CBP Districts with Canals & Laterals

- 2009 Water Conservation Projects
- Canals and Laterals
- East Columbia Basin Irrigation District
- Quincy-Columbia Basin Irrigation District
- South Columbia Basin Irrigation District
- Water
Geology Map

2009 Water Conservation Projects
- Canals and Laterals
- Water

GEOLOGY
- Mc - Continental sedimentary deposits or rocks
- Mcg - Continental sedimentary deposits or rocks, conglomerate
- Mv - Basalt flows
- PLMa - Alluvial fan deposits
- PLMc - Continental sedimentary deposits or rocks
- PLMcg - Continental sedimentary deposits or rocks, conglomerate
- QPLcg - Continental sedimentary deposits or rocks, conglomerate
- Qa - Alluvium
- Qaf - Alluvial fan deposits
- Qd - Dune sand
- Qda - Dune sand, active dunes
- Qds - Dune sand, stabilized dunes
- Qfg - Outburst flood deposits, gravel
- Qfs - Outburst flood deposits, sand and silt
- QI - Loess
- Qls - Mass-wasting deposits, mostly landslides
- Qoa - Alluvium, older
- Qta - Talus deposits
Project Drainage Locations

2009 Water Conservation Projects
- Canals and Laterals
- Water
- Subwatershed
- Drains to Potholes Reservoir
- Drains to Potholes East Canal
- Drains to Columbia River
<table>
<thead>
<tr>
<th>District</th>
<th>Block</th>
<th>Location</th>
<th>Length (ft)</th>
<th>Design Flow (cfs)</th>
<th>Pipe Size</th>
<th>Geology</th>
<th>Estimated Cost</th>
<th>Seepage Rate (ft/day)</th>
<th>Assumed Savings (AF/yr)</th>
<th>Cost per AF Savings</th>
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### East District Projects

#### 2009 Water Conservation Projects

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<th>Pipe Size</th>
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<th>Estimated Cost</th>
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2009 Projects

- 22,250 feet of pipe to replace open canal
- 1,500 feet of canal lining
- Estimated cost: $1.06 million
- Estimated water savings: 1,286 AF/yr
  - Quincy District: 211 AF/yr (Columbia River)
  - East District: 718 AF/yr (Potholes East Canal)
  - South District: 357 AF/yr (Columbia River)
- Cost per AF of water saved: $824/AF/yr