

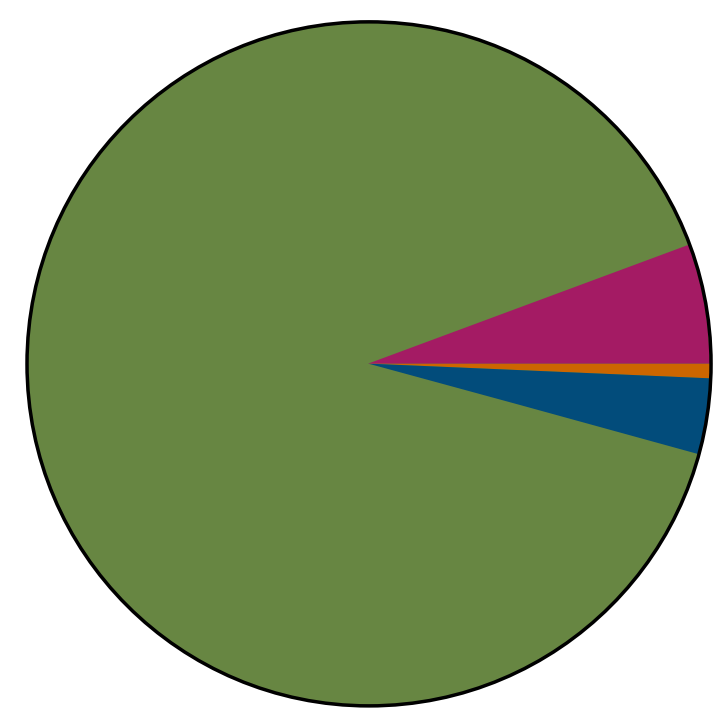
Water Supply in the Upper Deschutes Basin

Water Supply Goals—Secure and Maintain:

- Streamflows and water quality for the benefit of fish, wildlife and people
- A reliable and affordable water supply to sustain agriculture
- A safe, affordable and high quality water supply for urban communities

BASIN WATER RIGHTS DISTRIBUTION

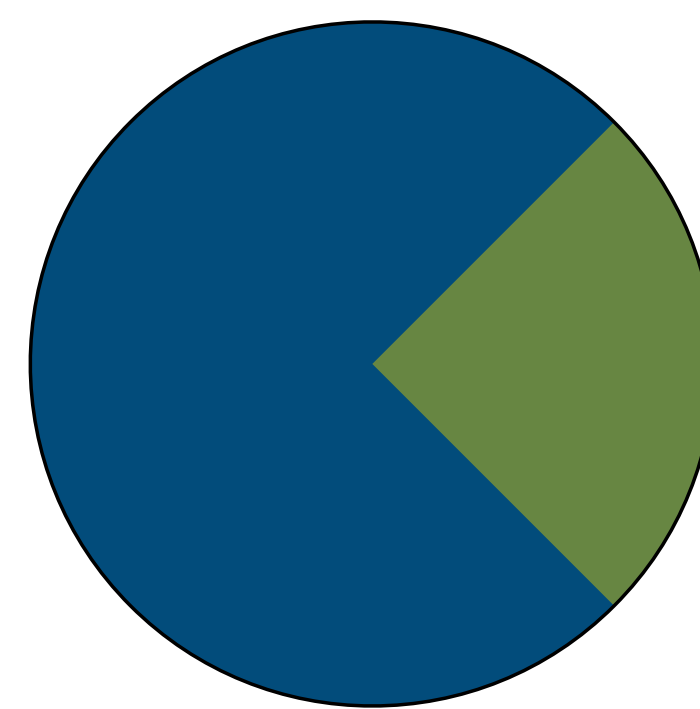
As of 2006 Deschutes Water Alliance Studies



- Agricultural
- Municipal & Industrial
- Resorts
- Instream

ESTIMATED SUPPLY SHORTFALLS

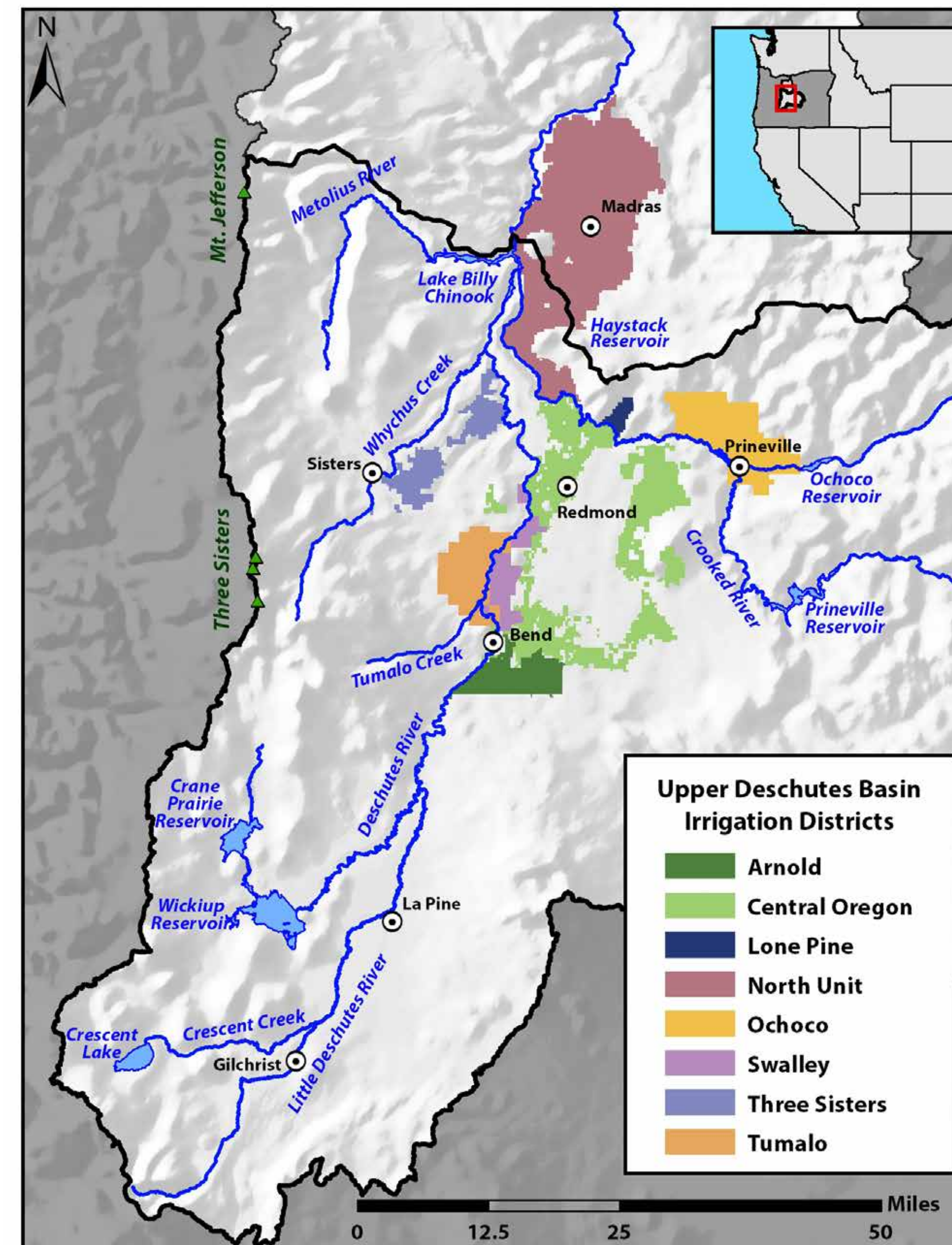
2006 Deschutes Water Alliance Studies (to 2025)



- Agricultural, Municipal & Industrial, and Resorts (combined)
- Rivers

The Need for Integrated Solutions:

- 8 irrigation districts
- 5 reservoirs
- Low and altered streamflows
- Cities and private water suppliers
- A finite supply of water



Total Annual Inflows to the Basin

- 860,000 to 2.3 million AF

Instream Demand

- Median shortages associated with meeting instream water rights and existing irrigation demands are approximately 130,000 AF. Shortages range up to 300,000 AF in dry years.
- To meet higher flows that may contribute to broader ecological benefits in some reaches, median shortages are approximately 200,000 AF, ranging up to 400,000 AF in dry years.

Irrigation Demand

- Average annual surface water diversion for major irrigation districts is 724,000 AF
- Goal to maintain existing water supply reliability
- More challenging for “junior” irrigation districts

Municipal Demand

- Current annual diversion (mostly groundwater): 40,000 AF
- Projected 50-year demand will require 16,000 AF of water dedicated instream for groundwater mitigation

