

Annual Progress Report to the WV Joint Legislative Oversight Commission on State Water Resources

West Virginia Department of Environmental Protection
Water Use Section
January 13, 2015



By:
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Program Manager
Water Use Section



Today's Agenda

- **Our History and Adoption of the State Water Resources Management Plan**
- **Large Quantity Users Survey update**
- **Key studies underway**
- **Water Use Web-tool**
- **Annual Conference success**
- **New team members – Fully Staffed by January 2015**
- **Stream Gage Network Funding**
- **DHHR Source Water Protection Plans and ZCC issues**
- **Questions from the Commission**

Plan History

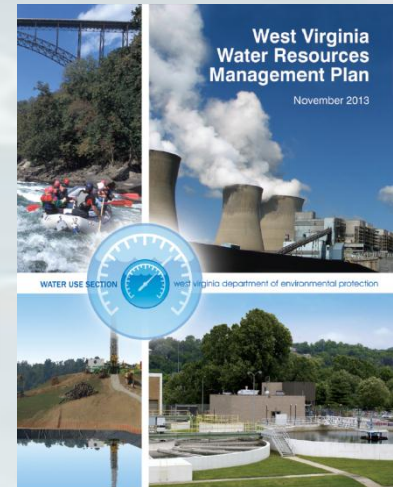
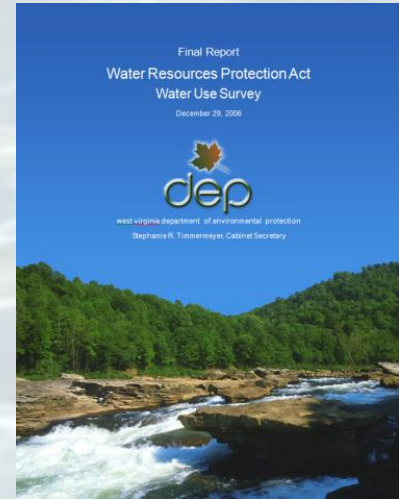
The Act Originally passed on March 13, 2004.

First Large Quantity User Survey completed in 2006.

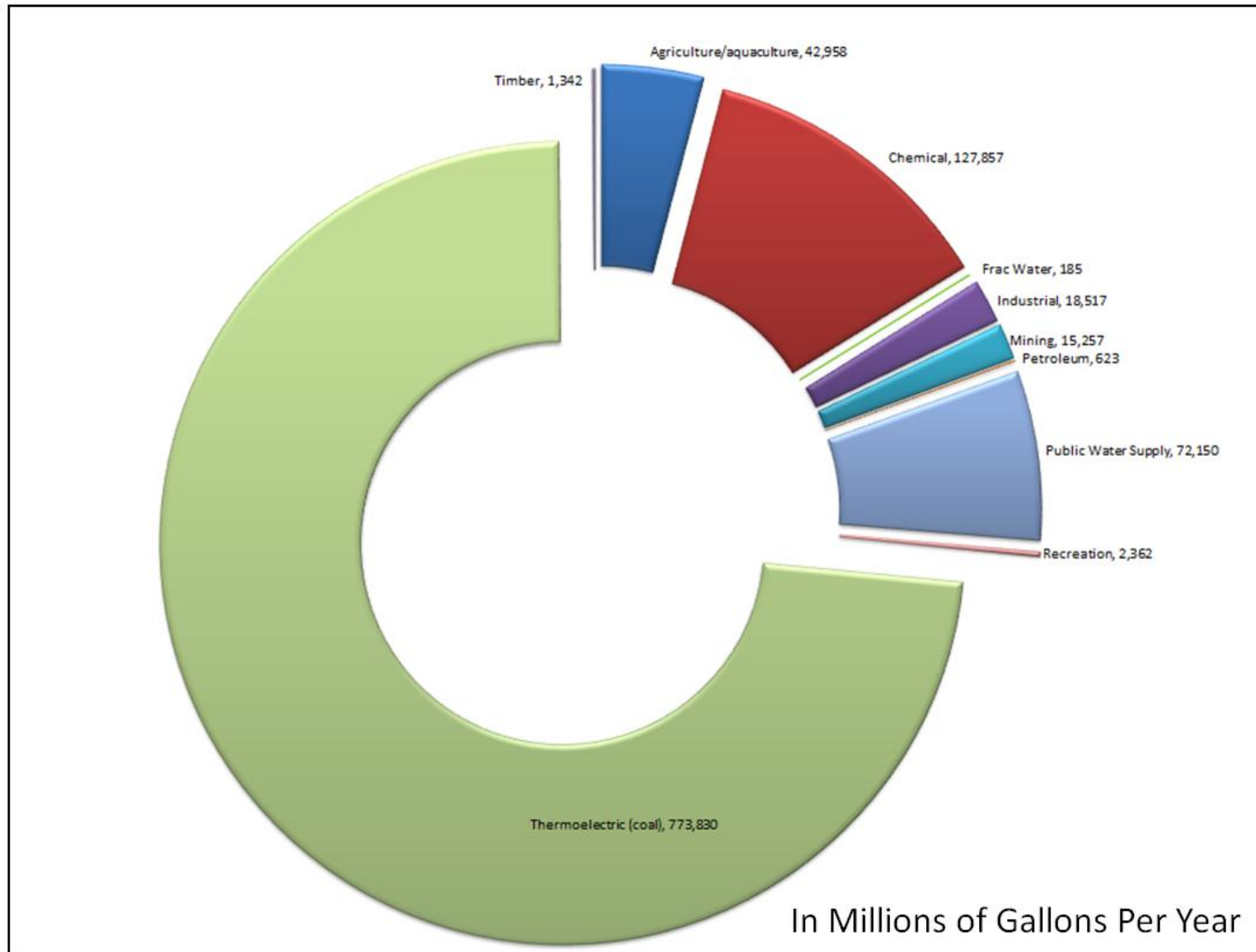
On March 8, 2008, Senate Bill 641 passed amending the Act and renaming it the Water Resources Protection and Management Act.

The Water Use Section was created in July 2008 to accomplish the additional requirements of the Act.

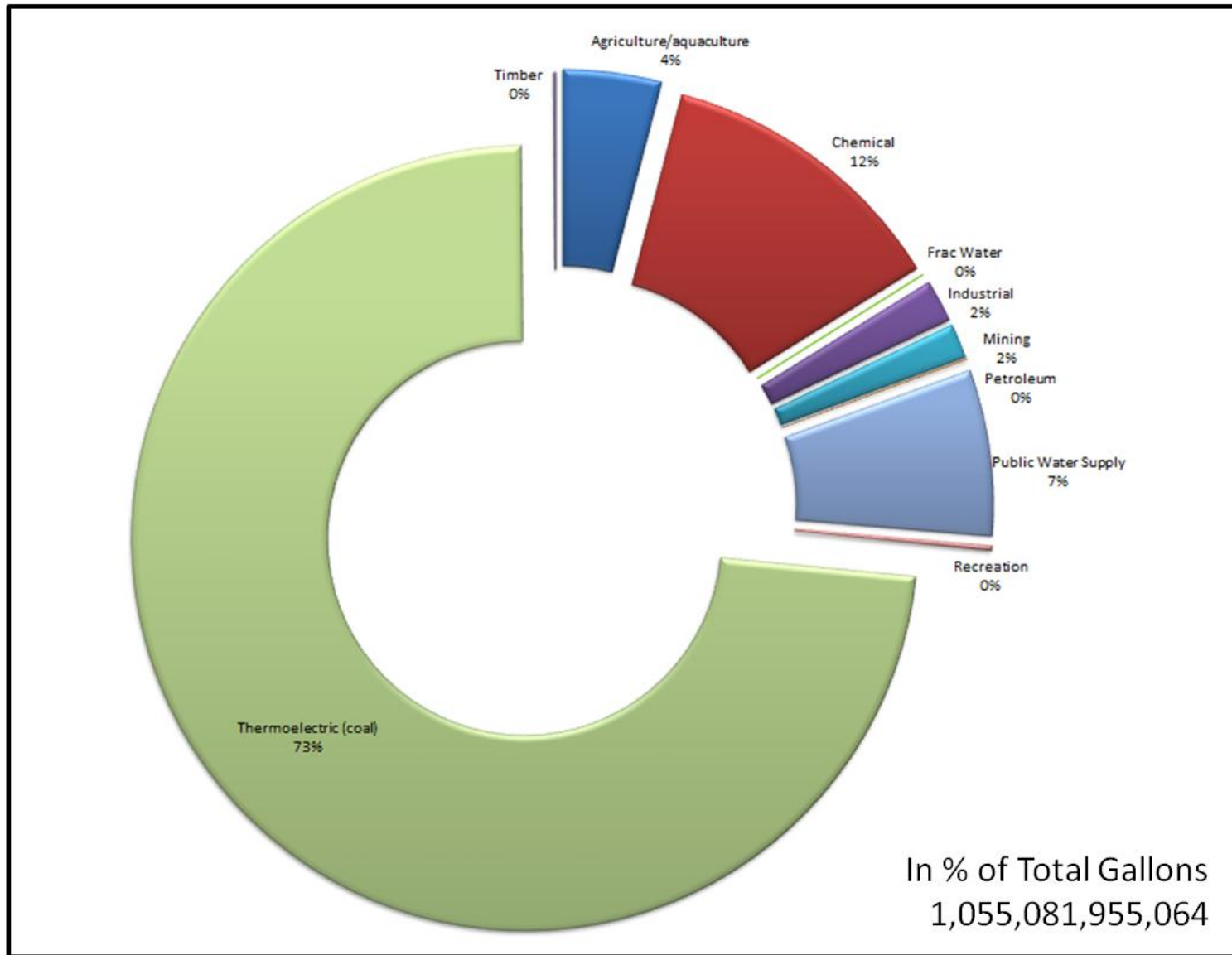
The West Virginia Water Resources Management Plan was submitted on November 22, 2013 and was adopted as part of Senate Bill 373.



2013 Total Water Use (Excluding Hydro-Electric)



2013 Total Water Use (Excluding Hydro-Electric)



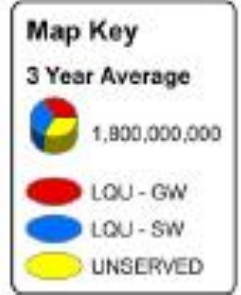
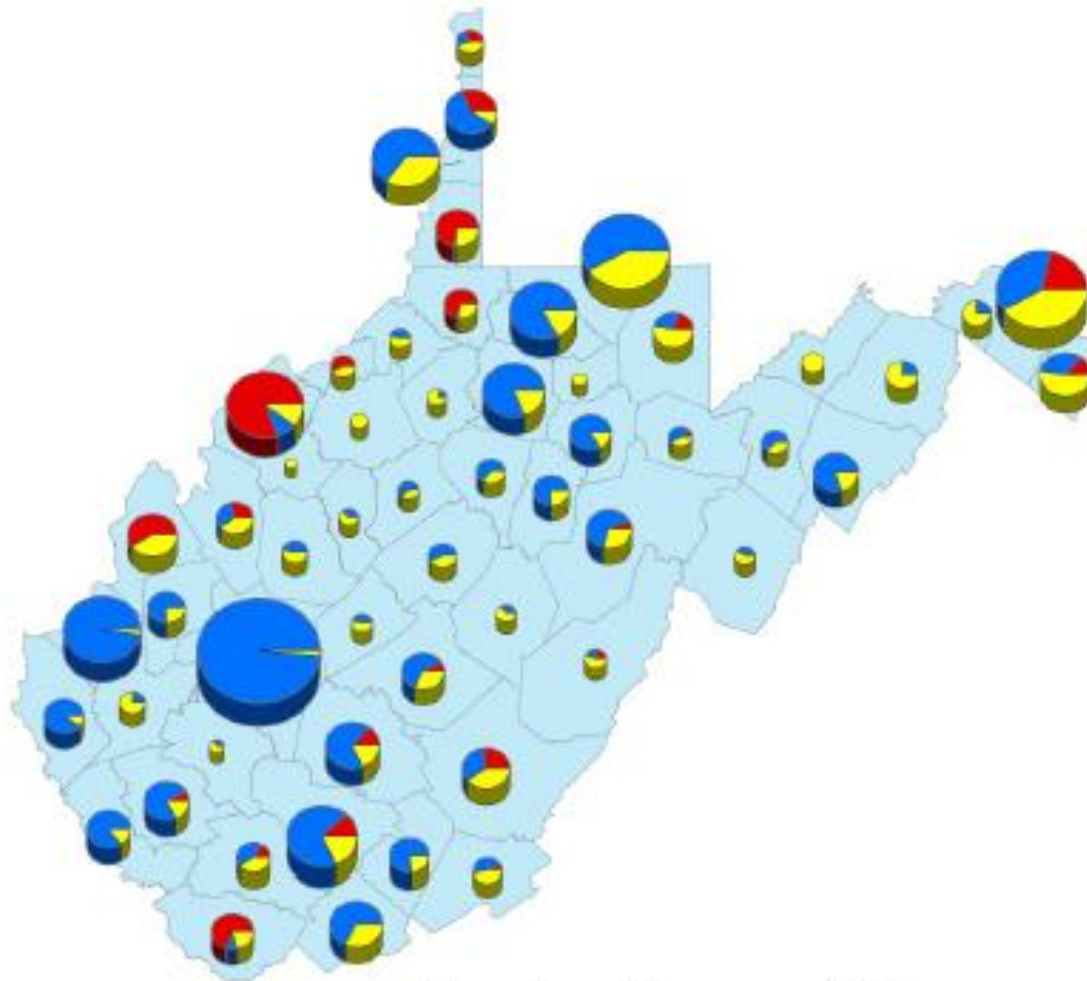


Figure 2-34 Distribution of average annual gallons of water withdrawn by LQUs in each county from groundwater and surface water sources for public supply and the estimated amount withdrawn by the unserved population for domestic use.

WV Bottled Water in Gallons per year



| | |
|---|-----------|
| • SWEET SPRINGS VALLEY WATER COMPANY | 1,800,000 |
| • BERKELEY CLUB BEVERAGES INC. | 1,140,000 |
| • GREEN ACRES REGIONAL CENTER INC | 700,000 |
| • UNITED DAIRY, INC. (CHARLESTON) | 475,000 |
| • WEST VIRGINIA PRIDE OF THE MOUNTAINS CO | 200,000 |
| • CAPON SPRINGS & FARMS, INC. | 16,000 |
| • TYLER MOUNTAIN WATER COMPANY, INC (now bottled in Oakland, PA) | 0 |
| • ALLEGHENY LODGE ENTERPRISES, LLC | Closed |

Total 4,331,000

Searching for the New LQU's 300,000 gallons per 30 days

121 Golf Courses

318 Nursing Homes

66 Mobile Home Parks

199 Public Water Supplies

162 Campgrounds

55 Jails

25 College & University

9 Resorts

88 Parks

55 Courthouses

107 Cemeteries

85 Nurseries

151 Lumber Facilities

7 Paper Manufacturers

2 Ammunition Manufacturers

314 Concrete Producers

12 Meat Processors

25 Furniture Makers

20 Highway Rest Stops

Key Studies Underway

- Mississippian aquifer study
- Groundwater Well Logging
- Mine Pool Sampling

WVWRMP Mapping Tool

Google search: wvwaterplan and click the Blue Button

The screenshot shows the West Virginia Department of Environmental Protection (WVDEP) website. At the top, there is a navigation bar with the WVDEP logo and the text "west virginia State Agency Directory | Online Services". A search bar on the right contains the text "Search WV DEP". Below the navigation bar, the main header features the WVDEP logo and the text "west virginia department of environmental protection - Promoting a Healthy Environment". A secondary navigation bar includes links for "DEP Offices | Agency History | News | Outlook Web Access | Text size A A A".

The main content area is titled "Home > Water and Waste Management > Water Use Section > WV Water Resources Management Plan". Below this, the heading "West Virginia Water Resources Management Plan" is displayed. A welcome message states: "Welcome to the WVDEP Water Use Section Public Information Portal. This website was developed in cooperation with the Center of Environmental, Geotechnical, and Applied Sciences (CEGAS) at Marshall University. It serves as a public information portal for data related to water use in West Virginia. The Water Use Section of the WV DEP was developed as a result of the Water Resources Protection and Management Act of 2008. On this site, you have access to reports from the Large Quantity User and Marcellus Shale Frac Water databases. Additionally, there are many other related datasets displayed for the West Virginia Water Plan Mapping Tool."

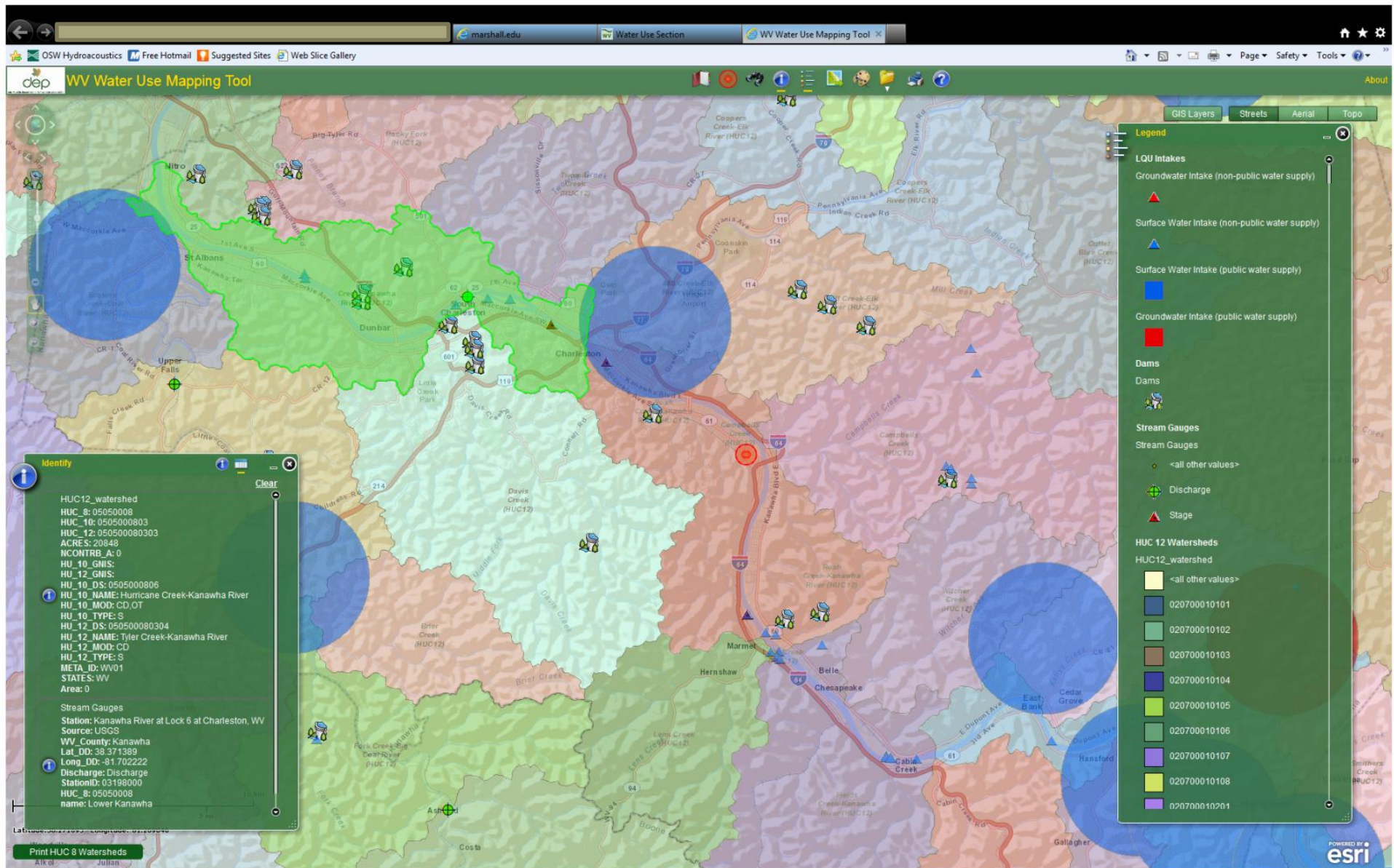
A blue button labeled "WV Water Resources Management Plan Mapping Tool" is prominently displayed. Below it, a text block reads: "To view the 'West Virginia Water Resources Management Plan', the 'West Virginia Watershed Atlas', or the 'West Virginia Watersheds: A Closer Look' documents please click on the corresponding image below. *Please note that the files are quite large and may take several minutes to load into your browser."

On the left side of the page, there is a vertical menu with the following items: "Water Withdrawal Guidance Tool", "WV Water Resources Management Plan", "Progress Reports - Water Resources Protection & Management Act", "State Rules and other related documents", "Frac Water Reporting Form", "Annual Certification-Large Quantity Users", "Mine Pool Atlas", "WV Water Laws, Regulations, and Rights", and "Helpful Links".

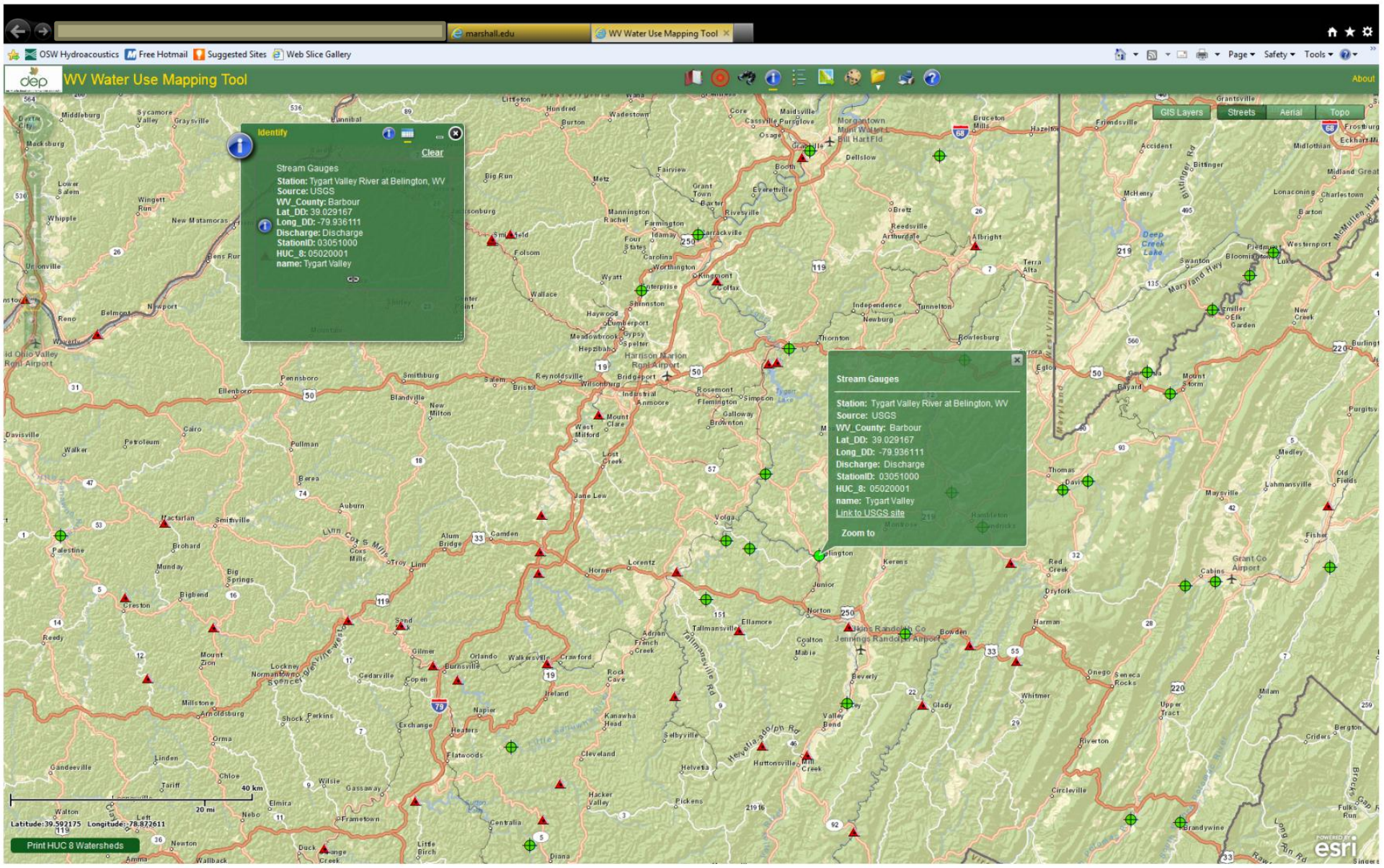
At the bottom of the page, three document thumbnails are shown:

- The first thumbnail is for the "West Virginia Water Resources Management Plan" (November 2013), with a caption below it: "Filetype: PDF (45 MB)".
- The second thumbnail is for the "West Virginia Watershed Atlas" (November 2013), with a caption below it: "Link to Watershed Maps".
- The third thumbnail is for "West Virginia Watersheds: A Closer Look" (November 2013), with a caption below it: "Filetype: PDF (30 MB)".

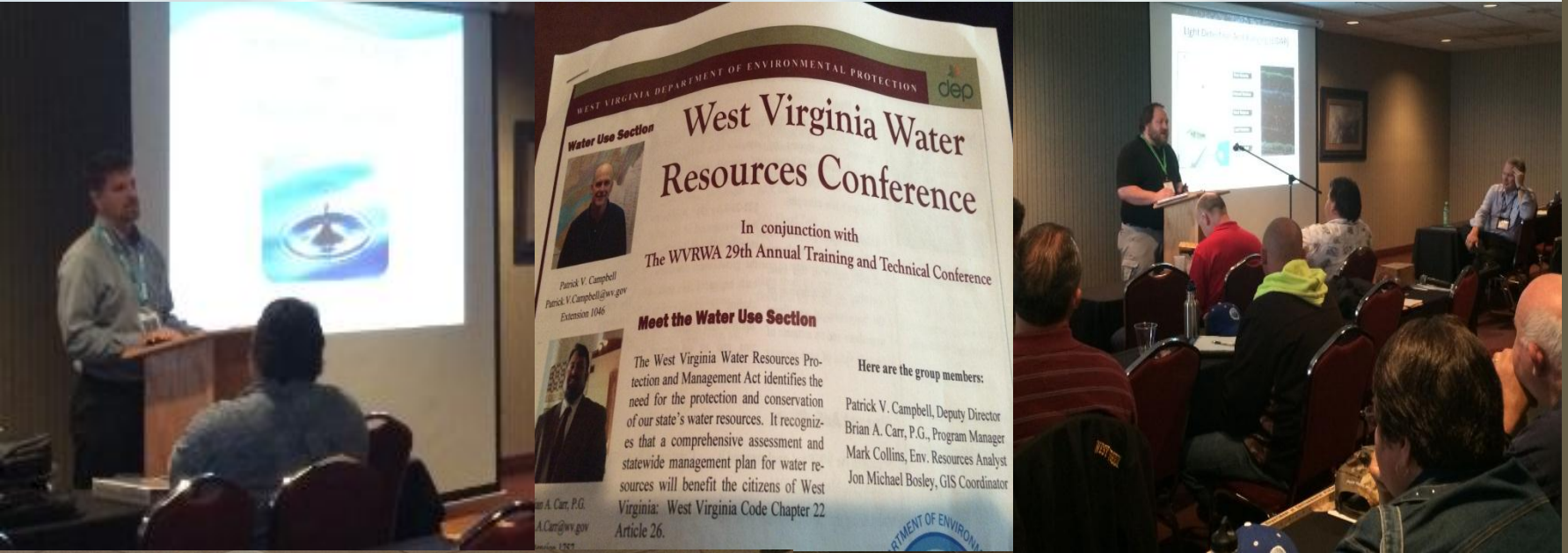
Overlap multiple GIS Layers

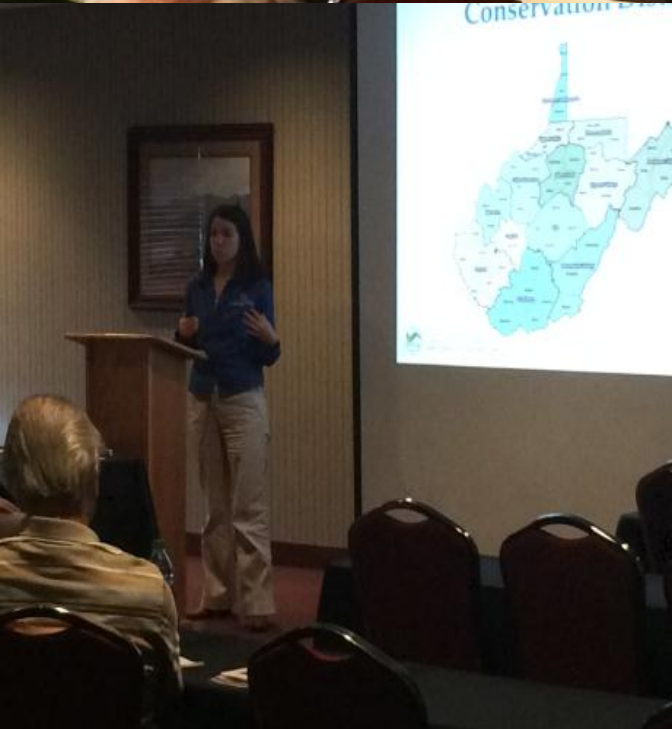
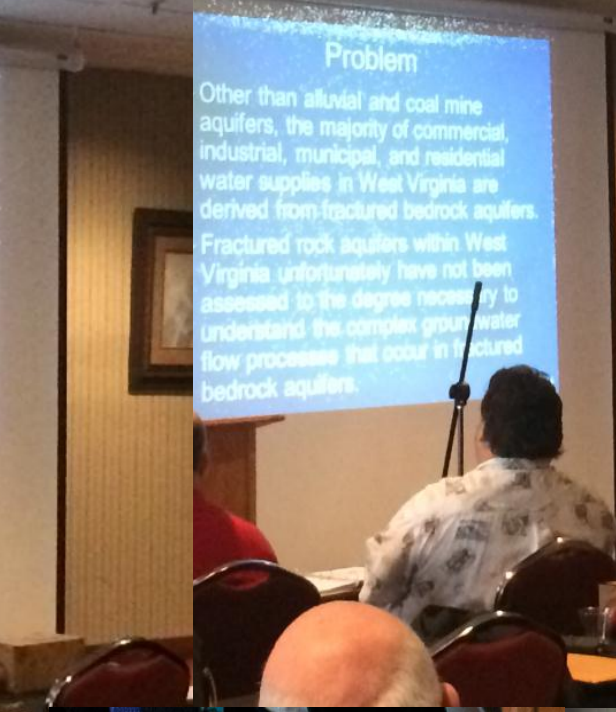
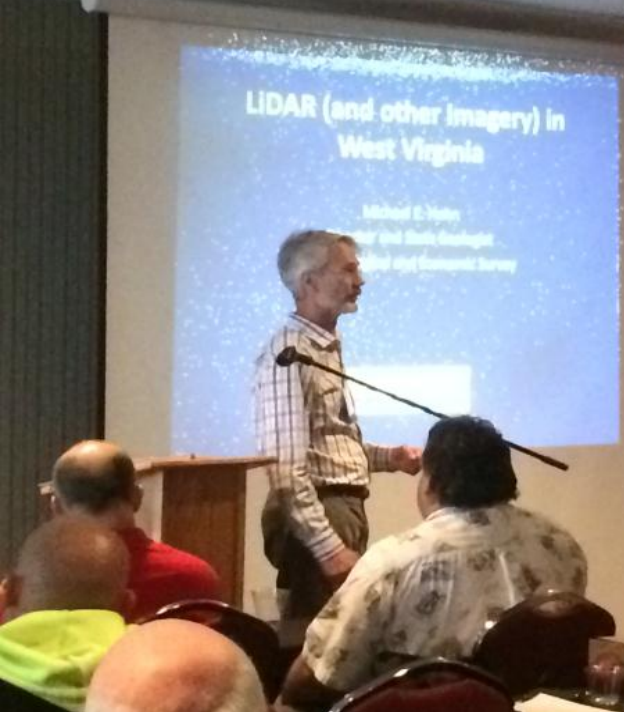


Stream Gauge Layers



Annual Conference





The Water Use Section



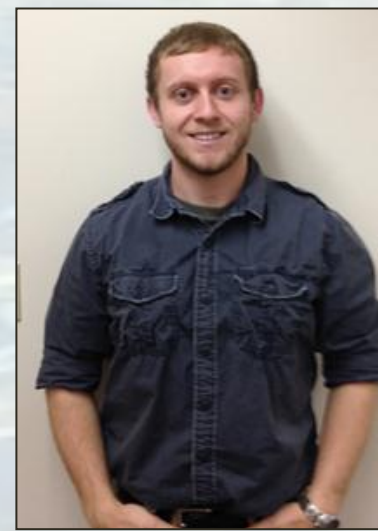
Pat Campbell
Deputy Director



Brian A. Carr, P.G.
Program Manager



Mark C. Collins
O&G Water Plans



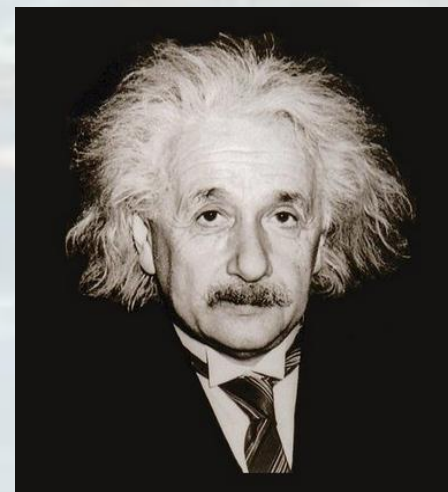
Carson A. Wright
Hydrologist



Jon Michael Bosley
GIS Programmer/Analyst

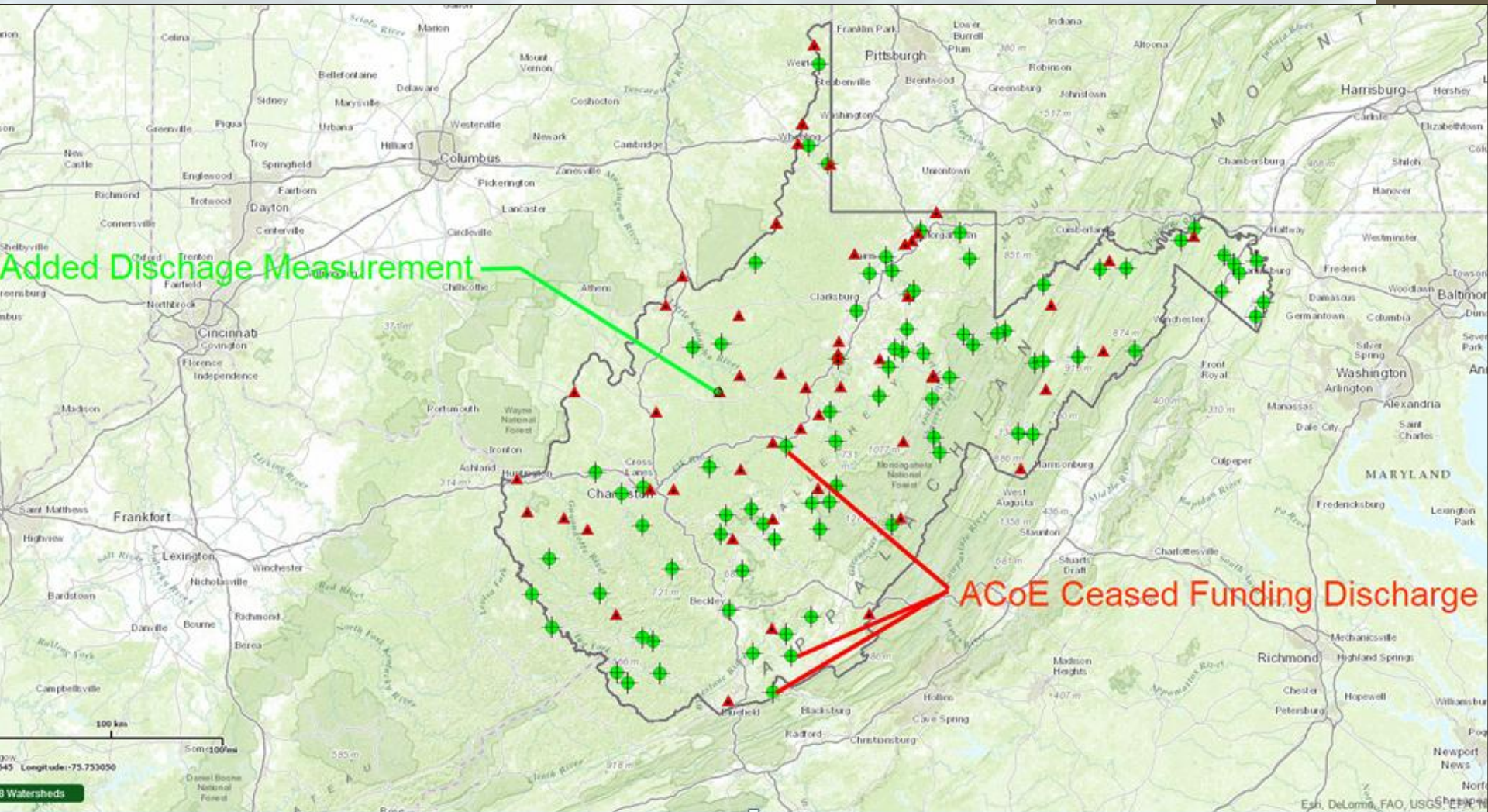


Robert Dale Biller
LQU Specialist



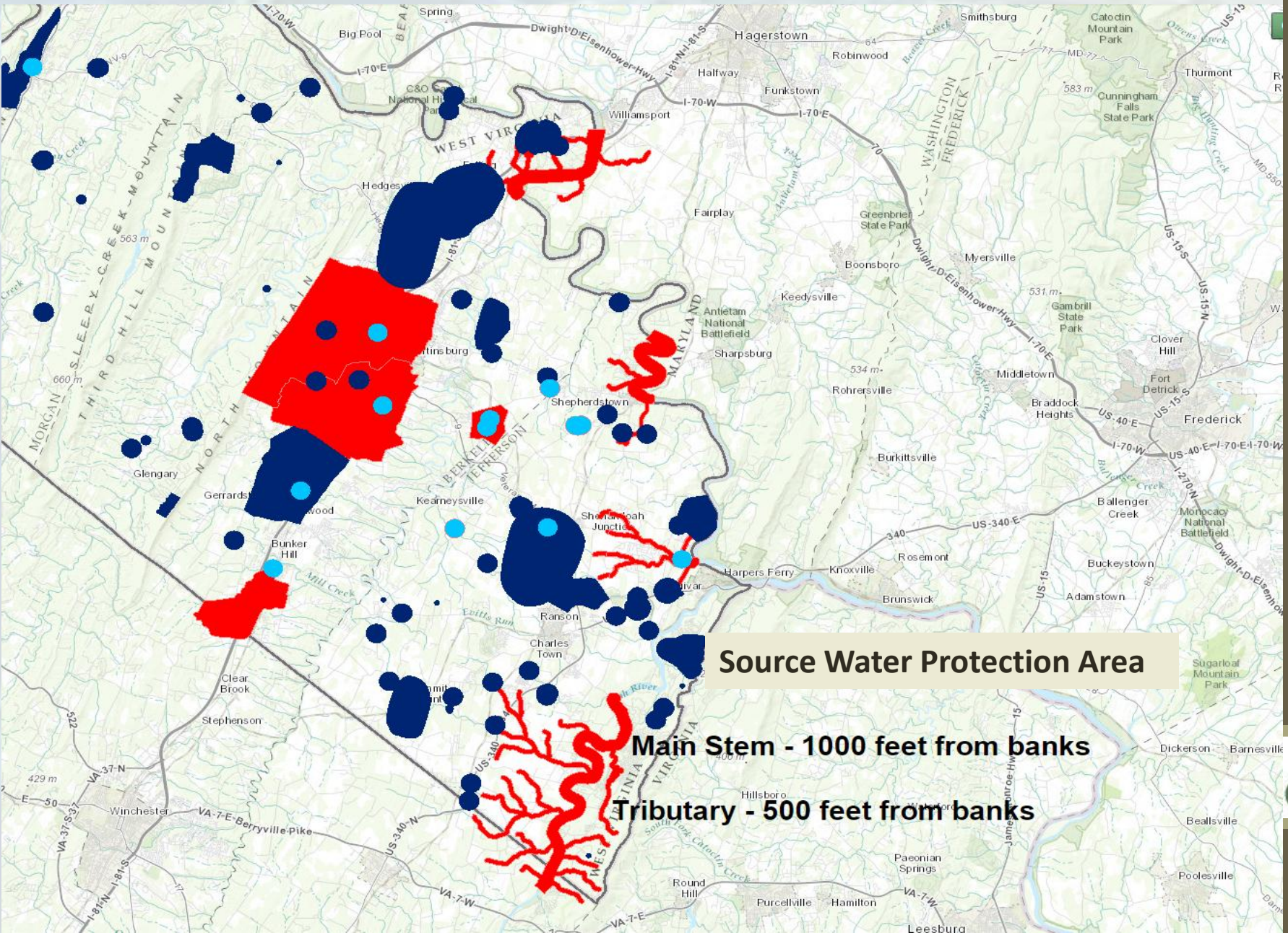
New ERA

Stream gage situation: +1, -3



Secure Funding Needed for our Gage network

DHHR ZCC and SWPA



Aboveground Storage Tanks (ASTs)



Overview of the Aboveground Storage Tank Act and its Implementation

Senate Bill 373, containing the Aboveground Storage Tank Act §22-30 and the Public Water Supply Protection Act §22-31 was approved by the 2014 Legislature and signed into law by Governor Earl Ray Tomblin on April 1, 2014. The law officially took effect on June 6, 2014, 90 days from its date of passage on March 8, 2014. The bill requires an inventory and registration of aboveground storage tanks. The bill also requires development of a variety of aboveground storage tank regulations for consideration in the 2015 Legislative session.

DEP is still accepting online AST registrations via the Electronic Submission System (ESS). The registration process includes questions about tank size, contents, construction, age and location. To assist in the registration process, there is a comprehensive AST Registration User's Guide available at the link below or on the ESS sign-up/login page that provides screen-by-screen instructions. DEP employees also are on hand to assist tank owners who are subject to the requirements of a newly enacted law intended to help prevent future leaks such as the one on Jan. 9 that contaminated the drinking water of approximately 300,000 West Virginia residents.

- [See if you need to register your AST ->](#)
- [See sample of electronic registration form ->](#)
- [See the Registration User's Guide ->](#)
- [Sign up for a login ID or log in to start registering ->](#)

On Oct. 1, 2014, DEP hosted a working meeting to discuss the rough draft of the AST Emergency Rule. This meeting allowed DEP to receive input and ideas on ways to ensure the rule fulfills its intended purpose.

- [See the PowerPoint presentations from the meeting ->](#)

The coming year will be a busy one for DEP staff as they work to implement the new program. Please check back frequently as this website will contain the latest information available on SB 373's implementation.

Featured Links

- [Enrolled Final Version Senate Bill No. 373](#)
- [Industry Standards, Organizations, & Other Resources](#)
- [Interim Spill Prevention Response Plan Guidance](#)
- [Interim Tank Certification Guidance](#)
- [Interim Tank Closure Guidance](#)
- [Required Signage](#)
- [Frequently Asked Questions](#)
- [Definitions](#)
- [Public Input Received for AST Rulemaking](#)
- [AST Contacts](#)
- [Hazardous Substances as Defined in Section 101\(14\) of CERCLA](#)

Learn more about the **Final 47 CSR 62 Interpretive Rule** filed on Oct. 21, 2014, after the comment period. See comments and responses; the public hearing transcript; and the final rule here ->

Learn more about the **Proposed Rule 47 CSR 63 - Aboveground Storage Tanks**, filed on Dec. 22, 2014 ->

WV Rural Water Seminar Schedule for Source Water Protection Plans

Important Dates

- June 6, 2014 - Statute becomes effective
- June 10, 2014 - Registration period opening
- Sept. 1, 2014 - NPDES General Permit holders having ASTs within the zone of critical concern must have applied for an NPDES Individual Permit (WVa. Code §22-31-9)
- Oct. 1, 2014 - All tanks must be registered (WVa. Code §22-30-4)
- Dec. 3, 2014 - Spill Prevention Response Plan Submittals due (WVa. Code §22-30-9)
- Jan. 1, 2015 - Inspections and certifications of all ASTs by a qualified person due (WVa. Code §22-30-6)

If you also want to learn about the **Underground Storage Tank Program** [click here](#)

- INDEX-alphabetic
- HOT TOPICS
- Aboveground Storage Tanks
 - Enrolled Final Version Senate Bill No. 373
 - Industry Standards, Organizations & Other Resources
 - Interim Spill Prevention Response Plan Guidance for ASTs
 - Submitting a Spill Plan or Spill Plan Certification
 - Interim Guidance for Certification of Annual Inspection of AST System
 - Submitting an Inspection Certification
 - Interim Tank Closure Guidance
 - Required Signage
 - Frequently Asked Questions
 - Definitions
 - Public Input Received for AST Rulemaking
 - AST Contacts
 - Final 47 CSR 62 Interpretive Rule
 - Proposed Rule 47 CSR 63
 - Working Meeting PowerPoint Presentations
 - Inspection and Enforcement
 - Resources and Education for public
 - Permitting
 - Regulations
 - Data
 - Water Use Section
 - Watershed Management
 - Programs
 - Contact information

DEP AST WEB PAGE

Find out more about reporting timelines, forms and the DEP's Final Interpretive Rule

QUESTIONS ?



WV department of environmental protection
-Promoting a healthy environment