



Groundwater Availability Regional Studies

November 9, 2015

Summary of status for WUASP Leadership Call

GWRP overview

- Groundwater Availability Regional Studies
- Other
 - Branch of Geophysics add-ons
 - High Plains water levels
- Model support development
 - SWB
 - MT3D-USGS
 - GSFLOW/MODFLOW
 - MODFLOW-2015
 - Pest++
- Headquarters support

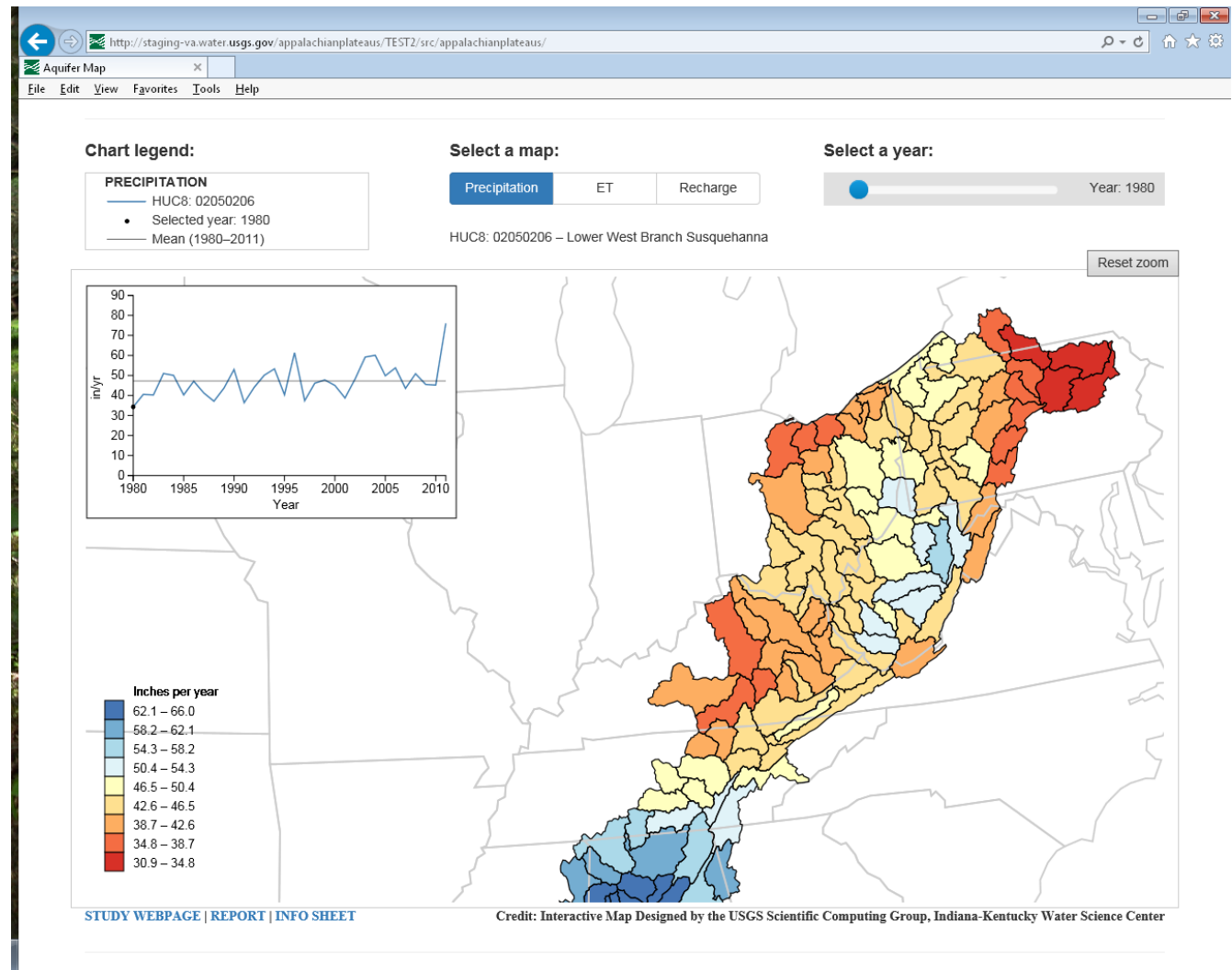
Regional – Wrapping up

- North Atlantic Coastal Plain
 - PP in editorial review, briefings are being planned
 - Fact sheet
 - Other SIR, articles, and DD in preparation/submitted

- Appalachian Plateaus –
 - SIR 2015-5106 Hydrologic Budget and Conditions of Permian, Pennsylvanian, and Mississippian aquifers - done
 - Data Series 944 - done
 - Other DD in prep
 - Journal article - The Persistence of Saline Groundwater in Late Paleozoic Rocks of the Appalachian Plateaus, by R.M. Yager, K.J. McCoy, C.I. Voss, W.E. Sanford
 - Hydrogeologic Framework and Conceptual Model of Permian, Pennsylvanian, and Mississippian Aquifers in the Appalachian Plateaus Physiographic Province

Aside – Appalachian SWB viewer

- <http://staging-va.water.usgs.gov/appalachianplateaus/TEST2/src/appalachianplateaus/>



Regional – Past Due

- High Plains – modeling report in review, path to Prof. Paper outlined and budget discussed
- Williston and Powder River Basins – did not request funding for FY16, but model is not yet complete, groundwater availability report predicated on this model

Regional- Big last year

- Glacial – Framework and GW budget report back from colleague review, other tasks on track, several reports planned: no Prof. Paper.
- Brackish/Saline water resources – seem on track for Prof. Paper, Flash Workshop in Denver next week
- Ozark Aquifer – a lot of activities planned, seems like it will continue into 2017
- Hawaii Volcanic-Rock Aquifer – a lot of activities planned

Regional - unknown

- Floridan Aquifer study – third (fourth?) Project Chief on an off-and-on-again project. Project review meeting scheduled for December 10.
 - Reports on aquifer conditions
 - Potentiometric surface maps
 - Etc.
 - Model in fairly early stages

Regional – started in Fy15

- Northwest Volcanics Aquifer – started mid FY15 and seems to have good progress and solid workplan

Regional – new starts

- Top 5 of the 13 proposals received and ranked by OGW, WSFT, GWRP
- Coastal lowlands aquifer system
- California Coastal Basins
- Cambrian-Ordovician aquifer system
- Colorado Plateau aquifers
- Appalachian Valleys and Piedmont East Coast Aquifers

Regional - dangers

- Mississippi Alluvial Aquifers
- Southwest transboundary aquifer
- In one draft budget for \$1M each – would eat the budget for most of the studies just discussed.