

Meeting Future Groundwater Needs

Municipal • Industrial • Commercial • Irrigation



THE UPPER DESCHUTES
BASIN STUDY
Water for agriculture, rivers & cities

Overview

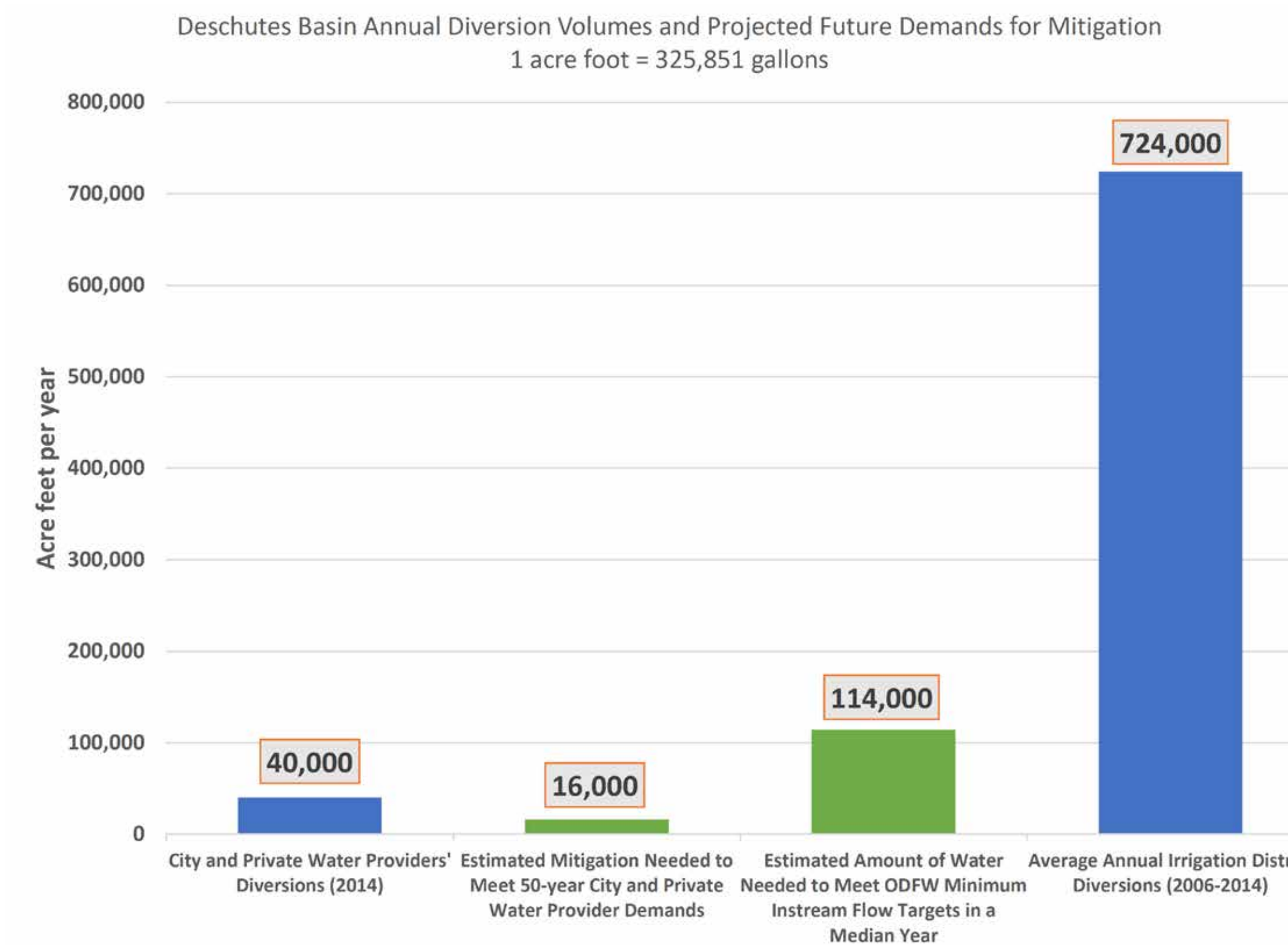
- Deschutes Basin surface waters are fully allocated and generally not available to meet future water supply needs.
- Most groundwater use in the basin requires a water right from Oregon Water Resources Department and must provide mitigation:
 - Mitigation is required because groundwater pumping affects surface water flows.
 - Mitigation is generally provided by dedicating water instream to offset groundwater pumping impacts.
- Majority of projected mitigation demand is for municipal, commercial and industrial water use provided by public (city) and private water providers.

Current and Future City and Private Water Provider Use

- Most city and private water providers rely on groundwater.
- The Study estimated city and private water provider diversions of approx. 40,000 AF annually.
- Meeting ALL the 50-year projected groundwater demands will require approximately 21,000 AF of mitigation (water dedicated instream) annually.
- Meeting 50-year city and private water providers projected demands will require approx. 16,000 AF of mitigation (water dedicated instream) annually.

Meeting Future Groundwater Needs

- Mitigation for future groundwater needs is one of three foundational goals for the Basin Study, along with improving streamflow and improving irrigation water supply security and efficiency.
- The Study will evaluate how well various water supply tools and water management scenarios could establish the requirements to meet groundwater mitigation needs.



Projected 50-year Demand for Mitigation
Approximately 21,000 Acre Feet

