
Estimated Historical Water Use And 2012 State Water Plan Datasets: Uvalde County Underground Water Conservation District

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January 14, 2016

GROUNDWATER MANAGEMENT PLAN DATA:

This package of water data reports (part 1 of a 2-part package of information) is being provided to groundwater conservation districts to help them meet the requirements for approval of their five-year groundwater management plan. Each report in the package addresses a specific numbered requirement in the Texas Water Development Board's groundwater management plan checklist. The checklist can be viewed and downloaded from this web address:

<http://www.twdb.texas.gov/groundwater/docs/GCD/GMPChecklist0113.pdf>

The five reports included in part 1 are:

1. Estimated Historical Water Use (checklist Item 2)
from the TWDB Historical Water Use Survey (WUS)
2. Projected Surface Water Supplies (checklist Item 6)
3. Projected Water Demands (checklist Item 7)
4. Projected Water Supply Needs (checklist Item 8)
5. Projected Water Management Strategies (checklist Item 9)
reports 2-5 are from the 2012 Texas State Water Plan (SWP)

Part 2 of the 2-part package is the groundwater availability model (GAM) report. The District should have received, or will receive, this report from the Groundwater Availability Modeling Section. Questions about the GAM can be directed to Dr. Shirley Wade, shirley.wade@twdb.texas.gov, (512) 936-0883.

DISCLAIMER:

The data presented in this report represents the most up-to-date WUS and 2012 SWP data available as of 1/14/2016. Although it does not happen frequently, neither of these datasets are static so they are subject to change pending the availability of more accurate WUS data or an amendment to the 2012 SWP. District personnel must review these datasets and correct any discrepancies in order to ensure approval of their groundwater management plan.

The WUS dataset can be verified at this web address:

<http://www.twdb.texas.gov/waterplanning/waterusesurvey/estimates/>

The 2012 SWP dataset can be verified by contacting Sabrina Anderson (sabrina.anderson@twdb.texas.gov or 512-936-0886).

For additional questions regarding this data, please contact Stephen Allen (stephen.allen@twdb.texas.gov or 512-463-7317) or Rima Petrossian (rima.petrossian@twdb.texas.gov or 512-936-2420).

Estimated Historical Water Use

TWDB Historical Water Use Survey (WUS) Data

Groundwater and surface water historical use estimates are currently unavailable for calendar year 2014. TWDB staff anticipates the calculation and posting of these estimates at a later date.

UVALDE COUNTY

All values are in acre-feet/year

Year	Source	Municipal	Manufacturing	Mining	Steam Electric	Irrigation	Livestock	Total
2013	GW	4,901	3	49	0	49,494	1,727	56,174
	SW	0	0	0	0	462	245	707
2012	GW	5,380	3	86	0	72,263	2,007	79,739
	SW	0	0	0	0	368	236	604
2011	GW	6,112	3	1,087	0	82,968	2,205	92,375
	SW	0	0	1,050	0	491	270	1,811
2010	GW	5,162	3	1,146	0	52,156	2,141	60,608
	SW	0	0	1,129	0	390	261	1,780
2009	GW	5,578	3	1,092	0	96,802	2,207	105,682
	SW	0	0	1,090	0	698	248	2,036
2008	GW	5,539	0	1,125	0	75,016	2,282	83,962
	SW	0	0	1,051	0	1,103	294	2,448
2007	GW	4,425	3	112	0	36,649	2,727	43,916
	SW	0	0	0	0	358	336	694
2006	GW	6,114	3	147	0	72,872	950	80,086
	SW	0	0	0	0	0	330	330
2005	GW	5,121	3	147	0	58,087	1,837	65,195
	SW	0	0	0	0	400	339	739
2004	GW	4,401	3	269	0	66,399	947	72,019
	SW	0	0	0	0	377	522	899
2003	GW	4,860	154	126	0	67,820	952	73,912
	SW	0	0	0	0	425	557	982
2002	GW	5,143	760	378	0	88,392	974	95,647
	SW	0	0	0	0	1,804	579	2,383
2001	GW	5,750	760	329	0	83,276	954	91,069
	SW	0	0	0	0	1,700	592	2,292
2000	GW	7,903	379	200	0	56,967	1,894	67,343
	SW	0	0	0	0	1,094	642	1,736

Projected Surface Water Supplies TWDB 2012 State Water Plan Data

UVALDE COUNTY

All values are in acre-feet/year

RWPG	WUG	WUG Basin	Source Name	2010	2020	2030	2040	2050	2060
L	IRRIGATION	NUECES	NUECES RIVER COMBINED RUN-OF- RIVER IRRIGATION	720	720	720	720	720	720
L	LIVESTOCK	NUECES	LIVESTOCK LOCAL SUPPLY	642	642	642	642	642	642
Sum of Projected Surface Water Supplies (acre-feet/year)				1,362	1,362	1,362	1,362	1,362	1,362

Projected Water Demands

TWDB 2012 State Water Plan Data

Please note that the demand numbers presented here include the plumbing code savings found in the Regional and State Water Plans.

UVALDE COUNTY

All values are in acre-feet/year

RWPG	WUG	WUG Basin	2010	2020	2030	2040	2050	2060
L	SABINAL	NUECES	407	403	398	393	389	389
L	UVALDE	NUECES	6,087	6,124	6,144	6,148	6,150	6,178
L	LIVESTOCK	NUECES	1,284	1,284	1,284	1,284	1,284	1,284
L	IRRIGATION	NUECES	55,791	53,609	51,513	49,498	47,563	45,703
L	MINING	NUECES	313	345	364	383	401	418
L	MANUFACTURING	NUECES	432	455	473	490	505	538
L	COUNTY-OTHER	NUECES	1,572	1,867	2,110	2,305	2,425	2,532
Sum of Projected Water Demands (acre-feet/year)			65,886	64,087	62,286	60,501	58,717	57,042

Projected Water Supply Needs

TWDB 2012 State Water Plan Data

Negative values (in red) reflect a projected water supply need, positive values a surplus.

UVALDE COUNTY

All values are in acre-feet/year

RWPG	WUG	WUG Basin	2010	2020	2030	2040	2050	2060
L	COUNTY-OTHER	NUECES	1,277	982	739	544	424	317
L	IRRIGATION	NUECES	14,680	16,862	18,958	20,973	22,908	24,768
L	LIVESTOCK	NUECES	0	0	0	0	0	0
L	MANUFACTURING	NUECES	943	920	902	885	870	837
L	MINING	NUECES	105	73	54	35	17	0
L	SABINAL	NUECES	-127	-123	-118	-113	-109	-109
L	UVALDE	NUECES	-3,172	-3,209	-3,229	-3,233	-3,235	-3,263
Sum of Projected Water Supply Needs (acre-feet/year)			-3,299	-3,332	-3,347	-3,346	-3,344	-3,372

Projected Water Management Strategies

TWDB 2012 State Water Plan Data

UVALDE COUNTY

WUG, Basin (RWPG)

All values are in acre-feet/year

Water Management Strategy	Source Name [Origin]	2010	2020	2030	2040	2050	2060
COUNTY-OTHER, NUECES (L)							
MUNICIPAL WATER CONSERVATION	CONSERVATION [UVALDE]	0	0	0	33	73	137
SABINAL, NUECES (L)							
DROUGHT MANAGEMENT	DROUGHT MANAGEMENT [UVALDE]	20	0	0	0	0	0
EDWARDS TRANSFERS	EDWARDS-BFZ AQUIFER [UVALDE]	127	123	118	113	109	109
MUNICIPAL WATER CONSERVATION	CONSERVATION [UVALDE]	34	65	92	116	139	145
UVALDE, NUECES (L)							
DROUGHT MANAGEMENT	DROUGHT MANAGEMENT [UVALDE]	304	0	0	0	0	0
EDWARDS TRANSFERS	EDWARDS-BFZ AQUIFER [UVALDE]	3,172	3,209	3,229	3,233	3,235	3,263
MUNICIPAL WATER CONSERVATION	CONSERVATION [UVALDE]	521	1,017	1,471	1,882	2,269	2,652
Sum of Projected Water Management Strategies (acre-feet/year)		4,178	4,414	4,910	5,377	5,825	6,306