

EAST COLUMBIA BASIN IRRIGATION DISTRICT

55 North 8th
P.O. Box E

OTHELLO, WASHINGTON 99344

Phone 509 488 9671
Fax 509 488 6433

ODESSA GROUNDWATER REPLACEMENT PROGRAM NEWSLETTER September 2017

Scope & Summary

OGWRP activity in 2016-17: 1) Canal Widening. 2) Warden Siphon. 3) EL 47.5 Pump Station. 4) Delivery System MOUs. 5) Negotiation of MWSC amendment. Please view attached info.

EL 47.5 Delivery System

Landowners have committed approximately 8500 acres of ground water replacement by contract; this allowed \$16.8 million in municipal bonds to be sold in October 2016 (the bond sale also included the refunding of 2006 and 2007 bonds for a total of \$22.5 million). Sump foundation walls were completed in March 2017. Formwork is now being prepared to install the slab deck.

Design review and construction oversight continues, in mutual coordination with Reclamation. Related work undertaken includes: Hydraulic modeling studies, electrical control system design, surge analysis, structural design review, pipeline design review and easement acquisition. Construction anticipates phased work, with operation in the Summer of 2018 or Spring of 2019.

Other Delivery Systems

The District approved Memoranda of Understanding (MOUs) with EL11.8 and EL22.1 owners. The MOUs facilitate landowner interaction with the development of each system and provide flexibility in the approach to design, financing and construction. This framework expedites the ability for preliminary design, and assures compliance with Reclamation. It will then lead to key "decision points" for further design, construction, and funding. Delivery designs are attached.

Funding

The District Board and landowners continue to advocate for efficient and economical solutions. Actual cost data from construction compared to initial cost estimates by Reclamation is attached, that demonstrates substantial savings and may help to justify an updated cost-benefit ratio, which could open the door to federal funding.

Since 2012, solid financial support (\$28 million) was received from the State of Washington. Grant funds are administered by Office of Columbia River of the Department of Ecology; and were used to build Lind Coulee 1 & 2 and Warden Siphons, widen the ELC, and install radial gates.

Upcoming canal expansion work targets Kansas Prairie 1 & 2 Siphons and more radial gates. The State capital budget includes \$10 million for ECBID, but has not yet been acted upon, awaiting a *Hirst* rural water solution. This heightens the importance to seek other sources, including low-interest loans, to buffer the impact of large capital investment.

Updated Boundary Maps

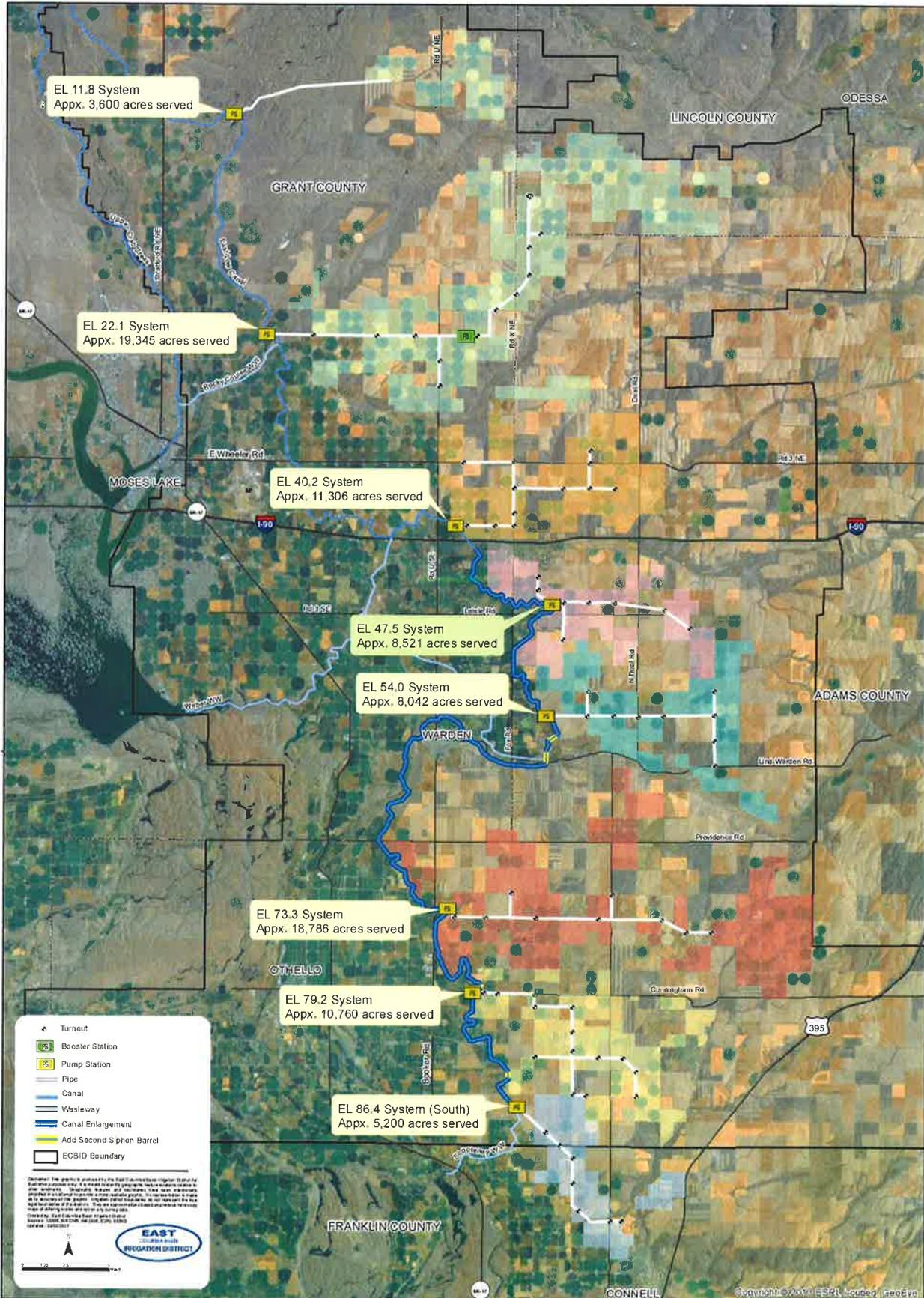
The District Boundary Map and the Odessa Subarea Special Study (OSSS) Boundary Map were recently revised to show actual expanded acres available to be served by the District. As a result, lands which had previously been denied participation in OGWRP may now qualify.

MWSC

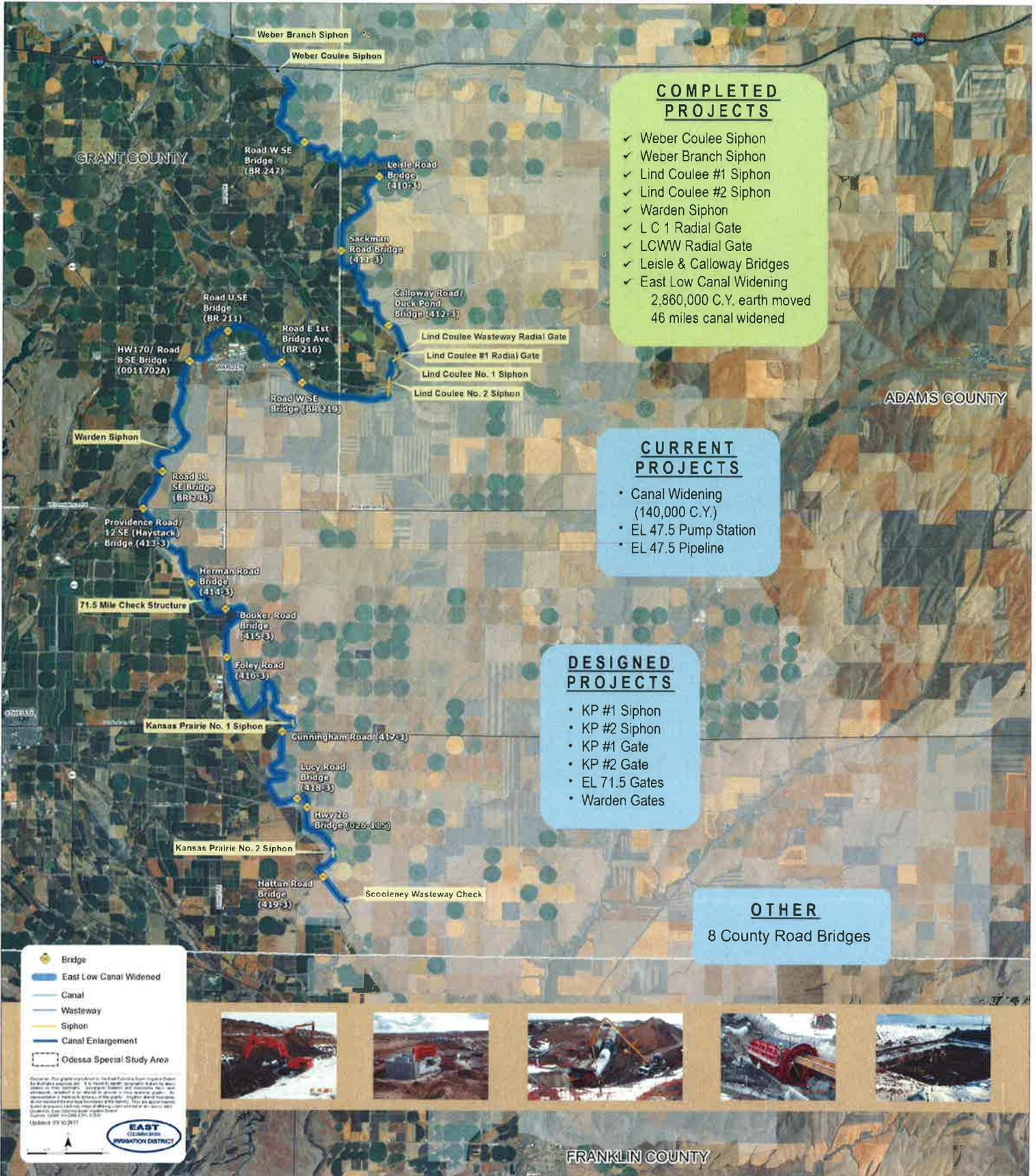
Master Water Service Contract negotiations were held with Reclamation in July 2017 in Yakima. Progress was made towards accessing 70,000 additional acres to serve the OGWRP program. Further review and negotiations will proceed in coming months. Completion of the contract will be an important milestone for the District to receive authorization to offer contracts for delivery. Landowner Meetings will occur in October to inform of overall progress and to receive input.

Att: *Canal Progress, Delivery Map, Warden Sign Promo, Savings by OCR, Boundary Maps.*

East Columbia Basin Irrigation District Odessa Groundwater Replacement Program (OGWRP) Preliminary Delivery System Alignments (03/03/17)



East Columbia Basin Irrigation District Odessa Groundwater Replacement Program (OGWRP) East Low Canal Improvements (03/30/2017)



COMPLETED PROJECTS

- ✓ Weber Coulee Siphon
- ✓ Weber Branch Siphon
- ✓ Lind Coulee #1 Siphon
- ✓ Lind Coulee #2 Siphon
- ✓ Warden Siphon
- ✓ L C 1 Radial Gate
- ✓ LCWW Radial Gate
- ✓ Leisle & Calloway Bridges
- ✓ East Low Canal Widening
2,860,000 C.Y. earth moved
46 miles canal widened

CURRENT PROJECTS

- Canal Widening
(140,000 C.Y.)
- EL 47.5 Pump Station
- EL 47.5 Pipeline

DESIGNED PROJECTS

- KP #1 Siphon
- KP #2 Siphon
- KP #1 Gate
- KP #2 Gate
- EL 71.5 Gates
- Warden Gates

OTHER

8 County Road Bridges

Legend

- Bridge
- East Low Canal Widened
- Canal
- Wasteway
- Siphon
- Canal Enlargement
- Odessa Special Study Area

Disclaimer: This graphic was prepared by the East Columbia Basin Irrigation District for the Ogwrp project. It is provided for informational purposes only and does not constitute a contract. The District is not responsible for any errors or omissions. The District is not liable for any damages, including consequential damages, arising from the use of this graphic. The District is not responsible for any damages, including consequential damages, arising from the use of this graphic. The District is not responsible for any damages, including consequential damages, arising from the use of this graphic.

EAST COLUMBIA BASIN IRRIGATION DISTRICT

Updated 03/30/2017



FRANKLIN COUNTY

EAST COLUMBIA BASIN IRRIGATION DISTRICT ODESSA GROUNDWATER REPLACEMENT PROGRAM

Bringing Columbia Basin Project Water to the Odessa Subarea **WARDEN SIPHON – ADDITIONAL SIPHON BARREL PROJECT**



Warden Siphon Detail
156 linear feet
13'0" inside diameter
107,000# of steel reinforcing
480 tons of gravel surfacing
*Steep profile, Harsh winter
Contoured access roadways*



Construction Completed: March 31, 2017 Project Cost: \$2.1M

East Columbia Basin Irrigation District, P. O. Box E / 55 N. 8th St., Othello, WA 99344

Construction funded by Washington State Department of Ecology

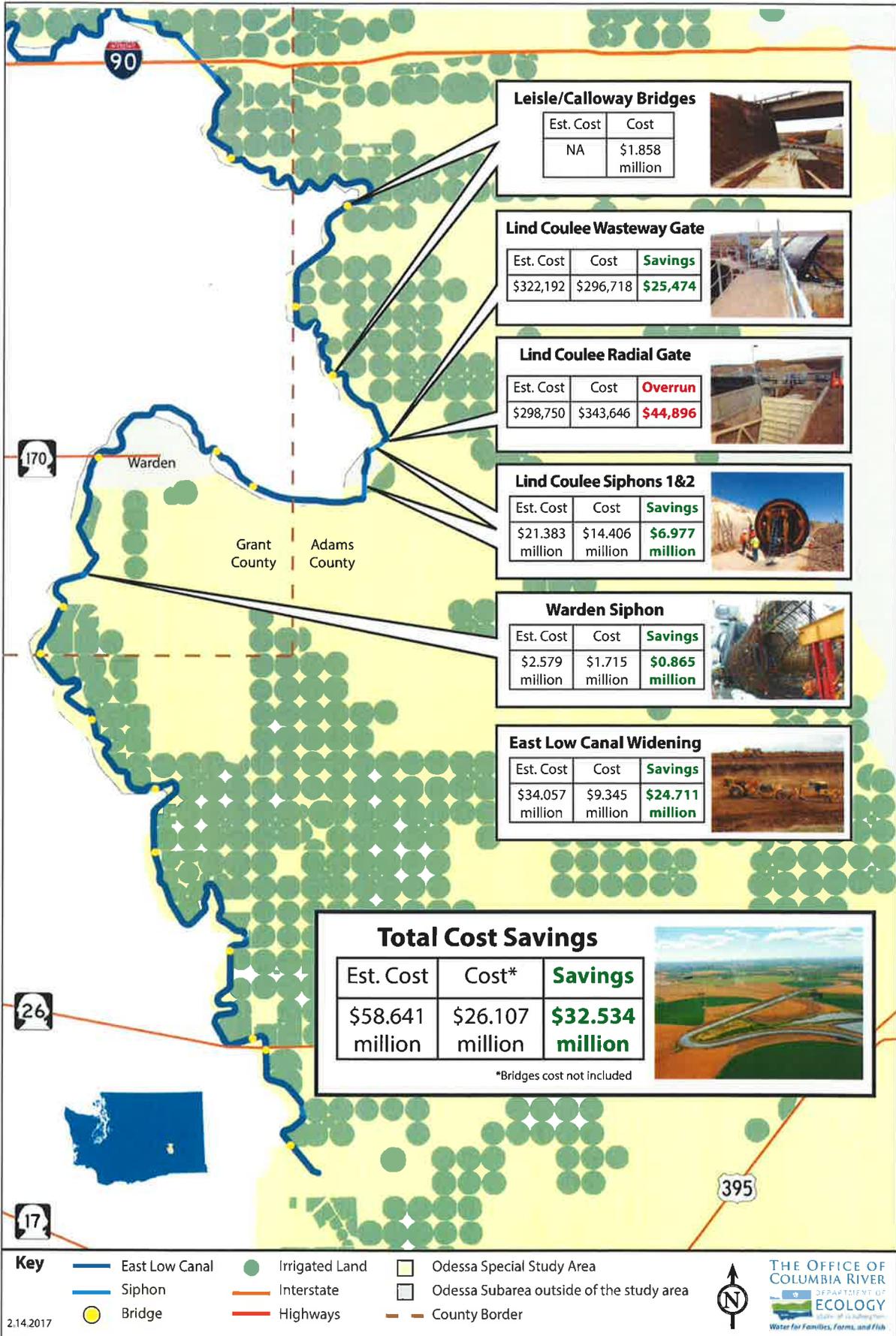
Office of the Columbia River Grant #G1400371

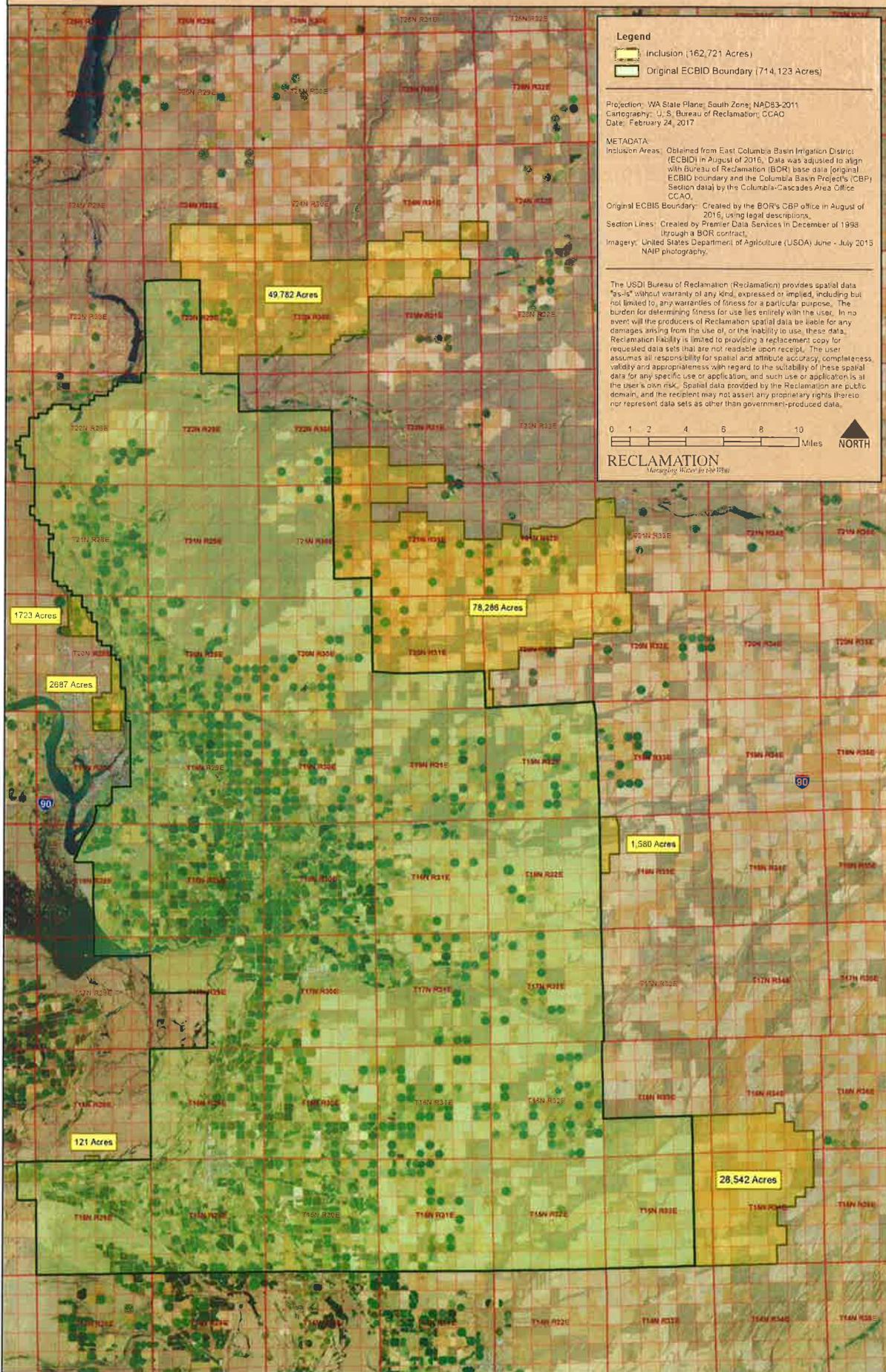


Odessa Groundwater Replacement Program Cost Savings

Actual costs compared to original estimates

2012-2017





Legend

- Inclusion (162,721 Acres)
- Original ECBID Boundary (714,123 Acres)

Projection: WA State Plane, South Zone; NAD83-2011
 Cartography: U.S. Bureau of Reclamation; CCAO
 Date: February 24, 2017

METADATA

Inclusion Areas: Obtained from East Columbia Basin Irrigation District (ECBID) in August of 2016. Data was adjusted to align with Bureau of Reclamation (BOR) base data (original ECBID boundary and the Columbia Basin Project's (CBP) Section data) by the Columbia-Cascades Area Office (CAO).

Original ECBID Boundary: Created by the BOR's CBP office in August of 2016, using legal descriptions.

Section Lines: Created by Premier Data Services in December of 1998 through a BOR contract.

Imagery: United States Department of Agriculture (USDA) June - July 2015 NAIP photography.

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0 1 2 4 6 8 10 Miles

RECLAMATION
Managing Water in the West

NORTH

