

Envision2030 Goal 6: Clean Water and Sanitation

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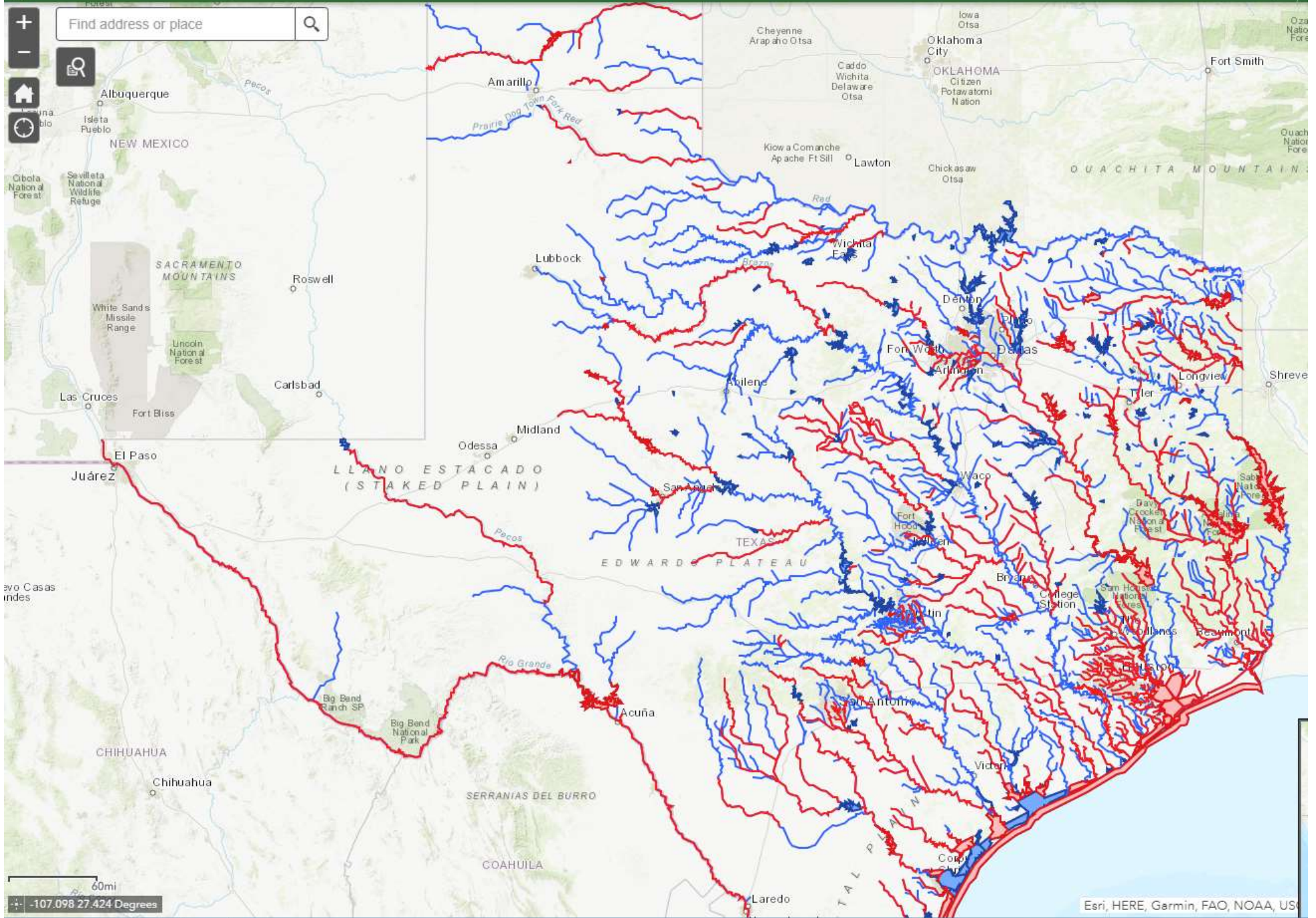
TEXAS A&M
AGRI LIFE
EXTENSION



- **6.1** By 2030, achieve universal and equitable access to safe and affordable drinking water for all
- **6.2** By 2030, achieve access to adequate and equitable sanitation and hygiene for all and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations
- **6.3** By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally
- **6.4** By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity
- **6.5** By 2030, implement integrated water resources management at all levels, including through transboundary cooperation as appropriate
- **6.6** By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes
- **6.A** By 2030, expand international cooperation and capacity-building support to developing countries in water- and sanitation-related activities and programmes, including water harvesting, desalination, water efficiency, wastewater treatment, recycling and reuse technologies
- **6.5** Support and strengthen the participation of local communities in improving water and sanitation management

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Find address or place



60mi
-107.098 27.424 Degrees

Types & Sources of Pollution

- Debris



- Sediments

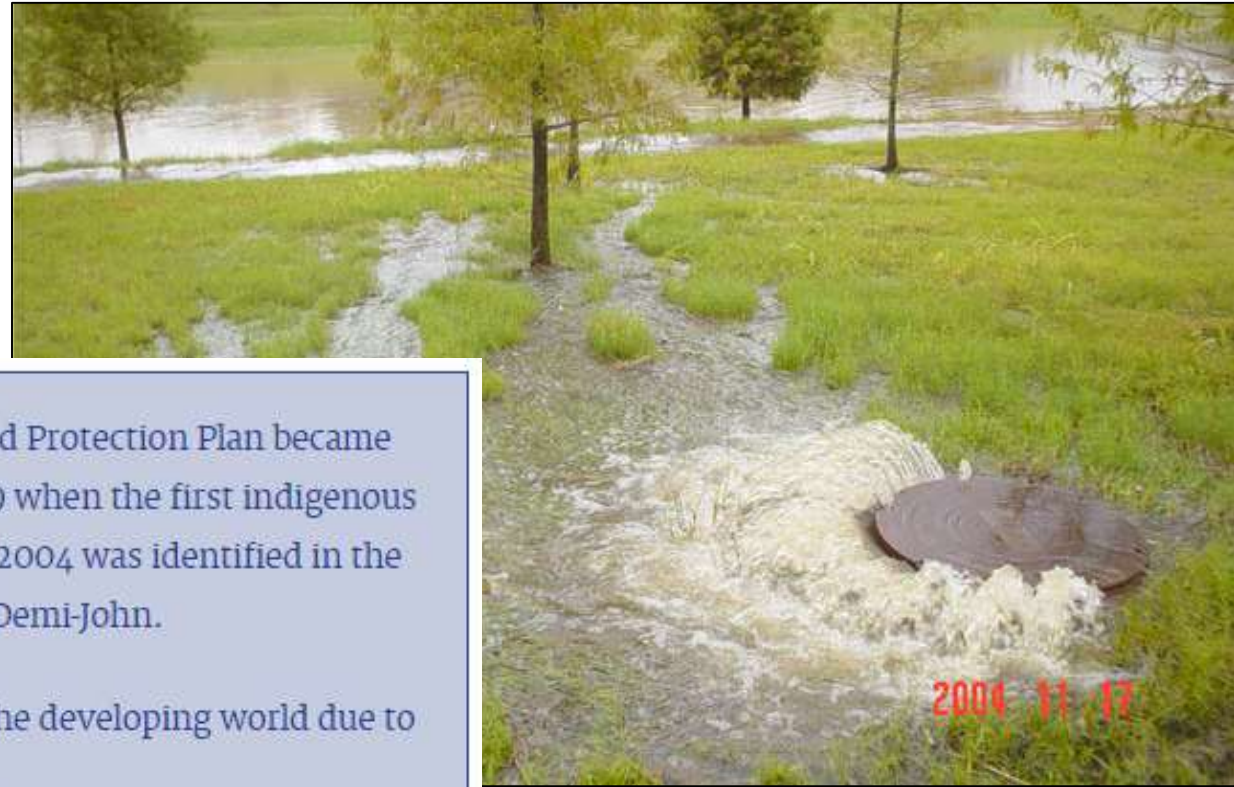
- Nutrients



Our everyday actions.

- Pathogens/bacteria





The importance of the Watershed Protection Plan became especially apparent in early 2009 when the first indigenous case of cholera in the U.S. since 2004 was identified in the small watershed community of Demi-John.

Cholera is most often found in the developing world due to contact with untreated sewage.

In this case, contact with water contaminated by a large number of malfunctioning OSSFs was the cause of the infection, driving home the necessity for the WPP and efforts to restore and protect water quality in the watershed.

Green Infrastructure





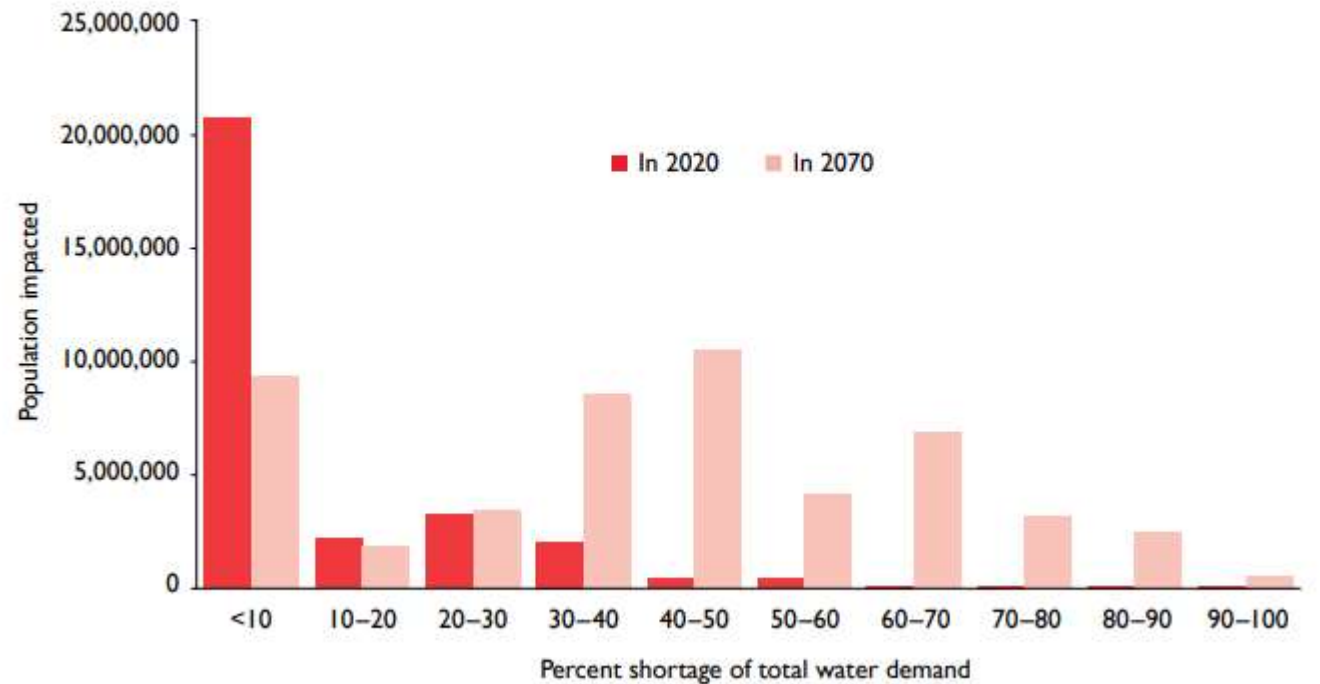


Table 7.1 - Annual water needs by water use category (acre-feet)

Category	2020	2030	2040	2050	2060	2070	Percent change
Irrigation	3,522,000	3,582,000	3,655,000	3,610,000	3,530,000	3,603,000	2
Municipal	511,000	1,058,000	1,575,000	2,119,000	2,742,000	3,413,000	568
Manufacturing	394,000	550,000	637,000	733,000	825,000	953,000	142
Steam-electric	199,000	294,000	356,000	469,000	601,000	769,000	287
Mining	116,000	128,000	119,000	113,000	113,000	122,000	5
Livestock	18,000	22,000	22,000	28,000	32,000	32,000	74
Texas^a	4,760,000	5,634,000	6,364,000	7,072,000	7,843,000	8,892,000	87

^a Statewide totals may vary between tables due to rounding.

Figure 7.3 - Municipal water needs for statewide population in 2020 and 2070



Things YOU can do

- Pick up pet waste and dispose of it properly
- Maintain your on-site sewage facility
- Pick up trash and dispose of it properly
- Know you your watershed and speak up for it
- Join the Texas Stream Team and collect water data
- Adopt water conservation strategies
- Use native plants in your landscapes
- Harvest rain water for irrigation