Types of Data

- Water Level (HALFF, GWDB)
- Water Quality Analyses (HALFF?, GWDB)
- Drillers/Geophysical Logs (SDR, BRACS, GWDB, HALFF?)
- Permitting and Production records- location, permits, associated pumping sites (?)
- Amount sold vs Amount produced (Water Use)
- Crop by crop estimates (Historical Water Use Estimates)
- Water use (surface water) for irrigation (Ag Conservation?)
- Others?

www.twdb.texas.gov



Shared Platform for GCD Data

- GCD HALFF Databases
- TWDB Groundwater Database
- TWDB/TDLR Submitted Drillers Report Database
- TWDB BRACS Database

🔰 @twdb

- TWDB Water Use Survey Database
- TWDB Water Planning Data
- TWDB Ag Conservation Data

Development Board

Some Limitations

- GWDB does not contain all wells in the state limited to 99 sites per Grid because of State Well Number format
- GWDB doesn't currently contain tables for production wells and permits
- SDR serves as a repository of all new wells drilled but lacks fields (well numbers) to link to other data sets, and does not contain tables for production wells and permits
- Need inventory of Data Sets What data is needed, is it currently being stored/managed anywhere?



Development Board

Opportunities

- Link GWDB with Water Use/Water Planning
- Link GWDB with BRACS
- Link GWDB with Ag Conservation
- Publish data linked above in Web accessible reports
- Link GWDB with HALFF Databases –share data between databases
- Create Stand-alone tables in GWDB for new data sets
- Modifications to GWDB to house additional data sets, and allow for better data exchange (Web Services)





TWDB Database Report Application (SARA)

https://www3.twdb.texas.gov/apps/sara/reports/list

Texa: Developme	s Water (Construction) nt Board	TWDB Database Reports			
Home Manage Reports Manage Secure Access Groups					
Search all fields 🛛 🖓 🥥 Total Reports: 63					
Reset Page 3 Show records on page: 25 50 100 250					
Favorite @		Report Name		Keywords	Contact
	Select Id	Enter text to filter	Enter text to filter	Enter text to filter	Select Email
	2	Statewide Historical Water Use Estimates, 1974-1999	Annual water use summary for Texas by water use category and water source (groundwater and surface water): 1974-1999. Multiple years can be selected and viewed at once. This is a static historical report.		waterusesurvey@twdb.texas.gov
	3	Historical Water Use Estimates by Water Planning Region, 2000-2014	Annual water use summary for the 16 water planning regions by water use category and water source (groundwater and surface water): 2000-2014. This report does not include reuse volumes.		waterusesurvey@twdb.texas.gov
	4	Historical Water Use Estimates by Water Planning Region, 2015 and Later (Includes Reuse)	Annual water use summary for the 16 water planning regions by water use category and water source (groundwater, surface water and reuse): 2015 and later.		waterusesurvey@twdb.texas.gov
	5	Historical Water Use Estimates by County, 1974-1999	Annual water use summary for counties by water use category and water source (groundwater and surface water): 1974 - 1999. Multiple years can be selected and viewed at once. This is a static historical report.		waterusesurvey@twdb.texas.gov
	6	Historical Water Use Estimates by County, 2000-2014	Annual water use summary for counties by water use category and water source (groundwater and surface water): 2000-2014. This report does not include reuse volumes.		waterusesurvey@twdb.texas.gov
	7	Historical Water Use Estimates by County, 2015 and Later (Includes Reuse)	Annual water use summary for counties by water use category and water source (groundwater, surface water and reuse): 2015 and later.		waterusesurvey@twdb.texas.gov
		Historical Water Use Estimates by River Basin, 1974- 1999	Annual water use summary for river basins by water use category and water source (groundwater and surface water): 1974 - 1999. Multiple years can be selected and viewed at once. This is a static historical report.		waterusesurvey@twdb.texas.gov
		Historical Water Use Estimates by River Basin, 2000- 2014	Annual water use summary for river basins by water use category and water (groundwater and surface water): 2000-2014. This report does not include reuse volumes.		waterusesurvey@twdb.texas.gov
		Historical Water Use Estimates by River Basin, 2015 and Later (Includes Reuse)	Annual water use summary for river basins by water use category and water source (groundwater, surface water and reuse): 2015 and later.		waterusesurvey@twdb.texas.gov
		Historical Water Use Estimates by Water User Group (WUG) Utility, 2016 and Later	Annual water use summary for all regional water planning water user group (WUG) utilities including population, intake, sales and gallons per capital daily (GPCD): 2016 and later.		waterusesurvey@twdb.texas.gov
	12	<u>Detailed Gallons Per Capita Daily (GPCD) Report by</u> Water User Group (WUG) Utility, 2016 and later	Annual water use summary for individual water planning water user group (WUG) utilities with detailed gallons per capita daily (GCPD) report including population, intake, and buyer and seller reported water volumes: 2016 and later.		waterusesurvey@twdb.texas.gov
	13	Historical Water Use Estimates by Industry Type. 2000 and Later	Annual water use summary for industry types based on 3-digit North American Industry Classification System (NAICS) code, including intake, sales and number of surveyed facilities for each industry type: 2000 and later.		waterusesurvey@twdb.texas.gov
	14	Historical Water Reuse Intake Report, 2000 and Later	Water reuse intake report for all surveyed public water systems and industrial facilities, including both direct and indirect reuse intake volumes, seller (if applicable) and reuse type (landscape, agriculture, industrial and other): 2000 and later.		waterusesurvey@twdb.texas.gov
	15	Historical Water Reuse Intake Report by Water Planning Region, 2000 and Later	Annual water reuse intake report for surveyed public water systems and industrial facilities by water planning region, including both direct and indirect reuse intake volumes, seller (if applicable) and reuse type (landscape, agriculture, industrial and other) 2000 and later.		waterusesurvey@twdb.texas.gov
	16	Historical Municipal Water Intake Report for Public Water Systems by Water Planning Region	Water use intake report for all surveyed public water systems by water planning region, including geographic information, monthly intake volumes and water source (groundwater, surface water or reuse).		waterusesurvey@twdb.texas.gov
	17	Historical Industrial Water Intake Report for industrial Facilities by Water Planning Region	Water use intake report for all industrial facilities by water planning region, including geographic information, monthly intake volumes and water source (groundwater, surface water or reuse).		waterusesurvey@twdb.texas.gov
	18	Historical Categorical Connections and Volumes by Public Water System, 2016 and Later	Annual retail water use volumes and connections by use category (single-family, multi-family, commercial, institutional, industrial, agricultural, reuse and unmetered) for all surveyed public water excitence 7.015 and item.		waterusesurvey@twdb.texas.gov

Explore available reports, run reports and export data.

Can also select Favorites – but requires signing up for free account



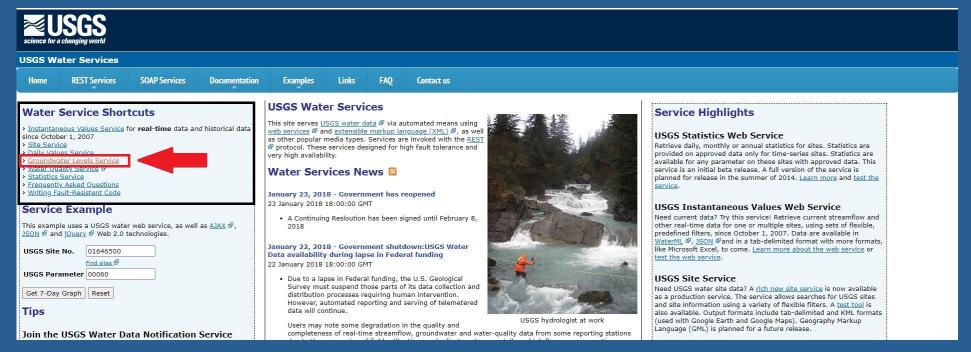
www.twdb.texas.gov

www.facebook.com/twdboard

Web Services

- This is a REST-friendly service, which means it is URL accessible and can be run from a browser
- The service can return information about one or more sites in one request

https://waterservices.usgs.gov/rest/GW-Levels-Test-Tool.html





www.twdb.texas.gov

🔰 @twdb

Questions/Discussions

www.twdb.texas.gov





