



R & E Grant Application 07-09 Biennium

Project #:
07-094

4 H Center Pond Aerator

Project Information

R&E Project Request: \$1,515.00
Match Funding: \$550.00
Total Project: \$2,065.00
Start Date: 5/10/2008
End Date: 6/30/2009
Project Email: Karen.M.Hans@state.or.us
Project Biennium: 07-09 Biennium
Organization: 4 H Center (Tax ID #: 03-0593965)

Fiscal Officer

Name: Randy Russell
Address: 5390 4-H Road NW
Salem, OR 97304
Telephone: 503-371-7920
Fax: 503-581-6696
Email: oregon4hcenter@proaxis.com

Technical Contact

Name: Karen Hans
Address: 7118 NE Vandenberg Ave NE
Corvallis, OR 97330
Telephone: 541-757-4186 x251
Fax: 541-757-4252
Email: Karen.M.Hans@state.or.us

Applicant Information

Name: Randy Russell
Address: 5390 4-H Road NW
Salem, OR 97304
Telephone: 503-371-7920
Fax: 503-581-6696
Email: oregon4hcenter@proaxis.com

Past Recommended or Completed Projects

This applicant has no previous projects that match criteria.

Project Summary

Activity Type:	Miscellaneous (Enhancement)
Summary:	Grant funds will be used to purchase a windmill driven aerator for Pagoda Pond at the 4H Center.
Objectives:	The windmill will provide extra oxygen and circulation to help maintain water quality in Pagoda Pond during the late summer and early fall months.
Fishery Benefits:	With assistance from ODFW, the Senior Fishing Buddies, and Northwest

This project is NOT part of ODFW's 25 Year Angling Plan.

Steelheaders, the 4H Center hosts catch and release fishing sessions at outdoor schools and summer camps through out the year. The 4H Center also provides fishing poles for after hours activities during outdoor schools and summer camps.

Watershed Benefits: During the late summer and early fall, the water quality in Pagoda Pond is limited by a lack of fresh water input and warm temperatures. An aerator will help add Oxygen to the water and circulate cooler water up to the pond surface.

Current Situation: Pagoda Pond is spring fed, about one surface acre, and about 10 to 15 feet deep. It has some aquatic vegetation, but staff clears excess plants a couple times a year to keep fishing areas open. There are three fishing platform/dock structures plus a fishing area on a small island and a trail around the entire pond. There is no electricity to the pond.

Legal size trout have been stocked in the pond through the Youth Angling Enhancement Program. STEP fry from local schools are released in Pagoda Pond each spring and some of these fish have survived to catchable size. In the late summer and early fall when fresh water intake into the pond is limited, the water quality in the pond becomes less than ideal for trout. Although some fish do survive, conditions are stressful for the fish.

Alternatives: We considered a solar unit but decided a windmill is more suitable because the wind will blow in the night time and provide aeration after solar power is not available.

Designer: Assembly instructions will be provided with the windmill and tower unit

Methods: Malibu Waters web page provides detail information on the windmill aeration system.

Inspector: Karen Hans, ODFW STEP Biologist

Funding Elements: R&E funds will be used to purchase the windmill and tower unit and pay for shipping.

Partners: Yes

Oregon Department of Fish and Wildlife STEP - staff time to coordinate project and assemble windmill and tower.
Northwest Steelheads Albany Chapter - volunteer time to help assemble windmill and tower.

Existing Plan: No

Affected Contacted: Yes

Affected Supportive: Yes

Project Schedule/Participants/Funding

This project has no Schedule/Participants/Funding.

Affected Species:

Rainbow Trout
Warmwater

Project Permits

This project has no permits.

Project Monitoring

This project has no monitoring.

Project Maintenance

Organization	Address	Activity	Frequency
4H Center	5390 4-H Road NW Salem, OR 97304	routine maintance	when needed

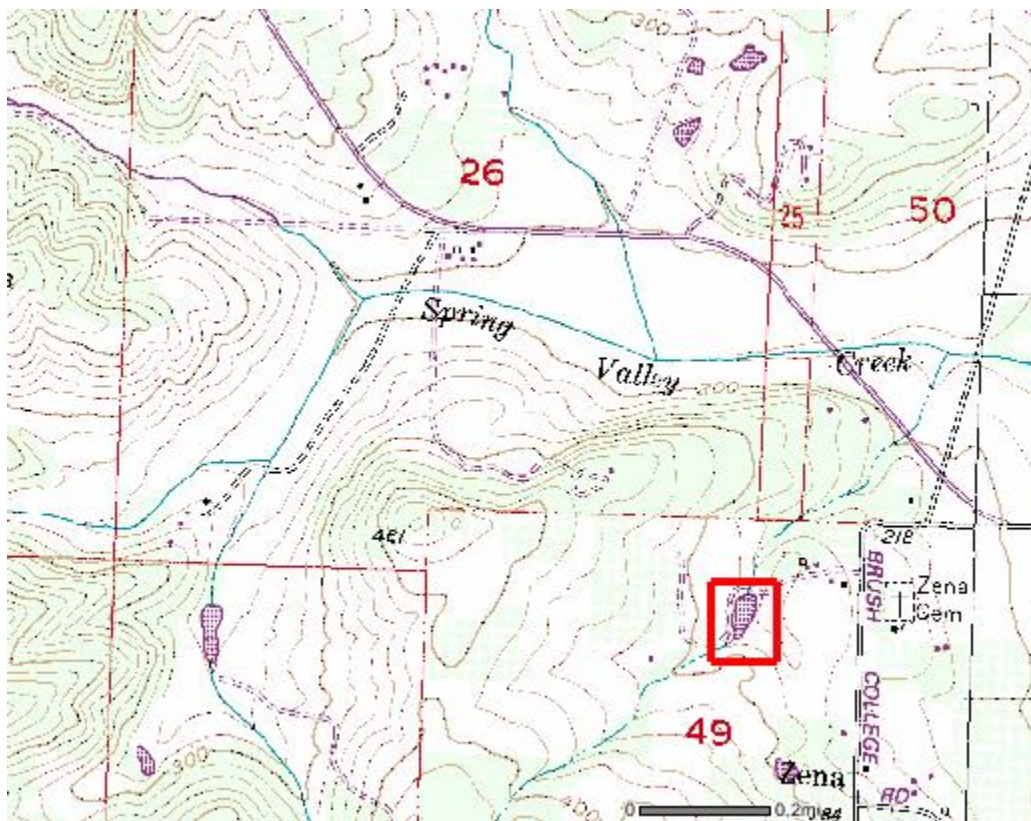
Project Match Funding

Funding Source	Cash	In-Kind	Other	Description	Total	Secured?	Conditions?	Comments
R&E Request	\$1,515.00	\$0.00	\$0.00		\$1,515.00	No	No	
4 H Center	\$0.00	\$200.00	\$0.00		\$200.00	Yes	No	
ODFW	\$0.00	\$200.00	\$0.00		\$200.00	Yes	No	
NW Steelheaders	\$0.00	\$150.00	\$0.00		\$150.00	Yes	No	
				Total Match Funding:	\$2,065.00			

Project Budget

Item	Item Type	Units	Unit Cost	R&E Funds	Match Funds	Total
4 H Center staff time	Administration	8	\$25.00	\$0.00	\$200.00	\$200.00
NW Steelheaders volunteer time	Administration	8	\$18.75	\$0.00	\$150.00	\$150.00
ODFW staff time	Administration	8	\$25.00	\$0.00	\$200.00	\$200.00
shipping	Equipment	1	\$220.00	\$220.00	\$0.00	\$220.00
Windmill	Equipment	1	\$1,295.00	\$1,295.00	\$0.00	\$1,295.00
					Total Budget:	\$2,065.00

Project Map



Additional Files

Click a link to view that particular file.

[4H Center windmill specs 2](#)

[4H letter of support for windmill](#)

[4H letter of support ODFW](#)

[501c3 letter](#)

[signature page 4H](#)