM 87.6) to the Bonanza bridge (RM 59) by Green River Basin FWCO.
Task 2. Twelve days of smallmouth bass removal from Big Trujillo boat launch to Enron boat ramp (RM 24) by UDWR Vernal.
Task 3. Annual Reporting and data provided to STReaMS.

Schedule: FY 2022-2026

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

Budget Summary:

FY Year	USFWS-GRB FWCO	UDWR-Vernal	FY Total
2022	$58,181	$41,926	$100,107
2023	$58,402	$41,926	$100,328
2024	$60,244	$42,764	$103,008
2025	$65,185	$43,620	$108,805
2026	$66,489	$44,492	$110,981
Total	$308,500	$214.727	$ 523,227

Reviewers:

References:

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SUMMARY OF PROPOSED COSTS

Name of Servicing Agency:	US Fish & Wildlife Service Green River Basin FWCO
Project Name:	Recovery Program Project 167: Smallmouth Bass Control in the White River

		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		TOTAL
Enter the BEGINNING dates for each year ------>		**10/1/2021**		**10/1/2022**		**10/1/2023**		**10/1/2024**		**10/1/2025**		
		Through		Through		Through		Through		Through		
Enter the ENDING dates for each year -------->		**9/30/2022**		**9/30/2023**		**9/30/2024**		**9/30/2025**		**9/30/2026**		
DIRECT LABOR AND FRINGE BENEFIT COSTS:		**YEAR 1**		**YEAR 2**		**YEAR 3**		**YEAR 4**		**YEAR 5**		**TOTAL**
Direct Labor - Hourly		$ 36,448.77		$ 36,091.85		$ 37,825.83		$ 41,495.65		$ 42,325.56		$ 194,187.65
Fringe Benefits - Hourly		$ 12,821.28		$ 12,544.37		$ 13,302.48		$ 14,283.34		$ 14,569.01		$ 67,520.48
Subtotal of Direct Labor & Fringe Benefits:		**$ 49,270.05**		**$ 48,636.22**		**$ 51,128.30**		**$ 55,778.99**		**$ 56,894.57**		**$ 261,708.13**
OTHER DIRECT COSTS:		**YEAR 1**		**YEAR 2**		**YEAR 3**		**YEAR 4**		**YEAR 5**		**TOTAL**
Materials and Supplies		$ 4,874.09		$ 5,722.09		$ 4,971.58		$ 5,071.01		$ 5,172.42		$ 25,811.19
Travel Costs		$ 1,442.18		$ 1,442.18		$ 1,471.02		$ 1,500.44		$ 1,530.45		$ 7,386.26
Equipment		$ -		$ -		$ -		$ -		$ -		$ -
Contractors		$ 900.00		$ 900.00		$ 918.00		$ 936.36		$ 955.09		$ 4,609.45
Subtotal of Other Direct Costs:		**$ 7,216.27**		**$ 8,064.27**		**$ 7,360.60**		**$ 7,507.81**		**$ 7,657.95**		**$ 37,806.89**
INDIRECT/OVERHEAD COSTS:		**YEAR 1**		**YEAR 2**		**YEAR 3**		**YEAR 4**		**YEAR 5**		**TOTAL**
Subtotal of Labor and Other Direct Costs:		**$ 56,486.31**		**$ 56,700.49**		**$ 58,488.90**		**$ 63,286.80**		**$ 64,552.53**		
Total dollars exempt from indirect/overhead base:		$ -										
<Enter Description of Indirect/OH Cost #1>	**3.00%**	$ 1,694.59	**3.00%**	$ 1,701.01	**3.00%**	$ 1,754.67	**3.00%**	$ 1,898.60	**3.00%**	$ 1,936.58		$ 8,985.45
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:		**$ 1,694.59**		**$ 1,701.01**		**$ 1,754.67**		**$ 1,898.60**		**$ 1,936.58**		**$ 8,985.45**
		YEAR 1		**YEAR 2**		**YEAR 3**		**YEAR 4**		**YEAR 5**		**TOTAL**
GRAND TOTAL:		**$ 58,180.90**		**$ 58,401.50**		**$ 60,243.57**		**$ 65,185.40**		**$ 66,489.10**		**$ 308,500.48**

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	9/30/2023	
	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	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost
1	1	Fish Biologist	GS 12	2	Rest of US	$ 38.37	237.0	$ 38.37	$ 9,093.69	37.00%	$ 3,364.67	237.0	$ 39.60	$ 9,385.20	37.00%	$ 3,472.52
2	1	Fish Biologist	GS 11	1	Rest of US	$ 30.98	37.0	$ 30.98	$ 1,146.26	30.00%	$ 343.88	37.0	$ 32.01	$ 1,184.37	30.00%	$ 355.31
3	1	Fisheries Technician	GS 8	10	Rest of US	$ 30.14	200.0	$ 30.14	$ 6,028.00	52.00%	$ 3,134.56	171.0	$ 30.14	$ 5,153.94	52.00%	$ 2,680.05
4	1	Biological Science Technician	GS 6	1	Rest of US	$ 18.84	182.0	$ 18.84	$ 3,428.88	29.00%	$ 994.38	182.0	$ 18.84	$ 3,428.88	29.00%	$ 994.38
5	1	Biological Science Technician	GS 6	1	Rest of US	$ 18.84	182.0	$ 18.84	$ 3,428.88	29.00%	$ 994.38	182.0	$ 18.84	$ 3,428.88	29.00%	$ 994.38
6	1	Small Craft Operator	WG 5	2	Rest of US	$ 19.11	182.0	$ 19.11	$ 3,478.02	29.00%	$ 1,008.63	182.0	$ 19.87	$ 3,616.34	29.00%	$ 1,048.74
7	1	Biological Science Technician OT	GS 6	1	Rest of US	$ 28.26	24.0	$ 28.26	$ 678.24	0.00%	$ -	24.0	$ 28.26	$ 678.24	0.00%	$ -
8	1	Biological Science Technician OT	GS 5	1	Rest of US	$ 28.26	24.0	$ 28.26	$ 678.24	0.00%	$ -	24.0	$ 28.26	$ 678.24	0.00%	$ -
9	1	Small Craft Operator OT	WG 5	1	Rest of US	$ 28.67	24.0	$ 28.67	$ 687.96	0.00%	$ -	24.0	$ 28.67	$ 687.96	0.00%	$ -
10	3	Fish Biologist	GS 12	2	Rest of US	$ 38.37	40.0	$ 38.37	$ 1,534.80	37.00%	$ 567.88	40.0	$ 39.60	$ 1,584.00	37.00%	$ 586.08
11	3	Administrative Officer	GS 9	9	Rest of US	$ 32.43	96.0	$ 32.43	$ 3,113.28	37.00%	$ 1,151.91	96.0	$ 32.43	$ 3,113.28	37.00%	$ 1,151.91
12	3	Project Leader	GS 13	5	Rest of US	$ 50.04	63.0	$ 50.04	$ 3,152.52	40.00%	$ 1,261.01	63.0	$ 50.04	$ 3,152.52	40.00%	$ 1,261.01
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							**1,291.00**		**$ 36,448.77**		**$ 12,821.28**	**1,262.00**		**$ 36,091.85**		**$ 12,544.37**

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Yr 3 Escalation Rate	2.00%

Yr 4 Escalation Rate	2.00%

							YEAR 3					YEAR 4				
							10/1/2023		Through	9/29/2024		10/1/2024		Through	9/30/2025	
	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	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost
1	1	Fish Biologist	GS 12	2	Rest of US	$ 38.37	237.0	$ 40.84	$ 9,679.08	37.00%	$ 3,581.26	204.0	$ 41.66	$ 8,497.99	37.00%	$ 3,144.26
2	1	Fish Biologist	GS 11	1	Rest of US	$ 30.98	37.0	$ 33.04	$ 1,222.48	30.00%	$ 366.74	79.0	$ 33.70	$ 2,662.36	30.00%	$ 798.71
3	1	Fisheries Technician	GS 8	10	Rest of US	$ 30.14	200.0	$ 30.74	$ 6,148.56	52.00%	$ 3,197.25	193.0	$ 31.36	$ 6,052.03	52.00%	$ 3,147.05
4	1	Biological Science Technician	GS 6	1	Rest of US	$ 18.84	182.0	$ 19.22	$ 3,497.46	29.00%	$ 1,014.26	182.0	$ 19.60	$ 3,567.41	29.00%	$ 1,034.55
5	1	Biological Science Technician	GS 6	1	Rest of US	$ 18.84	182.0	$ 19.22	$ 3,497.46	29.00%	$ 1,014.26	182.0	$ 19.60	$ 3,567.41	29.00%	$ 1,034.55
6	1	Small Craft Operator	WG 5	2	Rest of US	$ 19.11	182.0	$ 20.27	$ 3,688.67	29.00%	$ 1,069.71	182.0	$ 20.67	$ 3,762.44	29.00%	$ 1,091.11
7	1	Biological Science Technician OT	GS 6	1	Rest of US	$ 28.26	24.0	$ 28.83	$ 691.80	0.00%	$ -	32.0	$ 29.40	$ 940.85	0.00%	$ -
8	1	Biological Science Technician OT	GS 5	1	Rest of US	$ 28.26	24.0	$ 28.83	$ 691.80	0.00%	$ -	32.0	$ 29.40	$ 940.85	0.00%	$ -
9	1	Small Craft Operator OT	WG 5	1	Rest of US	$ 28.67	24.0	$ 29.24	$ 701.72	0.00%	$ -	32.0	$ 29.82	$ 954.34	0.00%	$ -
10	3	Fish Biologist	GS 12	2	Rest of US	$ 38.37	40.0	$ 40.39	$ 1,615.68	37.00%	$ 597.80	48.0	$ 41.20	$ 1,977.59	37.00%	$ 731.71
11	3	Administrative Officer	GS 9	9	Rest of US	$ 32.43	96.0	$ 33.08	$ 3,175.55	37.00%	$ 1,174.95	126.0	$ 33.74	$ 4,251.26	37.00%	$ 1,572.97
12	3	Project Leader	GS 13	5	Rest of US	$ 50.04	63.0	$ 51.04	$ 3,215.57	40.00%	$ 1,286.23	83.0	$ 52.06	$ 4,321.11	40.00%	$ 1,728.45
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							######		$ 37,825.83		$ 13,302.48	1,375.00		$ 41,495.65		$ 14,283.34

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Yr 5 Escalation Rate	2.00%

	Task # or Description	Position Title	GS/WG Grade	GS/WG Step	OPM Pay Location	Current Hourly Rate	YEAR 5 10/1/2025 Through 9/30/2026 # 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 US	$ 38.37	204.0	$ 42.49	$ 8,667.95	37.00%	$ 3,207.14	$ 45,323.90	$ 16,769.84	**$ 62,093.75**
2	1	Fish Biologist	GS 11	1	Rest of US	$ 30.98	79.0	$ 34.37	$ 2,715.61	30.00%	$ 814.68	$ 8,931.08	$ 2,679.33	**$ 11,610.41**
3	1	Fisheries Technician	GS 8	10	Rest of US	$ 30.14	193.0	$ 31.98	$ 6,173.07	52.00%	$ 3,210.00	$ 29,555.60	$ 15,368.91	**$ 44,924.51**
4	1	Biological Science Technician	GS 6	1	Rest of US	$ 18.84	182.0	$ 19.99	$ 3,638.75	29.00%	$ 1,055.24	$ 17,561.38	$ 5,092.80	**$ 22,654.18**
5	1	Biological Science Technician	GS 6	1	Rest of US	$ 18.84	182.0	$ 19.99	$ 3,638.75	29.00%	$ 1,055.24	$ 17,561.38	$ 5,092.80	**$ 22,654.18**
6	1	Small Craft Operator	WG 5	2	Rest of US	$ 19.11	182.0	$ 21.09	$ 3,837.69	29.00%	$ 1,112.93	$ 18,383.16	$ 5,331.12	**$ 23,714.27**
7	1	Biological Science Technician OT	GS 6	1	Rest of US	$ 28.26	32.0	$ 29.99	$ 959.67	0.00%	$ -	$ 3,948.81	$ -	**$ 3,948.81**
8	1	Biological Science Technician OT	GS 5	1	Rest of US	$ 28.26	32.0	$ 29.99	$ 959.67	0.00%	$ -	$ 3,948.81	$ -	**$ 3,948.81**
9	1	Small Craft Operator OT	WG 5	1	Rest of US	$ 28.67	32.0	$ 30.42	$ 973.42	0.00%	$ -	$ 4,005.40	$ -	**$ 4,005.40**
10	3	Fish Biologist	GS 12	2	Rest of US	$ 38.37	48.0	$ 42.02	$ 2,017.14	37.00%	$ 746.34	$ 8,729.22	$ 3,229.81	**$ 11,959.03**
11	3	Administrative Officer	GS 9	9	Rest of US	$ 32.43	126.0	$ 34.41	$ 4,336.29	37.00%	$ 1,604.43	$ 17,989.65	$ 6,656.17	**$ 24,645.83**
12	3	Project Leader	GS 13	5	Rest of US	$ 50.04	83.0	$ 53.10	$ 4,407.54	40.00%	$ 1,763.01	$ 18,249.26	$ 7,299.70	**$ 25,548.97**
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							**1,375.00**		**$ 42,325.56**		**$ 14,569.01**	**$ 194,187.65**	**$ 67,520.48**	**$ 261,708.13**

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, AND SERVICES

Yr 2 Escalation Rate	0.00%

				Year 1			Year 2		
	Task # or Description	Item Description	Rationale for Proposed Cost	Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal
1	1	GSA Lease of Equip Code 6351 (monthly lease)	http://www.gsa.gov/portal/category/21852	$ 224.00	1	$ 224.00	$ 224.00	1	$ 224.00
2	1	GSA Lease of Equip Code 6351 (mileage rate)	http://www.gsa.gov/portal/category/21852	$ 0.32	2650	$ 848.00	$ 0.32	2650	$ 848.00
3	1	GSA Lease of Equip Code 6352 (monthly lease)	http://www.gsa.gov/portal/category/21852	$ 233.00	4	$ 932.00	$ 233.00	4	$ 932.00
4	1	GSA Lease of Equip Code 6352 (mileage rate)	http://www.gsa.gov/portal/category/21852	$ 0.33	5570	$ 1,838.10	$ 0.33	5570	$ 1,838.10
5	1	Sampling gear repair/replacement	Please refer to Reclamation Agreement number R15PG00083	$ 333.33	1	$ 333.33	$ 333.33	1	$ 333.33
6	1	Boating gear repair/replacement	Please refer to Reclamation Agreement number R15PG00083	$ 333.33	1	$ 333.33	$ 333.33	1	$ 333.33
7	1	Camping gear repair/replacement	Please refer to Reclamation Agreement number R15PG00083	$ 333.33	1	$ 333.33	$ 333.33	1	$ 333.33
8	1	Boat fuel (gal)	Please refer to Reclamation Agreement number R15PG00083	$ 4.00	276	$ 1,104.00	$ 4.00	276	$ 1,104.00
9				$ -	0	$ -	$ -	0	$ -
10				$ -	0	$ -	$ -	0	$ -
11				$ -	0	$ -	$ -	0	$ -
12				$ -	0	$ -	$ -	0	$ -
13				$ -	0	$ -	$ -	0	$ -
14				$ -	0	$ -	$ -	0	$ -
15				$ -	0	$ -	$ -	0	$ -
			TOTAL:			**$ 4,874.09**			**$ 5,722.09**

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SUPPLIES, AND SERVICES	Yr 3 Escalation Rate	2.00%	Yr 4 Escalation Rate	2.00%

	Task # or Description	Item Description	Year 3 Unit Price	Year 3 Unit Quantity	Year 3 Subtotal	Year 4 Unit Price	Year 4 Unit Quantity	Year 4 Subtotal
1	1	GSA Lease of Equip Code 6351 (monthly lease)	$ 228.48	1	$ 228.48	$ 233.05	1	$ 233.05
2	1	GSA Lease of Equip Code 6351 (mileage rate)	$ 0.32	2650	$ 848.00	$ 0.33	2650	$ 864.96
3	1	GSA Lease of Equip Code 6352 (monthly lease)	$ 237.66	4	$ 950.64	$ 242.41	4	$ 969.65
4	1	GSA Lease of Equip Code 6352 (mileage rate)	$ 0.34	5570	$ 1,874.86	$ 0.34	5570	$ 1,912.36
5	1	Sampling gear repair/replacement	$ 340.00	1	$ 340.00	$ 346.80	1	$ 346.80
6	1	Boating gear repair/replacement	$ 340.00	1	$ 340.00	$ 346.80	1	$ 346.80
7	1	Camping gear repair/replacement	$ 340.00	1	$ 340.00	$ 346.80	1	$ 346.80
8	1	Boat fuel (gal)	$ 4.08	276	$ 1,126.08	$ 4.16	276	$ 1,148.60
9			$ -	0	$ -	$ -	0	$ -
10			$ -	0	$ -	$ -	0	$ -
11			$ -	0	$ -	$ -	0	$ -
12			$ -	0	$ -	$ -	0	$ -
13			$ -	0	$ -	$ -	0	$ -
14			$ -	0	$ -	$ -	0	$ -
15			$ -	0	$ -	$ -	0	$ -
					$ 4,971.58			**$ 5,071.01**

SUMMARY OF MATERIALS AND SUPPLIES

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

	Task # or Description	Item Description	Year 5 Unit Price	Year 5 Unit Quantity	Year 5 Subtotal	TOTAL
1	1	GSA Lease of Equip Code 6351 (monthly lease)	$237.71	1	$ 237.71	$ 1,147.24
2	1	GSA Lease of Equip Code 6351 (mileage rate)	$0.33	2650	$ 882.26	$ 4,291.22
3	1	GSA Lease of Equip Code 6352 (monthly lease)	$ 247.26	4	$ 989.05	$ 4,689.34
4	1	GSA Lease of Equip Code 6352 (mileage rate)	$ 0.35	5570	$ 1,950.61	$ 9,414.03
5	1	Sampling gear repair/replacement	$ 353.73	1	$ 353.73	$ 1,707.19
6	1	Boating gear repair/replacement	$ 353.73	1	$ 353.73	$ 1,707.19
7	1	Camping gear repair/replacement	$ 353.73	1	$ 353.73	$ 1,707.19
8	1	Boat fuel (gal)	$ 4.24	276	$ 1,171.57	$ 5,654.25
9			$ -	0	$ -	$ -
10			$ -	0	$ -	$ -
11			$ -	0	$ -	$ -
12			$ -	0	$ -	$ -
13			$ -	0	$ -	$ -
14			$ -	0	$ -	$ -
15			$ -	0	$ -	$ -
					$ 5,172.42	**$ 25,811.19**

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 Big Trujillo	Vernal to Big Trujillo	Vernal to Big Trujillo	Vernal to Big Trujillo	Vernal to Big Trujillo	
Reason	Field work	Field work	Field work	Field work	Field work	
# of Days (include travel days)	6	6	6	6	6	
Airfare	$ -	$ -	$ -	$ -	$ -	
Lodging (Per Night)	$ -	$ -	$ -	$ -	$ -	
MI&E Per Day	$ 36.97	$ 36.97	$ 37.71	$ 38.46	$ 39.23	
Auto Rental Per Day	$ -	$ -	$ -	$ -	$ -	
Total Per Trip	**$ 203.34**	**$ 203.34**	**$ 207.40**	**$ 211.55**	**$ 215.78**	
No. of persons	5	5	5	5	5	
SUBTOTAL =	**$ 1,016.68**	**$ 1,016.68**	**$ 1,037.01**	**$ 1,057.75**	**$ 1,078.90**	**$ 5,207.01**

Cost Element	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
Trip #	2	2	2	2	2	
From-To	Vernal to Grand Junction	Vernal to Grand Junction	Vernal to Grand Junction	Vernal to Grand Junction	Vernal to Grand Junction	
Reason	NNF Meeting	NNF Meeting	NNF Meeting	NNF Meeting	NNF Meeting	
# of Days (include travel days)	3	3	3	3	3	
Airfare	$ -	$ -	$ -	$ -	$ -	
Lodging (Per Night)	$ 96.00	$ 96.00	$ 97.92	$ 99.88	$ 101.88	
MI&E Per Day	$ 55.00	$ 55.00	$ 56.10	$ 57.22	$ 58.37	
Auto Rental Per Day	$ -	$ -	$ -	$ -	$ -	
Total Per Trip	**$ 425.50**	**$ 425.50**	**$ 434.01**	**$ 442.69**	**$ 451.54**	
No. of persons	1	1	1	1	1	
SUBTOTAL =	**$ 425.50**	**$ 425.50**	**$ 434.01**	**$ 442.69**	**$ 451.54**	**$ 2,179.24**

	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
TOTAL COST BY PERIOD =	**$ 1,442.18**	**$ 1,442.18**	**$ 1,471.02**	**$ 1,500.44**	**$ 1,530.45**	**$ 7,386.26**

SUMMARY OF CONTRACTOR COSTS

	Contractor:	Contractor Website:	Purpose:	Competitive Award?	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
1	River Runner Transport	http://www.riverrunnerstransport.com/	Vehicle shuttles: Big Trujillo to Bonanza bridge	No	$ 900.00	$ 900.00	$ 918.00	$ 936.36	$ 955.09	**$ 4,609.45**
2					$ -	$ -	$ -	$ -	$ -	**$ -**
3					$ -	$ -	$ -	$ -	$ -	**$ -**
4					$ -	$ -	$ -	$ -	$ -	**$ -**
5					$ -	$ -	$ -	$ -	$ -	**$ -**
				TOTAL =	**$ 900.00**	**$ 900.00**	**$ 918.00**	**$ 936.36**	**$ 955.09**	**$ 4,609.45**

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:	Projecct 167: Smallmouth bass control in the White River (Vernal Field Office)

Enter the BEGINNING dates for each year ------>		YEAR 1 10/1/2022 Through		YEAR 2 10/1/2023 Through		YEAR 3 10/1/2024 Through		YEAR 4 10/1/2025 Through		YEAR 5 10/1/2026 Through	TOTAL
Enter the ENDING dates for each year -------->		**9/30/2023**		**9/30/2024**		**9/30/2025**		**9/30/2026**		**9/30/2027**	
DIRECT LABOR AND FRINGE BENEFIT COSTS:		**YEAR 1**		**YEAR 2**		**YEAR 3**		**YEAR 4**		**YEAR 5**	**TOTAL**
Direct Labor - Hourly		$ 27,254.78		$ 27,254.78		$ 27,799.87		$ 28,355.87		$ 28,922.99	$ 139,588.28
Fringe Benefits - Hourly		$ 5,382.72		$ 5,382.72		$ 5,490.37		$ 5,600.18		$ 5,712.18	$ 27,568.17
Subtotal of Direct Labor & Fringe Benefits:		**$ 32,637.49**		**$ 32,637.49**		**$ 33,290.24**		**$ 33,956.05**		**$ 34,635.17**	**$ 167,156.45**
OTHER DIRECT COSTS:		**YEAR 1**		**YEAR 2**		**YEAR 3**		**YEAR 4**		**YEAR 5**	**TOTAL**
Materials and Supplies		$ 7,383.85		$ 7,383.85		$ 7,531.54		$ 7,682.16		$ 7,835.80	$ 37,817.20
Travel Costs		$ 1,904.40		$ 1,904.40		$ 1,942.49		$ 1,981.34		$ 2,020.96	$ 9,753.59
Equipment		$ -		$ -		$ -		$ -		$ -	$ -
Contractors		$ -		$ -		$ -		$ -		$ -	$ -
Subtotal of Other Direct Costs:		**$ 9,288.25**		**$ 9,288.25**		**$ 9,474.03**		**$ 9,663.50**		**$ 9,856.76**	**$ 47,570.79**
INDIRECT/OVERHEAD COSTS:		**YEAR 1**		**YEAR 2**		**YEAR 3**		**YEAR 4**		**YEAR 5**	**TOTAL**
Subtotal of Labor and Other Direct Costs:		**$ 41,925.74**		**$ 41,925.74**		**$ 42,764.27**		**$ 43,619.55**		**$ 44,491.93**	
Total dollars exempt from indirect/overhead base:		$ -		$ -		$ -		$ -		$ -	
<Enter Description of Indirect/OH Cost #1>	**17.00%**	$ -	**17.00%**	$ -	**17.00%**	$ -	**17.00%**	$ -	**17.00%**	$ -	$ -
Total dollars exempt from indirect/overhead base:		$ -		$ -		$ -		$ -		$ -	
<Enter Description of Indirect/OH Cost #2>	**11.00%**	$ -	**11.00%**	$ -	**11.00%**	$ -	**11.00%**	$ -	**11.00%**	$ -	$ -
Subtotal of Indirect/Overhead Costs:		**$ -**		**$ -**		**$ -**		**$ -**		**$ -**	**$ -**

		YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	TOTAL
GRAND TOTAL:		**$ 41,925.74**		**$ 41,925.74**		**$ 42,764.27**		**$ 43,619.55**		**$ 44,491.93**	**$ 214,727.24**

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

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

					YEAR 1						YEAR 2				
					10/1/2022		Through	9/30/2023			10/1/2023		Through	9/30/2024	
	Task # or Description	Employee Name	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	2	Matt Breen	Project Leader	$ 29.14	200.0	$ 29.14	$ 5,827.81	40.00%	$ 2,331.13	200.0	$ 29.14	$ 5,827.81	40.00%	$ 2,331.13
2	2	Mike Partlow	Biologist II	$ 26.63	80.0	$ 26.63	$ 2,130.23	40.00%	$ 852.09	80.0	$ 26.63	$ 2,130.23	40.00%	$ 852.09
3	2	Garrett Tournear	Journey Maint. Special	$ 27.08	160.0	$ 27.08	$ 4,333.19	40.00%	$ 1,733.28	160.0	$ 27.08	$ 4,333.19	40.00%	$ 1,733.28
4	2	Seasonal	Technician II	$ 20.08	200.0	$ 20.08	$ 4,015.82	0.00%	$ -	200.0	$ 20.08	$ 4,015.82	0.00%	$ -
5	2	Seasonal	Technician I	$ 18.64	400.0	$ 18.64	$ 7,455.79	0.00%	$ -	400.0	$ 18.64	$ 7,455.79	0.00%	$ -
6	2	Seasonal	Shuttle Drivers	$ 19.04	80.0	$ 19.04	$ 1,523.20	0.00%	$ -	80.0	$ 19.04	$ 1,523.20	0.00%	$ -
7	3	Matt Breen	Project Leader	$ 29.14	40.0	$ 29.14	$ 1,165.56	40.00%	$ 466.23	40.0	$ 29.14	$ 1,165.56	40.00%	$ 466.23
8	3	Seasonal	Technician II	$ 20.08	40.0	$ 20.08	$ 803.16	0.00%	$ -	40.0	$ 20.08	$ 803.16	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%	$ -
					1,200.00		**$ 27,254.78**		**$ 5,382.72**	**1,200.00**		**$ 27,254.78**		**$ 5,382.72**

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Yr 3 Escalation Rate	2.00%

Yr 4 Escalation Rate	2.00%

					YEAR 3						YEAR 4				
					10/1/2024		Through	9/30/2025			10/1/2025		Through	9/30/2026	
	Task # or Description	Employee Name	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	2	Matt Breen	Project Leader	$ 29.14	200.0	$ 29.72	$ 5,944.37	40.00%	$ 2,377.75	200.0	$ 30.32	$ 6,063.26	40.00%	$ 2,425.30
2	2	Mike Partlow	Biologist II	$ 26.63	80.0	$ 27.16	$ 2,172.83	40.00%	$ 869.13	80.0	$ 27.70	$ 2,216.29	40.00%	$ 886.52
3	2	Garrett Tournear	Journey Maint. Special	$ 27.08	160.0	$ 27.62	$ 4,419.86	40.00%	$ 1,767.94	160.0	$ 28.18	$ 4,508.25	40.00%	$ 1,803.30
4	2	Seasonal	Technician II	$ 20.08	200.0	$ 20.48	$ 4,096.14	0.00%	$ -	200.0	$ 20.89	$ 4,178.06	0.00%	$ -
5	2	Seasonal	Technician I	$ 18.64	400.0	$ 19.01	$ 7,604.91	0.00%	$ -	400.0	$ 19.39	$ 7,757.01	0.00%	$ -
6	2	Seasonal	Shuttle Drivers	$ 19.04	80.0	$ 19.42	$ 1,553.66	0.00%	$ -	80.0	$ 19.81	$ 1,584.74	0.00%	$ -
7	3	Matt Breen	Project Leader	$ 29.14	40.0	$ 29.72	$ 1,188.87	40.00%	$ 475.55	40.0	$ 30.32	$ 1,212.65	40.00%	$ 485.06
8	3	Seasonal	Technician II	$ 20.08	40.0	$ 20.48	$ 819.23	0.00%	$ -	40.0	$ 20.89	$ 835.61	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%	$ -
					1,200.00		**$ 27,799.87**		**$ 5,490.37**	**1,200.00**		**$ 28,355.87**		**$ 5,600.18**

SUMMARY OF DIRECT LABOR & FRINGE BENEFITS

Yr 5 Escalation Rate	2.00%

	Task # or Description	Employee Name	Position Title	Current Hourly Rate	YEAR 5 10/1/2026 Through 9/30/2027 # of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	Total Salary Cost	Total Fringe Cost	Total Labor Cost
1	2	Matt Breen	Project Leader	$ 29.14	200.0	$ 30.92	$ 6,184.52	40.00%	$ 2,473.81	$ 29,847.78	$ 11,939.11	**$ 41,786.90**
2	2	Mike Partlow	Biologist II	$ 26.63	80.0	$ 28.26	$ 2,260.61	40.00%	$ 904.25	$ 10,910.19	$ 4,364.07	**$ 15,274.26**
3	2	Garrett Tournear	Journey Maint. Special	$ 27.08	160.0	$ 28.74	$ 4,598.42	40.00%	$ 1,839.37	$ 22,192.91	$ 8,877.17	**$ 31,070.08**
4	2	Seasonal	Technician II	$ 20.08	200.0	$ 21.31	$ 4,261.62	0.00%	$ -	$ 20,567.47	$ -	**$ 20,567.47**
5	2	Seasonal	Technician I	$ 18.64	400.0	$ 19.78	$ 7,912.15	0.00%	$ -	$ 38,185.65	$ -	**$ 38,185.65**
6	2	Seasonal	Shuttle Drivers	$ 19.04	80.0	$ 20.21	$ 1,616.43	0.00%	$ -	$ 7,801.23	$ -	**$ 7,801.23**
7	3	Matt Breen	Project Leader	$ 29.14	40.0	$ 30.92	$ 1,236.90	40.00%	$ 494.76	$ 5,969.56	$ 2,387.82	**$ 8,357.38**
8	3	Seasonal	Technician II	$ 20.08	40.0	$ 21.31	$ 852.32	0.00%	$ -	$ 4,113.49	$ -	**$ 4,113.49**
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%	$ -	$ -	$ -	**$ -**
					1,200.00		**$ 28,922.99**		**$ 5,712.18**	**$ 139,588.28**	**$ 27,568.17**	**$ 167,156.45**

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 Unit Price	Year 1 Unit Quantity	Year 1 Subtotal	Year 2 Unit Price	Year 2 Unit Quantity	Year 2 Subtotal
1	1	Monthly fleet rental (4 trucks, 2 weeks)	Based on previous experience & SOWs funded through BOR contract R19AP00059	$ 500.00	2.67	$ 1,335.00	$ 500.00	2.67	$ 1,335.00
2	1	Mileage costs (2,000 miles)	Based on previous experience & SOWs funded through BOR contract R19AP00059	$ 0.40	2667.00	$ 1,066.80	$ 0.40	2667.00	$ 1,066.80
3	1	Boat Fuel	Based on previous experience & SOWs funded through BOR contract R19AP00059	$ 4.42	192.00	$ 847.93	$ 4.42	192.00	$ 847.93
4	1	Boating gear repair/replacement:	Based on previous experience & SOWs funded through BOR contract R19AP00059	$ 1,435.31	1.00	$ 1,435.31	$ 1,435.31	1.00	$ 1,435.31
5	1	Camping supplies	Based on previous experience & SOWs funded through BOR contract R19AP00059	$ 662.45	1.00	$ 662.45	$ 662.45	1.00	$ 662.45
6	1	Sampling gear repair/replacement	Based on previous experience & SOWs funded through BOR contract R19AP00059	$ 2,036.36	1.00	$ 2,036.36	$ 2,036.36	1.00	$ 2,036.36
7				$ -	0.00	$ -	$ -	0.00	$ -
8				$ -	0.00	$ -	$ -	0.00	$ -
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	$ -
			TOTAL:			**$ 7,383.85**			**$ 7,383.85**

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SERVICES	Yr 3 Escalation Rate	2.00%	Yr 4 Escalation Rate	2.00%

			Year 3			Year 4		
	Task # or Description	Item Description	Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal
1	1	Monthly fleet rental (4 trucks, 2 weeks)	$ 510.00	2.67	$ 1,361.70	$ 520.20	2.67	$ 1,388.93
2	1	Mileage costs (2,000 miles)	$ 0.41	2667.00	$ 1,088.14	$ 0.42	2667.00	$ 1,109.90
3	1	Boat Fuel	$ 4.50	192.00	$ 864.89	$ 4.59	192.00	$ 882.19
4	1	Boating gear repair/replacement:	$ 1,464.02	1.00	$ 1,464.02	$ 1,493.30	1.00	$ 1,493.30
5	1	Camping supplies	$ 675.70	1.00	$ 675.70	$ 689.21	1.00	$ 689.21
6	1	Sampling gear repair/replacement	$ 2,077.09	1.00	$ 2,077.09	$ 2,118.63	1.00	$ 2,118.63
7			$ -	0.00	$ -	$ -	0	$ -
8			$ -	0.00	$ -	$ -	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	$ -
					$ 7,531.54			**$ 7,682.16**

SUMMARY OF MATERIALS AND SUPPLIES

SUMMARY OF MATERIALS, SERVICES	Yr 5 Escalation Rate	2.00%

	Task # or Description	Item Description	Year 5 Unit Price	Year 5 Unit Quantity	Year 5 Subtotal	TOTAL
1	1	Monthly fleet rental (4 trucks, 2 weeks)	$ 530.60	2.67	$ 1,416.71	$ 6,837.34
2	1	Mileage costs (2,000 miles)	$ 0.42	2667.00	$ 1,132.10	$ 5,463.74
3	1	Boat Fuel	$ 4.69	192.00	$ 899.83	$ 4,342.77
4	1	Boating gear repair/replacement:	$ 1,523.16	1.00	$ 1,523.16	$ 7,351.10
5	1	Camping supplies	$ 703.00	1.00	$ 703.00	$ 3,392.81
6	1	Sampling gear repair/replacement	$ 2,161.00	1.00	$ 2,161.00	$ 10,429.44
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	$ -	$ -
					$ 7,835.80	**$ 37,817.20**

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	White River	White River	White River	White River	White River	
Reason	Overnight trips	Overnight trips	Overnight trips	Overnight trips	Overnight trips	
# of Days (include travel days)	12	12	12	12	12	
Airfare	$ -	$ -	$ -	$ -	$ -	
Lodging (Per Night)	$ -	$ -	$ -	$ -	$ -	
MI&E Per Day	$ 33.12	$ 33.12	$ 33.78	$ 34.46	$ 35.15	
Auto Rental Per Day	$ -	$ -	$ -	$ -	$ -	
Misc Costs/Adjustments/Trip	$ -	$ -	$ -	$ -	$ -	
Total Per Trip	**$ 380.88**	**$ 380.88**	**$ 388.50**	**$ 396.27**	**$ 404.19**	
No. of persons	5	5	5	5	5	
Mileage rate	$ -	$ -	$ -	$ -	$ -	
Total miles						
SUBTOTAL =	**$ 1,904.40**	**$ 1,904.40**	**$ 1,942.49**	**$ 1,981.34**	**$ 2,020.96**	**$ 9,753.59**

	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
TOTAL COST BY PERIOD =	**$ 1,904.40**	**$ 1,904.40**	**$ 1,942.49**	**$ 1,981.34**	**$ 2,020.96**	**$ 9,753.59**