

**RECOVERY PROGRAM  
FY 2020-2021 SCOPE OF WORK for:**

Recovery Program Project Number: 29C

Wahweap State Fish Hatchery Operation and Maintenance

Reclamation Agreement number: R19AP00059  
Reclamation Agreement term: Oct. 1, 2019 – Sept. 30, 2024

Lead agency: Utah Division of Wildlife Resources

Submitted by: Zane C. Olsen  
Wahweap State Fish Hatchery  
PO Box 410286  
Big Water, UT 84741  
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Email: zaneolsen@utah.gov

Date Last Modified: 1/12/2020 1:23 PM

Category:

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

Expected Funding Source:

- Annual funds  
 Capital funds  
 Other *[explain]*

I. Title of Proposal: Wahweap State Fish Hatchery Operation and Maintenance

II. Relationship to RIPRAP:

General Recovery Program Support Action Plan

- IV. Manage genetic integrity and augment or restore populations
  - IV.A. Genetics Management
    - IV.A.4 Secure and manage genetic stocks in refugia
      - IV.A.4.a Razorback sucker
      - IV.A.4.b Middle Green River
      - IV.A.4.b Bonytail
    - IV.C. Operate and maintain facilities
      - IV.C.3 Wahweap State Fish Hatchery

Green and Colorado River Action Plans: Mainstem

- IV.A. Augment or restore populations as needed and as guided by the Genetics Management Plan.
  - IV.A.1. Develop augmentation plan for the four endangered fishes of the Green and Colorado River.
    - IV.A.1.c Implement Plan.

III. Background/Rationale and Hypotheses:

Wahweap State Fish Hatchery rears bonytail to recommended size in four growing seasons. Warm water temperatures and longer growing season at Wahweap maximize growth and production of bonytail.

IV. Study Goals, objectives, and End Product:

Goal:

Contribute and assist with the recovery of the endangered fish species in the Upper Colorado River basin by rearing healthy fish for stocking in the basin.

Objectives:

Operate a hatchery facility that supports a genetically sound propagation program for high priority endangered fish species for the UCREFRP in the Upper Colorado River Basin in accordance with the Annual Propagation Facilities Operation Plan and state stocking plans by holding and rearing endangered fish.

End Products:

- 1) Propagation technology and methodology
- 2) Bonytail for research and stocking
- 3) Maintain backup razorback brood populations for the Upper Colorado River Basin

V. Study area:

Utah Wahweap State Hatchery, Big Water, UT.

VI. Study Methods and Approach:

Conduct all tasks associated with the operation and maintenance of propagation facilities for endangered fishes such as pond culture, marking fish, maintaining records of pedigreed family lots, etc. First priority for Wahweap is to raise bonytail for stocking to meet Utah's stocking plan. The second priority is to maintain razorback sucker backup brood stock for the Upper Colorado River basin.

In FY 2020 a fiberglass raceway used for sorting fish and providing treatments for pathogens will be replaced with a permanent concrete raceway. The current outdoor fiberglass raceway had a short (5-year) useable lifespan due to extensive sun damage. The UDWR requested and was approved for an additional \$36,961 for the FY2020 period to replace the fiberglass raceway. Following that approval, the UDWR determined it was feasible and in the best long term interest of the facility to invest additional State funds (\$48,000) and a portion of the annual Wahweap maintenance budget (\$30,000) to build a permanent concrete raceway. This is a no-cost change to the scope of work and results in a long-term solution to fiberglass raceway use in harsh outdoor conditions.

Replacement of the raceway will ensure that bonytail can be treated for Asian tapeworm in properly aerated and less crowded conditions, which should reduce the likelihood of undue stress and mortality during sorting and treatment. The raceway may also provide the opportunity for implementation of flow-training techniques.

VII. Task Description and Schedule:

Tasks:

1. Rear bonytail, PIT-tag, stock, and submit PIT-tag data.
2. Maintain backup razorback sucker brood stock.
3. Replace 90 foot raceway used for fish sorting fish and pathogen treatments.

VIII. Deliverables and Due Dates by Fiscal Year:

FY-2020

Construct new sorting and pathogen treatment raceway: Winter 2019/20  
Photos (eg. bonytail diet study) submitted to I & E committee: 28 February 2020  
Program annual reports or annual updates to SLC for review: 15 September 2020  
PIT-tag Data finalized and submitted to database, HCP report finalized and submitted to PDO, annual reports finalized and submitted to PDO: November 2020

FY-2021

Photos submitted to I & E committee: 28 February 2021  
Program annual reports or annual updates to SLC for review: 15 September 2021  
PIT-tag Data finalized and submitted to database, HCP report finalized and submitted to PDO, annual reports finalized and submitted to PDO: November 2021

FY-2022

Field report article and photos submitted to I & E committee: 28 February 2022  
Program annual reports or annual updates to SLC for review: 15 September 2022  
PIT-tag Data finalized and submitted to database, HCP report finalized and submitted to PDO, annual reports finalized and submitted to PDO: November 2022

FY-2023

Photos submitted to I & E committee: 28 February 2023  
Program annual reports or annual updates to SLC for review: 15 September 2023  
PIT-tag Data finalized and submitted to database, HCP report finalized and submitted to PDO, annual reports finalized and submitted to PDO: November 2023

FY-2024

Photos submitted to I & E committee: 28 February 2024  
Program annual reports or annual updates to SLC for review: 15 September 2024

PIT-tag Data finalized and submitted to database, HCP report finalized and submitted to PDO, annual reports finalized and submitted to PDO: November 2024.

IX. Budget Summary:

Please see Non-Federal Grant Agreement Cost Estimating Tool Spreadsheet Budget Summary for more detailed information.

	<u>USBR</u>	<u>UDWR</u>
FY 2020:	\$ 284,629.11	\$ 45,771
FY 2021:	\$ 252,563.98	\$ 0
FY 2022:	\$ 257,557.75	\$ 0
FY 2023:	\$ 262,651.40	\$ 0
FY 2024:	\$ 267,846.94	\$ 0
<b>Total:</b>	<b>\$1,325,249.18</b>	<b>\$ 45,771</b>

X. Reviewers:

Wahweap SFH and Upper Colorado River Endangered Fish Recovery Program staff.

XI. References:

Upper Colorado River Endangered Fish Recovery Program - Integrated Stocking Plan Revision Committee. 2015. Revised Integrated Stocking Plan. Upper Colorado River Endangered Fish Recovery Program, Denver, Colorado.

**SUMMARY OF PROPOSED COSTS**

<b>Name of Servicing Agency:</b>	Utah Division of Wildlife Services
<b>Project Name:</b>	Project 29c Wahweap State Fish Hatchery Operations & Maintenance

	YEAR 1 (FY 2020)	YEAR 2 (FY2021)	YEAR 3 (FY 2022)	YEAR 4 (FY 2023)	YEAR 5 (FY 2024)	TOTAL
	10/1/2019	9/30/2020	10/1/2021	10/1/2022	10/1/2023	
	Through	Through	Through	Through	Through	
Enter the BEGINNING dates for each year ----->	9/29/2020	9/30/2021	9/30/2022	9/30/2023	9/29/2024	
Enter the ENDING dates for each year ----->						
<b>DIRECT LABOR AND FRINGE BENEFIT COSTS:</b>	<b>YEAR 1 (FY 2020)</b>	<b>YEAR 2 (FY2021)</b>	<b>YEAR 3 (FY 2022)</b>	<b>YEAR 4 (FY 2023)</b>	<b>YEAR 5 (FY 2024)</b>	<b>TOTAL</b>
Direct Labor - Hourly	\$ 118,740.58	\$ 121,115.39	\$ 123,537.70	\$ 126,008.45	\$ 128,528.62	\$ 617,930.75
Fringe Benefits - Hourly	\$ 43,818.36	\$ 44,694.73	\$ 45,588.62	\$ 46,500.40	\$ 47,430.41	\$ 228,032.52
Subtotal of Direct Labor & Fringe Benefits:	\$ 162,558.94	\$ 165,810.12	\$ 169,126.33	\$ 172,508.85	\$ 175,959.03	\$ 845,963.28
<b>OTHER DIRECT COSTS:</b>	<b>YEAR 1 (FY 2020)</b>	<b>YEAR 2 (FY2021)</b>	<b>YEAR 3 (FY 2022)</b>	<b>YEAR 4 (FY 2023)</b>	<b>YEAR 5 (FY 2024)</b>	<b>TOTAL</b>
Materials Supplies and Services	\$ 50,748.54	\$ 82,363.51	\$ 84,010.77	\$ 85,690.99	\$ 87,404.82	\$ 390,218.63
Travel Costs	\$ 4,360.63	\$ 4,390.34	\$ 4,420.65	\$ 4,451.56	\$ 4,483.09	\$ 22,106.28
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contractors	\$ 112,732.00	\$ -	\$ -	\$ -	\$ -	\$ 112,732.00
Subtotal of Other Direct Costs:	\$ 167,841.17	\$ 86,753.85	\$ 88,431.42	\$ 90,142.55	\$ 91,887.91	\$ 525,056.91
<b>INDIRECT/OVERHEAD COSTS:</b>	<b>YEAR 1 (FY 2020)</b>	<b>YEAR 2 (FY2021)</b>	<b>YEAR 3 (FY 2022)</b>	<b>YEAR 4 (FY 2023)</b>	<b>YEAR 5 (FY 2024)</b>	<b>TOTAL</b>
Subtotal of Labor and Other Direct Costs:	\$ 330,400.11	\$ 252,563.98	\$ 257,557.75	\$ 262,651.40	\$ 267,846.94	
Total dollars exempt from indirect/overhead base:	\$ -	\$ -	\$ -	\$ -	\$ -	
Indirect/Overhead not charged to UCRRP Programs	0.00% \$ -	0.00% \$ -	0.00% \$ -	#### \$ -	#### \$ -	\$ -
Total dollars exempt from indirect/overhead base:	\$ -	\$ -	\$ -	\$ -	\$ -	
Indirect/Overhead not charged to UCRRP Programs	0.00% \$ -	0.00% \$ -	0.00% \$ -	#### \$ -	#### \$ -	\$ -
Subtotal of Indirect/Overhead Costs:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

	FY 2020	FY 2021	FY 2022	FY2023	FY 2024	TOTAL
USBR Contribution	\$ 284,629.11	\$ 252,563.98	\$ 257,557.75	\$ 262,651.40	\$ 267,846.94	\$ 1,325,249.18
State of Utah Contribution	\$ 45,771.00	\$ -	\$ -	\$ -	\$ -	\$ 45,771.00
<b>GRAND TOTAL:</b>	<b>\$ 330,400.11</b>	<b>\$ 252,563.98</b>	<b>\$ 257,557.75</b>	<b>\$ 262,651.40</b>	<b>\$ 267,846.94</b>	<b>\$ 1,371,020.18</b>

**SUMMARY OF DIRECT LABOR & F**

Enter Escalation Rates ----->	Yr 2 Escalation Rate	2.00%
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Task #	Employee Name	Position Title	Current Hourly Rate	YEAR 1 (FY 2020)					YEAR 2 (FY2021)				
				10/1/2019		Through	9/29/2020		9/30/2020		Through	9/30/2021	
				# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost	# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost
1	Olsen, Zane C	Project Biologist III	\$ 23.90	1,842	\$ 23.90	\$ 44,030.25	40.00%	\$ 17,612.10	1,842	\$ 24.38	\$ 44,910.86	40.00%	\$17,964.34
2	Palsgrove, Ryan	Biologist II	\$ 19.19	1,712	\$ 19.19	\$ 32,849.44	40.00%	\$ 13,139.78	1,712	\$ 19.57	\$ 33,506.43	40.00%	\$13,402.57
3	Bunting, Ladd	Wildlife Specialist	\$ 16.12	2,026	\$ 16.12	\$ 32,666.21	40.00%	\$ 13,066.49	2,026	\$ 16.44	\$ 33,319.54	40.00%	\$13,327.81
4	Seasonal Tec.	Technician	\$ 12.56	732	\$ 12.56	\$ 9,194.67	0.00%	\$ -	732	\$ 12.81	\$ 9,378.57	0.00%	\$ -
5			\$ -	-	\$ -	\$ -	0.00%	\$ -	-	\$ -	\$ -	0.00%	\$ -
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				<b>6,312.57</b>		<b>\$ 118,740.58</b>		<b>\$ 43,818.36</b>	<b>6,312.57</b>		<b>\$ 121,115.39</b>		<b>\$44,694.73</b>

# SUMMARY OF DIRECT LABOR & F

Yr 3 Escalation Rate	2.00%
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Yr 4 Escalation Rate	2.00%
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	Task #	Employee Name	Position Title	Current Hourly Rate	YEAR 3 (FY 2022)					YEAR 4 (FY 2023)				
					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	Olsen, Zane C	Project Biologist III	\$ 23.90	1,842	\$ 24.87	\$ 45,809.08	40.00%	\$ 18,323.63	1,842	\$ 25.36	\$ 46,725.26	40.00%	\$ 18,690.10
2	1	Palsgrove, Ryan	Biologist II	\$ 19.19	1,712	\$ 19.97	\$ 34,176.56	40.00%	\$ 13,670.62	1,712	\$ 20.36	\$ 34,860.09	40.00%	\$ 13,944.04
3	1	Bunting, Ladd	Wildlife Specialist	\$ 16.12	2,026	\$ 16.77	\$ 33,985.93	40.00%	\$ 13,594.37	2,026	\$ 17.11	\$ 34,665.65	40.00%	\$ 13,866.26
4	1	Seasonal Tec.	Technician	\$ 12.56	732	\$ 13.07	\$ 9,566.14	0.00%	\$ -	732	\$ 13.33	\$ 9,757.46	0.00%	\$ -
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					<b>6,312.57</b>		<b>\$ 123,537.70</b>		<b>\$ 45,588.62</b>	<b>6,312.57</b>		<b>\$ 126,008.45</b>		<b>\$ 46,500.40</b>

# SUMMARY OF DIRECT LABOR & F

Yr 5 Escalation Rate	2.00%
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					YEAR 5 (FY 2024)					Total Salary Cost	Total Fringe Cost	Total Labor Cost
					10/1/2023	Through	9/29/2024					
Task #	Employee Name	Position Title	Current Hourly Rate		# of Hours	Hourly Rate	Salary Cost	Fringe Rate	Fringe Cost			
1	1	Olsen, Zane C	Project Biologist III	\$ 23.90	1,842	\$ 25.87	\$ 47,659.76	40.00%	\$ 19,063.90	\$ 229,135.20	\$ 91,654.08	\$ 320,789.29
2	1	Palsgrove, Ryan	Biologist II	\$ 19.19	1,712	\$ 20.77	\$ 35,557.29	40.00%	\$ 14,222.92	\$ 170,949.82	\$ 68,379.93	\$ 239,329.74
3	1	Bunting, Ladd	Wildlife Specialist	\$ 16.12	2,026	\$ 17.45	\$ 35,358.96	40.00%	\$ 14,143.58	\$ 169,996.28	\$ 67,998.51	\$ 237,994.80
4	1	Seasonal Tec.	Technician	\$ 12.56	732	\$ 13.60	\$ 9,952.61	0.00%	\$ -	\$ 47,849.45	\$ -	\$ 47,849.45
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31				\$ -	-	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
					<b>6,312.57</b>		<b>#####</b>		<b>\$ 47,430.41</b>	<b>\$ 617,930.75</b>	<b>#####</b>	<b>\$ 845,963.28</b>



# SUMMARY OF MATERIALS AND SUPPLIES

## SUMMARY OF MATERIALS, SUPPLIES, AND SERVICES

Yr 2 Escalation Rate	2.00%
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	Task #	Item Description	Rationale for Proposed Cost	YEAR 1 (FY 2020)			YEAR 2 (FY2021)		
				Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal
1	1	(2) 4x4 Truck Lease UDWR	Fleet Lease: \$274/Monthly x 12 Months	\$ 279.48	24	\$ 6,707.52	\$ 285.07	24	\$ 6,841.67
2	1	(2) 4x4 UDWR Truck Total M	Based on average annual milage plus scheduled stocking trips (15660 miles) and meetings (7404 miles)	\$ 0.36	23,064	\$ 8,303.04	\$ 0.37	23,064	\$ 8,469.10
3	1	Facility Utilities	Based on previous years billing and approved SOW under greement R14AP00007	\$ 18,023.89	1	\$ 18,023.89	\$ 18,384.37	1	\$ 18,384.37
4	1	Fish feed	Based on previous years billing and approved SOW under greement R14AP00007	\$ 7,907.04	1	\$ 7,907.04	\$ 8,065.18	1	\$ 8,065.18
5	1	Fish Health inspections	UDWR service provided State Pathologists	\$ 5,469.60	1	\$ 5,469.60	\$ 5,578.99	1	\$ 5,578.99
6	1	Facilities Maintenance	Based on previous years billing and approved SOW under greement R14AP00007. \$30,000 from FY20 moved to raceway build contract cost	\$ 4,337.45	1	\$ 4,337.45	\$ 35,024.20	1	\$ 35,024.20
7				\$ -	0	\$ -	\$ -	0	\$ -
8				\$ -	0	\$ -	\$ -	0	\$ -
9				\$ -	0	\$ -	\$ -	0	\$ -
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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	\$ -
29				\$ -	0	\$ -	\$ -	0	\$ -
30				\$ -	0	\$ -	\$ -	0	\$ -
<b>TOTAL:</b>						<b>\$ 50,748.54</b>			<b>\$ 82,363.51</b>

# SUMMARY OF MATERIALS AND SUPPLIES

<b>SUMMARY OF MATERI</b>	Yr 3 Escalation Rate	2.00%	Yr 4 Escalation Rate	2.00%
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			YEAR 3 (FY 2022)			YEAR 4 (FY 2023)		
Task #	Item Description	Unit Price	Unit Quantity	Subtotal	Unit Price	Unit Quantity	Subtotal	
1	1 (2) 4x4 Truck Lease UDWR M	\$ 290.77	24	\$ 6,978.50	\$ 296.59	24	\$ 7,118.07	
2	1 (2) 4x4 UDWR Truck Total M	\$ 0.37	23,064	\$ 8,638.48	\$ 0.38	23,064	\$ 8,811.25	
3	1 Facility Utilities	\$ 18,752.06	1	\$ 18,752.06	\$ 19,127.10	1	\$ 19,127.10	
4	1 Fish feed	\$ 8,226.48	1	\$ 8,226.48	\$ 8,391.01	1	\$ 8,391.01	
5	1 Fish Health inspections	\$ 5,690.57	1	\$ 5,690.57	\$ 5,804.38	1	\$ 5,804.38	
6	1 Facilities Maintenance	\$ 35,724.68	1	\$ 35,724.68	\$ 36,439.18	1	\$ 36,439.18	
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	\$ -	
29		\$ -	0	\$ -	\$ -	0	\$ -	
30		\$ -	0	\$ -	\$ -	0	\$ -	
				<b>\$ 84,010.77</b>			<b>\$ 85,690.99</b>	

# SUMMARY OF MATERIALS AND SUPPLIES

<b>SUMMARY OF MATERIALS</b>	Yr 5 Escalation Rate	2.00%
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		YEAR 5 (FY 2024)				
Task #	Item Description	Unit Price	Unit Quantity	Subtotal	TOTAL	
1	1 (2) 4x4 Truck Lease UDWR M	\$ 302.52	24	\$ 7,260.44	\$ 34,906.20	
2	1 (2) 4x4 UDWR Truck Total M	\$ 0.39	23,064	\$ 8,987.48	\$ 43,209.35	
3	1 Facility Utilities	\$ 19,509.64	1	\$ 19,509.64	\$ 93,797.06	
4	1 Fish feed	\$ 8,558.83	1	\$ 8,558.83	\$ 41,148.54	
5	1 Fish Health inspections	\$ 5,920.47	1	\$ 5,920.47	\$ 28,464.01	
6	1 Facilities Maintenance	\$ 37,167.96	1	\$ 37,167.96	\$ 148,693.47	
7		\$ -	0	\$ -	\$ -	
8		\$ -	0	\$ -	\$ -	
9		\$ -	0	\$ -	\$ -	
10		\$ -	0	\$ -	\$ -	
11		\$ -	0	\$ -	\$ -	
12		\$ -	0	\$ -	\$ -	
13		\$ -	0	\$ -	\$ -	
14		\$ -	0	\$ -	\$ -	
15		\$ -	0	\$ -	\$ -	
16		\$ -	0	\$ -	\$ -	
17		\$ -	0	\$ -	\$ -	
18		\$ -	0	\$ -	\$ -	
19		\$ -	0	\$ -	\$ -	
20		\$ -	0	\$ -	\$ -	
21		\$ -	0	\$ -	\$ -	
22		\$ -	0	\$ -	\$ -	
23		\$ -	0	\$ -	\$ -	
29		\$ -	0	\$ -	\$ -	
30		\$ -	0	\$ -	\$ -	
				<b>\$ 87,404.82</b>	<b>\$ 390,218.63</b>	

# SUMMARY OF TRAVEL COSTS

Cost Element	YEAR 1 (FY 2020)	YEAR 2 (FY2021)	YEAR 3 (FY 2022)	YEAR 4 (FY 2023)	YEAR 5 (FY 2024)	TOTAL
<b>Trip #</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	
<b>From-To</b>	Hatchery - Salt Lake City	Hatchery - Salt Lake City	Hatchery - Salt Lake City	Hatchery - Salt Lake City	Hatchery - Salt Lake City	
<b>Reason</b>	DWR Staff Meetings	DWR Staff Meetings	DWR Staff Meetings	DWR Staff Meetings	DWR Staff Meetings	
<b># of Days (include travel days)</b>	13	13	13	13	13	
<b>Airfare</b>	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>Lodging (Per Night)</b>	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	
<b>MI&amp;E Per Day</b>	\$ 38.76	\$ 39.54	\$ 40.33	\$ 41.13	\$ 41.96	
<b>Auto Rental Per Day</b>	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>Misc Costs/Adjustments/Trip</b>	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>Total Per Trip</b>	<b>\$ 1,324.50</b>	<b>\$ 1,334.19</b>	<b>\$ 1,344.07</b>	<b>\$ 1,354.16</b>	<b>\$ 1,364.44</b>	
<b>No. of persons</b>	1	1	1	1	1	
<b>Mileage rate</b>	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>Total miles</b>	0	0	0	0	0	
<b>SUBTOTAL =</b>	<b>\$ 1,324.50</b>	<b>\$ 1,334.19</b>	<b>\$ 1,344.07</b>	<b>\$ 1,354.16</b>	<b>\$ 1,364.44</b>	<b>\$ 6,721.36</b>

Cost Element	YEAR 1 (FY 2020)	YEAR 2 (FY2021)	YEAR 3 (FY 2022)	YEAR 4 (FY 2023)	YEAR 5 (FY 2024)	TOTAL
<b>Trip #</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	
<b>From-To</b>	Varied Stocking Locations	Varied Stocking Locations	Varied Stocking Locations	Varied Stocking Locations	Varied Stocking Locations	
<b>Reason</b>	Bonytail Stocking	Bonytail Stocking	Bonytail Stocking	Bonytail Stocking	Bonytail Stocking	
<b># of Days (include travel days)</b>	7	7	7	7	7	
<b>Airfare</b>	\$ -					
<b>Lodging (Per Night)</b>	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	
<b>MI&amp;E Per Day</b>	\$ 38.76	\$ 39.54	\$ 40.33	\$ 41.13	\$ 41.96	
<b>Auto Rental Per Day</b>	\$ -					
<b>Misc Costs/Adjustments/Trip</b>	\$ -					
<b>Total Per Trip</b>	<b>\$ 671.94</b>	<b>\$ 676.98</b>	<b>\$ 682.12</b>	<b>\$ 687.36</b>	<b>\$ 692.71</b>	
<b>No. of persons</b>	1	1	1	1	1	
<b>Mileage rate</b>	\$ -					
<b>Total miles</b>	0					
<b>SUBTOTAL =</b>	<b>\$ 671.94</b>	<b>\$ 676.98</b>	<b>\$ 682.12</b>	<b>\$ 687.36</b>	<b>\$ 692.71</b>	<b>\$ 3,411.11</b>

Cost Element	YEAR 1 (FY 2020)	YEAR 2 (FY2021)	YEAR 3 (FY 2022)	YEAR 4 (FY 2023)	YEAR 5 (FY 2024)	TOTAL
<b>Trip #</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	
<b>From-To</b>	Wahweap - Las Vegas	Wahweap - Las Vegas	Wahweap - Las Vegas	Wahweap - Las Vegas	Wahweap - Las Vegas	
<b>Reason</b>	CO River Water Users Mtg	CO River Water Users Mtg	CO River Water Users Mtg	CO River Water Users Mtg	CO River Water Users Mtg	
<b># of Days (include travel days)</b>	4	4	4	4	4	
<b>Airfare</b>						
<b>Lodging (Per Night)</b>	\$ 165.00	\$ 165.00	\$ 165.00	\$ 165.00	\$ 165.00	
<b>MI&amp;E Per Day</b>	\$ 47.94	\$ 48.90	\$ 49.88	\$ 50.87	\$ 51.89	
<b>Auto Rental Per Day</b>	\$ -					
<b>Misc Costs/Adjustments/Trip</b>	\$ -					
<b>Total Per Trip</b>	\$ 662.79	\$ 666.15	\$ 669.57	\$ 673.06	\$ 676.62	
<b>No. of persons</b>	1	1	1	1	1	
<b>Mileage rate</b>	\$ -					
<b>Total miles</b>	0					
<b>SUBTOTAL =</b>	\$ 662.79	\$ 666.15	\$ 669.57	\$ 673.06	\$ 676.62	\$ 3,348.19

Cost Element	YEAR 1 (FY 2020)	YEAR 2 (FY2021)	YEAR 3 (FY 2022)	YEAR 4 (FY 2023)	YEAR 5 (FY 2024)	TOTAL
<b>Trip #</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	
<b>From-To</b>	Wahweap - Vernal	Wahweap - Vernal	Wahweap - Vernal	Wahweap - Vernal	Wahweap - Vernal	
<b>Reason</b>	Utah Water Users Mtg	Utah Water Users Mtg	Utah Water Users Mtg	Utah Water Users Mtg	Utah Water Users Mtg	
<b># of Days (include travel days)</b>	3	3	3	3	3	
<b>Airfare</b>	\$ -					
<b>Lodging (Per Night)</b>	\$ 140.00	\$ 140.00	\$ 140.00	\$ 140.00	\$ 140.00	
<b>MI&amp;E Per Day</b>	\$ 38.76	\$ 39.54	\$ 40.33	\$ 41.13	\$ 41.96	
<b>Auto Rental Per Day</b>	\$ -					
<b>Misc Costs/Adjustments/Trip</b>	\$ -					
<b>Total Per Trip</b>	\$ 376.90	\$ 378.84	\$ 380.81	\$ 382.83	\$ 384.89	
<b>No. of persons</b>	1	1	1	1	1	
<b>Mileage rate</b>	\$ -					
<b>Total miles</b>	0					
<b>SUBTOTAL =</b>	\$ 376.90	\$ 378.84	\$ 380.81	\$ 382.83	\$ 384.89	\$ 1,904.27

<b>Cost Element</b>	<b>YEAR 1 (FY 2020)</b>	<b>YEAR 2 (FY2021)</b>	<b>YEAR 3 (FY 2022)</b>	<b>YEAR 4 (FY 2023)</b>	<b>YEAR 5 (FY 2024)</b>	<b>TOTAL</b>
<b>Trip #</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	
<b>From-To</b>	Wahweap - Moab	Wahweap - Moab	Wahweap - Moab	Wahweap - Moab	Wahweap - Moab	
<b>Reason</b>	Recovery Program Meetings	Recovery Program Meetings	Recovery Program Meetings	Recovery Program Meetings	Recovery Program Meetings	
<b># of Days (include travel days)</b>	13	13	13	13	13	
<b>Airfare</b>						
<b>Lodging (Per Night)</b>	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	
<b>MI&amp;E Per Day</b>	\$ 38.76	\$ 39.54	\$ 40.33	\$ 41.13	\$ 41.96	
<b>Auto Rental Per Day</b>						
<b>Misc Costs/Adjustments/Trip</b>						
<b>Total Per Trip</b>	<b>\$ 1,324.50</b>	<b>\$ 1,334.19</b>	<b>\$ 1,344.07</b>	<b>\$ 1,354.16</b>	<b>\$ 1,364.44</b>	
<b>No. of persons</b>	1	1	1	1	1	
<b>Mileage rate</b>						
<b>Total miles</b>						
<b>SUBTOTAL =</b>	<b>\$ 1,324.50</b>	<b>\$ 1,334.19</b>	<b>\$ 1,344.07</b>	<b>\$ 1,354.16</b>	<b>\$ 1,364.44</b>	<b>\$ 6,721.36</b>

# SUMMARY OF CONTRACTOR COSTS

	<b>Contractor:</b>	<b>Contractor Website:</b>	<b>Purpose:</b>	<b>Competitive Award?</b>
<b>1</b>	Brown Brother's Construction		Task (3) Replace short lifespan fiberglass raceway with permanent concrete raceway. See bid under Misc tab.	Yes
<b>2</b>				
<b>3</b>				
<b>4</b>				
<b>5</b>				
				<b>TOTAL =</b>

YEAR 1 (FY 2020)	YEAR 2 (FY2021)	YEAR 3 (FY 2022)	YEAR 4 (FY 2023)	YEAR 5 (FY 2024)	TOTAL
\$ 112,732.00	\$ -	\$ -	\$ -	\$ -	\$ 112,732.00
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 112,732.00	\$ -	\$ -	\$ -	\$ -	\$ 112,732.00



Use this space for any justifications or other items that do not fit any where else.

Copy of winning bid for raceway build



90 North 200 East, P.O. Box 249  
Loa, Utah 84747  
(435) 836-2685 - Office

<b>BIG WATER FISH HATCHERY - RACEWAY</b>			
<b>ITEM NO.</b>	<b>QNTY</b>	<b>UNIT</b>	<b>ITEM DESCRIPTION</b>
1	1	LPSM	MOBILIZATION & DEMOBILIZATION
7	250	CY	EXCAVATION
8	30	CY	FREE DRAINING STRUCTURAL FILL
9	102	CY	RACEWAY SYSTEM - CONCRETE MATERIAL
10	10500	SF	RACEWAY SYSTEM - REINFORCEMENT MATERIAL
14	1	LPSM	*MISC RACEWAY PIPING, VALVES, TIE-INS, ETC.
<i>This is a partial quote on the raceway project. Brown Brothers will only be responsible for the items listed below.</i>			
<i>*A 10% contingency will apply to this line item due to the unspecified materials that may be required.</i>			

Proposal Date: September 11, 2019

Submitted To: Zane Olsen

From: Ellis Brown  
(435) 691-2403

<b>VAY</b>		
	<b>UNIT PRICE</b>	<b>AMOUNT</b>
	12,000.00	\$ 12,000.00
	15.00	\$ 3,750.00
	25.00	\$ 750.00
	741.00	\$ 75,582.00
	0.40	\$ 4,200.00
	16,450.00	\$ 16,450.00
<i>sible for the items listed above.</i>		
<i>needed.</i>		
	<b>TOTAL</b>	<b>\$ 112,732.00</b>