



Water Availability and Use Science Program

Water States Water Council
March 22, 2016

Water Mission Area Programs Changes

NSIP

- Streamgaging
- Methods development
- Regional Assessments
- Data management
- Information delivery

GWRP

- GW monitoring
- Regional GW Assessments
- Methods development
- Data Management
- Information delivery

NAWQA

- Regional QW assessments
- QW monitoring
- Methods development
- Data management
- Information delivery

WAUSP

- NWC Projects
- Regional GW Assessments
- Research and methods development
- Data Management
- Information delivery

GSIP

- SW monitoring
- GW monitoring
- Flood inundation
- Data Management
- Information delivery
- Research and methods development

HR&D

- SW Research
- GW Research
- QW Research
- Methods development
- Data management
- Information delivery

HNA

- NASQAN, HBN, NAPD networks
- WaterSmart
- Technical Support
- Data management
- Information delivery

CWP

- Funding local projects with Sates, Municipalities, and Tribes

NWQP

- Regional QW assessments
- QW monitoring
- Research and methods development
- NASQAN, HBN, NAPD networks
- Data Mgmt
- Information delivery

WRRI's remain the same

National Water-Quality

Program

- **National Water-Quality Assessment Project** (Nationally directed surface water/groundwater quality monitoring networks, modeling, long term trends, and regional multi-stressor investigations)
- **National Atmospheric Deposition Program** (Interagency monitoring)
- **National Park Service Water Quality Partnership** (Proposal-driven, locally directed Water Science Center investigations)
- **Water Quality Cooperative Matching Funds** (Locally directed Water Science Center investigations)
- **Water Quality Research and Methods Development**

2016 Funding \$90.6M

Groundwater & Streamflow Information Program

- National Streamflow Information Program (NSIP) – Support for priority streamgages in the federal backbone (\$35.5M)
- Cooperative Matching Funds – Support jointly funded activities with States, municipalities, and Tribes (\$30M)
- National Groundwater Monitoring Network (\$3.8M)
- Research and Technical Development – Support for innovative techniques, hazard science, and monitoring strategies (\$4.1M)

GSIP – National Groundwater Monitoring Network

- NGWMN Portal
 - Serves Groundwater Levels and Water Quality
 - Data are provided by Federal, State, Tribal and Local agencies
- USGS Climate Response Network

<http://cida.usgs.gov/ngwmn/>

National Ground-Water Monitoring Network

The **National Ground-Water Monitoring Network (NGWMN)** is a compilation of selected groundwater monitoring wells from Federal, State, and local groundwater monitoring networks across the nation.

The **NGWMN** is a product of the [Subcommittee on Ground Water](#) of the Federal Advisory Committee on Water Information ([ACWI](#)).

The **NGWMN Data Portal** provides access to groundwater data from multiple, dispersed databases in a web-based mapping application. The portal contains current and historical data including water levels, water quality, lithology, and well construction. The NGWMN is transitioning from a pilot phase into full implementation. In the future we will be adding additional data providers to the network.

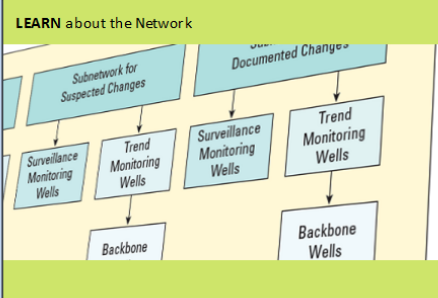
CURRENT NETWORK:
3739 water-level wells
669 water-quality wells
10 subnetworks
8 contributing agencies
44 states
54 principal aquifers

GET INVOLVED WITH THE NATIONAL GROUND-WATER MONITORING NETWORK!

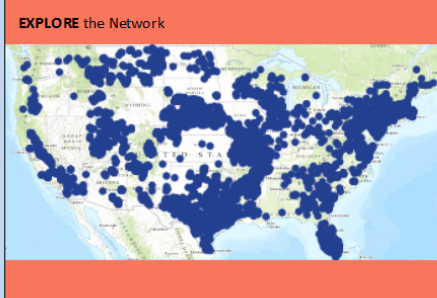
The network is made up of selected wells from existing monitoring networks across the nation. Agencies or organizations collecting groundwater data can become data providers for the Network. [Learn about contributing data from your network.](#)

NEW - Information about USGS cooperative agreements to fund data providers is available [here](#).

LEARN about the Network



EXPLORE the Network



NGWMN – Cooperative Agreements

- Fiscal Year 2015 – 11 State Agencies received CA's
 - Ranging from \$20,000 to \$49,000
 - 1 or 2 year in duration
- Fiscal Year 2016 – 2 Opportunities
 - First 2016 CA's to be awarded this Spring
 - Second 2016 CA's to be advertised late March 2016
 - CA's up to \$90,000 and up to 2 years
 - Multiple state agencies eligible
- All CA's advertised through Grants.gov

Water Availability and Use Program

- **National Water Census Projects – \$11.4M**
- **Regional GW Availability Assessments – \$11.8M**
- **Water Availability and Use Research – \$7.5M**
- **Cooperative Matching Funds – \$11.4**
- **Reimbursable Funding – \$28.5 (estimate)**

Water Use Data and Research (WUDR)

(aka State Water Use Grants)

- The SECURE Water Act authorized financial resources, through cooperative agreements to improve the availability, quality, compatibility and delivery of water use data that is collected and/or estimated by States.
- Data must be integrated with appropriate datasets that are developed and/or maintained by the USGS
- \$12.5 million over 5 years
- \$250,000 per State limit
- \$1.352 million for FY 2015
- Each State \$26,000 to write workplan
- 42 States in 2015
- \$1.5 million for 2016
- Competitive process
- Announcement late spring

<http://water.usgs.gov/watercensus/wudr/>

WUDR, cont.

- Interstate Council on Water Policy hosted 3 stakeholder meetings and developed a survey for State water use professionals.
 - Salt Lake City Utah – September 17, 2015
 - Tuscaloosa, Alabama – October 15th, 2015
 - Chicago, Illinois – October 27th, 2015
- Summary of the meetings and the survey will be available soon.

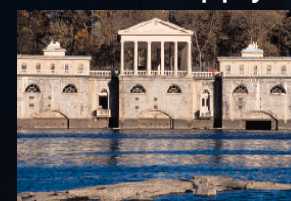
Livestock



Self-Supplied
Domestic



Public Supply



Thermoelectric



Mining



Aquaculture



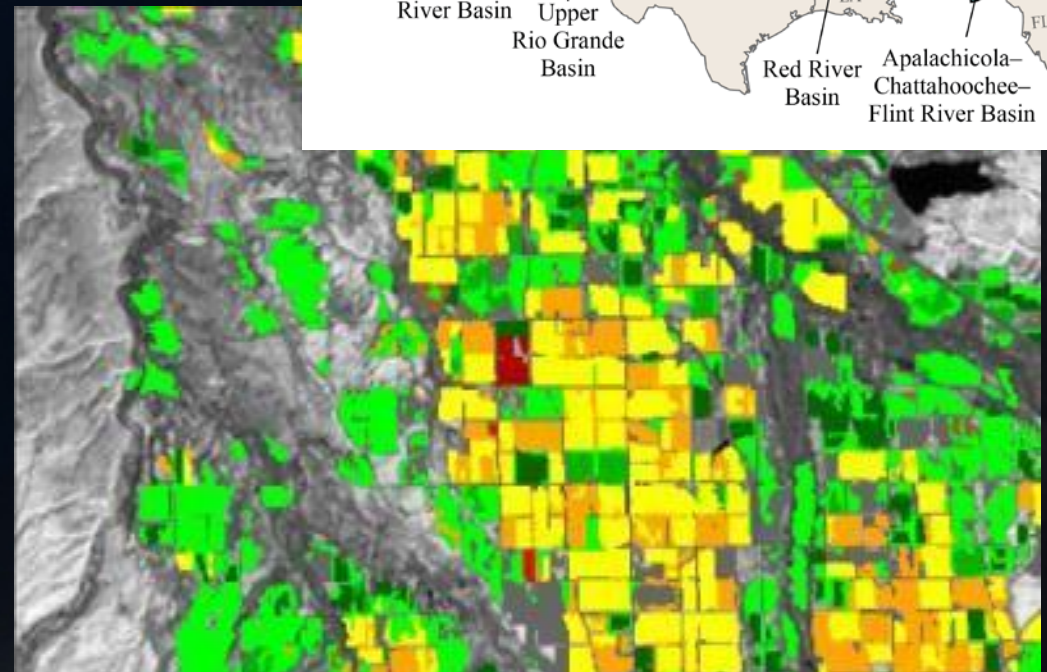
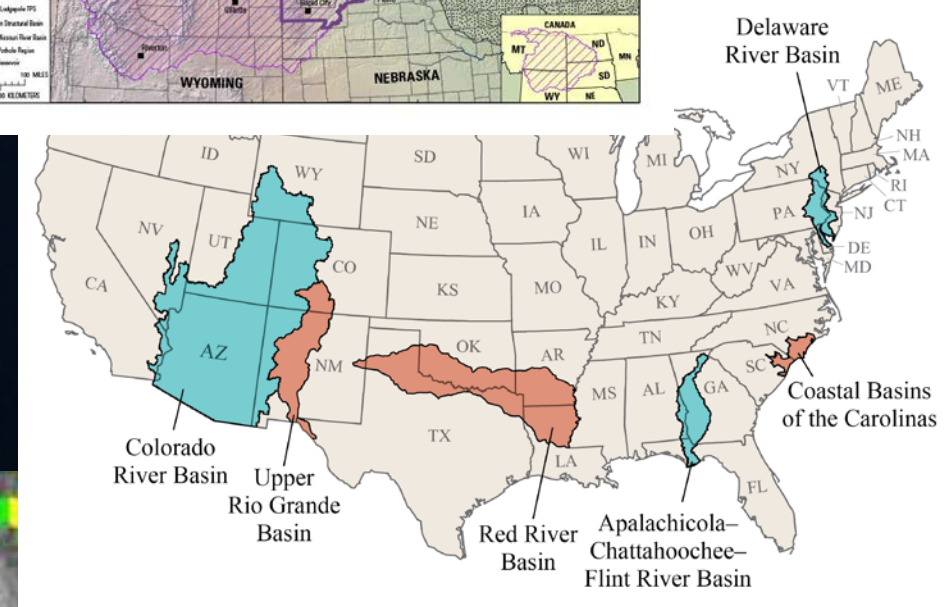
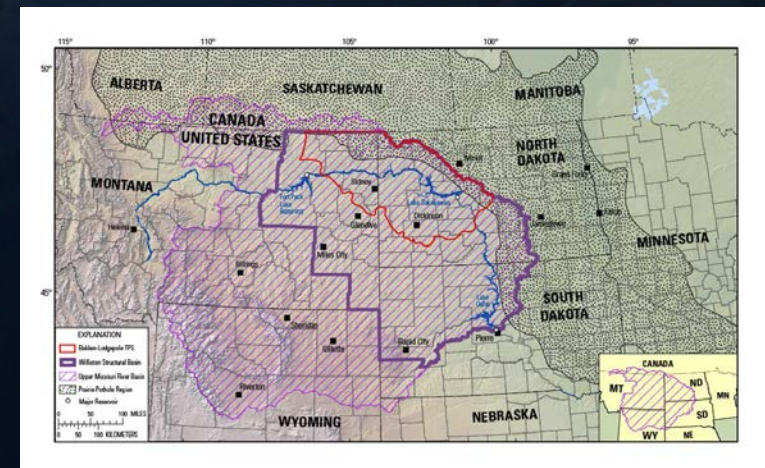
Self-Supplied
Industrial



Irrigation

New WAUSP Projects

- Mississippi Alluvial Plain Aquifer
- Transboundary Aquifer (NM, TX, AZ and Mexico)
- Water Use for UOG Development
- 3 new Focus Area Studies
- Irrigation Consumptive Use



FY17 President's Budget

Request Component	(\$000's)	FTE	Page
Water Availability and Use Science Program	12,100	12	J-11
WaterSMART: Water Use Research	1,000	0	J-17
Critical Landscapes: Arctic	1,950	4	J-28
WaterSMART: Drought	1,000	2	J-19
WaterSMART: National Hydrologic Model	750	1	J-26
WaterSMART: Near Real Time Assessment of Water Use During Drought	4,000	0	J-16
WaterSMART: Streamflow Information	400	0	J-24
WaterSMART: Water Use Information	3,000	5	J-16
Groundwater and Streamflow Information Program	1,200	7	J-33
Tribes	500	3	J-40
Expand Use of Flood Inundation Mapping and Rapid Deployable Streamgages	700	4	J-44
National Water Quality Program	3,048	10	J-49
Unconventional Oil and Gas Research	450	1	J-68
Enhanced Cooperative Activities and Urban Waters	717	5	J-61
Support NAWQA Cycle Three	1,881	4	J-58
Total Program Change	16,348	29	

Questions

<http://water.usgs.gov/wausp/>