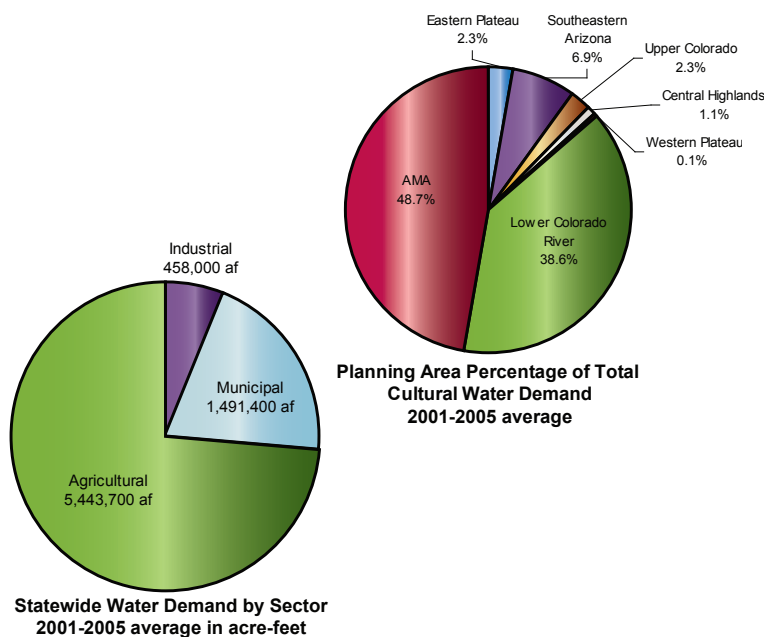




Arizona Water Atlas

As a result of high growth rates, physically and legally limited water supplies, drought, economic constraints and a need for regional water resource planning and management, water supplies are stressed in some parts of Arizona. The Arizona Department of Water Resources has collected and synthesized currently available water-related information for the State of Arizona into a “water atlas”, organized by planning area.



The purpose of the Atlas is to:

- Provide a comprehensive overview of regional water supply and demand conditions that has not been available on a statewide basis for over ten years;
- Identify water resource issues facing Arizona communities;
- Identify missing information and how information access could be improved; and
- Initiate a renewed and more systematic effort by the Department to assist Arizona water planning efforts and develop solutions.

The Atlas is divided into seven planning areas composed of groundwater basins. Each planning area is discussed in a separate volume. Volume 1 is the executive summary and contains background information and a description of data sources and methods. Volume 9, to be completed in 2010, is an evaluation of resource sustainability.

Volumes 2-7 are now final and available both in pdf and web-based format at <http://www.azwater.gov/AzDWR/StatewidePlanning/WaterAtlas>

Volume 1	Executive Summary (Final available in April 2010)
Volume 2	Eastern Plateau Planning Area
Volume 3	Southeastern Arizona Planning Area
Volume 4	Upper Colorado River Planning Area
Volume 5	Central Highlands Planning Area
Volume 6	Western Plateau Planning Area
Volume 7	Lower Colorado River Planning Area
Volume 8	Active Management Area Planning Area (Final available in Feb. 2010)
Volume 9	Water Resource Sustainability Evaluation (Available late 2010)

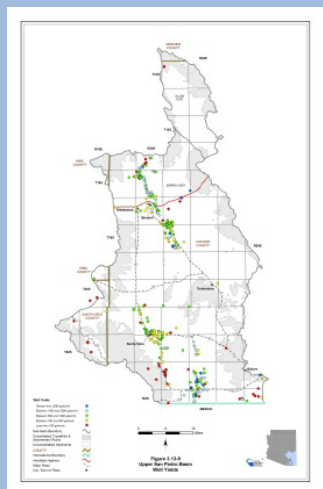
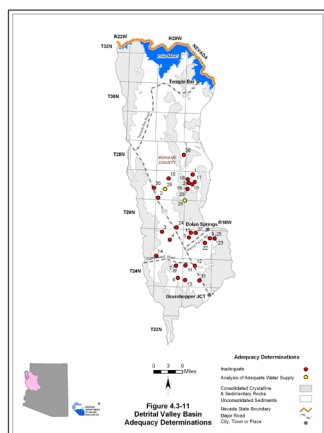
ARIZONA PLANNING AREAS



CONTACT INFORMATION

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The Arizona Water Atlas provides valuable water resource information in an easily accessible format...

The Atlas is data-focused, consisting primarily of maps, tables, figures and concise text. Each planning area volume includes basin by basin information on:

- ▶ Geography
 - ▶ Land Ownership
 - ▶ Climate
 - station data, location and precipitation contours
- ▶ Surface Water Conditions
 - streamflow data, flood ALERT equipment, reservoir data and # of stockponds
- ▶ Perennial/Intermittent Streams and Springs
 - location, spring discharge > 1 gpm
- ▶ Groundwater Conditions
 - major aquifers, natural recharge rate, flow directions, well yields, water levels and water level changes, selected hydrographs
- ▶ Water Quality
 - sites with Drinking Water Standards exceedences, impaired lakes and streams, and effluent dependent reaches, contamination sites (WQARF, VRP, Superfund, RCRA, DOD)
- ▶ Cultural Water Demands
 - population 1980-2030, # registered wells drilled, groundwater and non-groundwater demand by municipal, industrial and agricultural sector (1971-2005 as 5-year average), effluent generation and disposal
- ▶ Water Adequacy/Assured Water Supply Determinations
 - subdivision name, location, # of lots, water provider, etc.

Additional information for the entire planning area such as general hydrology, environmental conditions and water resource issues is included in the planning area overview.

The Arizona Water Atlas brings together data from over 60 different sources...

The Atlas presents compiled information and data on water resources from many different sources including:

- ▶ USGS Water Use Data
 - Annual accounting of municipal, industrial and agricultural groundwater use by basin
- ▶ ADWR Hydrographic Survey Reports
- ▶ Hydrologic and Planning Studies
 - Studies from ADWR Rural Watershed Initiative funded projects as well as the USGS, USBOR, ADWR and consultants
- ▶ Arizona Drought Preparedness Plan (2004)
- ▶ ADWR Community Water System Program annual water use reports and water supply plans, conservation plans and drought plans (2007)
- ▶ AMA Assessments; precursor to Fourth Management Plan
- ▶ Original (new) datasets
 - Effluent generation and use
 - Springs (location and discharge)
 - Cultural water demand
 - Assured/Adequate water supply designations

How can I get a copy of the Atlas?

To request a CD please contact Linda Stitzer at lsstitzer@azwater.gov or you may download a pdf copy of any Atlas Volume from the Department's website.