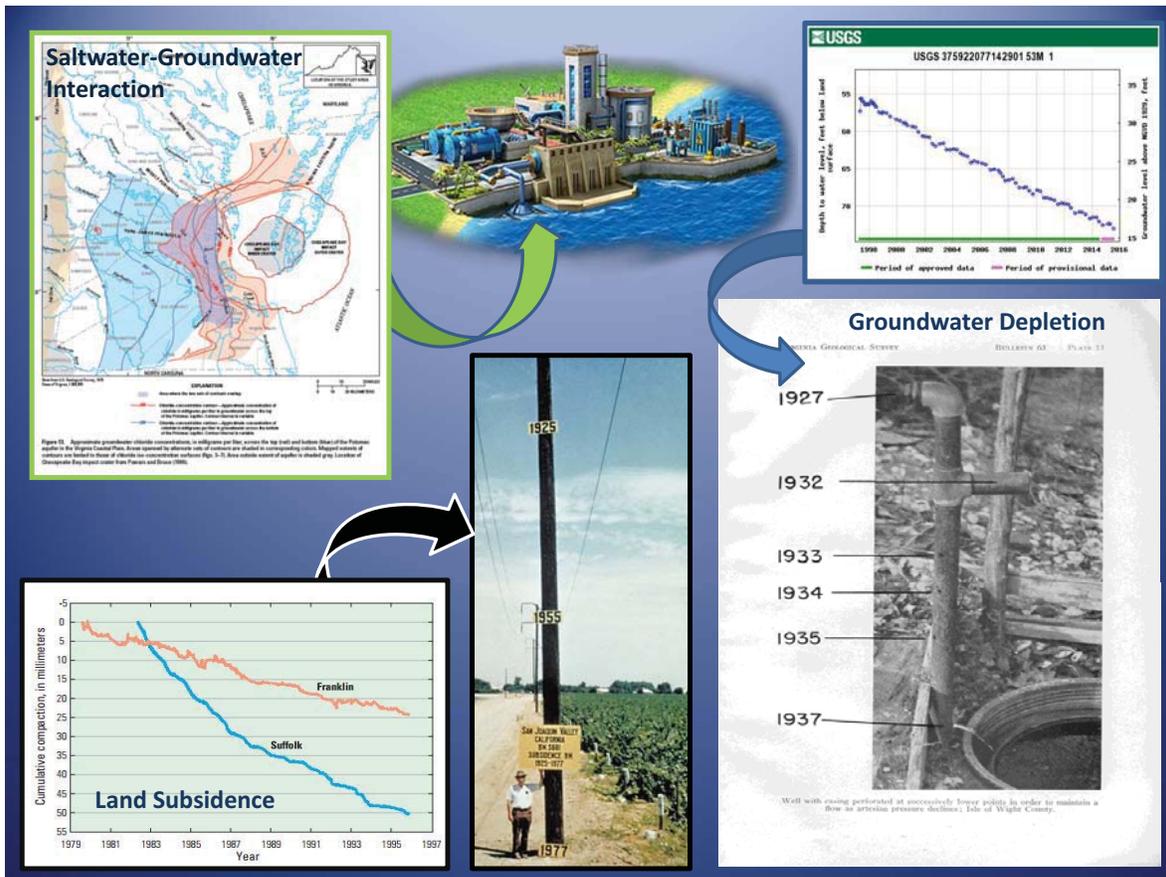




Managing Coastal Plain Groundwater: Innovative Solution to Understand Unregulated Water Use

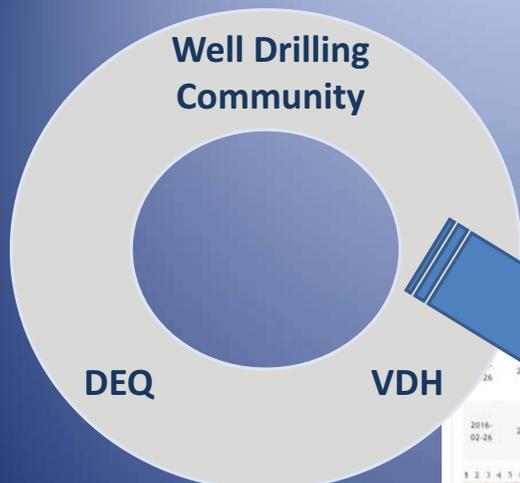
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 Department of Environmental Quality
 804-698-4024
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HB 1871 Legislation

“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



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

DEQ Well Number:	2	USGS Local Number:	
VDH HDN Number:	16-142-0033	VDH FMSD Number:	
Well Designation or Number:	2		
Well Location			
Physical Address:	5475 Shiloh Road, Goochland	County/City:	Hanover
Subdivision Name:		Block:	
Tax Map/GPIN #:		Well Designation or Number:	2
Latitude:	37.41217776	Longitude:	-77.2311376
Lat/Long Designation:	Decimal Minutes	Horizontal Datum Source:	
Location Information Collected By:	Richard V. Carl	Vertical Datum Source:	Imagery
Facility and Use Information			
Type of Facility:	Private Well	Type of Use:	Drinking/Comets Use
Well Construction Information			
Date Started:	2016-02-29	Date Completed:	2016-02-29
Type of Reg. (Initial History)		Class Well:	05
Well Depth (ft):	200	Borehole Depth (ft):	238
Type of Seal:	Well Cap	Camera Survey:	16
Height of Casing (ft):	1.5	Total Depth of Casing (ft):	200
		Construction Type:	Non-Depth to Bedrock (N)
		Date Constructed:	
		Estimated Yield (gpm):	20

Key Takeaways:

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

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
 Unfilled

REPORTS RECEIVED

Annual Water Use vs. Permitted Limit

Year	Limit (gpd)	Reported (sq gpd)	% of Limit Used
2014	31,446,000	0	0.0
2015	31,446,000	23,378,700	75.7
2016	31,446,000	16,428,700	51.4
2017	31,446,000	22,278,000	71.2
2018	31,446,000	23,611,300	76.4

WATER WITHDRAWALS BY PLANNING REGION

Graph or table of total current and future Water Withdrawals in the planning region - also by system type

PERMIT TOPICS

- Overviews
- Applications
- Permit Locations
- Reporting
- Compliance & Enforcement
- Contracts

COMPLIANCE MENU

- GW Permit Order Book
- Compliance Reporting
- Compliance Annual Limit
- Compliance Monthly Limit
- Compliance Annual Limit
- Compliance Monthly Limit
- Historical Compliance
- Expired Permits Active Status
- Special Conditions Tracking

MONTHLY WATER USE

Select Year to View:
 2014 2015 2017

Month	Reported	User Signatory	% of Limit Used
1	0	0.0	0.0
2	0	0.0	0.0
3	0	0.0	0.0
4	0	0.0	0.0
5	0	0.0	0.0
6	0	0.0	0.0
7	0	0.0	0.0
8	0	0.0	0.0
9	0	0.0	0.0