

**Recent USGS Publications, Information, and Products that may be of interest to Texas  
7/9/14**

*Miscellaneous Announcements and Information*

NOAA, Partners Predict an Average 'Dead Zone' for Gulf of Mexico; Slightly Above-average Hypoxia in Chesapeake Bay

<http://www.usgs.gov/newsroom/article.asp?ID=3919>

Reservoirs Affect the Movement of Carbon in Large Rivers of the Central and Western United States

<http://www.usgs.gov/newsroom/article.asp?ID=3916>

Austin Coal-Tar Sealant Ban Leads to Decline in PAHs

<http://www.usgs.gov/newsroom/article.asp?ID=3914>

Meeting the Elevation Needs of the Nation

<http://www.usgs.gov/newsroom/article.asp?ID=3888>

"National Climate Change Viewer" Enables Focus on Future Climate-Driven Changes for U.S. Watersheds and Local Levels

<http://www.doi.gov/news/pressreleases/national-climate-change-viewer-enables-focus-on-future-climate-driven-changes-for-us-watersheds-at-local-levels.cfm>

Celebrating the First USGS Streamgage

[http://www.usgs.gov/blogs/features/usgs\\_top\\_story/celebrating-the-first-usgs-streamgage/?from=image](http://www.usgs.gov/blogs/features/usgs_top_story/celebrating-the-first-usgs-streamgage/?from=image)

Earth Week – A Tribut(ary) to Water

[http://www.usgs.gov/blogs/features/usgs\\_top\\_story/earth-week-a-tributary-to-water/](http://www.usgs.gov/blogs/features/usgs_top_story/earth-week-a-tributary-to-water/)

*Technical Announcement*

USGS Releases New National Produced Waters Geochemical Database

<http://www.usgs.gov/newsroom/article.asp?ID=3871>

New Findings on Contaminants of Emerging Concern Featured in JAWRA

<http://www.usgs.gov/newsroom/article.asp?ID=3877>

*General Information Product*

U.S. Geological Survey, 2014, Tracking change over time—River flooding: U.S. Geological Survey General Information Product 133a, 2 p.

<http://dx.doi.org/10.3133/gip133A>

### *Fact Sheet*

Lambert, R.B., Clark, A.K., Pedraza, D.E., and Morris, R.R., 2014, Hydrogeologic aspects of the Knippa Gap area in Eastern Uvalde and Western Medina Counties, Texas: U.S. Geological Survey Fact Sheet 2014–3045, 6 p.

<http://dx.doi.org/10.3133/fs20143045>

Meier, G.A., and Brown, J.F., 2014, Remote sensing of land surface phenology: U.S. Geological Survey Fact Sheet 2014–3052, 2p.

<http://dx.doi.org/10.3133/fs20143052>

Veilleux, A.G., Cohn, T.A., Flynn, K.M., Mason, R.R., Jr., and Hummel, P.R., 2014, Estimating magnitude and frequency of floods using the PeakFQ 7.0 program: U.S. Geological Survey Fact Sheet 2013-3108, 2 p.

<http://dx.doi.org/10.3133/fs20133108>

Wood, M.S., 2014, Estimating suspended sediment in rivers using acoustic Doppler meters: U.S. Geological Survey Fact Sheet 2014-3038, 4 p.

<http://dx.doi.org/10.3133/fs20143038>

### *Data Series*

Opsahl, S.P., and Crow, C.L., 2014, Concentrations of selected constituents in surface-water and streambed-sediment samples collected from streams in and near an area of oil and natural-gas development, south-central Texas, 2011–13: U.S. Geological Survey Data Series 836, 25 p.

<http://dx.doi.org/10.3133/ds836>

Funk, C.C., Peterson, P.J., Landsfeld, M.F., Pedreros, D.H., Verdin, J.P., Rowland, J.D., Romero, B.E., Husak, G.J., Michaelsen, J.C., and Verdin, A.P., 2014, A quasi-global precipitation time series for drought monitoring: U.S. Geological Survey Data Series 832, 4 p.

<http://dx.doi.org/10.3133/ds832>

### *Miscellaneous Investigations Series*

Moore, D.W., and Wermund, E.G., Jr., State compilations, Moore, D.W., Richmond G.M., and Christiansen, A.C., eds., 1993, Quaternary geologic map of the Austin 4° x 6° quadrangle, United States: U.S. Geological Survey Miscellaneous Investigations Series Map I-1420 (NH-14), scale 1:1,000,000 [Bush, C.A., Digital edition, 2013]

<http://pubs.usgs.gov/imap/i-1420/nh-14/>

## *Open-File Report*

Ratz, J.M., and Conk, S.J., 2014, Review and bibliometric analysis of published literature citing data produced by the Gap Analysis Program (GAP): U.S. Geological Survey Open-File Report 2013–1294, 117 p.

<http://dx.doi.org/10.3133/ofr20131294>

Serbina, Larisa, and Miller, H.M, 2014, Landsat uses and benefits—Case studies by application area: U.S. Geological Survey Open-File Report 2014–1108, 61 p.

<http://dx.doi.org/10.3133/ofr20141108>

Gesch, D.B., Oimoen, M.J., and Evans, G.A., 2014, Accuracy assessment of the U.S. Geological Survey National Elevation Dataset, and comparison with other large-area elevation datasets—SRTM and ASTER: U.S. Geological Survey Open-File Report 2014–1008, 10 p.

<http://dx.doi.org/10.3133/ofr20141008>

Haines, S.S., Hart, P.E., Ruppel, C.D., O'Brien, Thomas, Baldwin, Wayne, White, Jenny, Moore, Eric, Dal Ferro, Pete, and Lemmond, Peter, 2014, Cruise report for P1–13–LA, U.S. Geological Survey gas hydrates research cruise, *R/V Pelican* April 18 to May 3, 2013, deepwater Gulf of Mexico: U.S. Geological Survey Open-File Report 2014–1080, 33 p.

<http://dx.doi.org/10.3133/ofr20141080>

Roberts-Ashby, T.L., Brennan, S.T., Buursink, M.L., Covault, J.A., Craddock, W.H., Drake, R.M., II, Merrill, M.D., Slucher, E.R., Warwick, P.D., Blondes, M.S., Gosai, M.A., Freeman, P.A., Cahan, S.M., DeVera, C.A., and Lohr, C.D., 2014, Geologic framework for the national assessment of carbon dioxide storage resources—U.S. Gulf Coast, chap. H of Warwick, P.D., and Corum, M.D., eds., Geologic framework for the national assessment of carbon dioxide storage resources: U.S. Geological Survey Open-File Report 2012–1024–H, 77 p.

<http://dx.doi.org/10.3133/ofr20121024H>

Smith, D.B., Cannon, W.F., Woodruff, L.G., Solano, Federico, and Ellefsen, K.J., 2014, Geochemical and mineralogical maps for soils of the conterminous United States: U.S. Geological Survey Open-File Report 2014–1082, 386 p.

<http://dx.doi.org/10.3133/ofr20141082>

Todorov, T.I., Wolf, R.E., and Adams, Monique, 2014, Multi-elemental analysis of aqueous geological samples by inductively coupled plasma-optical emission spectrometry: U.S. Geological Survey Open-File Report 2014–1067, 21 p.

<http://dx.doi.org/10.3133/ofr20141067>

Vadnais, Carolyn, and Stensaas, Greg, 2014, National Land Imaging Requirements (NLIR) Pilot Project Summary Report—Summary of Moderate Resolution Imaging User Requirements: U.S. Geological Survey Open-File Report 2014–1107, 46 p.

<http://dx.doi.org/10.3133/ofr20141107>

### *Scientific Investigations Report*

Crow, C.L., Banta, J.R., and Opsahl, S.P., 2014, Sediment characteristics in the San Antonio River Basin downstream from San Antonio, Texas, and at a site on the Guadalupe River downstream from the San Antonio River Basin, 1966–2013: U.S. Geological Survey Scientific Investigations Report 2014–5048, 33 p.  
<http://dx.doi.org/10.3133/sir20145048>

### *Bulletin*

Interagency Advisory Committee on Water Data, 1982, Guidelines for determining flood-flow frequency: Bulletin 17B of the Hydrology Subcommittee, Office of Water Data Coordination, U.S. Geological Survey, Reston, Va., 183 p.  
[http://water.usgs.gov/osw/bulletin17b/bulletin\\_17B.html](http://water.usgs.gov/osw/bulletin17b/bulletin_17B.html)

### *Techniques and Methods*

Banta, E.R., 2014, Two graphical user interfaces for managing and analyzing MODFLOW groundwater-model scenarios: U.S. Geological Survey Techniques and Methods, book 6, chap. A50, 38 p.  
<http://dx.doi.org/10.3133/tm6A50>

Furlong, E.T., Noriega, M.C., Kanagy, C.J., Kanagy, L.K., Coffey, L.J., and Burkhardt, M.R., 2014, Determination of human-use pharmaceuticals in filtered water by direct aqueous injection—high-performance liquid chromatography/tandem mass spectrometry: U.S. Geological Survey Techniques and Methods, book 5, chap. B10, 49 p.  
<http://dx.doi.org/10.3133/tm5B10>

### *Journal or Other Article*

Churchill, C.J., 2013, Spatio-temporal spawning and larval dynamics of a zebra mussel (*Dreissena polymorpha*) population in a North Texas Reservoir: implications for invasions in the southern United States: Aquatic Invasions, v. 8, pp. 389-406.  
<http://www.aquaticinvasions.net/2013/issue4.html>

Musgrove, MaryLynn, Katz, B.G., Fahlquist, L.S., Crandall, C.A., and Lindgren, R.J., 2014, Factors Affecting Public-Supply Well Vulnerability in Two Karst Aquifers: Groundwater, v. 52, (issue number and page range pending).  
<http://onlinelibrary.wiley.com/doi/10.1111/gwat.12201/abstract>