



R & E Grant Application 13 Biennium

Project #:
13-081

Sport Fishing Mobile App: Regulation and Mapping

Project Information

R&E Project Request: \$25,200.00
Match Funding: \$245,840.00
Total Project: \$271,040.00
Start Date: 7/1/2014
End Date: 6/30/2015
Project Email: david.w.lane@state.or.us
Project Biennium: 13 Biennium
Organization: Oregon Department of Fish and Wildlife

Applicant Information

Name: David Lane
Address: 3406 Cherry Ave. NE
Salem, OR 97303
Telephone: 503-947-6013
Email: david.w.lane@state.or.us

Past Recommended or Completed Projects

Number	Name	Status
11-085	Print Revised Easy Angling Oregon	Approved
11-135	Fish Map Spatial Data Development	Approved

Project Summary

This project is part of ODFW's 25 Year Angling Plan.

Activity Type: Education

Summary: ODFW has been working with a contractor to design and develop a mobile application (app) that will allow users to access angling regulations based on their geographic location or through a search function. Additionally, information such as angling access locations, trout stocking areas, hatchery information, angling zones, educational materials, fish species identification, state fish records, and other public service announcements will be included in the app. Users will be able to access the app on their mobile devices or personal computers. This app will provide anglers with real time regulations in user friendly format. It will aid in increased angling participation by promoting and easily identifying available and diverse opportunities across the state. This app will help increase understanding of Oregon's complex regulations, improve customer service and will assist in the department's effort to recruit and retain anglers.

During the initial phase of this project, regulatory spatial data was created. Due to this effort GIS data now exists for each inland waterbody (lakes, rivers and tributaries) that has an associated special regulation. For areas that do not have specific special regulations, angling zone boundary data is used. In the beta version of the app the majority of inland waters are available. There are three components that still need to be resolved and developed. The first is the recreational marine spatial data. Due to the complexity of the marine regulations, there needs to be further design and development of the data. Secondly, the locations of special regulations that occur within a portion of a river segment (e.g. special regulation “water”) and regulations that overlap river segments need further development and refinement. Lastly, non-regulation features (e.g. harvest card locations, health advisory areas) need to be incorporated so that anglers are aware of these locations.

In order to complete this project, ODFW is seeking funding to utilize the technical expertise of the ODFW Geographic Information Systems (GIS) section to develop the data for inclusion in the app. Additionally, as we continue to test and receive public feedback on the current version of the app, we will need the GIS expertise to make improvements to the functionality of the current version and advise the contractor staff to resolve any technical issues and provide additional data.

Objectives:	The objective of this project is to integrate existing GIS data into the app so that each angling regulation location is readily accessible and understandable to Oregon anglers.
Fishery Benefits:	Oregon's angling regulations are complicated. By completing the development of the proposed fishing map application, ODFW will have a tool to help current and future anglers get real time regulations in a user-friendly format and fashion. It will aid in increased angling participation by promoting and easily identifying available and diverse opportunities across the state. This app will help increase understanding of Oregon's complex regulations, improve customer service and will assist in the department's effort to recruit and retain anglers.
Watershed Benefits:	N/A
Current Situation:	The GIS data that have been developed and integrated into the app to date does not include all of the areas that are referenced within the angling regulations. Specifically, the data that associated with the Marine areas and further refinement of the complex inland waters needs to be completed.
Alternatives:	An alternative was considered to hire a contractor to complete the integration of the spatial data into the app. However, since ODFW needs to steward these data to ensure accurate and timely representation of regulation related locations it was determined that developing and maintaining the data within ODFW is most prudent.
Designer:	Project is being designed by ODFW's GIS section.
Methods:	ODFW GIS staff will use ESRI ArcGIS software to develop the GIS data that represent the features described in the Sport Fishing Regulation booklet. Spatial data will be manipulated to build a single layer for representing areas that are associated with only portions of special regulation waters. Marine regulation features will be manipulated to address overlapping locations so they can be represented as simply as possible within the app. Data will be converted to web / mobile formats to ensure that app performance standards are met to ensure fast download times and functionality.

Inspector: ODFW's GIS section, ODFW Fish Division, Oregon State Police

Funding Elements: GIS Coordinator (ISS6) - . Lead data development, conversion, integration; incorporate district input, coordinate with app contractor, and automating the flow of data to the contractor. 420 hours

Partners: Yes

Oregon Department of Fish and Wildlife – staff from the Recreational Fisheries Program and the Information and Education Department- they will offer input and guidance to ensure that the fishing regulations and the user experience will be easy to use and to understand.

Oregon State Police - they will offer guidance to make sure the application does not confuse or construe the regulations in a manner insufficient for enforcement

Contractor - Parks By Nature is the contractor that is developing the application, its database and content management system.

Existing Plan: No

Affected Contacted: No

Affected Supportive: No

Project Schedule/Participants/Funding

Activity	Date	Participants
Integration of Freshwater Subfeatures and Superfeatures	9/12/2014	GIS
Integration of Marine Features and Subfeatures	9/30/2014	GIS
Integration of Non-Regulation Related Features	10/10/2014	GIS
Technical Coordination with Agency Staff / App Testers and Contractor August 2014 - October 2014	10/31/2014	GIS
Implement Spatial Data Refinements Identified During Testing October 1-31 2014	10/31/2014	GIS
Automate Data Conversion / Exchange with Contractor. Deliver updated data. Oct 1 Nov 14, 2014.	11/14/2014	GIS
Spatial Data Application Support November 2014 - June 2015	6/30/2015	GIS

Affected Species: ALL

Project Permits

This project has no permits.

Project Monitoring

Organization	Address	Activity	Frequency
Oregon Department of Fish and Wildlife	4034 Fairview Industrial Drive Salem, OR 97302	Reviewing data collection	weekly

Project Maintenance

Organization	Address	Activity	Frequency
Oregon Department of Fish and Wildlife	4034 Farivew Industrial Drive Salem, OR 97302	Maintain validity and reliability of data	weekly

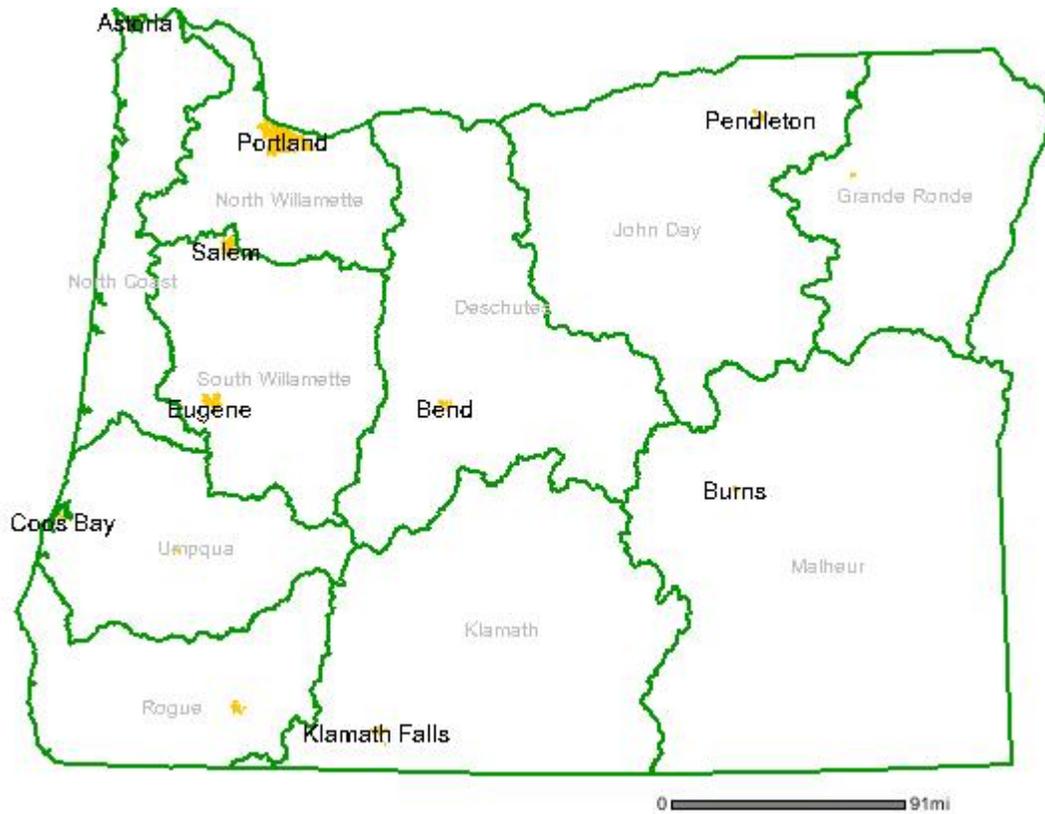
Project Match Funding

Funding Source	Cash	In-Kind	Other	Description	Total	Secured?	Conditions?	Comments
R&E Request	\$25,200.00	\$0.00	\$0.00		\$25,200.00	No	Yes	
Oregon Department of Fish and Wildlife	\$15,840.00	\$0.00	\$0.00		\$15,840.00	Yes	No	
Oregon Department of Fish and Wildlife	\$0.00	\$5,000.00	\$0.00		\$5,000.00	Yes	No	
Park By Nature	\$0.00	\$225,000.00	\$0.00	Contractor developing the app, its database and content management system	\$225,000.00	Yes	No	
				Total Match Funding:	\$271,040.00			

Project Budget

Item	Item Type	Units	Unit Cost	R&E Funds	Match Funds	Total
Fish Division and I&E Coordination and Review	Administration	1	\$5,000.00	\$0.00	\$5,000.00	\$5,000.00
Park by Nature - App development and design	Contracted Services	1	\$225,000.00	\$0.00	\$225,000.00	\$225,000.00
Data refinements, integration, conversion, support	Personnel	420	\$60.00	\$25,200.00	\$0.00	\$25,200.00
Spatial Data Development and Coordination	Personnel	264	\$60.00	\$0.00	\$15,840.00	\$15,840.00
					Total Budget:	\$271,040.00

Project Map



Additional Files

Click a link to view that particular file.

[Signature Page](#)

Applicant Signature Page
Fish Restoration and Enhancement Program
(Oregon Department of Fish and Wildlife Applicants)

I hereby make an application for financial assistance under the terms and conditions of the Fish Restoration and Enhancement Program as described in my project application. I acknowledge that:

- This proposal is an identified priority at the district, region, and/or state level and has been identified as such in the application (**check box** for appropriate level).
- This proposal is consistent with any applicable goals, policies, rules, species or basin management plans adopted by the F&W Commission and this has been explained in the application.
- This proposal will not be used to cover, back fill, or fund shift elements that have been cut or defunded as part of agency budget reductions. Approved deferred maintenance or projects with division approval are exceptions.

I understand that if my project proposal is approved for Restoration and Enhancement (R&E) Program funding, the following will apply:

- Applicants must sign an agreement containing the terms and conditions for the project implementation, release of funds, and documentation of completion. Non-compliance may impact future funding opportunities.
- The R&E Program will not pay for expenses which occur before the approved start date or after the end date.
- Funding is available one biennium only without prior authorization by the R&E Board.
- Applicant agrees to notify the R&E Program of all funds not needed for the project upon determination.
- Any inappropriate expenses using R&E funds will be corrected by the applicant immediately. By the close of the biennium any expenses exceeding, or not identified in, the grant approval will be reverted to a local cost code.
- Copies of all landowner, monitoring and maintenance agreements must be submitted to the R&E Program.
- Educational products resulting from projects are public domain.
- Information collected is subject to Oregon Public Records Law.
- As applicable, the project will be consistent with all federal, state, and local regulations, including the State Land Use Planning Goals & Local Land Use Plans, prior to any on the ground work.

By signing this application, I certify to the best of my knowledge that the information contained in the application are true, complete and accurate. If awarded funding the applicant agrees to follow all terms and conditions outlined in the agreement.

Project Title: Sport Fishing Mobile Application/Regulation and Mapping Design

Applicant Name: DAVE LANE Title: Statewide Marketing Coordinator

Applicant Signature:  Date: 4/4/14

Manager Certification:

To be completed by Watershed Manger, Hatchery Coordinator, Program Manager, or higher level manager.

- I concur with the statements above and the applicant has permission to request these funds.

Manger Name: Roger Fuhrman Title: Administrator I+E

Manager Signature:  Date: 4/4/14