



# R & E Grant Application 13-15 Biennium

Project #:  
13-016

## *Ana Reservoir Hybrid Bass Supplementation*

### ***Project Information***

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**R&E Project Request:** \$1,300.00  
**Match Funding:** \$932.50  
**Total Project:** \$2,232.50  
**Start Date:** 7/1/2013  
**End Date:** 6/15/2015  
**Project Email:** terry.m.shrader@state.or.us  
**Project Biennium:** 13-15 Biennium  
**Organization:** ODFW- High Desert Region - Bend Office

### ***Applicant Information***

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**Name:** Terry Shrader  
**Address:** 61374 Parrell Rd  
Bend, OR 97702  
**Fax:** 541-388-6281  
**Email:** terry.m.shrader@state.or.us

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

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This applicant has no previous projects that match criteria.

### ***Project Summary***

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

**Activity Type:** Liberation - ODFW

**Summary:** The hybrid bass program, which began in 1082, is unique to Ana Reservoir. The current state record hybrid bass of over 18.5 pounds was caught at Ana in 2009. Because these hybrid bass are sterile, the fishery, which is popular with residents of Lake and Klamath counties, must be supported by alternate-year stocking of fingerlings purchased from an out-of-state source. Incidents in the past have shown that anglers quickly detect changes in fishery when circumstances have interfered with our ability to follow our stocking schedule.

**Objectives:** The white bass X striped bass hybrid fishery is supported by alternate year stocking of 2,000 fingerlings purchased by the Warmwater Fisheries Program. The next scheduled stocking is planned for October 2013. This grant would cover a temporary shortfall in program funding created by budget cuts and unforeseen statutorily-required funding for monitoring of the program's tiger muskellunge introduction.

|                            |   |
|----------------------------|---|
| <b>Fishery Benefits:</b>   | This stocking program provides a popular reservoir fishery in an area of the state that has limited standing water recreational fishing opportunities. Although anglers pursue these fish throughout the year, the peak of the fishery by local anglers occurs during the winter when most other area lakes or reservoirs are frozen over.  |
| <b>Watershed Benefits:</b> | The hybrid bass fishery provides an extremely unique trophy fishery for area residents. Additionally, the hybrid bass prey heavily upon the tui chub present in the reservoir, lowering their density, and subsequently increasing the success of the hatchery rainbow trout program at the reservoir by decreasing inter-specific competitive pressure.  |
| <b>Current Situation:</b>  | The hybrid bass fishery provides an important recreational opportunity to residents and businesses in the small communities in this area of eastern Oregon. ODFW's Warmwater Program has provided funds used to purchase fingerling bass since the initial stocking in 1982; the hybrid bass stocking program has been included in the Ana Reservoir Fisheries Management Plan. The tui chub prey base has recently recovered from a crash precipitated by a 2003 disruption in the bass stocking schedule. Managers are hesitant to deviate from a stocking schedule that has provided the successful fishery in the past. |
| <b>Alternatives:</b>       | <ol style="list-style-type: none"> <li>1) Discontinuation of hybrid bass program.</li> <li>2) Alter stocking schedule to skip 2013 plant and continue program in 2014.</li> <li>3) Alter stocking schedule to skip 2013 plant and continue program in 2014 with larger plant.</li> <li>4) Apply to R&amp;E Board for funds to continue with scheduled 2013 plant with Warmwater Program picking up costs as usual for future plants.</li> </ol>   |
| <b>Designer:</b>           | Terry Shrader, Eastern Oregon Warmwater Fisheries biologist   |
| <b>Methods:</b>            | Funds will be used to purchase bass from the Arkansas source we have used previously. The fish are airshipped to Reno, Nevada, in October where they are picked up and transported to Ana Reservoir where they are released after being allowed to acclimate.   |
| <b>Inspector:</b>          | n/a   |
| <b>Funding Elements:</b>   | R&E funds will be used to purchase hybrid bass fingerlings from an disease-free certified source in Arkansas. This is the source that we have used the past 8 years. Staff time and travel costs to procur the fish from the Reno airport will be covered by existing district and program budgets.   |
| <b>Partners:</b>           | No  |
| <b>Existing Plan:</b>      | <p>Yes</p> <p>Yes, the hybrid bass program is identified in the Ana Reservoir</p>   |

Management Plan.  
**Affected Contacted:** No  
**Affected Supportive:** No  
**Affected Comments:** N/A

***Project Schedule/Participants/Funding***

| Activity      | Date      | Participants  |
|---------------|-----------|---------------|
| Purchase fish | 9/15/2013 | Terry Shrader |
| Stock fish    | 10/1/2013 | Terry Shrader |

**Affected Species:**  
Warmwater  
white bass X striped bass hybrid

***Project Permits***

This project has no permits.

***Project Monitoring***

| Organization | Address                           | Activity                                 | Frequency |
|--------------|-----------------------------------|--|-----------|
| ODFW         | 61374 Parrell Road Bend, OR 97702 | Bass population and prey base monitoring | Annually  |

***Project Maintenance***

| Organization           | Address                           | Activity             | Frequency        |
|------------------------|-----------------------------------|----------------------|------------------|
| ODFW Warmwater Program | 61374 Parrell Road Bend, OR 97702 | Maintenance stocking | Every other year |

### ***Project Match Funding***

| Funding Source | Cash       | In-Kind  | Other  | Description          | Total      | Secured? | Conditions? | Comments   |
|----------------|------------|----------|--------|----------------------|------------|----------|-------------|--|
| R&E Request    | \$1,300.00 | \$0.00   | \$0.00 |                      | \$1,300.00 | No       | No          | funds to purchase hybrid bass fingerlings  |
| ODFW           | \$0.00     | \$932.50 | \$0.00 | travel and salary    | \$932.50   | Yes      | Yes         | Costs associated with travel, per diem, and staff salary will be covered by existing district budgets. |
|                |            |          |        | Total Match Funding: | \$2,232.50 |          |             |  |

### ***Project Budget***

| Item                    | Item Type | Units | Unit Cost | R&E Funds  | Match Funds   | Total      |
|-------------------------|-----------|-------|-----------|------------|---------------|------------|
| Hybrid bass fingerlings | Equipment | 2000  | \$0.65    | \$1,300.00 | \$0.00        | \$1,300.00 |
| Staff salary            | Personnel | 2     | \$215.00  | \$0.00     | \$430.00      | \$430.00   |
| Per diem                | Travel    | 1     | \$145.00  | \$0.00     | \$145.00      | \$145.00   |
| vehicle mileage         | Travel    | 650   | \$0.55    | \$0.00     | \$357.50      | \$357.50   |
|                         |           |       |           |            | Total Budget: | \$2,232.50 |

## Project Map

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### ***Additional Files***

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Click a link to view that particular file.

[Signature Page](#)