

**Central Klickitat Conservation District
Eastern Klickitat Conservation District**

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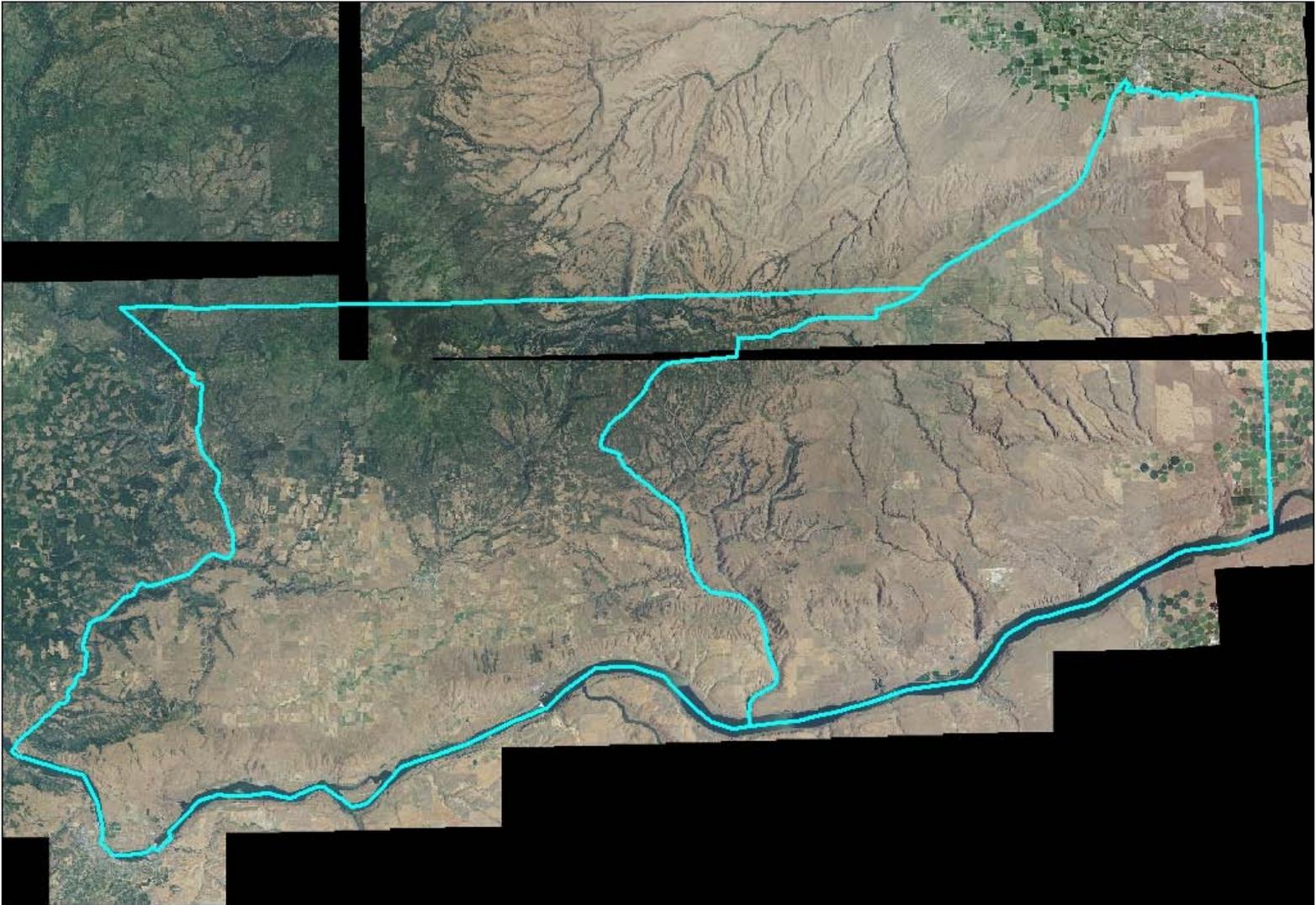


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Boundaries





History and Mission

Central Klickitat Conservation District Established 1944

The mission of the Central Klickitat CD is to improve, conserve and promote the wise use of natural resources by serving citizens within the CKCD through education, public information, technical advice, and financial assistance.



CKCD Programs, Goals, Priorities

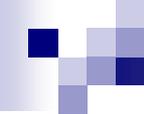
- District Cost Share
 - Pond renovation
 - Spring Enhancements
 - Permanent Cover, Wildlife habitat
 - Irrigation Efficiencies
 - No-till Seeding
- Stream Projects
- CCPI (Cooperative Conservation Partnership Initiative)
- Livestock Project Cost Shares
- Monitoring

Little Klickitat River Total Maximum Daily Load

- Result of 2002 study by Brock and Stohr – listed for Temperatures above water quality standards
- Detailed Implementation Plan by Ryan Anderson, March 2005
- 14 water quality impaired sections
- The projects implemented by CKCD since then have been designed to implement the BMPs identified in the DIP.
- Work closely with WRIA 30 Water Resource Planning and Advisory Committee (WRPAC) to identify and implement projects

Projects implemented since 2005:

- 2,390 linear feet of bank repaired with and additional 1,150 feet pending, awaiting design or permits
- Fish habitat structures were constructed as part of these projects – log vanes, root wads
- Approximately 250,000 square feet of riparian area has been planted and stabilized



Other Conservation Projects

Livestock cost share projects funded through various sources:

- 10 off site watering troughs with spring enhancements
- 2 Hardened feed areas – approximately 83,000 square feet
- 2 Settling ponds
- 1 Wildlife habitat pond (engineering and construction oversight)
- Approximately 15,000 feet of exclusion fencing
- 3 Bridges (livestock)
- 2 Hardened crossings
- 5 Hardened water gaps
- 4 ponds cleaned

A total of \$175,000 in cost share has been paid out since 2005

Both Districts work with NRCS to provide cost share for landowners cooperating in EQIP programs

Other Conservation Practices

Cooperative Conservation Partners Initiative (CCPI)

- New program in 2009 from NRCS
- CKCD applied for and received \$326,000 for irrigation efficiency upgrades in Little Klickitat and Swale Creek watersheds
 - Total payout in 2009 was \$372,000 for 6 center pivot conversions, 3 miles of mainline upgrades, IWM, and variable speed pump upgrades

Funding for 2010 will be \$280,000

- 5 Center Pivot Conversions from wheel lines
- Mainline conversion from above ground aluminum to PVC
- Irrigation Water Management (IWM)
- Variable speed pump upgrades

Wheel lines are 40% to 70% efficient

Center Pivots are 90% to 93% efficient

Uniformity of Application goes from 40%-70% to 93%
with less water

Little Klickitat River Projects

Singing Bridge Phase 1









After Construction Ordinary High Water













Little Klickitat Project 2005













MAY 10 2006

Livestock Projects

Feed Area Before Project











Irrigation Equipment Updated with CCPI



No-Till Drill Purchased by Yakama Nation







Eastern Klickitat Conservation District

History and Mission

- **Eastern Klickitat Conservation District
Established 1940**
- *The mission of the Eastern Klickitat CD is to improve, conserve, and promote the wise use of natural resources by providing technical, financial, educational, and research assistance for landowners, users of natural resources, individuals & organizations interested in natural resource issues within EKCD.*



Pine Creek Phase 1 Upstream



Precision Agriculture Equipment

Auto Steer, Rate Control, Swath Management, E-C Mapping, Yield Monitoring







Monitoring Water Quality

Water Quality Data Gathered

- 17 Sites CKCD
- 5 Permanent Stations CKCD
- 19 Sites EKCD

Data Entered into Ecology's EIM Database

<http://www.ecy.wa.gov/eim/>

Parameters Gathered at each site

- Temperature
- Stream Flow
- Turbidity
- pH
- Dissolved Oxygen
- Selected Sites
 - Fecal Coliform (4)
 - Air Temperature



Little Klickitat and Swale Creek Watersheds - Monitoring Site Locations

Central Klickitat Conservation District



Butler Creek 1 August 2007



Butler Creek 1 May 2008



Little Klickitat River 1 May 2008



Little Klickitat River 1 July 2007



Thank You

- Questions???????

