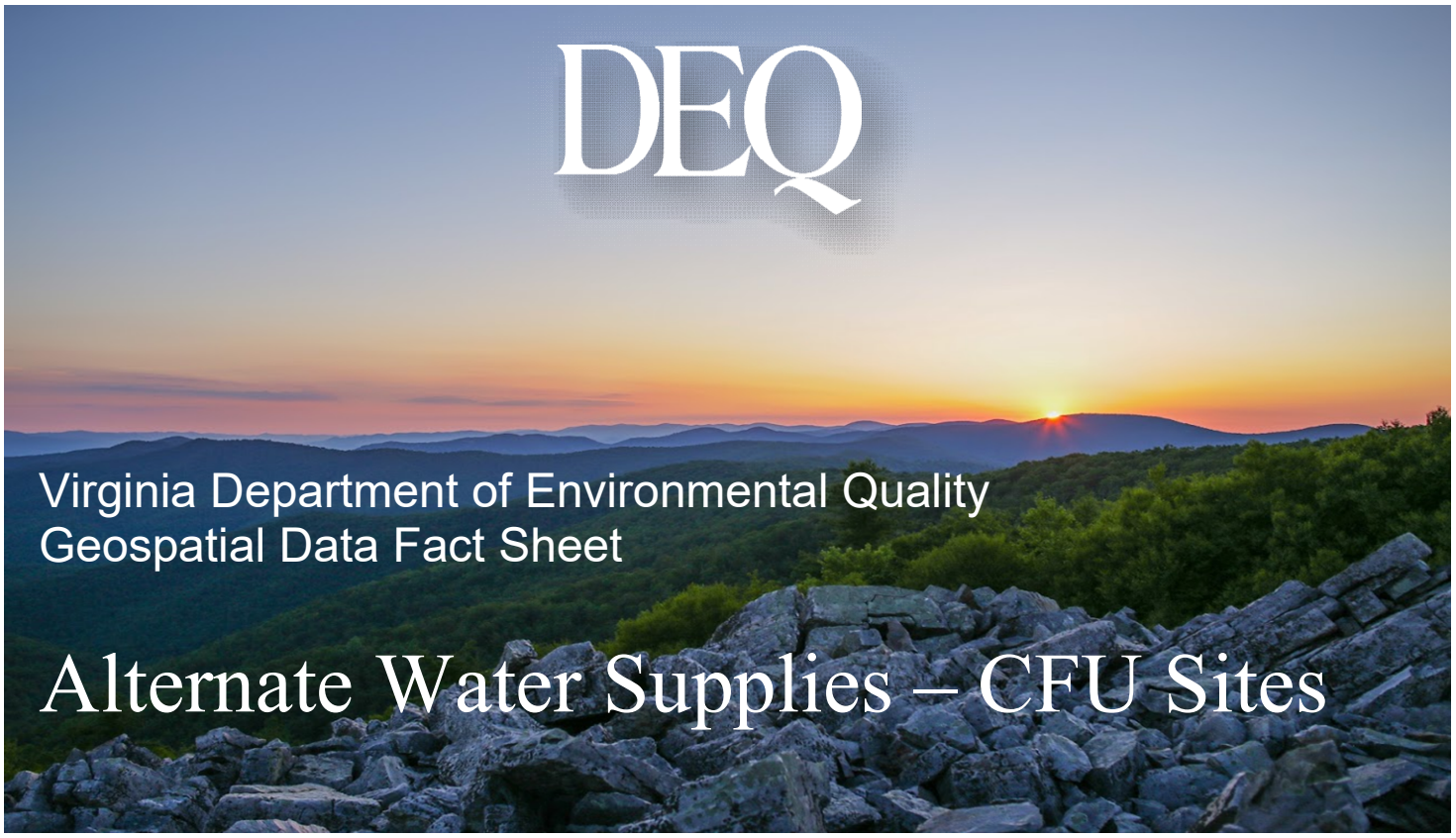


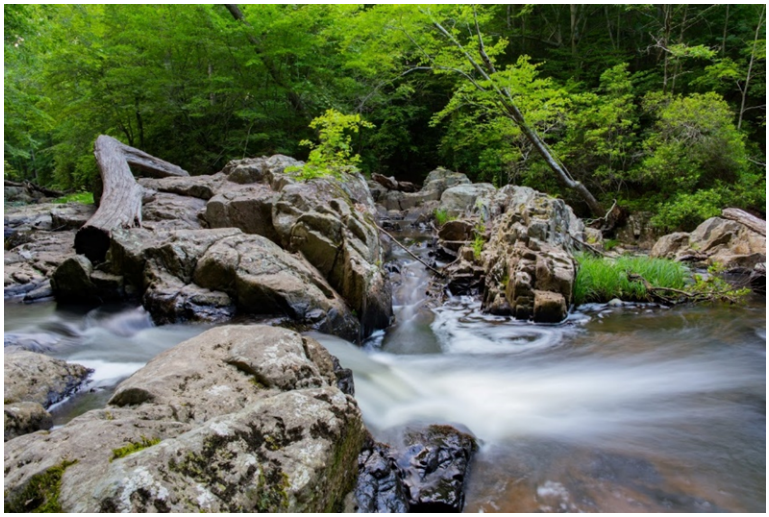
DEQ

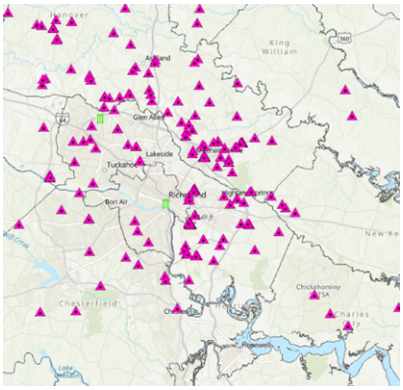
Virginia Department of Environmental Quality
Geospatial Data Fact Sheet

Alternate Water Supplies – CFU Sites

Dataset Summary

This Virginia DEQ data layer consists of private and community drinking water wells that have been assessed and in many cases, impacted by petroleum contamination. The map layer displays physical locations of residences and facilities that have been involved in the DEQ Alternate Water Supply (AWS) and Carbon Filtration Unit (CFU) Program. More specifically, this layer includes former (resolved) projects where petroleum impact has been reported, active projects that are presently equipped with CFUs to remove petroleum in water supplies, and sites where petroleum contamination was not confirmed.





Data Contact:

Organization: Virginia Department of Environmental Quality.

CFU Program

Address: 1111 East Main Street, Richmond, VA 23219

Dataset Description and Purpose

The Alternate Water Supply (AWS) and Carbon Filtration Unit (CFU) Program was developed by the Virginia DEQ to abate hazards from petroleum-contaminated drinking water. CFUs are on-site water filtration and conditioning units that provide a temporary clean water source to the public, when certain types of drinking water wells are impacted with petroleum-related contaminants from leaking Aboveground and/or Underground storage tanks.

This metric/layer is important to identify the geographical location of these suspected, confirmed and resolved petroleum impacts to drinking water wells. The unique identification names and numbers assigned to each location assist with the identification of DEQ records related to the source of the petroleum contamination to permit further investigation, when desired.

GIS coordinates for the Petroleum AWS-CFU data layer are determined by the associated 911 address or other location information that is reported to DEQ staff from the well owner. The data layer is updated periodically as new cases are reported. On occasion, older project locations are added or updated.

Dataset Credits:

Who developed and owns this dataset (Program / agency)

CFU Program, Department of Environmental Quality Richmond, Virginia.

Update Cycle:

This dataset is updated nightly

Resource Constraints / Use Limitations

There are no constraints or limitations on the use of this dataset. Please be aware of the Data Disclaimer and the Data Quality sections below.

Data Disclaimer

This geographic information system (GIS) data is made available as a public service. **This dataset is to be used for reference purposes only and Virginia Department of Environmental Quality, is not responsible for any inaccuracies herein contained**. No responsibility is assumed for damages or other liabilities due to the accuracy, availability, use or misuse of the information herein provided. GIS information is in the public domain and may be copied without permission; citation of the source is suggested.

The information contained within this geospatial dataset is for reference purposes only and is **not** to be construed or used as a "legal description" or for legal purposes. This information is believed to be accurate, but accuracy is not guaranteed. Information drawn from this dataset must be used in consultation with appropriate federal, state, or local resource management officials. Any errors or omissions should be reported to Virginia Department of Environmental Quality via email, or via the contact listed within this Fact Sheet.

The Petroleum CFU data layer may not have all the historical sites that were addressed by DEQ because there are instances where technical difficulties prevent determining certain 911 addresses. In some instances, the software may interpret the correct 911 address incorrectly and generate an inaccurate geophysical point for the related site. In many cases DEQ staff correct errors, but the potential exists for placement (geo-plotting) errors to occur.

Data Quality

Data is reviewed and updated when GIS coordinates are determined by the associated 911 address or other location information that is reported to DEQ staff from the well owner. The accuracy depends solely on the data submitted by the well owner. However, DEQ strives to have the most accurate data possible and when inconsistencies appear we attempt to contact the responsible party and update our data. If any data is found to be incorrect in this GIS layer, please contact the DEQ staff listed on this Fact Sheet and we will investigate.

Spatial Reference Information

EPSG 3857: WGS 84 / Web Mercator – Spherical Mercator: https://epsg.io/3857

Data Dictionary / Field Information.

Field Name	Field Alias	Field Summary
OBJECTID_12	??	??
ARS_ID	AWS-CFU System ID	Unique sequence number assigned to AWS Sites
ARS_NAME	AWS Site Name	AWS Site Name
ARS_ADDR_1	AWS Site Address	Physical address (911 addresses) for AWS Site
ARS_CITY	AWS Site City	City of physical 911 addresses for AWS Site
ARS_STATE	AWS Site State	State of physical 911 addresses for AWS Site
ARS_ZIP	AWS Site Zip	5-Digit zip code of 911 addresses for AWS Site
ARS_STATUS	AWS Site Status	AWS Status (i.e. Active System, Assessment, Inactive System)
ARS_SYS_REMOVE_DATE	CFU System Remove Date	Date CFU system removed
ARS_SYS_INSTALL_DATE	CFU System Installation Date	Date CFU system installed
RST_POLL_COMPLAINT_NO	Pollution Complaint Number	Unique sequence number assigned to Pollution Complaints that are entered as Petroleum Release Sites
INSERT_DATE	Inserted Date	Date AWS Site inserted in CEDS
INSERT_BY	Inserted By	DEQ staff that inserted AWS Site
CHANGED_DATE	Changed Date	Date AWS Site changed in CEDS
CHANGED_BY	Changed By	DEQ staff that changed AWS Site
VERIFYDATE	Verified Date	Date GIS coordinates verified
VERIFIEDBY	Verified By	DEQ staff that verified GIS coordinates