



CMC

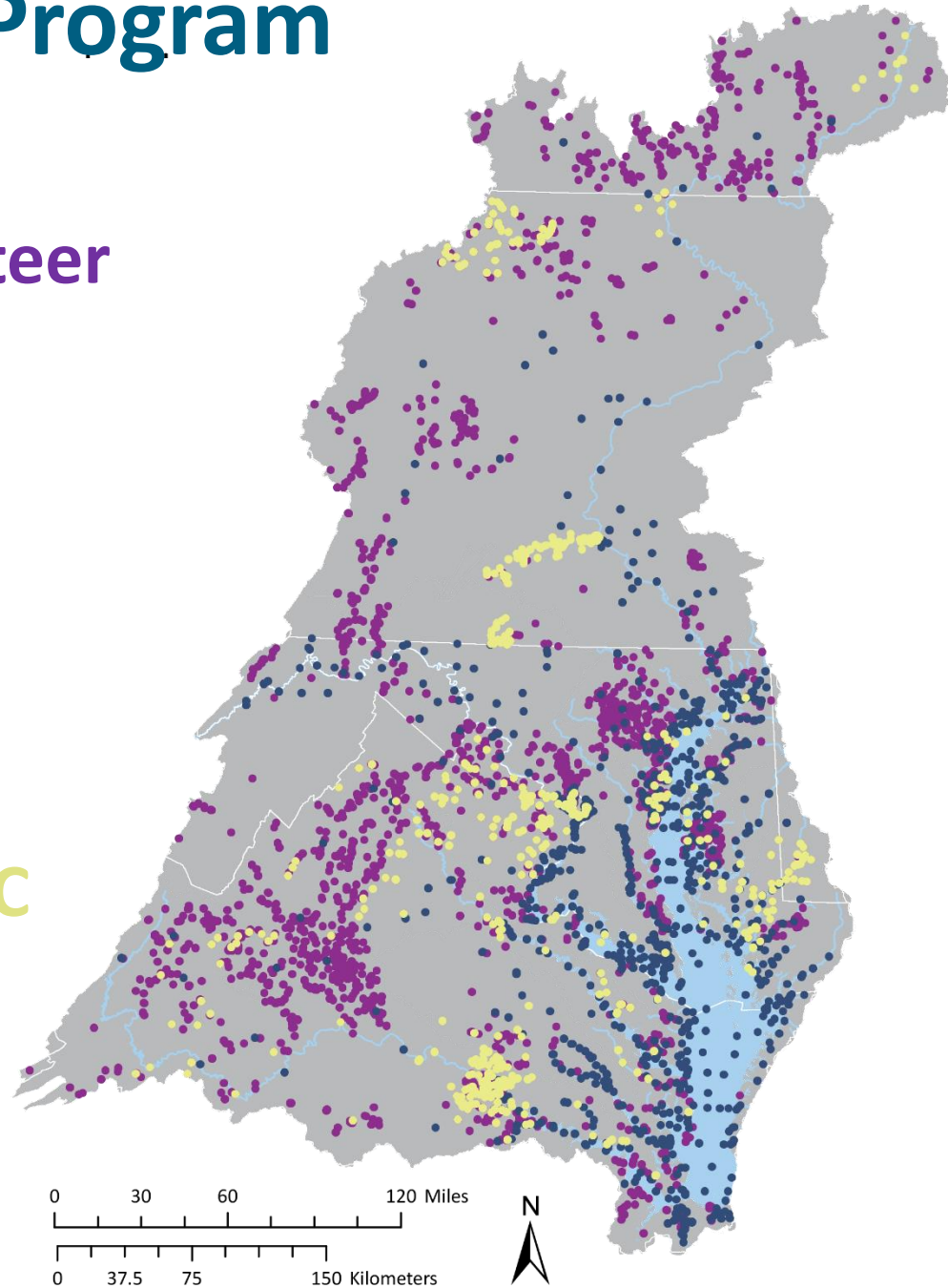
Chesapeake Monitoring Cooperative

Liz Chudoba
Water Quality Program Manager
Alliance for the Chesapeake Bay
May 29, 2019

Chesapeake Bay Program Monitoring Sites

Chesapeake Bay Volunteer
and Nontraditional
Monitoring Sites

Chesapeake Bay
Volunteer and
Nontraditional
Monitoring Sites
Integrated into the CMC



Tier 3 Approved

- Nanticoke Watershed Alliance
- Blue Water Baltimore
- MDE Shellfish
- Arundel Rivers Federation

Coming up: Shore Rivers

Tier 1 and 2 Groups

- **Alliance for the Chesapeake Bay**
- **Anacostia Riverkeeper**
- Antietam Watershed Association
- Big Spring Watershed Association
- Bradford County Volunteer Monitors
- Caledon State Park
- **Chesapeake Bay Foundation**
- Chesapeake Bay Governor's School
- **Chesterfield WaterTrends**
- Conodiguinet Creek Watershed Association
- Cumberland County Conservation District
- Cumberland Valley Trout Unlimited
- Friends of the Rappahannock
- God's County Water Dogs
- **Henrico Area Water Quality Samplers**
- James City County
- **James River Association**
- James River Master Naturalists
- LeTort Regional Authority
- Middle Spring Watershed Association
- Northern Neck Master Naturalists
- Otsego County Conservation Association
- **Peninsula Chapter Master Naturalists**
- Reedy Creek Coalition
- Reston Association
- Riverine Master Naturalists
- **Spa Creek Conservancy**
- United States National Arboretum

Benthic Groups

- Northern Virginia SWCD
- Cowpasture River Preservation Association
- Culpeper SWCD
- Shenandoah University
- Friends of the Middle River
- Friends of Lake Accotink Park
- Friends of the North Fork of the Shenandoah River
- Goose Creek Association
- James River Association
- John Marshall SWCD
- Loudoun Wildlife Conservancy
- Maury River Monitors
- Northern Virginia Chapter Trout Unlimited
- NOVA Community College
- Oakbrook Stewards of Creation
- Penn Stream Team
- Prince William SWCD
- Rappahannock Chapter IWLA
- Reston Association
- VA Master Naturalists
- Salamander Savers 4H
- Shenandoah Valley SWCD

Monitored by: Alliance for the Chesapeake Bay, Reston Association

Use the **Water Quality** or **Benthic Macroinvertebrates** buttons to select the type of data you want to view for this station. Click a **Quick Plots** option to choose commonly viewed water quality data types. Click **Export Plot** to download the graph. Click **Download Data** to be taken to a data query page for this station.

Water Quality**Benthic Macroinvertebrates****Quick Plots**

Dissolved oxygen mg/L | Water temperature deg C |

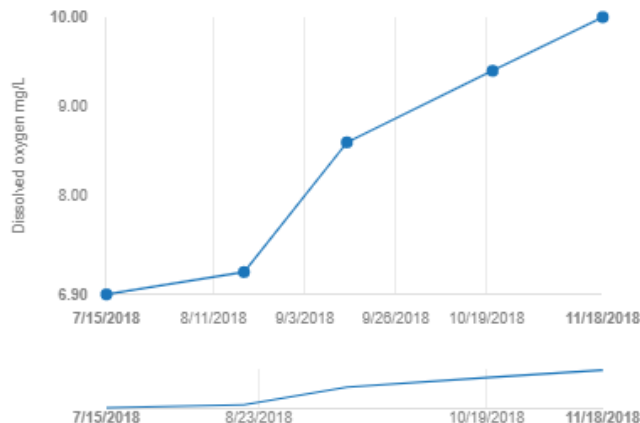
Water Quality Parameters**Export Plot****Download Data**

Dissolved oxygen mg/L

Depth (m)

0.3

Values displayed on graph are daily means of duplicate samples.



Please note that parameters are consolidated in the plot where sampling methodologies may be different. Please click the "Show Details" button for more information.

+ Show Details**Station Profile**

Description: NULL

Location: 38.9298922, -77.3458976

First Sampled: July 15, 2018

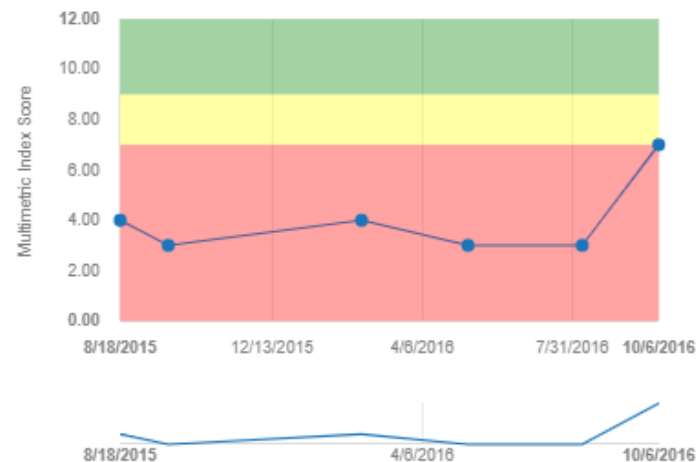
Most Recent Sample: November 18, 2018



Leaflet | © OpenStreetMap

Monitored by: Alliance for the Chesapeake Bay, Reston Association

Use the **Water Quality** or **Benthic Macroinvertebrates** buttons to select the type of data you want to view for this station. Click a **Quick Plots** option to choose commonly viewed water quality data types. Click **Export Plot** to download the graph. Click **Download Data** to be taken to a data query page for this station.

Water Quality**Benthic Macroinvertebrates****Benthic Metrics****Export Plot****Download Data**Ecological Condition: ■ Poor ■ Fair ■ Good**Station Profile**

Description: NULL

Location: 38.9298922, -77.3458976

First Sampled: August 18, 2015

Most Recent Sample: October 6, 2016



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Chesapeake Data Explorer

Welcome to the Chesapeake Data Explorer!

This is your gateway into data collected by a Chesapeake Basin-wide network of volunteer and non-traditional water quality monitors. Use the **Map** tab to investigate information about the database or to view Water Quality or Benthic Macroinvertebrate data on the map. Use the **Query** tab for more complex interactions and access to data download functions.

[Map](#)[Query](#)

On this page you can download data from the CMC Data Explorer database. Use the form below to build a query that will identify the specific data you want to download. As you step through the form, each selection will narrow down the possible options in subsequent steps. For example, if you choose James River from the "Watershed" selection box, then the subsequent selection boxes (sub-watershed, groups, stations, etc) will only show options available in the James River watershed. At the bottom of the form, use the check boxes to select the associated metadata you would like to include with your download. When you are finished making your selection, click **Get Results** to download your .csv file(s) of data.

Data Type

Benthic Macroinvertebrates

Geographical Type

Political Boundary

States (Pick all that apply)

All States

City/County (Pick all that apply)

All Cities and Counties

Groups (Pick all that apply)

All Groups

Stations (Pick all that apply)

All Stations

Start Date


End Date

Choose Optional Metadata to Include With Download:

☐ Groups

☐ Stations

 **Get Results**

 **Clear All Filters**

Chesapeake Data Explorer

Biological Parameters

- *E.coli*
- *Enterococcus*

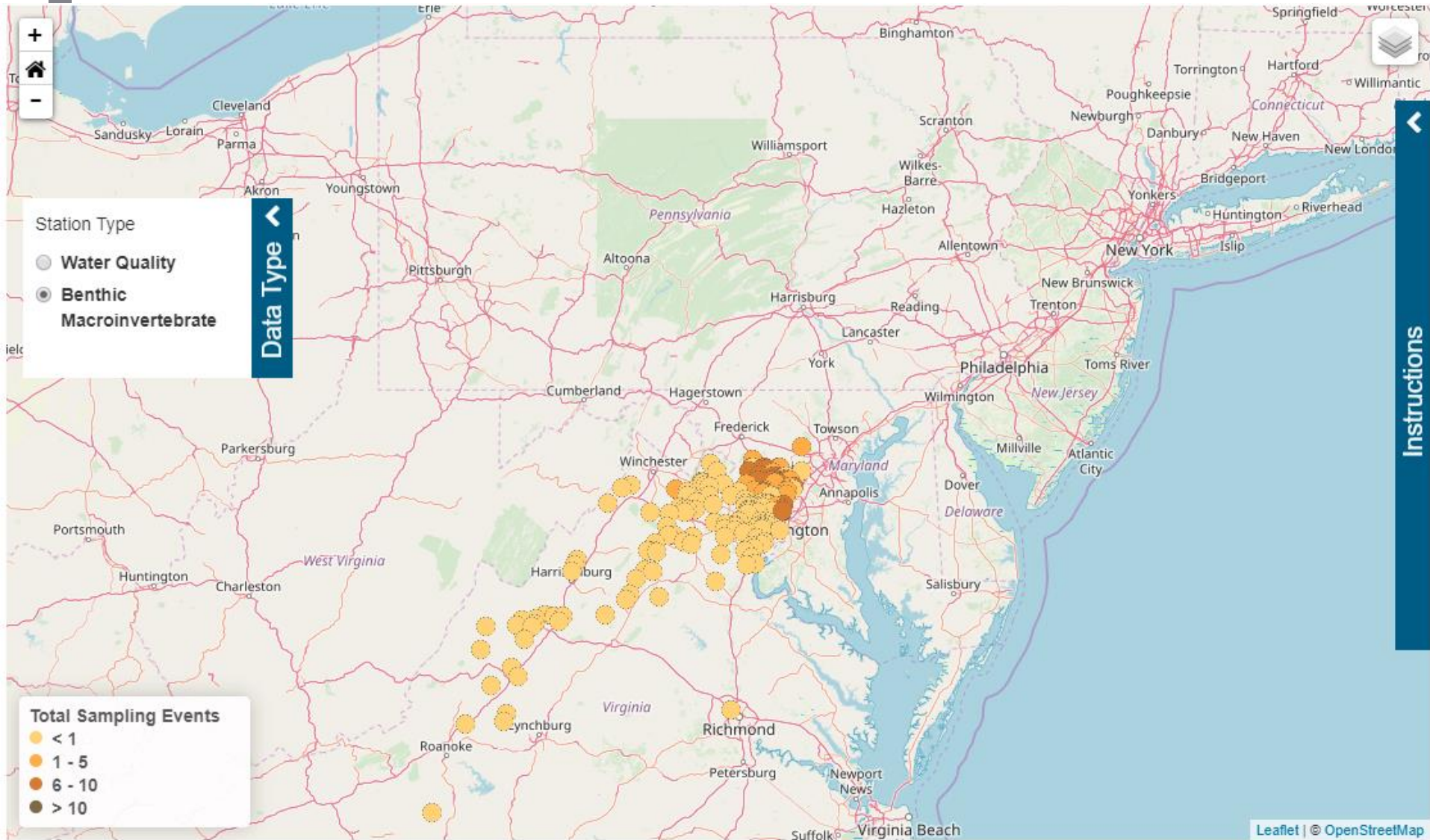
Chemical Parameters

- Air Temperature
- Alkalinity
- Conductivity
- Dissolved Oxygen
- pH
- Salinity
- Water Clarity
- Water Temperature

Lab Parameters

- Ammonia
- Total Kjeldahl Nitrogen
- Nitrate, Nitrite, Total Nitrogen
- Orthophosphate, Total phosphorus
- Total Suspended Solids

Chesapeake Data Explorer



Chesapeake Data Explorer



Questions?