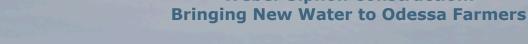
# THE OFFICE OF COLUMBIA RIVER JOBS, FOOD,

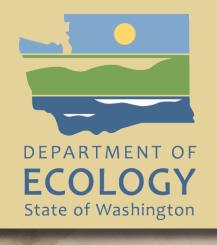


October 2010 Issue One



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- Weber Siphon: Bringing new water to Odessa farmers.
- The Red Mountain AVA Project provides water for farms and fish.





## THE OFFICE OF COLUMBIA RIVER

Shortly after the turn of the millennium, business, agricultural, environmental, tribal, and governmental leaders sat down with water managers to find a new way to deal with Eastern Washington's critical water issues. The problems they faced were immense: aquifers in the Odessa Subarea were rapidly declining; low stream flows threatened salmon and steelhead; interruptible water right holders faced curtailment during droughts; cities struggled to meet the demand for additional water as they grew; new water rights for agriculture, industry, and communities were subjected to years of litigation as various parties fought over the best use of this scarce resource.

As a result of these meetings, the Legislature passed RCW 90.90 in 2006. The statute created an account to fund the development of new water supplies. The Department of Ecology was tasked with managing the account, and it created the Office of the Columbia River (OCR) to do the job.

OCR has added over 147,000 acre-feet to Eastern Washington's water supply since then and will begin issuing new water rights in 2011. Another 292,000 acre-feet (ac-ft) is under development in the near term with much more under long-term development.



**Economic Benefits** \$4M Annually \$1.4B Increased Tax Base

**Environmental Benefits** 4,600 ac-ft added to stream flows.

## SULLIVAN LAKE: NEW WATER FOR CITIES AND SALMON

OCR saw an opportunity when it learned that the Pend Oreille Public Utility District (PUD) would no longer generate power at its Sullivan Lake facility. Potential water supply development projects are scarce in the northeast corner of the state. Sullivan Lake would be a great source for water that could be put to both instream and out-of-stream use.

Working with the PUD and local stakeholders, OCR secured 14,000 ac-ft of Sullivan Lake water for release each summer, when the water is needed most. Two-thirds of that water will be allocated for new water rights for communities in Pend Oreille, Ferry, Lincoln, Stevens, Okanogan, and Douglas counties. The remainder will go to enhance streamflows.

# ISSUING WATER RIGHTS FROM THE LAKE ROOSEVELT RELEASES

With help from the U.S Bureau of Reclamation, OCR will reach an important milestone when it begins issuing new municipal/industrial (M&I) permits next year. Water-strapped cities and businesses, many who've been waiting years for relief, will be the recipients of the largest block of M&I water, 25,000 acre-feet, that has been developed in decades.

Another 30,000 acre-feet portion is being readied for the Odessa Subarea, where declining aquifers could devastate the local economy. Additionally, the releases will help endangered salmon and steelhead by adding 27,500 acre-feet to Columbia River stream flows. Fish and interruptible water right holders will benefit as well from the extra 50,000 acre-feet of water that will be released in times of drought.



Economic Benefits
35,000 Jobs Added
\$3B Increased Tax Base
780+ Jobs Protected

Environmental Benefits 27,500 ac-ft for stream flows 17,000 additional ac-ft for stream flows in drought years.

# WEBER SIPHON: BRINGING WATER TO ODESSA FARMERS

After securing a new source of water from the Lake Roosevelt releases, OCR faced a new challenge: There was no way to deliver it to the southern part of the Columbia Basin. Interstate 90 was the problem. There was only one point, the Weber Siphon Complex, where water from the Columbia Basin Project passed under I-90, and it wasn't large enough to handle the additional flow. A second siphon would be required.

The U.S. Bureau of Reclamation had piping in place under I-90 at the Weber Siphon Complex. It just needed to be connected with the rest of the system. OCR paid for the design and worked with Reclamation and Washington's congressional delegation to get stimulus funding. Construction is now underway.

OCR will deliver 7,000 ac-ft of Lake Roosevelt water through Weber Siphon once it is finished. The siphon has the capacity to deliver much more water when new water supplies are developed.



Economic Benefits \$30M in construction funding. 8 jobs as of July 1, 2010. More added as construction moves further along.



Economic Benefits \$9.2M Annually 103 Jobs Added

Environmental Benefits 7,500 ac-ft added to steam flows. 1,200 acres of shrub steppe habitat protected

# RED MOUNTAIN AVA PROJECT: WATER FOR JOBS AND FISH.

Some of the best wine grapes in the world are grown in Washington's Red Mountain American Viticulture Area (AVA), but a lack of water prevented growers from planting new vineyards. The bordering Yakima River has water problems as well--summer flows are critically low in the stretch upstream from Red Mountain AVA.

OCR, in partnership with the Kennewick Irrigation District (KID), solved both problems in a very creative way. Water savings from efficiency improvements and past land use changes are being used to provide irrigation for additional wine grape acreage. Stream flows will increase between Prosser and Benton City by moving the KID's diversion point down stream.

Working with the Washington Department of Fish and Wildlife, OCR also developed a mitigation plan to protect nearly 1,200 acres of shrub steppe habitat.



## **OCR Funded Projects**

## Aquifer Storage & Recovery

Ac-Ft of Water = TBD (Regional) Cost = \$ 1,750,000

## Campbell Creek Reservoir

Ac-Ft of Water = 500 Cost = \$232,500 (Study)

#### Chelan PUD Pump Storage Appraisal

Ac-Ft of Water = 50,000 Cost = \$165,000 (Pre-Appraisal 8 sites) Cost = \$400,000 (Appraisal 2 sites)

### Columbia Basin Irrigation **District Piping**

Cost = \$30,000 (Study) Ac-Ft of Water = 2,521 (2009) Cost = \$1M (2009) Jobs = 13 (2009)Econ. Value = \$2M (2009) Ac-Ft of Water = 3,200 (2010) Cost = \$2M (2010)

## Yakima River Water

Ac-Ft of Water = 350,000 Cost = \$3,350,000 (Study) \* SBCA Funding

#### Potholes Supplemental **Feed Route**

Conveyance Cost = \$15,147,748

### **Wanapum Pool Raise**

Ac-Ft of Water = 70,000 Cost = \$500,000 (Wanapum EIS)

## Crab Creek Storage Project

Ac-Ft of Water = 1-3 Million Cost = \$4,112,139

## **Completed, Constructed Projects**

**Active, Priority Development Projects** 

## **Pending: Technical, Legal or Funding Issues**

On Hold

\*All projects funded from the Columbia River Water Supply Development Account unless otherwise noted.

## Chelan PUD: Rock Island Off **Channel Storage**

Ac-Ft of Water = 85,300 Cost = \$125,000 (Pre-Appraisal)

### Foster CD: Moses Coulee **Shallow Aquifer Recharge**

Ac-Ft of Water = TBD Cost = \$93,750 (Pre-Appraisal) Cost = \$200,000 (Appraisal)

### Similkameen Storage Project (Shanker's Bend)

Acr-Ft of Water = 50,000 - 1.7M Cost = \$325,000 (Study)

#### Goose Lake & 9 Mile Flat Water Storage (Colville Tribe)

Ac-Ft of Water = 4,750,000 Cost = \$600,000 (Pre-Appraisal)

## Sullivan Lake Water Supply

Ac-Ft of Water = 14,000 Cost = \$14,000,000

## Mill Creek Storage Study

Ac-Ft of Water = 2,000-11,000 Cost = \$125,000 (Pre-Appraisal) Cost = \$425,000 (Appraisal)

## Incremental Storage Releases

Ac-Ft of Water = 132,500 Cost = \$4,861,000 (+ \$5.6M, annually) Econ. Value = \$3B (Muni/Industrial) Jobs = 35,000 (Muni/Industrial) Econ. Protected = \$1.1B/vr (Odessa) Jobs Protected = 784 (Odessa) Econ. Protected = \$9.5M/yr (Drought) Jobs Protected = 140 (Drought)

### Spokane-Rathdrum Prairie ASR Study

Ac-Ft of Water = TBDCost = \$250,000 (Study)

#### Lands Council (Beavers Study)

Ac-Ft of Water = TBD Cost = \$30,000 (Study) Cost = \$100,000(No longer OCR funded)

#### WSU/WDFW Supply & **Demand Report**

Demand Forecasted = TBD Cost = \$1,000,000 (Study)

Ac-Ft of Water = 110,000

#### Passive Rehydration (Lincoln County CD) Feasibility Study

Ac-Ft of Water = 300,000 Cost = \$925,000 (Study)

## Conservation Commission Irrigation Efficiencies

Ac-Ft of Water = TBD (Regional) Cost = \$2,000,000

#### **Conservation Commission Retiming Pilot**

Ac-Ft of Water = TBD Cost = \$1,000,000

## SRB & Tribal Fisheries Project

Weber Siphon

Cost = \$800.000

Conveyance

Ac-Ft of Water = TBD (Regional)

#### Rocky Reach Pool Raise

**Peshastin Pump** 

Cost = \$200,000

Peshastin Irrigation District

Lower Wenatchee In-Stream

Flow Enhancement Project

Ac-Ft of Water = 1493

Cost = \$1,100,000

Ac-Ft of Water = 360

Cost = \$245.000

Ac-Ft of Water = TBD

Ac-Ft of Water = 28,000 Cost = \$500,000 (EIS) Cost = \$50,000 (Pre-appraisal)

## Manashtash Piping

Ac-Ft of Water = 454 Cost = \$376.000

## 508.14 Rule Change

Ac-Ft of Water = TBD Cost = TBD

## White Salmon ASR

Ac-Ft of Water = 145 Cost = \$956,950

## Klickitat County (Horse Heaven Hills) Study

Ac-Ft of Water = 105,000 Cost = \$170,000 (Pre-Appraisal) Cost = \$300,000 (Appraisal)

## **Red Mountain AVA Pump Project**

Ac-Ft of Water = 11,005 Cost = \$95,000 (Study)

Cost = \$10,000,000 (Construction Cost = \$500,000 (Mitigation)

## Ac-Ft of Water = 6,436

Cost = \$5,600,000Jobs = 71Fcon Value = \$10.890.000

Barker Ranch Canal Piping

### Ac-Ft of Water = TBD

Kennewick ASR

Cost = \$2,250,000

Ac-Ft of Water = 318+

Franklin CD IWM Study Cost = \$78,000 (Study)

Walla Walla

**Pump Exchange** 

Ac-Ft of Water = 30,000

Cost = \$40M (Construction)

Cost = \$600,000 (EIS)

Columbia River

## **Boise Cascade ASR**

Odessa Subarea

Ac-Ft of Water = 250,000

Cost = \$8,223,469 (Study)

Ac-Ft of Water = 1.657 Cost = \$6,000,000

Cost = \$ 1,000,000

## Special accommodations

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