

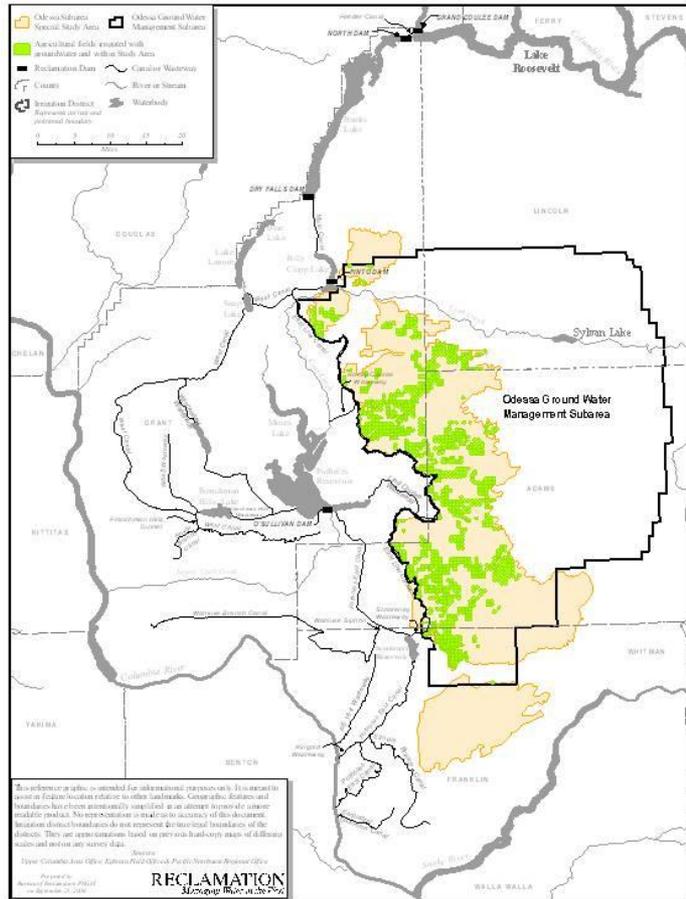
Odessa Subarea Special Study

Columbia Basin Project

Columbia River Policy Advisory Group
Ellensburg, WA, July 21, 2011



Odessa Subarea Special Study Purpose and Need



- Replace current groundwater irrigation in Odessa Subarea with surface water
- Avoid economic loss and address declining groundwater for agriculture & other uses
- Fulfill obligation made by Reclamation and Ecology in the Columbia River Initiative

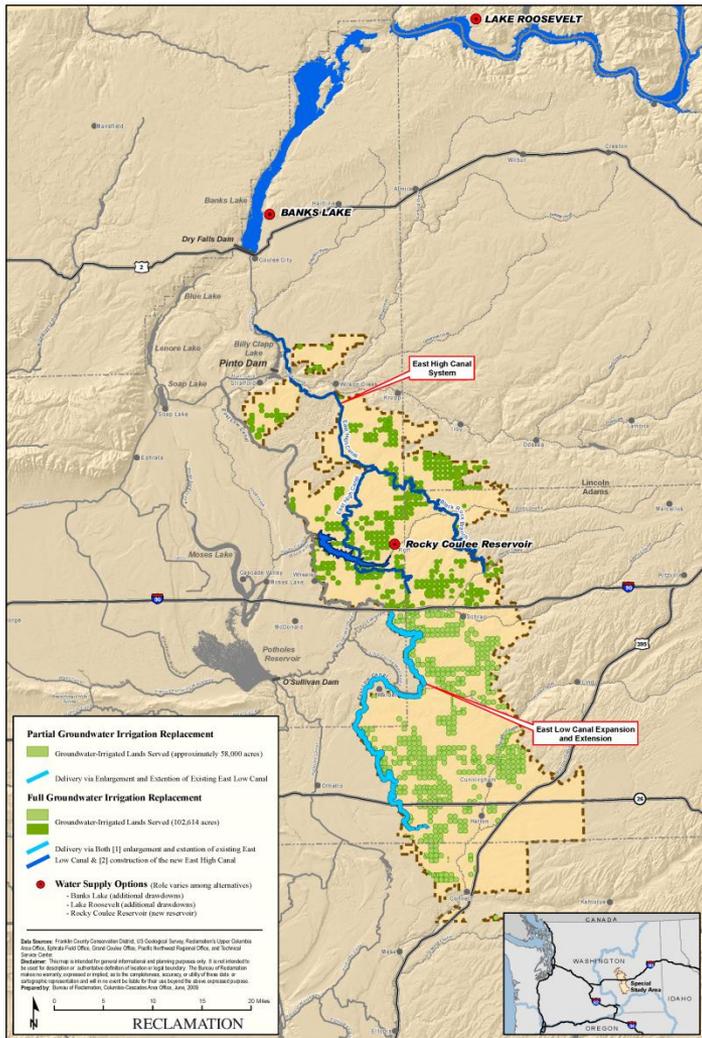
Project Advisory Solutions Study (PASS) Objectives

- Replace all or a portion of current groundwater withdrawals within the CBP area of the Odessa Ground Water Management Subarea with Project water.
- Maximize use of existing infrastructure.
- Retain the possibility of full CBP development in the future.
- Address ESA issues: *No net loss to existing NOAA Fisheries seasonal flow objectives.*
- Provide environmental and recreational enhancements.
- Minimize potential delay in the Study schedule.
- Be developed in phases based on:
 - Funding expectations
 - Physical/operational constraints
 - Rate of groundwater decline



Water Delivery Option – East High / East Low (Full Groundwater Replacement)

- Construct a new East High Canal system north of I-90
- Expand capacity of East Low Canal south of I-90 and extend 2.3 miles



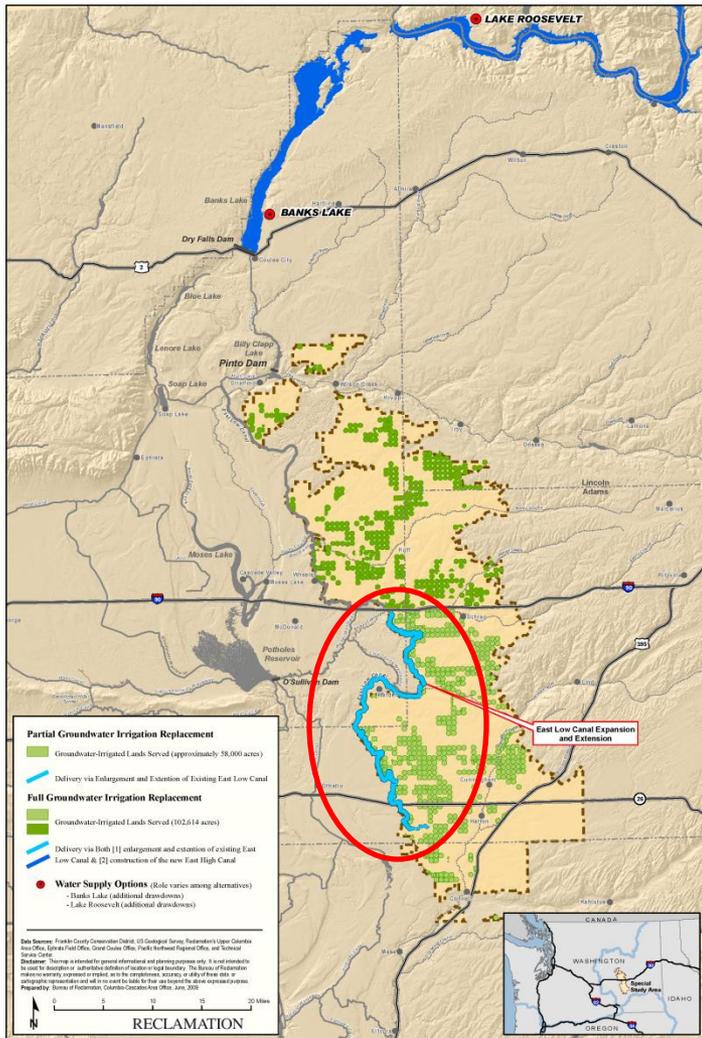
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Map 2-1
Overview of Action Alternatives:
Major Delivery and Supply Elements

Water Delivery Option - East Low

(Partial Groundwater Replacement)

- Expand capacity of East Low Canal south of I-90 and extend 2.3 miles

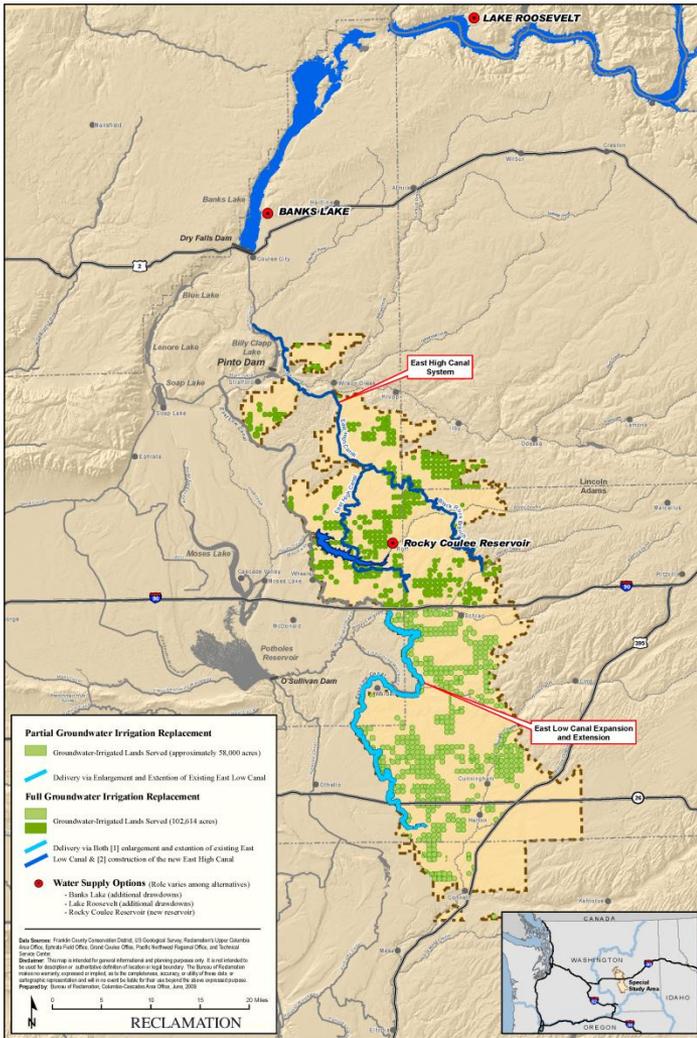


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Map 2-1
Overview of Action Alternatives:
Major Delivery and Supply Elements

Water Supply Options

- Lake Roosevelt
- Banks Lake Drawdown
- Rocky Coulee Reservoir (new)



Map 2-1
**Overview of Action Alternatives:
 Major Delivery and Supply Elements**

Schedule

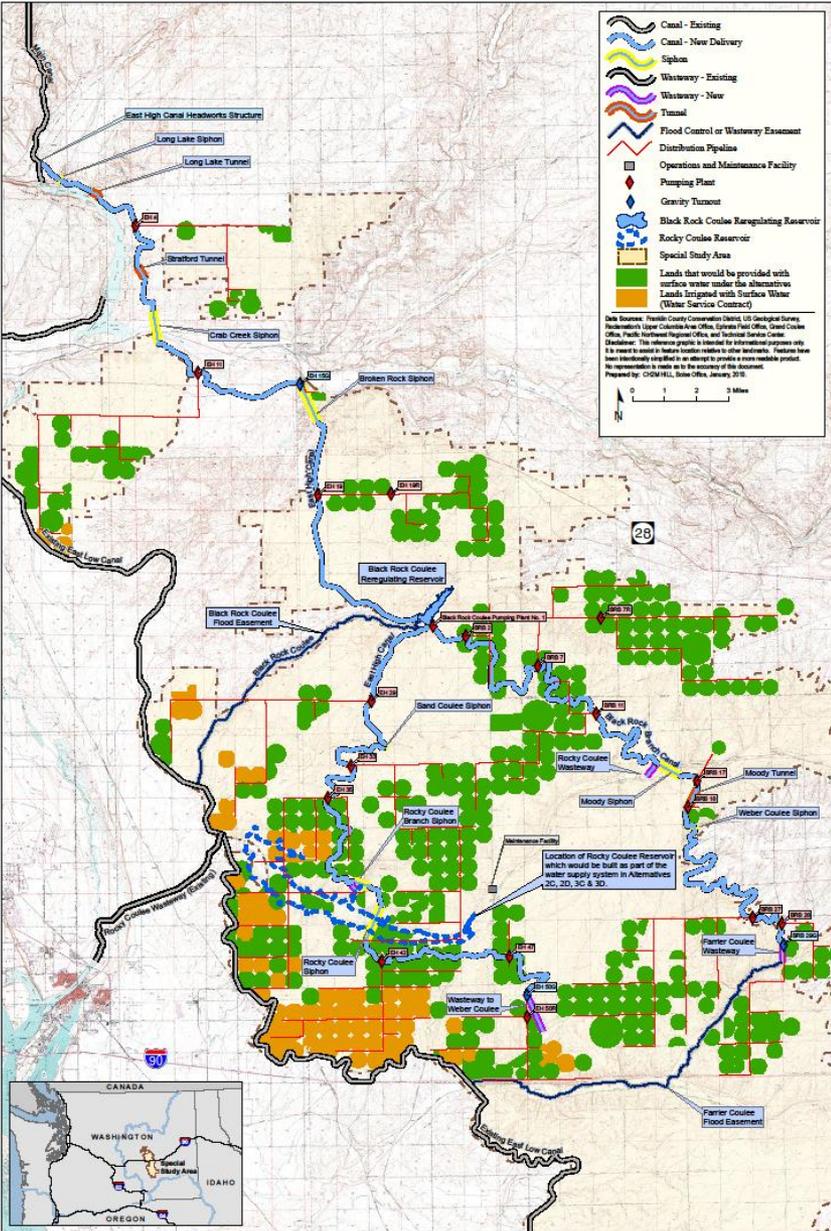
- **Draft Special Study Report / Draft EIS**
 - **Public Release: October 26, 2010**
 - **End 90-day comment period: January 31, 2011**
- **Final Special Study Report / Final EIS - December 2011**
- **Record of Decision - 2012**



Questions?



Full Replacement Alternative Distribution System



Canal - Existing
 Canal - New Delivery
 Siphon
 Wasteway - Existing
 Wasteway - New
 Tunnel
 Flood Control or Wasteway Estemant
 Distribution Pipeline
 Operations and Maintenance Facility
 Pumping Plant
 Gravity Turnout
 Black Rock Coulee Reservoir
 Rocky Coulee Reservoir
 Special Study Area
 Lands that would be provided with surface water under the alternatives
 Lands Irrigated with Surface Water (Water Service Contract)

Date Issued: Pacific County Conservation District, US Geological Survey, Reclamation Upper Columbia River Office, General Field Office, Great Coulee Office, Pacific Northwest Regional Office, and Technical Service Center.
 Disclaimer: The information is intended for informational purposes only. It is meant to assist in better location relative to other features. Features have been identified only in an attempt to provide a more readable product. No representation is made as to the accuracy of the document.
 Prepared by: CDM&L, Boise Office, January 2015.

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Map 5
Full Groundwater Irrigation Replacement Alternatives:
Delivery System Facility Development & Modification
(Applicable to Alternatives 3A through 3D; Facilities shown are in addition to those required for Partial Replacement—See Map 4)

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