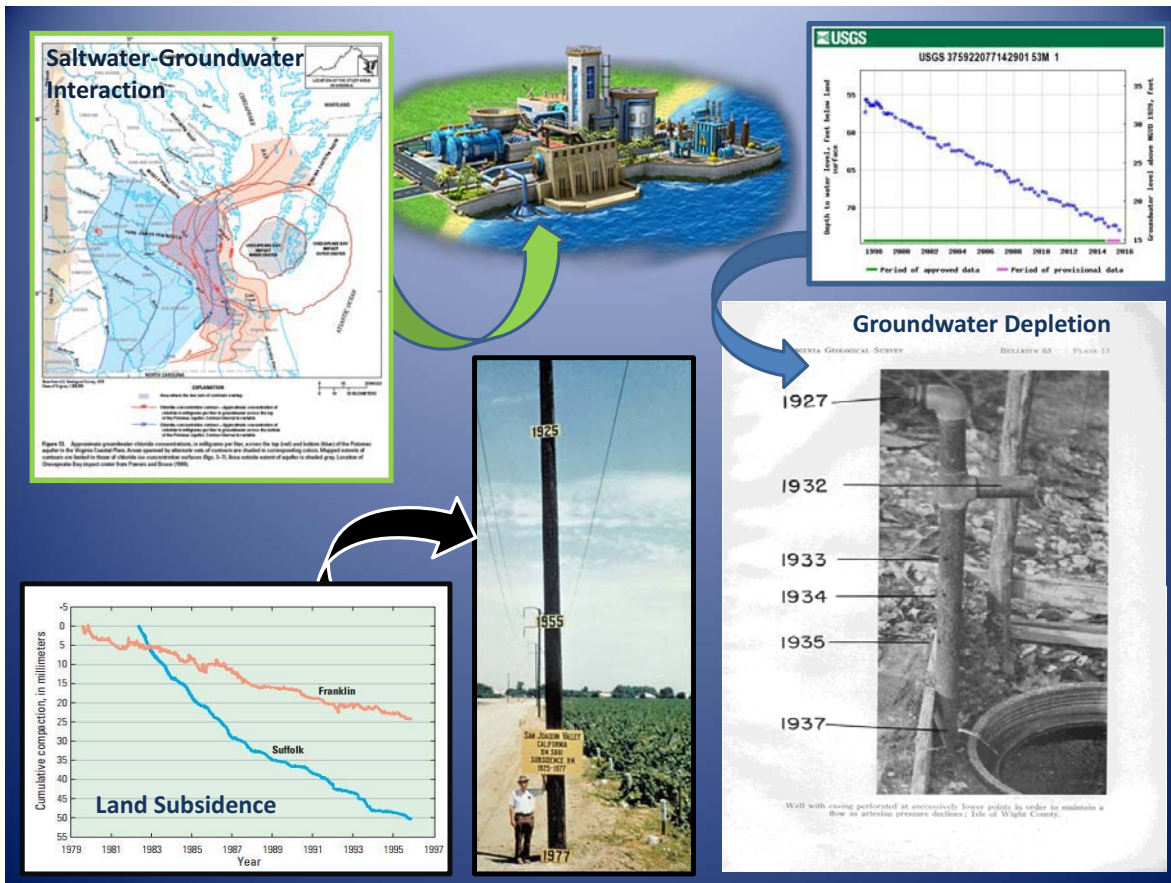




Managing Coastal Plain Groundwater: Innovative Solution to Understand Unregulated Water Use

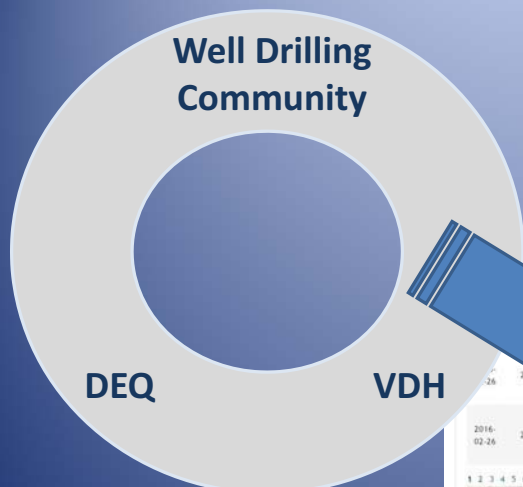
Curt Thomas
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 Department of Environmental Quality
 804-698-4024
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HB 1871 Legislation

“Registration of wells. Requires certified water well systems providers to register wells being constructed in ground water management areas with the State Water Control Board (SWCB) within 30 days of the completion of the well's construction. The bill requires the Department of Health (VDH) to provide the SWCB annually with a list of the wells that were permitted during the previous year and the SWCB to provide VDH annually with a list of the wells that were registered during the previous year.”

Stakeholder Groups



Key Takeaways:

1. Online well registration platform
2. Unified submission process for well drilling community and agencies

VA Hydro: Shared database access by DEQ, VDH, and Well Drillers

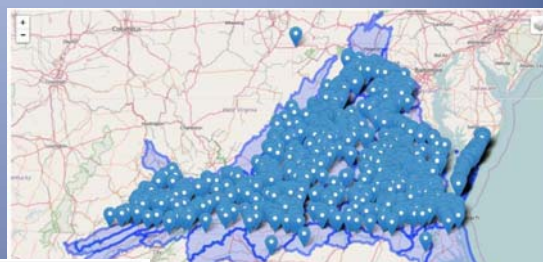
The screenshot displays the 'GW2 v1.1' web application. It features a 'Well Location' form with input fields for 'Well Designation or Number', 'Street Address', 'City', 'State' (set to Virginia), and 'Zip Code'. Below the form is a map showing well locations in Virginia. To the right of the map is a detailed data entry form for a specific well, including fields for 'Well Number', 'Physical Address', 'Subdivision Name', 'Tax Map-SPN', 'Latitude', 'Longitude', and various depth and casing specifications.

A Path Forward

- Complete first-year phase of online well registration module
- Address outstanding stakeholder feedback
- Continue outreach and training activity
- Further integration of online well reporting module and VDH well databases with full VA Hydro system

VA Hydro: Integration

VA Hydro will be fully integrated with all Office of Water Supply program data for enhanced modeling and analysis



Home > Cumberland, Goochland, Henrico, and Powhatan Counties Water Supply Plans

Select Plan Submittal Year to View:
 2008 2013 2018

MAP OF WATER SYSTEMS IN PLANNING REGION

Feature: ROYAL STORE PLANT Projections (sq ft)

Current Surface Water Withdrawal (MGD): 0.87 mgd

Future Withdrawal Projection GWMP (MGD): 1.31 mgd

WSP REGION MENU

- Overview
- Systems
- Water Uses
- Water Sources
- Summary Reports

4 Critical Indicators
 3 Critical Indicators
 2 Critical Indicators
 1 Critical Indicators
 0 Critical Indicators
 Unfiltered

REPORTS RECEIVED

Annual Water Use vs. Permitted Limit

Year	Limit (gpd)	Reported (for gpd)	% of Limit Used
2014	31,446,000	0	0.0
2015	31,446,000	24,108,700	75.7
2016	31,446,000	16,426,700	51.4
2017	31,446,000	22,218,000	70.3
2018	31,446,000	23,611,300	74.8

ANNUAL WATER USE (GALLONS)

Year	Limit (gpd)	Reported (for gpd)	% of Limit Used
2014	31,446,000	0	0.0
2015	31,446,000	24,108,700	75.7
2016	31,446,000	16,426,700	51.4
2017	31,446,000	22,218,000	70.3
2018	31,446,000	23,611,300	74.8

MONTHLY WATER USE

Month	Reported (for gpd)	% of Limit Used
1	0	0.0
2	0	0.0
3	0	0.0
4	0	0.0
5	0	0.0
6	0	0.0
7	0	0.0
8	0	0.0
9	0	0.0
10	0	0.0
11	0	0.0
12	0	0.0