

WaterMAPS™ SOFTWARE

WaterMAPS™ is a custom software application that has been developed by an interdisciplinary team of Utah State University researchers for the purpose of promoting urban landscape water conservation. The tool identifies urban properties with irrigated landscapes that have the greatest “capacity to conserve” water.

OBJECTIVES: The mission of the WaterMAPS™ team is to provide technical assistance to water suppliers in support of urban water demand management, conservation programming, and planning and policy decisions. WaterMAPS™ was developed as an analytic and public information tool to help municipalities, water districts, or managers of metered pressurized secondary irrigation systems better understand patterns of landscape water use. Increasing landscape water use efficiency offers one of the greatest opportunities for reducing urban water demand in order to manage scarce water supplies in the context of aridity, drought and climate variability.

PRACTICAL UTILITY OF WATERMAPS™: RESEARCH PARTNERSHIPS

- **Salt Lake City Department of Public Utilities (SLCDPU)** will use WaterMAPS™ to: 1) direct conservation efforts to the locations with the greatest capacity to conserve; 2) individualize customer feedback through data analytics; 3) track water use over time and customize information; and, 4) document conservation program effectiveness.
- **Eagle Mountain City** is evaluating their landscape water use on city property as well as by city residents. We are assisting the city with public outreach efforts and landscape planning and design for public spaces utilizing WaterMAPS™ analysis. We will develop a baseline of current water use by public and private landscape irrigators and to develop water conservation education materials.