

# WATER CONSERVATION STRATEGIES

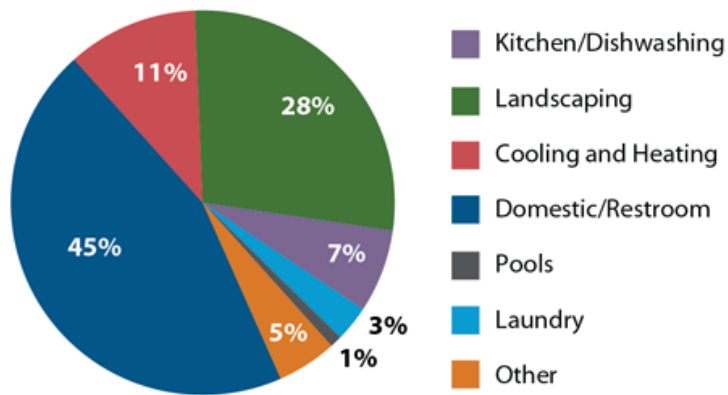
ON TEXAS CAMPUSES OF HIGHER EDUCATION

HANNAH ZELLNER

MASTER IN ENERGY & EARTH RESOURCES CANDIDATE  
JACKSON SCHOOL OF GEOSCIENCES  
THE UNIVERSITY OF TEXAS AT AUSTIN

# WATER CONSERVATION

**End Uses of Water in Schools**



- 6% of total water use in commercial and institutional facilities takes place in educational facilities
- The largest uses of water:
  - restrooms, landscaping, heating and cooling, and cafeteria kitchens
- Implementing water-efficient practices can decrease operating costs by ~11% and energy and water use by 10% and 15% respectively.

# TRACS WATER CONSERVATION SURVEY

## TRACS Water Conservation Survey

Thank you for participating in the TRACS Water Conservation Survey. This survey is the first step in a collaborative water conservation campaign focused on compiling and promoting best practices in water conservation in higher education.

Please complete the General Information section and then use the Navigation Menu to select other appropriate sections of the survey. Please forward this survey to others on your campus to complete all sections of the survey for your institution.

The survey includes the following sections:

- General Information
- Irrigation and Landscaping (12 questions)
- Building Use- General and Educational (8 questions)
- Building Use- Auxiliary (9 questions)
- Utilities (5 questions)
- Education (5 questions)
- Governance and Policy (8 questions)

The survey will be available until **Thursday, October 31st**.

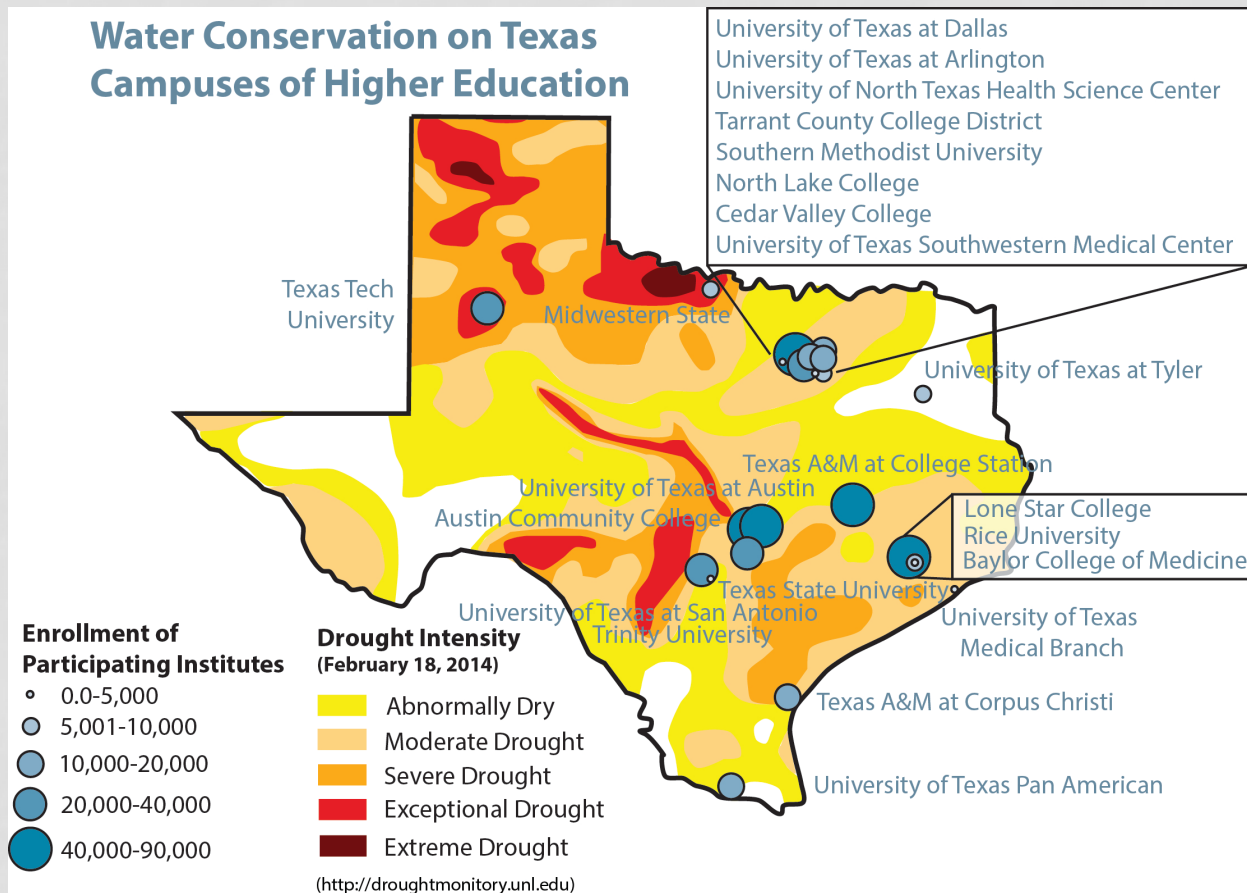
For more information on the TRACS Water Conservation Survey, please email [TRACS.Water@gmail.com](mailto:TRACS.Water@gmail.com).



- Best Practices in:
  - Irrigation and Landscaping
  - Building use (Gen. Ed. & Aux.)
  - Utilities
- Education
- Governance and Policy

# PARTICIPATION

## Water Conservation on Texas Campuses of Higher Education

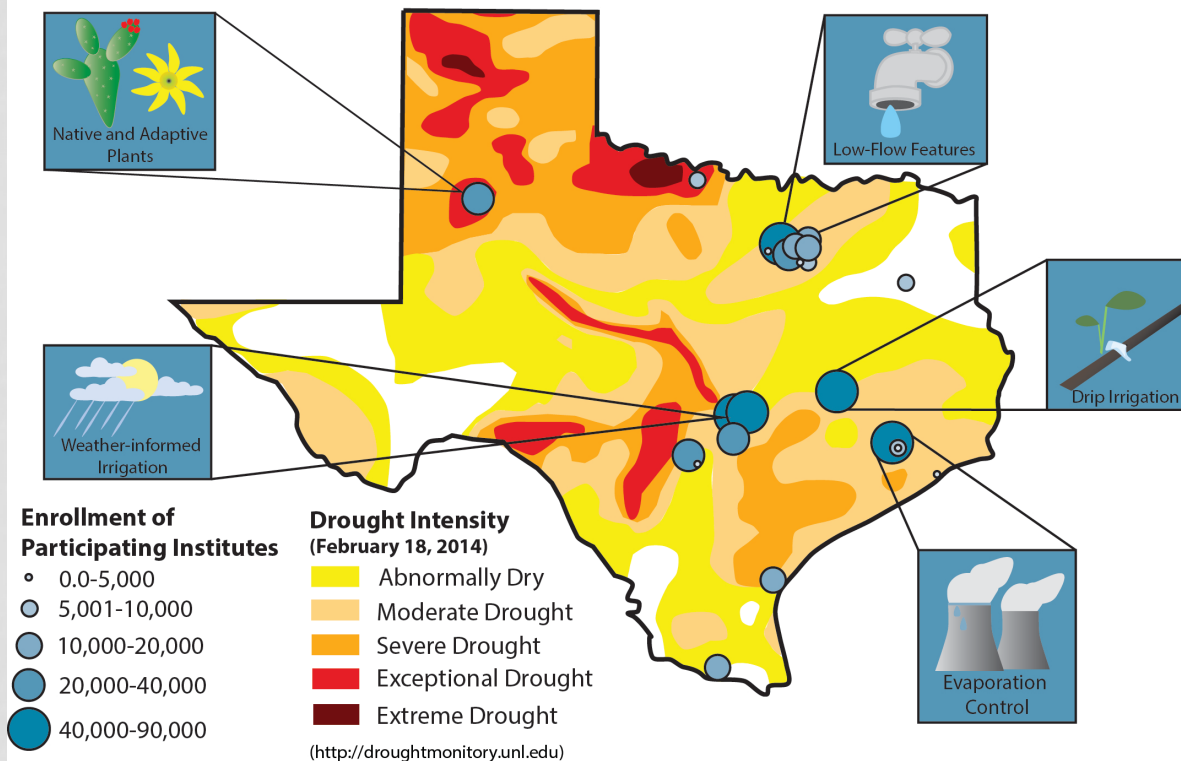


- 176 HEIs in Texas
- 28 have participated in some capacity
- Public, private, community, big and small



# RESULTS

## Water Conservation on Texas Campuses of Higher Education



- Perceived Effectiveness
- Increased Awareness
- TWDB Efficiency Study: strategies that are likely to be implemented

# CONCLUSIONS AND FUTURE PLANS

- Need more data to look at regional trends
- More awareness and monitoring is needed state-wide
- Analyze HEI enrollment size versus irrigated acres
- Commuter/community colleges' resource use
- Public vs Private