

# Feasibility Study Grants 2015-2017, Third Cycle Funding Recommendations



**Thursday, May 11, 2017**

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**Oregon Water Resources Department**



# Overview

- **Background and Purpose**
- **Overview of Previous Funding Cycles**
- **Summary of 2015-2017 Applications**
- **Application Review Process**
- **Funding Recommendations**
- **Next Steps (if grants are awarded)**
- **Staff Recommendation**

# Water Resources Development Program

The Water Resources Development Program seeks to help individuals and communities address instream and out-of-stream needs now and into the future, including water quantity, water quality and ecosystem needs.



# Water Resources Development Program



Helping  
Identify and  
Address  
Oregon's  
Water Needs

  
Plan and identify  
actions

Place-Based  
Planning

Water  
Project  
Grants  
and Loans

  
Implement  
actions

  
Investigate  
feasibility

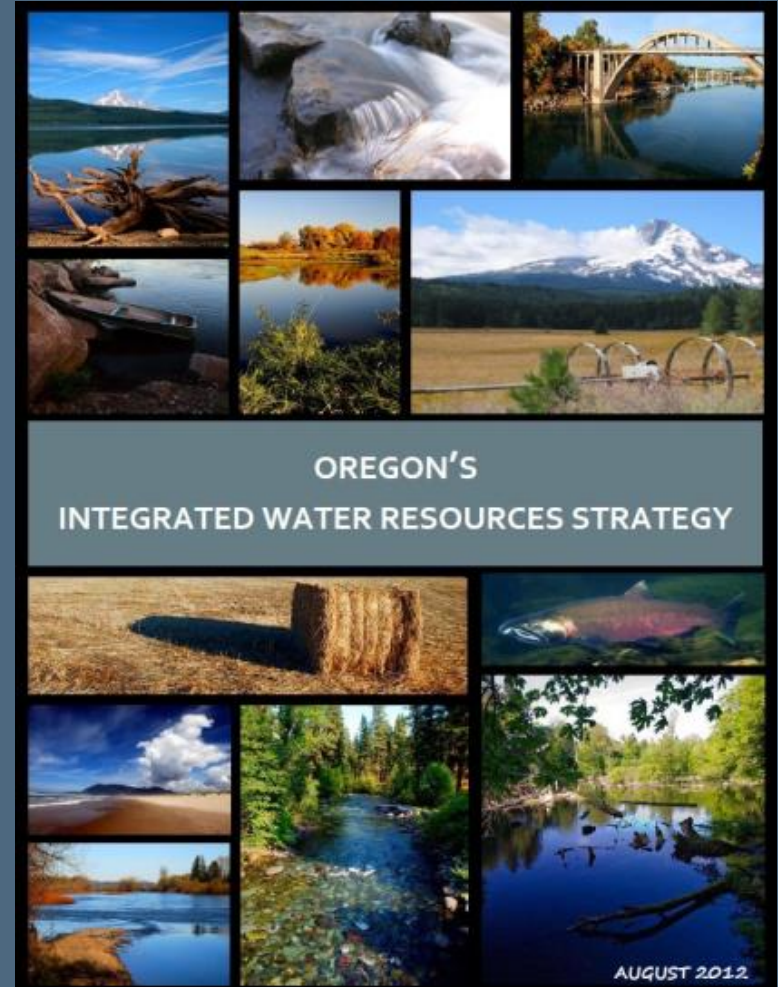
Feasibility  
Study  
Grants



# Integrated Water Resources Strategy

The IWRS provides a roadmap to help the state better understand and meet its instream and out-of-stream water needs.

**Recommended Action 13C:  
Fund Communities Needing  
Feasibility Studies for Water  
Conservation, Storage, and  
Reuse Projects**





# Funding Purpose

**Purpose:** Provide dollar-for-dollar match funding for project planning studies performed to evaluate the feasibility of a water conservation, reuse, or storage project

**Deadline:** Fall each year (e.g., October 14, 2016)

**Funding Decision:** Spring each year (May 2017)



**Conservation**



**Reuse**

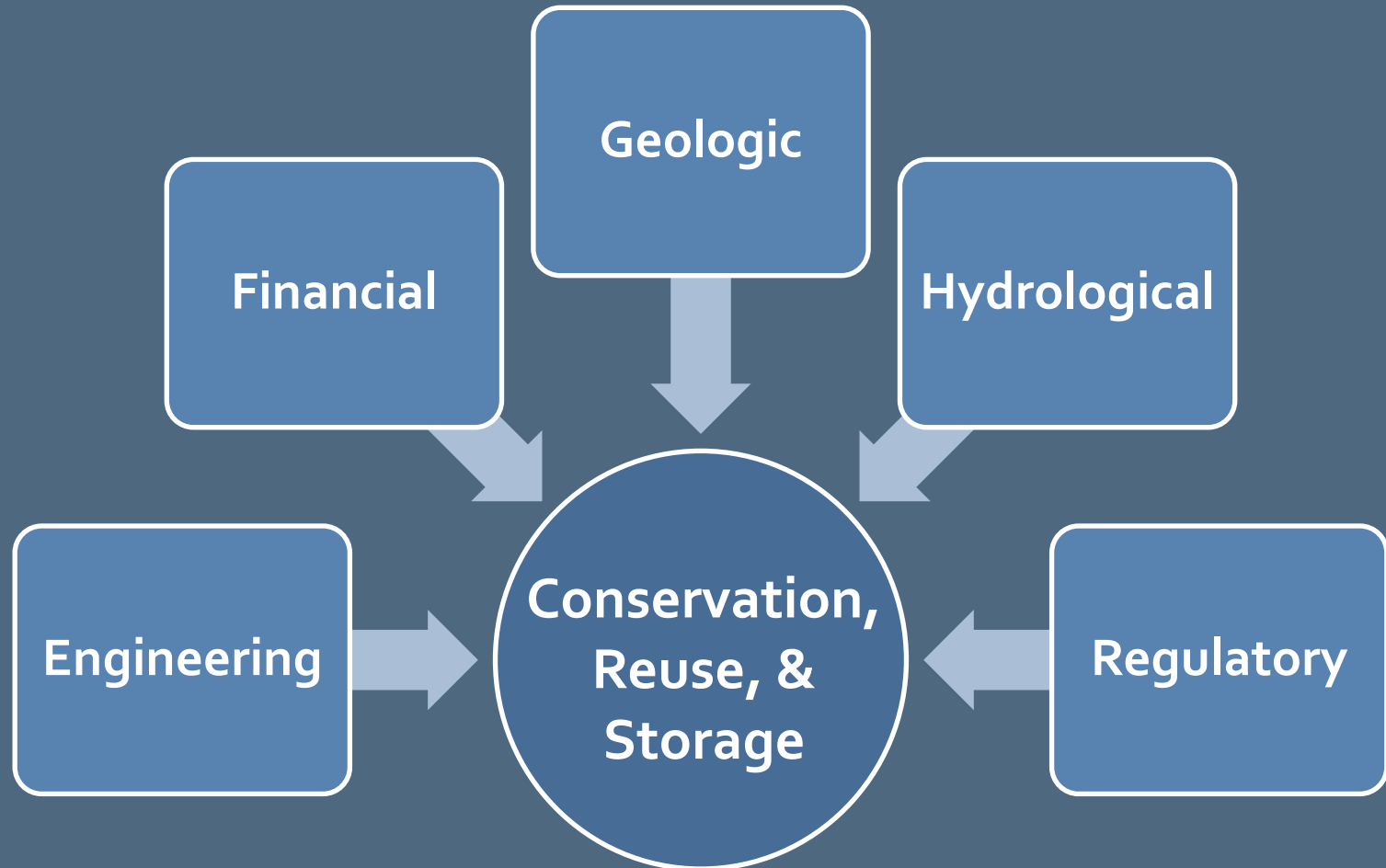


**Storage**



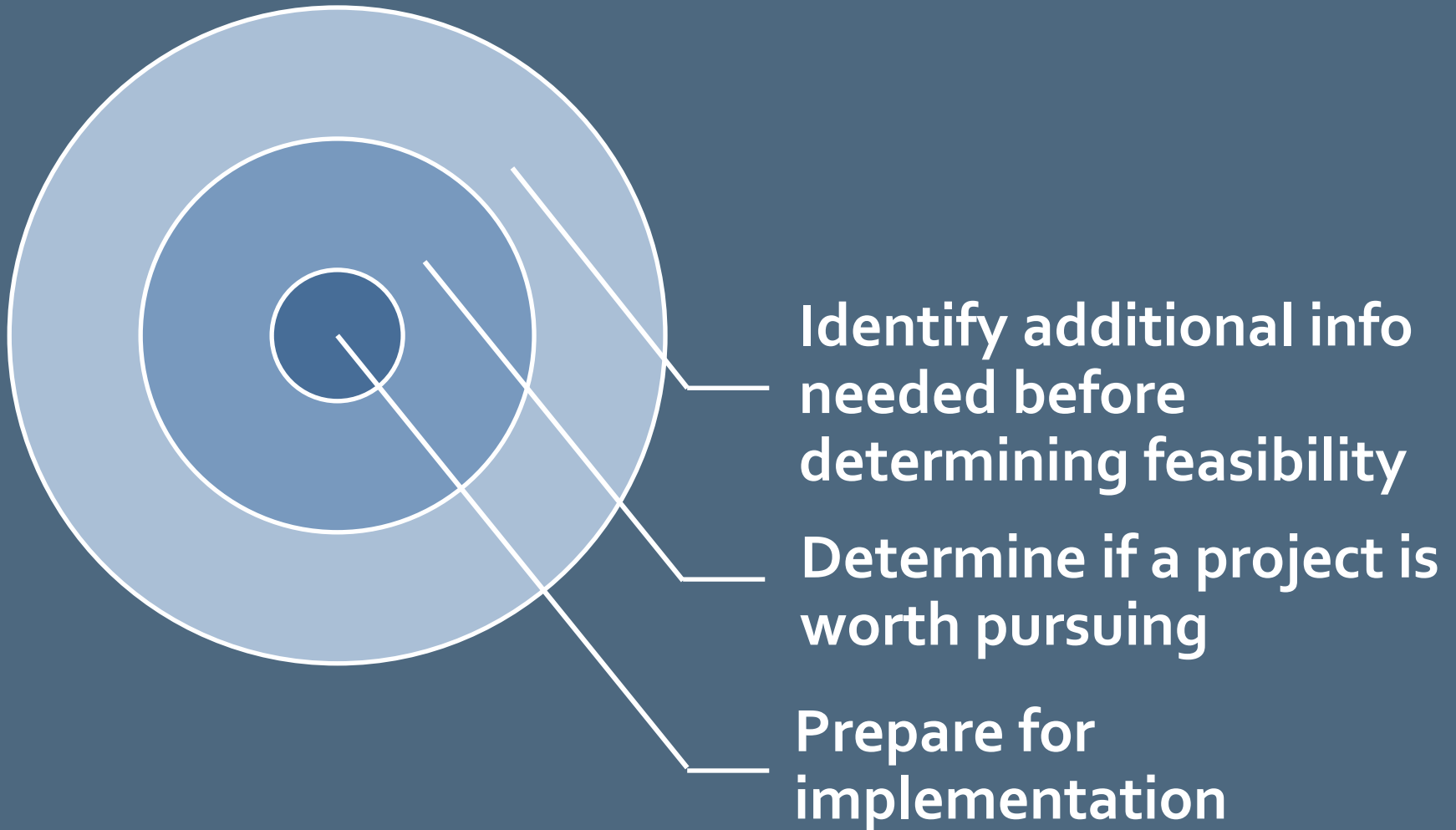
# Funding Purpose

A feasibility study seeks to answer the question: Should we (or how should we) proceed with a proposed project idea?





# Value of Feasibility Study Grants







# Funding Available

**2015-2017 Funding: ~\$2.8 million in grants  
(~\$1.8 million obligated to 22 studies)**

**1<sup>st</sup> Cycle: 6  
grants awarded  
(\$497,185)**

**2<sup>nd</sup> Cycle: 17  
grants awarded\*  
(\$1,269,215)**

**3<sup>rd</sup> Cycle:  
\$1,018,174.00  
available**



## Third Cycle 2015-2017

**\$ 1,018,174 Available**



**October 14, 2016 Application Deadline**



**9 Applications Received**



**\$505,247 Funds Requested**

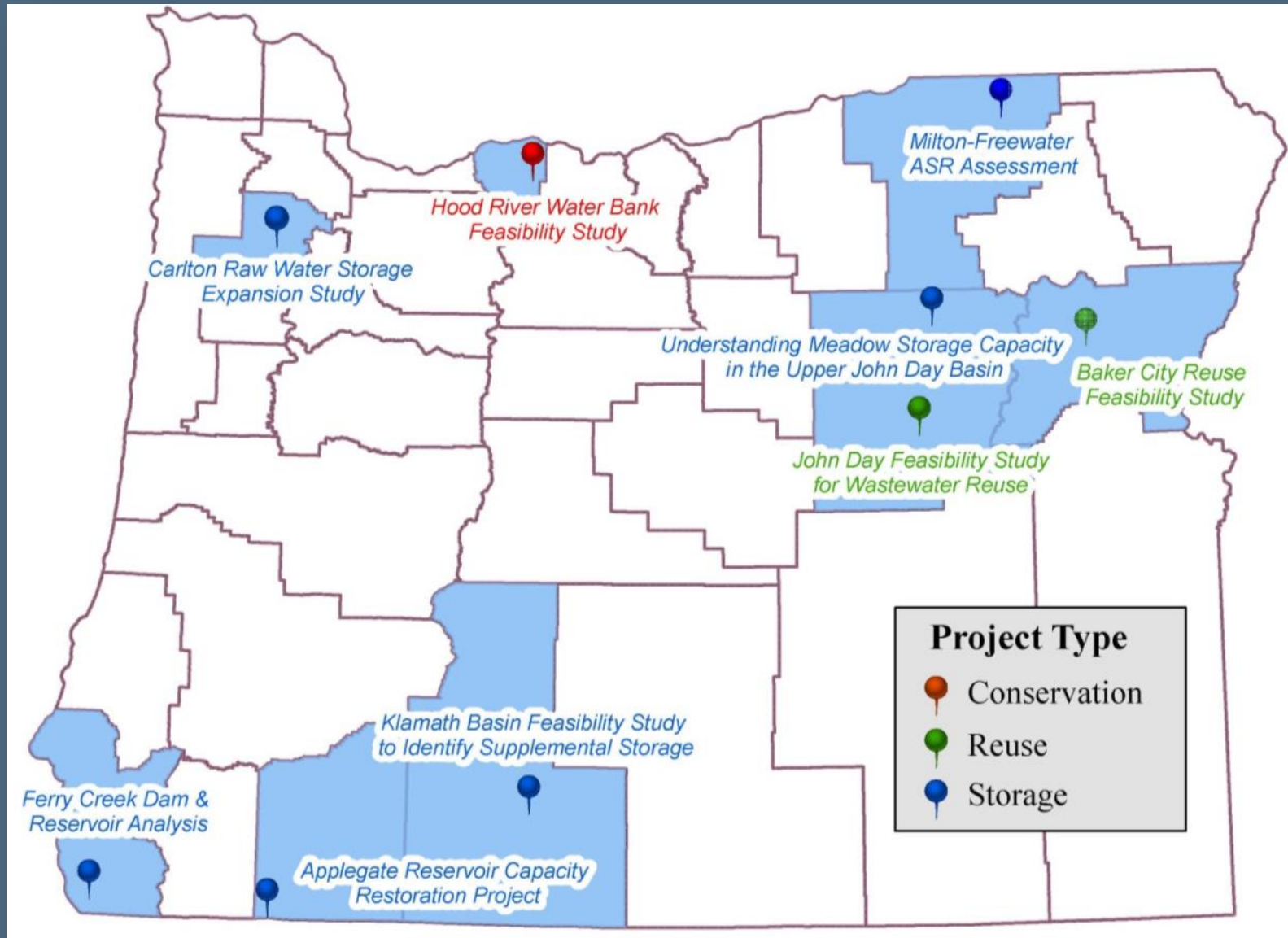


# Third Cycle Applications

Study Name	Project Type	Funds Requested
Applegate Reservoir Capacity Restoration Project	Storage	\$93,935
Baker Reuse Feasibility Study	Reuse	\$30,000
Carlton Raw Water Storage Expansion Study	Storage	\$60,000
Ferry Creek Dam & Reservoir Analysis	Storage	\$72,500
Hood River Water Bank Feasibility Study	Conservation	\$50,330
John Day Feasibility Study for Wastewater Reuse	Reuse	\$50,000
Klamath Basin Feasibility Study to Identify Supplemental Storage	Storage	\$65,680
Milton-Freewater ASR Assessment	Storage	\$42,297
Understanding Meadow Storage Capacity in the Upper John Day Basin	Storage	\$40,505

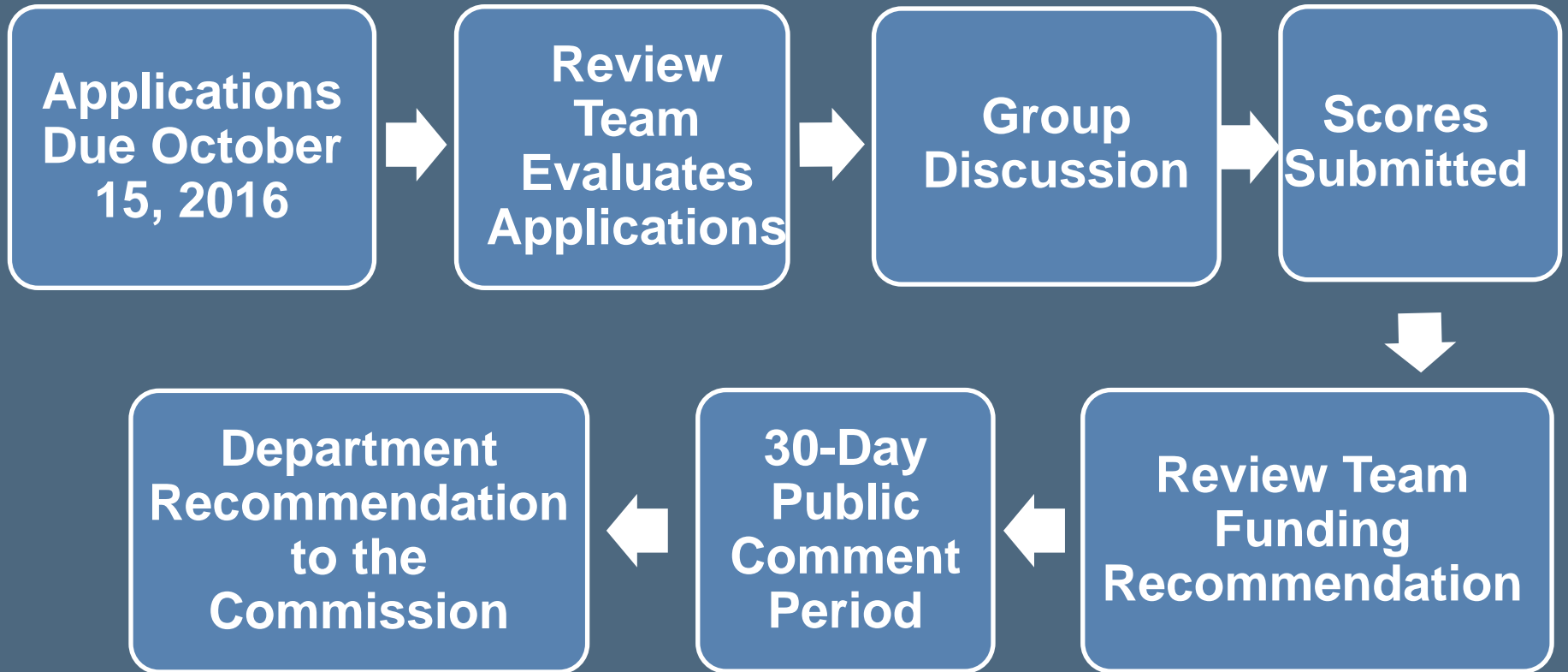


# Third Cycle Applications





# Application Review Process





# Application Review Team

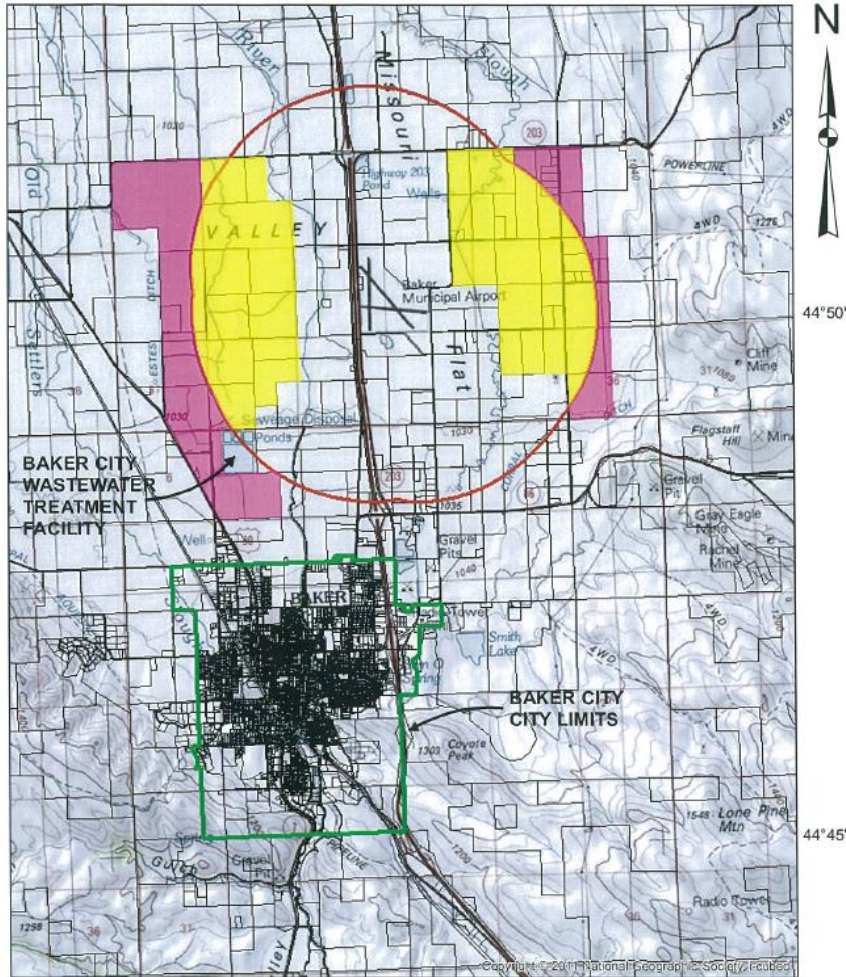




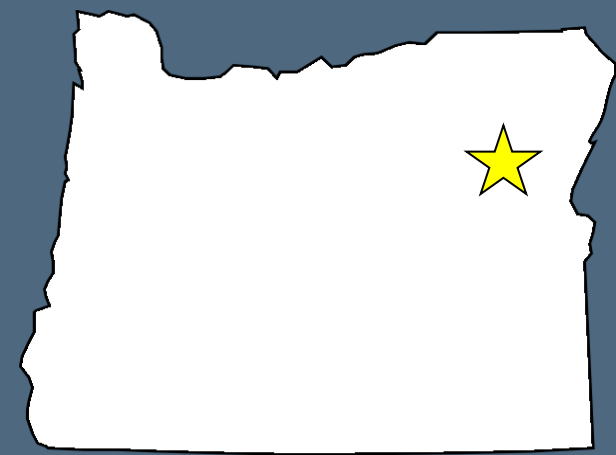
# STUDIES RECOMMENDED FOR FUNDING



# Baker Reuse Feasibility Study



- Legend**
- Storage Study Area
  - Irrigation Study Area
  - 10,000' Airport Buffer



**Project Type: Reuse**  
**Funding Request: \$30,000**  
**Total Study Costs: \$60,000**



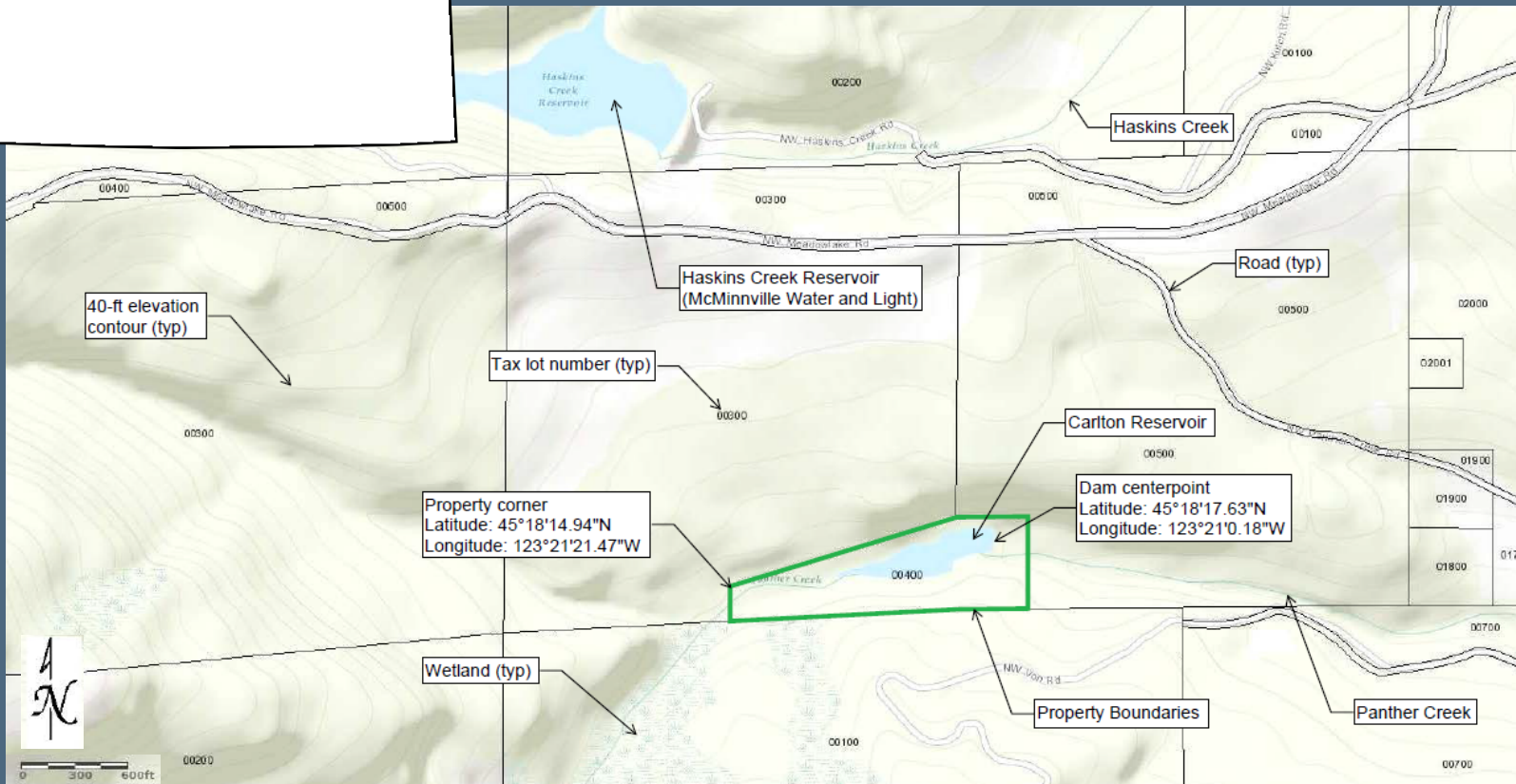
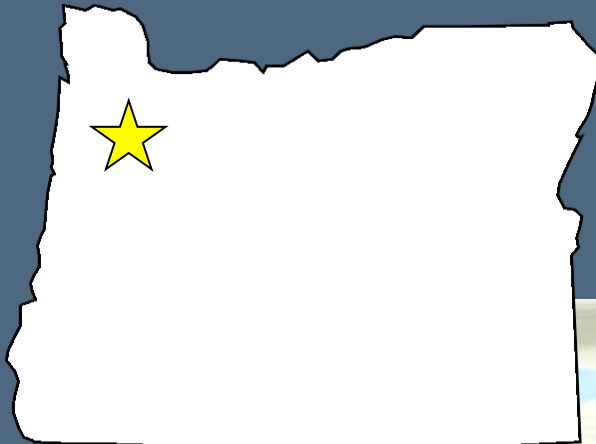


# Carlton Raw Water Storage Expansion Study

Project Type: Storage – Above Ground

Funding Request: \$60,000

Total Study Costs: \$120,000





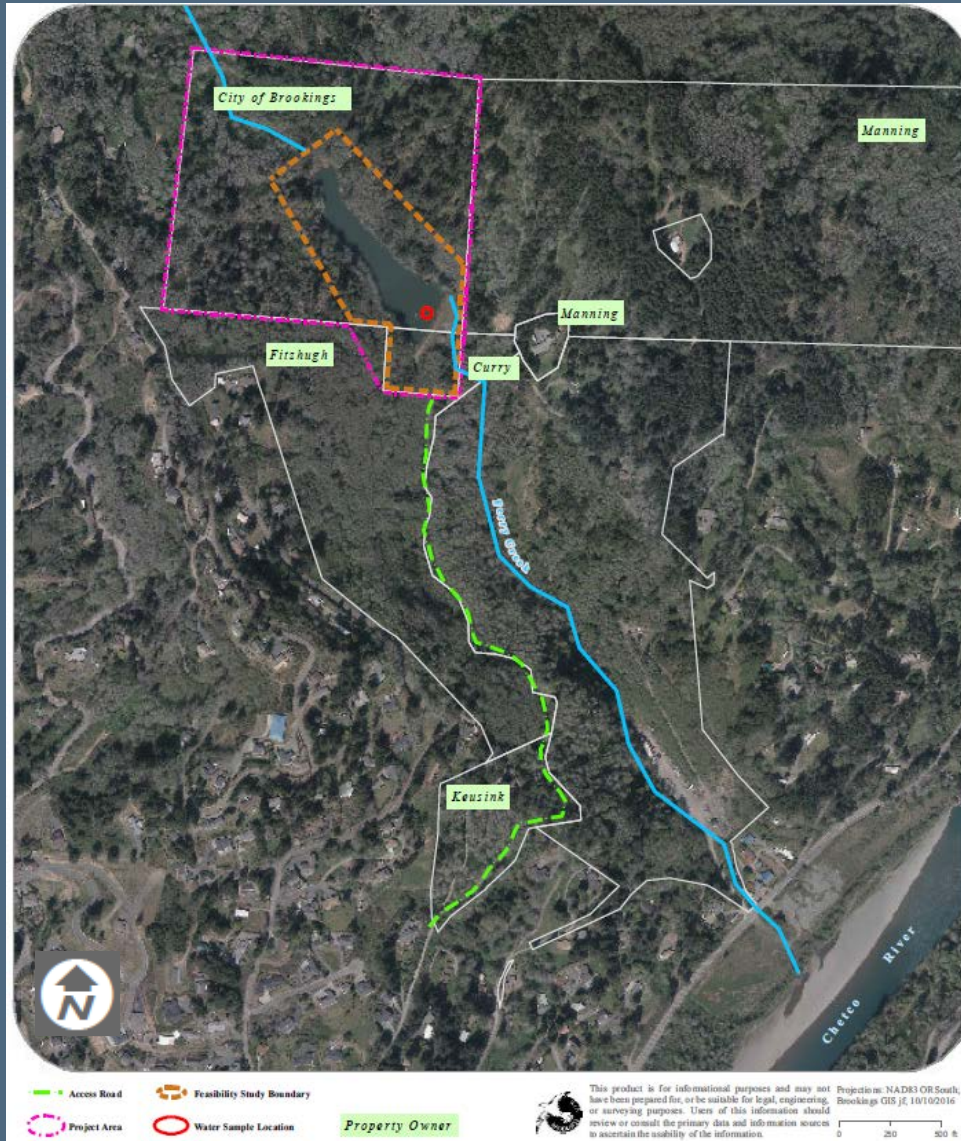
# Carlton Raw Water Storage Expansion Study

## Public Comment from WaterWatch of Oregon

- Does not adhere to the statutory standards for grants for storage projects
- Does not appear the alternatives analysis would inform whether to proceed with the reservoir enlargement
- Any additional public funding to address the city's water supply issues should be to assist the City in diversifying its water supply, not for enlarging the Panther Creek reservoir



# Ferry Creek Dam & Reservoir Analysis



**Project Type: Storage –  
Above Ground**

**Funding Request: \$72,500**

**Total Study Costs:  
\$145,000**

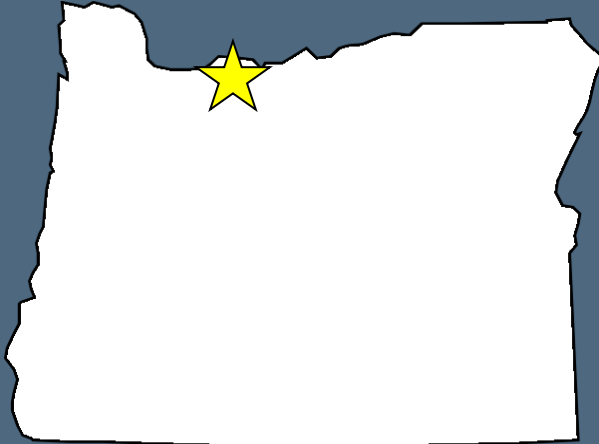


# Ferry Creek Dam & Reservoir Analysis

- **Kalmiopsis Audubon Society encourages the applicant to:**
  - Integrate conservation concerns into its planning process
  - Include robust analysis to consider dam removal and restoration of the lower creek.
- **Oregon Coast Alliance urges the Commission to require, as a condition of funding:**
  - Equal study and analysis of removal of the dam and restoration of Ferry Creek
  - Dam removal as the preferred alternative



# Hood River Water Bank Feasibility Study



**Project Type:  
Conservation**

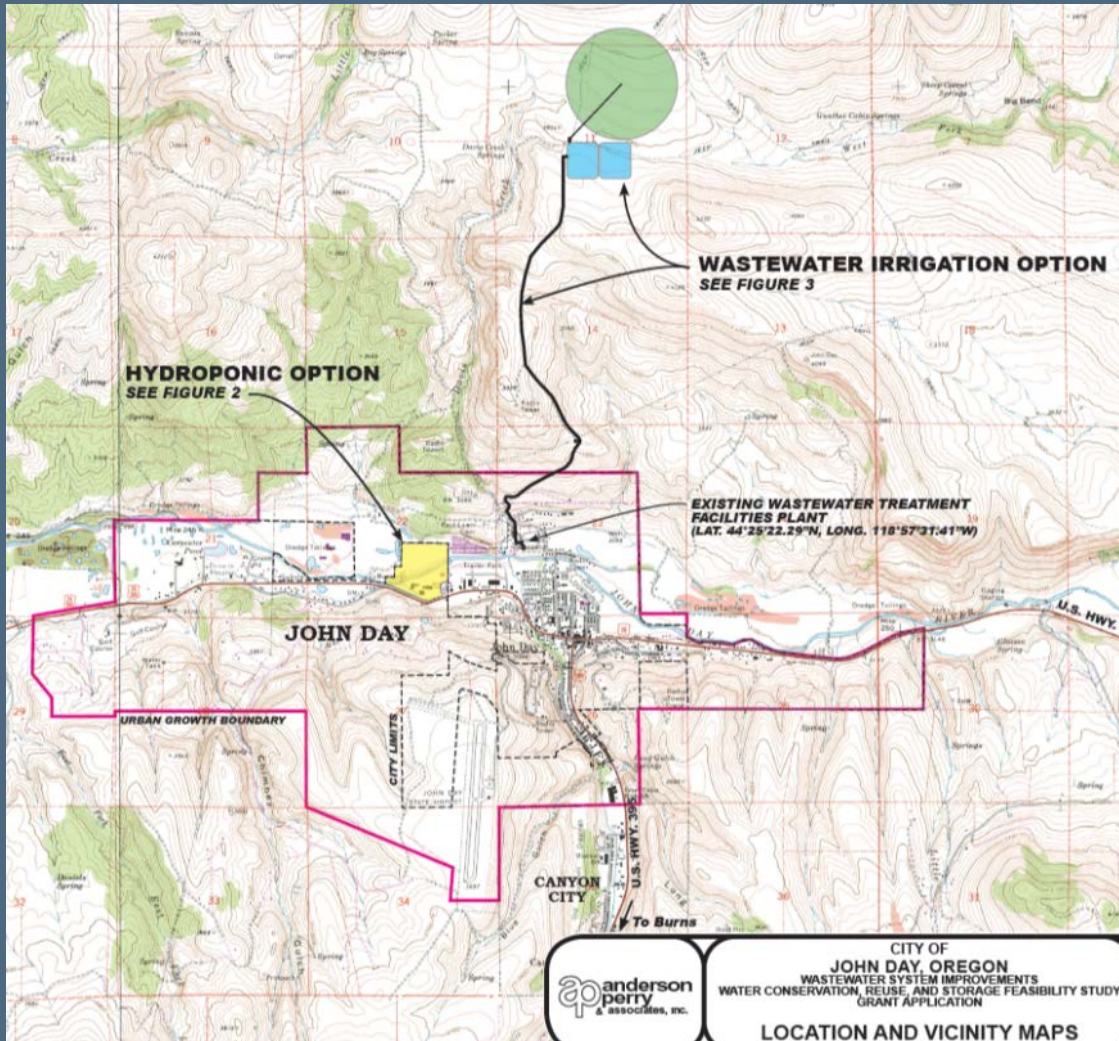
**Funding Request:  
\$50,330**

**Total Cost: \$101,980**





# John Day Feasibility Study for Wastewater Reuse



**Project Type: Reuse**

**Funding Request:**

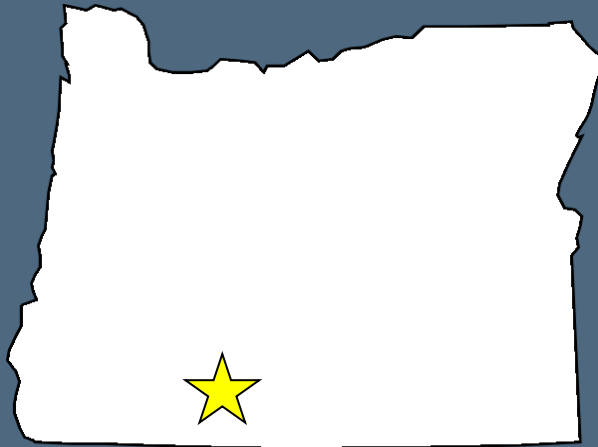
**\$50,000**

**Total Study Costs:**

**\$110,000**



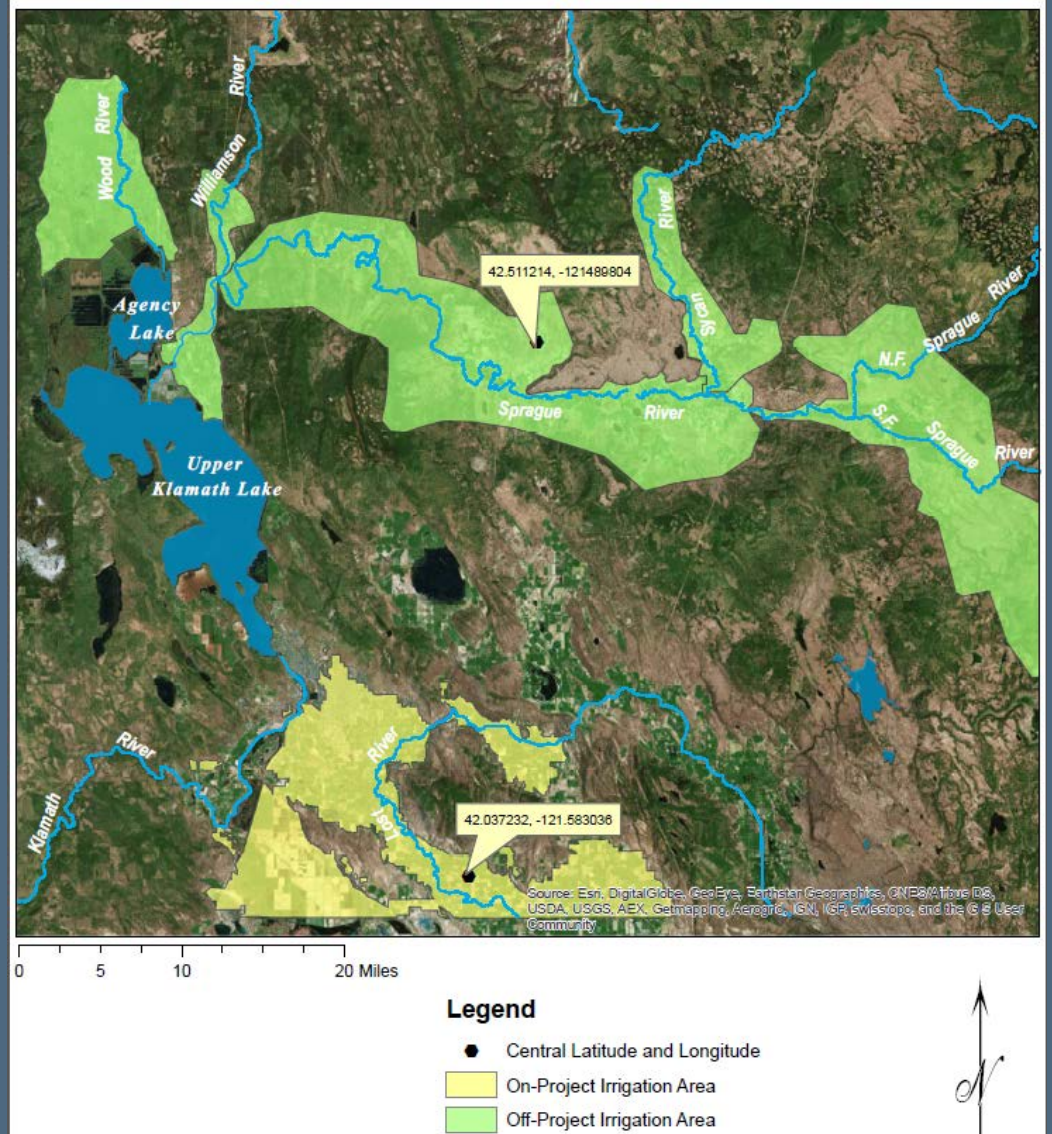
# Klamath Basin Feasibility Study to Identify Supplemental Storage



**Project Type: Storage – Above & Below Ground**

**Funding Request:  
\$42,297**

**Total Study Costs:  
\$127,520**





# Klamath Basin Feasibility Study to Identify Supplemental Storage

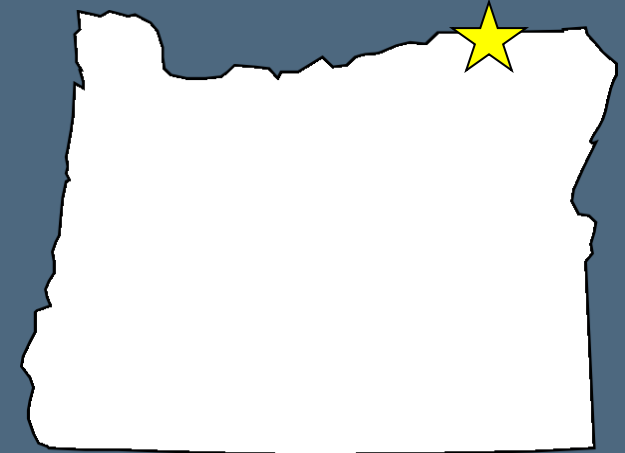
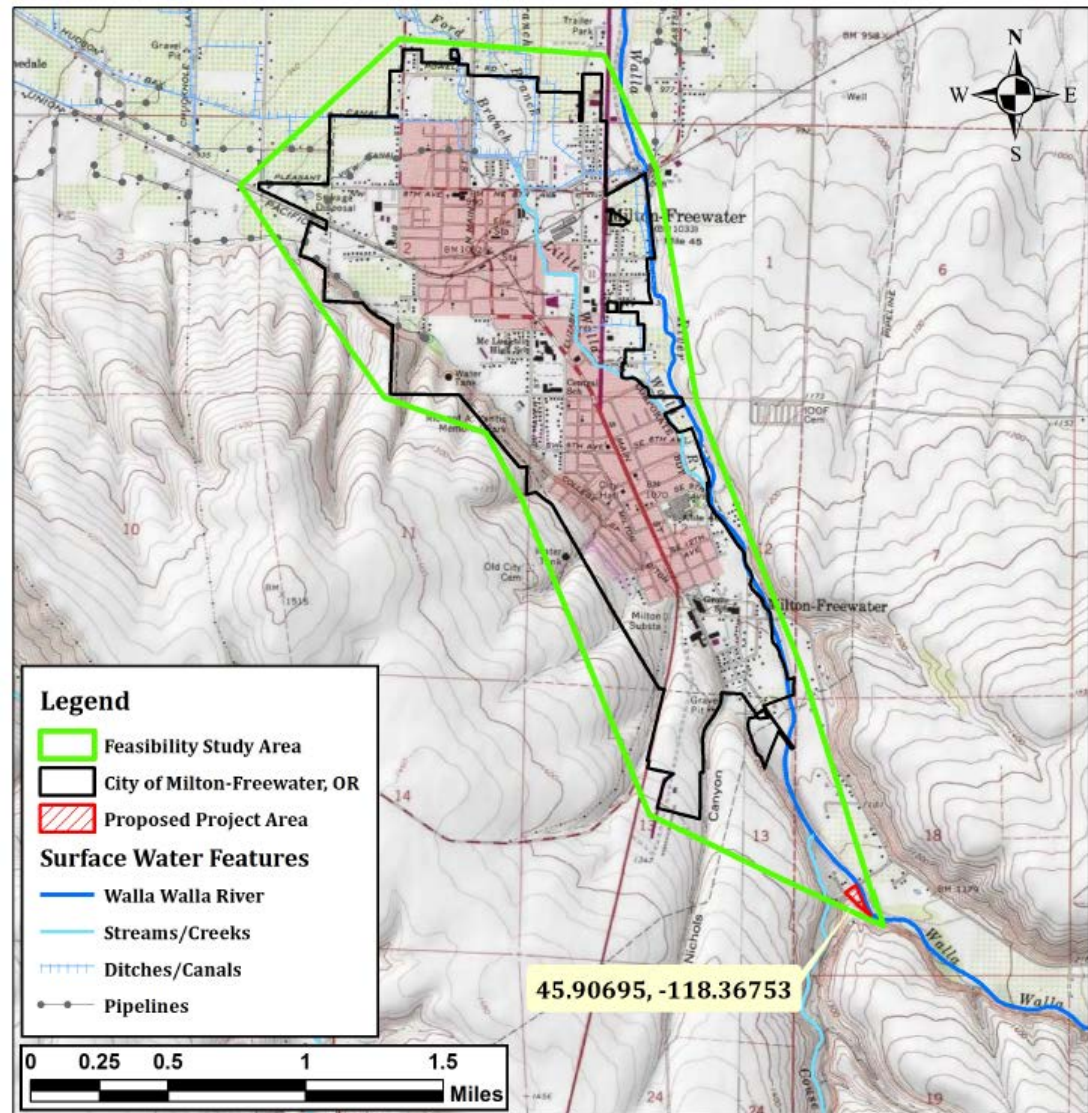
## Public Comment from WaterWatch of Oregon and Oregon Wild

- The proposed study does not comply with the statute and rules governing the funding opportunity.
  - OAR 690-600-0020(4)(f)(A)
  - OAR 690-600-0020(4)(f)(B)
- This proposed study would result in injury to the water rights of the Lower Klamath Wildlife Refuge





# Milton-Freewater ASR Assessment



**Project Type: Storage  
– Below Ground**

**Funding Request:  
\$42,297**

**Total Study Costs:  
\$127,520**



# Milton-Freewater ASR Assessment

## Public Comment from the Confederated Tribes of the Umatilla Indian Reservation

- Supports the proposal's intent to investigate a number of elements
- Has Walla Walla River surface water right concerns
- Suggests this study focus on the technical aspects of determining ASR capacity
- Suggests that the proposed investigation of re-use and conservation measures be explicitly identified in a distinct task in the study



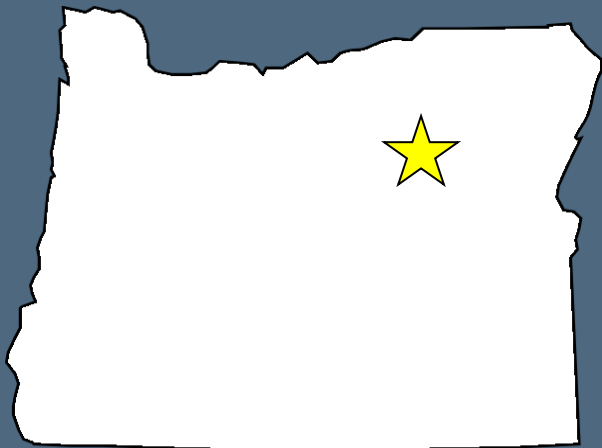
# Milton-Freewater ASR Assessment

## Public Comment from the Walla Walla Irrigation District

- Has Walla Walla River surface water right concerns
- Suggests this study conduct a thorough water rights analysis



# Understanding Meadow Storage Capacity in the Upper John Day Basin



**Project Type: Storage  
- Other**

**Funding Request:  
\$40,505**

**Total Study Costs:  
\$95,658**

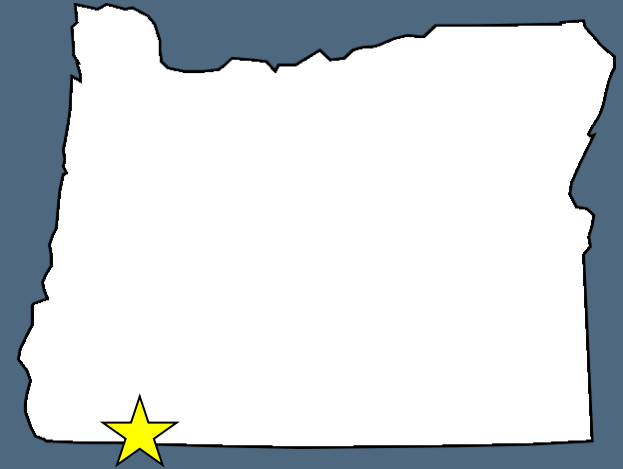
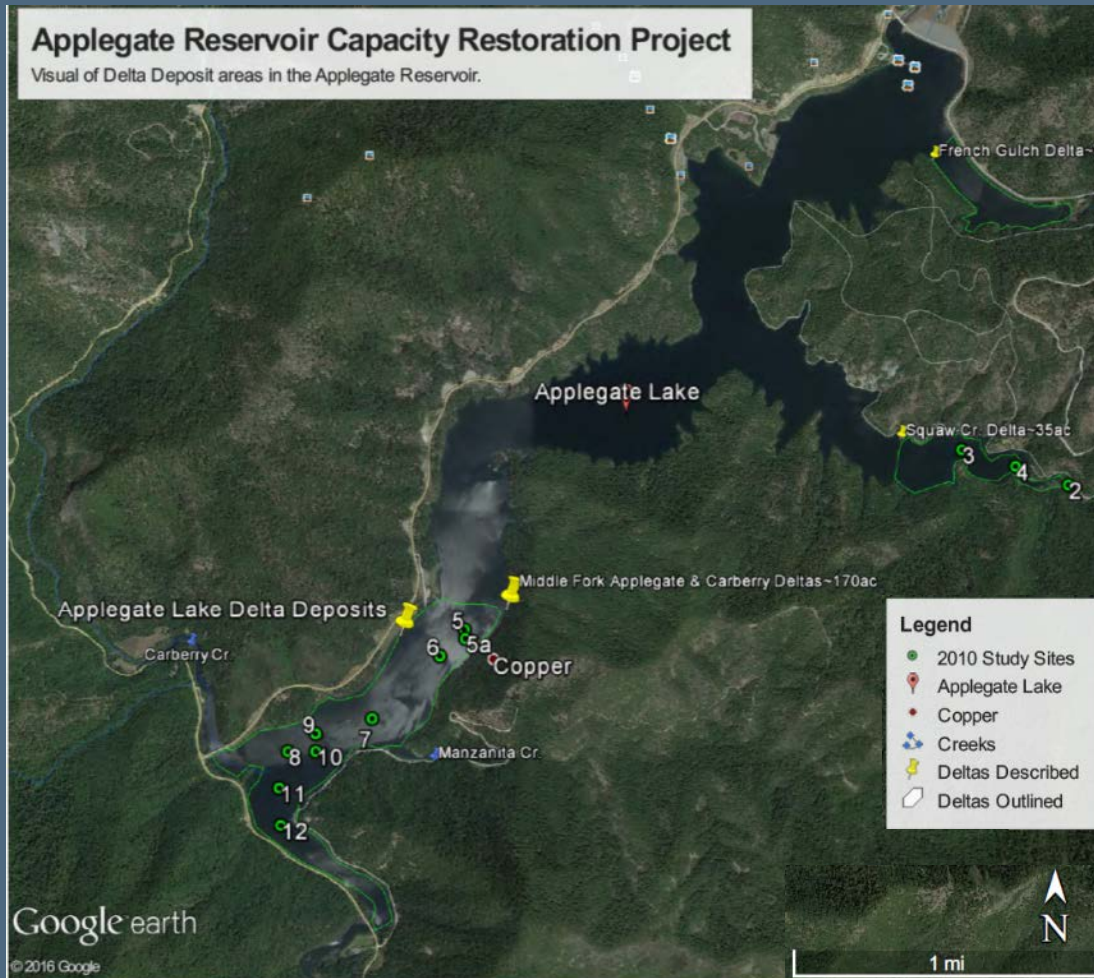




# STUDIES NOT RECOMMENDED FOR FUNDING



# Not Recommended: Applegate Reservoir Capacity Restoration



**Project Type: Storage  
– Above-Ground**

**Funding Request:  
\$93,935**

**Total Study Costs:  
\$188,742**



## Not Recommended: Applegate Reservoir Capacity Restoration

**.... proposal did not sufficiently state how the storage-specific requirements would be addressed.** This study triggers all three of the storage specific requirements and by not including the storage specific element the proposal does not demonstrate readiness for funding at this time...



# Recommended Studies

**Recommendation: Fund 8 Feasibility Studies**

**1**

**Water  
Conservation**

**2**

**Reuse**

**5**

**Storage**

**Total Funding Recommended= \$411,312**





# Biennium Funding

## First Cycle

6 Studies

= \$497,185



## Second Cycle

17 Studies

= \$1,269,215



## Third Cycle Recommendation

8 Studies

= \$411,312



## Next Steps (if grants are awarded)



Draft and sign grant agreements using standard template



Confirm permits/authorizations if needed to conduct study



Ensure cost match secured

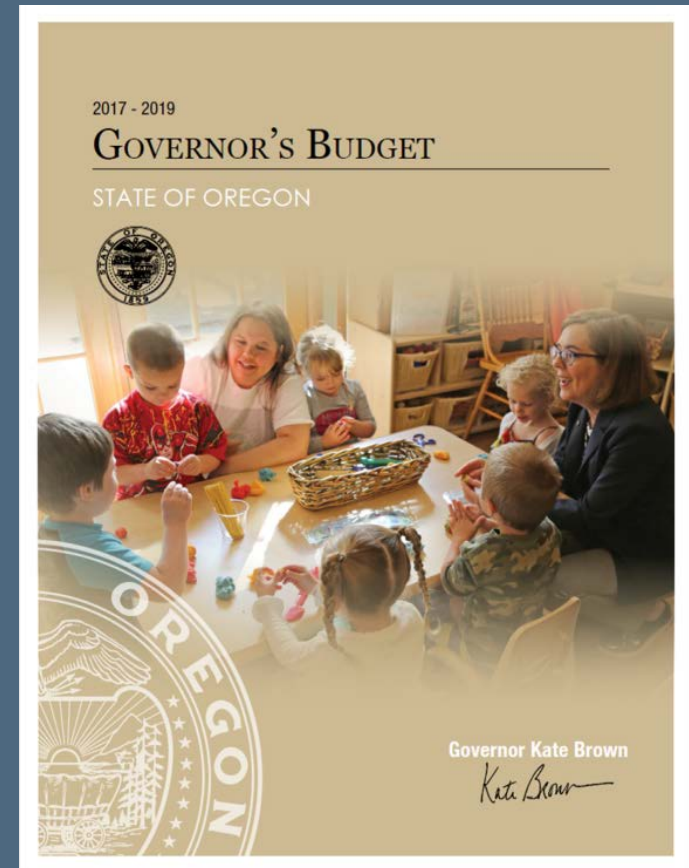


Administer grant (e.g., quarterly reports, requests for releases of funds, etc.)



# Future Funding Cycles

- **2015-2017 Budget**
  - ~\$2.8 million authorized by Legislature
    - \$1,755,542 awarded
    - \$411,312 recommended
    - \$606,862 remaining
  - Limited duration position
- **Governor's Budget requests \$2 million for 2017-2019**





# Staff Recommendation

**The Commission may consider the following alternatives:**

- **Adopt funding recommendations.**
- **Adopt modified funding recommendations.**
- **Direct the Department to further evaluate the applications and return with a revised funding proposal.**



# Staff Recommendation

The Commission may consider the following alternatives:

- Adopt funding recommendations.
- Adopt modified funding recommendations.
- Direct the Department to further evaluate the applications and return with a revised funding proposal.

*THANK YOU*

