

New Mexico Water Use Data: Collection, Reporting, and Sharing

NATIONAL WATER USE DATA WORKSHOP

Julie Valdez

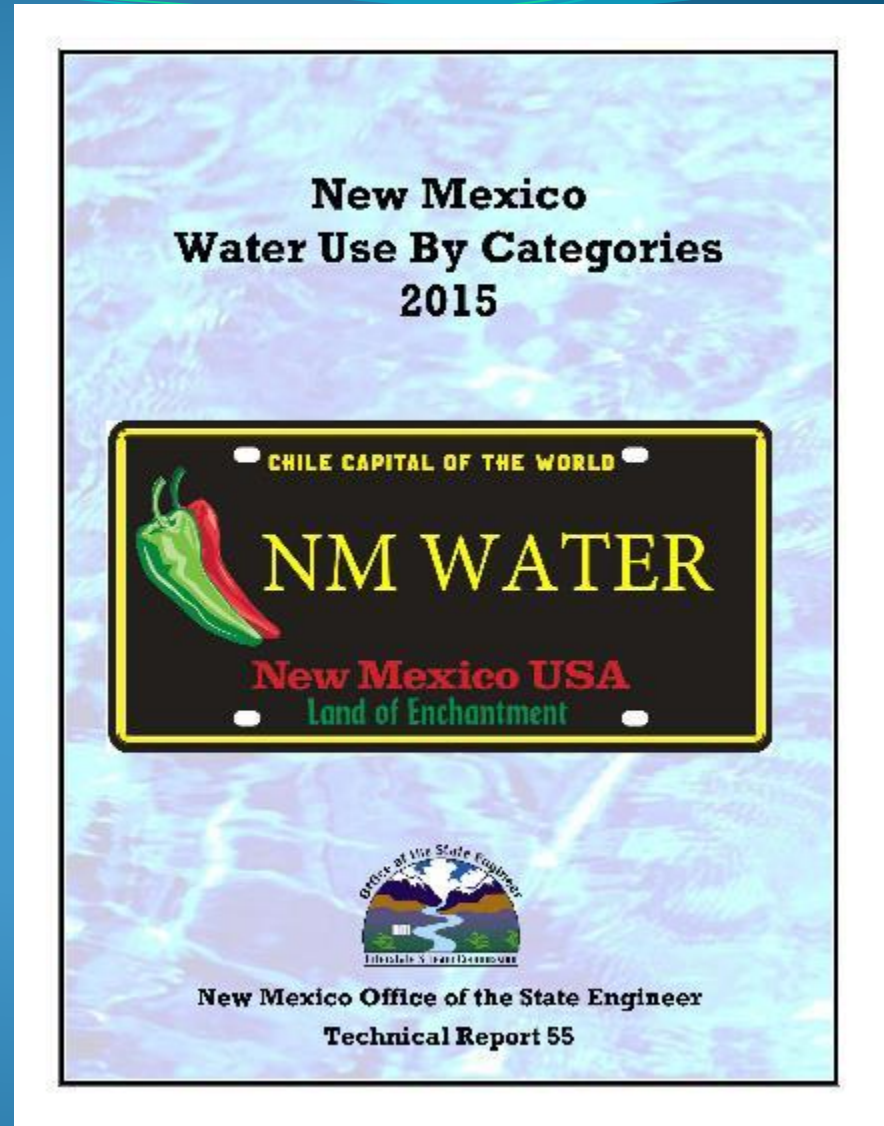
NM Office of the State Engineer

August 17, 2022



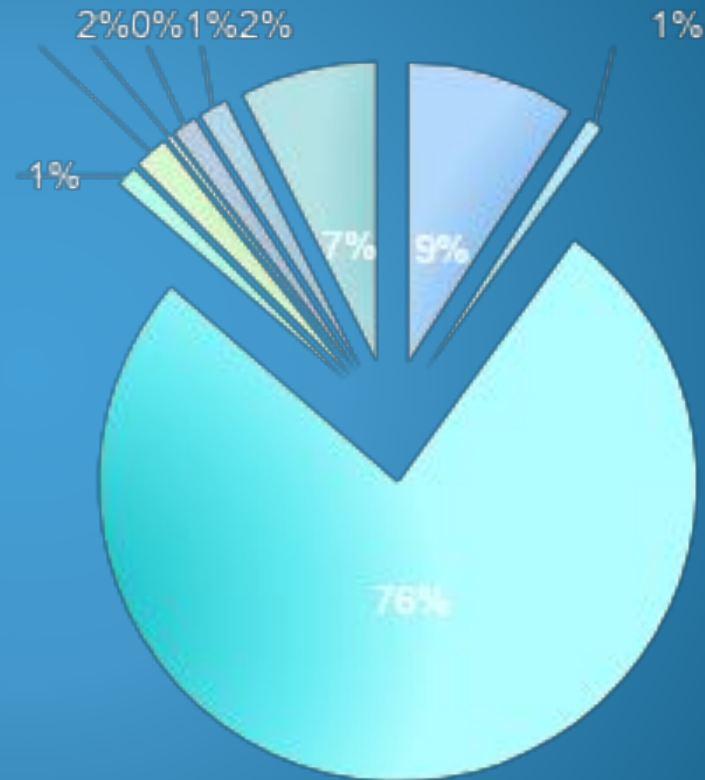
Brief overview

- Collection Methods
- Reporting
- Sharing



NM Water Use by Categories Report

- Public Water Supply (9.1%)
- Self-Supplied Domestic (0.9%)
- Irrigated Agriculture (78.3%)
- Self-Supplied Livestock (1.2%)
- Self-Supplied Commercial (1.9%)
- Self-Supplied Industrial (0.3%)
- Self-Supplied Mining (1.4%)
- Self-Supplied Power (1.6%)
- Reservoir Evaporation (7.4%)



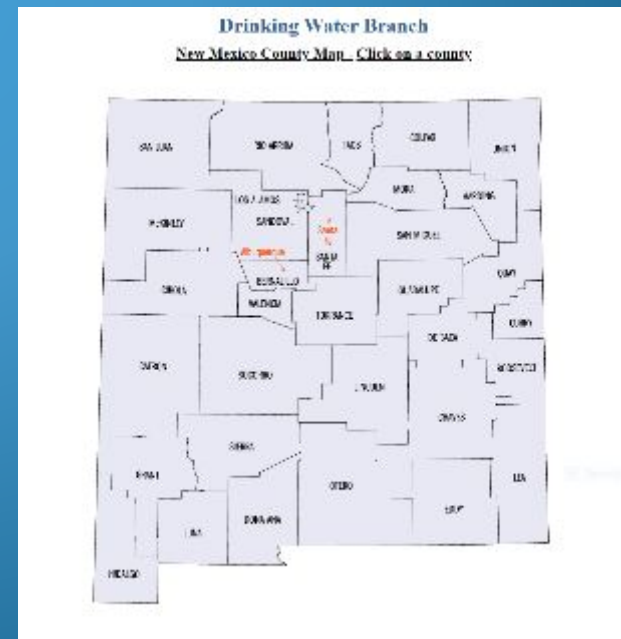
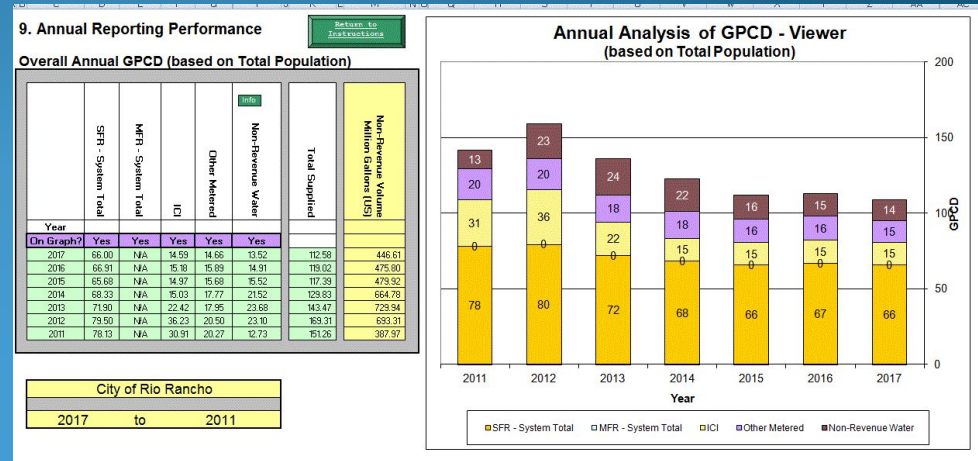
NM Water Use Data Collection Methods

Withdrawal Data:

- Computed
- Meter Data
- Survey Data
- NM GPCD Calculator
- NMED Sanitary Surveys
- Estimated

Population:

- Survey Data
- NMED Drinking Water Watch
- U.S. Census website
- Estimated



NM Water Use Data Collection Challenges/Gaps

Meter Data:

- WATERS Database
- Excel Spreadsheets
- Paper files

Population:

- Overestimated

Agriculture:

- Cropping Patterns



NM Water Use Data Collection Improvements

Meter Data:

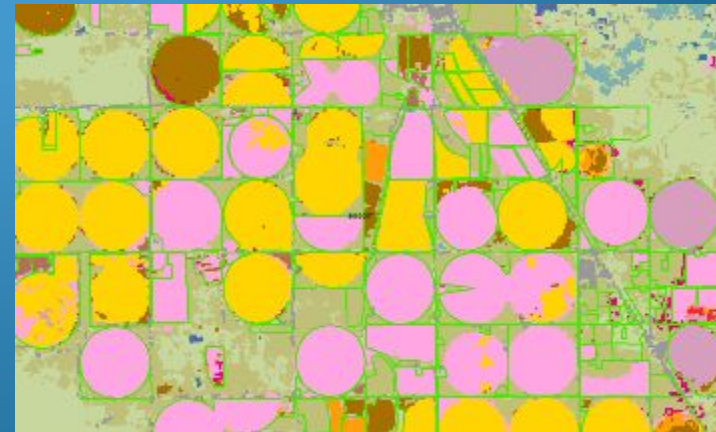
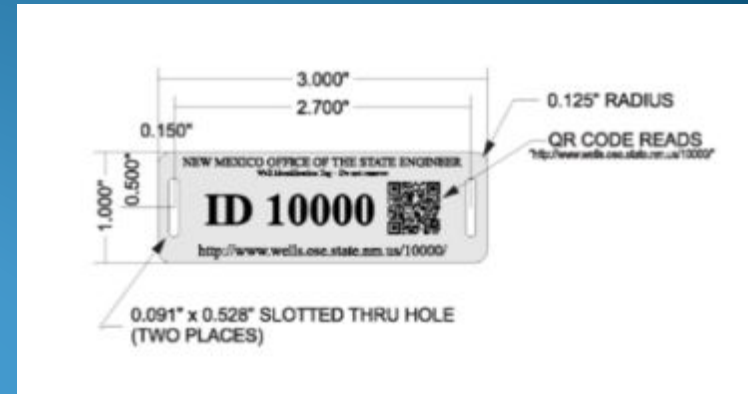
- Online Meter Reading Application

Population:

- Public Water Supply Service area Boundary
- U.S. Census Block Data

Agriculture:

- Irrigated or Potentially Irrigated Polygons



NM Water Use Data Collection Reporting

Water Use Report:

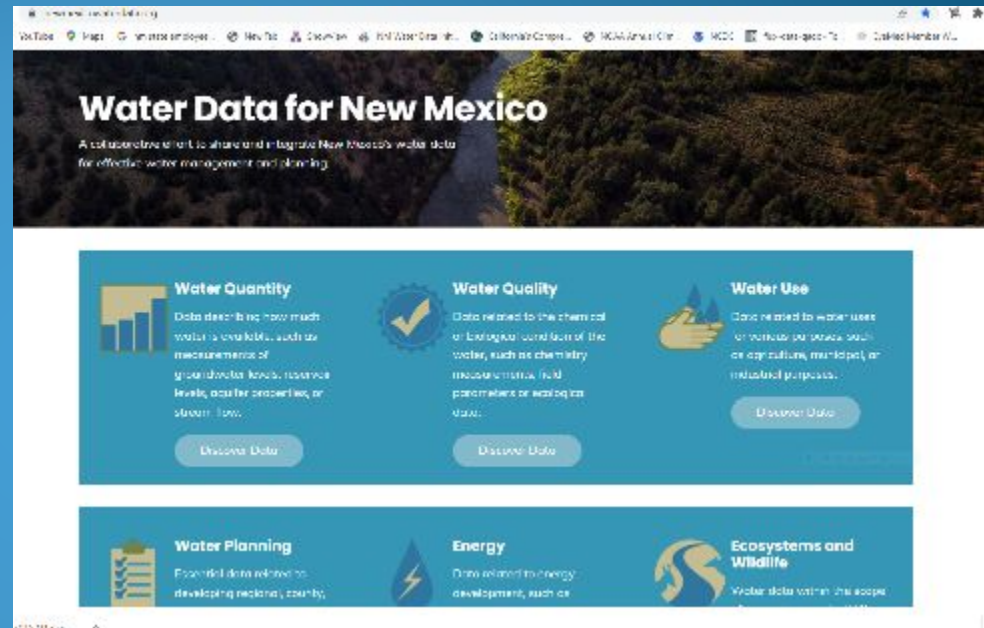
- Tables
- Text

NMOSE Website:

- Tables

NM Water Data Website:

- Tables



https://www.ose.state.nm.us/WUC/wuc_waterUseData.php

<https://newmexicowaterdata.org/>



Thank you

Julie Valdez

505-827-6790

julie.valdez@state.nm.us