



# R & E Grant Application 15-17 Biennium

Project #: 15-021

## *Auto Fish Dual Sorter Upgrade #2*

### ***Project Information***

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Requested Cycle: 15-2  
R&E Project Request:  
Other Funding:  
Total Project:  
Spending Start Date: 8/10/2015  
Spending End Date: 6/30/2017  
Project Start Date: 8/10/2015  
Project End Date: 6/30/2017  
Organization: Fish Identification

### ***Applicant Information***

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Name: Trevor Clark  
Email: trevor.r.clark@state.or.us

### ***Past Recommended or Completed Projects***

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This applicant has no previous projects that match criteria.

## **Location Information**

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### **Where is it?**

The project will occur Statewide

## **Project Summary**

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### **Project Summary**

*Please provide a couple sentence summary of the proposal.*

Improving the efficiency of the tagging and marking trailers will decrease the cost and duration of marking projects and allow more fish to be marked statewide.

### **Overall Project Goals**

*Describe the primary goals or outcomes of the entire project, including elements not requesting funding from R&E.*

To Improve the accuracy, inventory and speed of ODFW Autofish marking operations.

### **Primary objectives of R&E funding**

*Please describe the measurable objectives for the R&E portion of the funding request.*

To install a dual sorter system in our second and last Autofish trailer

Add three automated counter systems in three of our Autofish trailers.

### **Current Situation/Justification**

*Please describe the current situation and explain why this funding is needed.*

We currently have one final Autofish trailer that has a single sorting systems. The sorters separate fish by size to the processing lines that clip and tag each fish. Each processing line is set up by the supervisor to accept different size fish that the sorter has separated. Currently the dual channel trailer can process about 70 thousand fish per 8 hr shift while the single channel trailer can only process about 40 thousand per shift, a 40% difference between the two. Idaho Fish and Game has installed dual channel sorters in many of their trailers and has had a significant production increase of 20-50% through each of its trailers. The addition of a dual channel sorter will allow us to process more fish per day which in turn will save the agency time and money of which the later could be used for other recreational or enhancement projects. We should know by the next R&E meeting if the Dual sorter that we installed in the 5A2 was worth the investment.

### **Recreation and Commercial Benefit**

*This project will provide benefits to:*

Recreational fisheries

Commercial fisheries

*Explain how this project will contribute to current (and/or potential) fishing opportunities, access, or fisheries management.*

Processing fish through AutoFish trailers results in better adipose fin clips and

coded wire tag quality than processing each individual fish by hand. Higher accuracy of each will allow more fish to be harvested in fisheries and allow biologist to use the coded wire tag data to regulate fisheries. The Autofish trailers also have superior inventory accuracy compared to manual marking.

In 2008, Fish Stock Identification marked and/or tagged 31,859,932 fish at ODFW facilities. At that time, only 38% of the fish were marked with the AutoFish Marking trailer while 62% were marked manually by hand. In 2013, 40,274,778 fish were marked of which 62% were processed by the AutoFish Marking trailer. We would like to continue this upward trend of marking more fish with AutoFish Marking trailers.

*Percent benefit split between Commercial and Recreational anglers:*

*Please explain, or justify, how the percentage split was determined:*

*This project has been identified as an ODFW priority for:*  
Statewide

*Does this project directly support implementation of the ODFW Strategic Plan and/or current Fish Division priorities?*

*Please briefly explain when this was identified as a priority and what process or workgroup was used to identified this as an ODFW priority.*

*Identify any plan or other document that identifies this priority.*

*Is this project part of an approved Salmon-Trout Enhancement Program (STEP) activity?*  
No

*This project is intended to benefit the following species:*

Fall Chinook Salmon  
Spring Chinook Salmon  
Coho Chinook Salmon  
Winter Steelhead  
Summer Steelhead  
Rainbow Trout

*This project will benefit anglers or fishery by providing:*  
Angling Opportunity

### Angling Opportunity

*This project will:*

Improve the opportunity for anglers to catch fish (better stocked fish, trapping)  
Provide new opportunity for anglers to catch fish (new pond, more fish to stock more areas, new species)  
Enhance natural production of fish stocks to levels that allow for recreational fishing opportunities  
ODFW Biologists use our numbers to determine the best course of action when assessing fish populations, including enhancement in harvest opportunities while supporting conservation of native fish.

## ***Project Description***

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### ***Schedule***

Activity	Date	RE Funding
Send Out bid request	1- 1 - 2015	No
Send trailer to Northwest Marine Technologies at end of season.	11- 1 - 2015	Yes
Put trailer back into service.	3 - 1 - 2016	No

### ***Permits***

Permit	Secured?	Date Expected
NA	No	

### ***Project Design and Description***

*Please describe in detail the methods or approach that will be used to achieve the project objectives.*

NMT dual sorter Systems

- 1) Ordering dual sorter Systems and automated counter from Northwest Marine Technologies.
- 2) Coordinating the designated trailer for the installation of the new sorter system, then send it to NMT
- 3) NMT is the company that dose the installation and inspection of the new sorter systems.

### ***Engineering***

*Does the project involve capital improvement, engineering, site grading or other construction?*

No

### ***Project Management and Maintenance***

*What is the life expectancy of R&E funded construction, structures, equipment, supplies, data or fishery?*

All systems have a life span but it should be many years before this sorter needs replacement. The 5A1, ODFW's first Auto trailer, it was first put into service in the late 1980's, it was not until this year that we upgraded that trailer.

*Who is responsible for long term management, maintenance, and oversight of the project beyond what is funded by R&E.*

Fish ID Staff:

The dual channel sorter has a Weekly scheduled maintenance plan that will be performed by the operator of the trailer. There is also preventive maintenance program during the off season. The automated counters are very maintenance free.

*Will the project require ongoing maintenance?*

Yes

Monitoring of the dual sorter will be done continuously throughout the day whenever the Autofish trailer is running because it is such a vital and important piece of equipment.

*Is there a plan to collect baseline data and to conduct monitoring efforts to measure the effectiveness of the project?*

No

## ***Project Funding***

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### ***Funding***

Have you applied for OWEB funding for this project?  
No

Has this proposal, or similar proposal for this project location, previously been denied by OWEB or other funding source?

[{"source":"Fish Identification","type":"In-Kind","secured":"Secured","dollarValue":"15000","comments":""}, {"source":"Northwest Marine Technologies Credit","type":"Other","secured":"Pending","dollarValue":"48750","comments":"The dual Marking System costs \$96,250, Northwest Marine Technologies has stated that parts from existing sorter can be used to build the new sorter. This brings the cost down by 50%."}, {"source":"R&E Request","type":"Cash","secured":"Pending","dollarValue":"44900","comments":"This is the cost of one dual sorter and three automated counters."}]

Other Funding Source	Type	Secured	Dollar Value	Comments
Fish Identification	In-Kind	Secured	15000	
Northwest Marine Technologies Credit	Other	Pending	48750	The dual Marking System costs \$96,250, Northwest Marine Technologies has stated that parts from existing sorter can be used to build the new sorter. This brings the cost down by 50%.
R&E Request	Cash	Pending	44900	This is the cost of one dual sorter and three automated counters.
		Total	108650	

## Budget

Item	Unit Number	Unit Cost	In-kind or non-cash contributions	Funding from other sources	R&E Funds	Total Costs
PROJECT MANAGEMENT						
			0	0	0	0
		SUBTOTAL	0	0	0	0
IN-HOUSE PERSONNEL						
			0	0	0	0
		SUBTOTAL	0	0	0	0
CONTRACTED SERVICES						
			0	0	0	0
		SUBTOTAL	0	0	0	0
TRAVEL						
			0	0	0	0
		SUBTOTAL	0	0	0	0
SUPPLIES/MATERIALS						
			0	0	0	0
		SUBTOTAL	0	0	0	0
EDUCATION/OUTREACH						
			0	0	0	0
		SUBTOTAL	0	0	0	0
EQUIPMENT						
Dual Sorter Upgrade + 3 Automated Counters	0	0.00	15000	48750	44900	108650
		SUBTOTAL	15000	48750	44900	108650
FISCAL ADMINISTRATION						
			0	0	0	0
		SUBTOTAL	0	0	0	0
		BUDGET TOTAL	15000	48750	44900	108650



## ***Project Map***

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Project map is not defined.

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## ***Additional Files***

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Budget Information

Maps

Photos

Design Information

Management Plans and Supporting Documents

Permits and Reviews

Partnerships

Public Comment

Administrative Documents

## ***Completion Report***

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### ***Objectives and Accomplishments***

This project is missing required information.