

STREAM TEMPERATURE IN THE CHESAPEAKE BAY WATERSHED

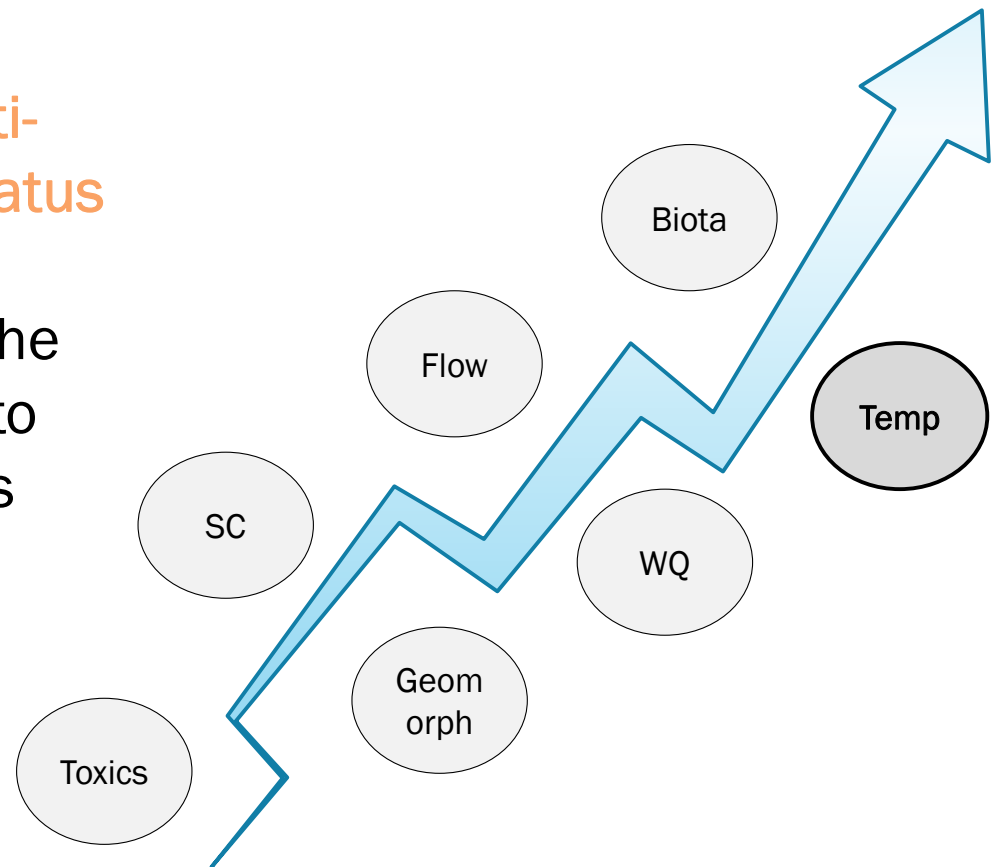
JOHN CLUNE, JAMES COLGIN AND TAMMY ZIMMERMAN




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The USGS has compiled **multi-agency data** for assessing **status and trends**, and **modeling** stream temperature across the Chesapeake Bay watershed to better understand the drivers and stressors of fish health



The multi-agency data release of stream temperature in the bay watershed is in colleague review and soon to be published.



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Compilation of multi-agency water temperature observations for streams within the Chesapeake Bay watershedAddViewManage Item

Dates

Publication Date : 2022

Citation

John W. Clune, James E. Colgin, and Tammy M. Zimmerman, 2022, Compilation of multi-agency water temperature observations for streams within the Chesapeake Bay watershed, U.S. Geological Survey Data Release, <https://doi.org/10.5066/P92SHG66>.

Summary


This data release collates stream water temperature observations across the Chesapeake Bay watershed from the USGS National Water Information System (NWIS), USGS Aquarius Time-Series database (Aquarius), and the Water Quality Portal (WQP). Data retrieved from NWIS consists of aggregate (minimum, maximum and mean) daily values and continuous data from USGS monitoring stations. The dataset compiled from Aquarius includes miscellaneous stream temperature observations collected during discharge measurements. Values from the WQP contain discrete data from multiple agencies. This stream temperature data compilation was completed to support the USGS goal of providing the status and trends of key indicators of stream health in the Chesapeake Bay watershed.

Contacts

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Originator : John W. Clune, James E. Colgin, Tammy M. Zimmerman

Map »



Communities

USGS Pennsylvania Water Science Center

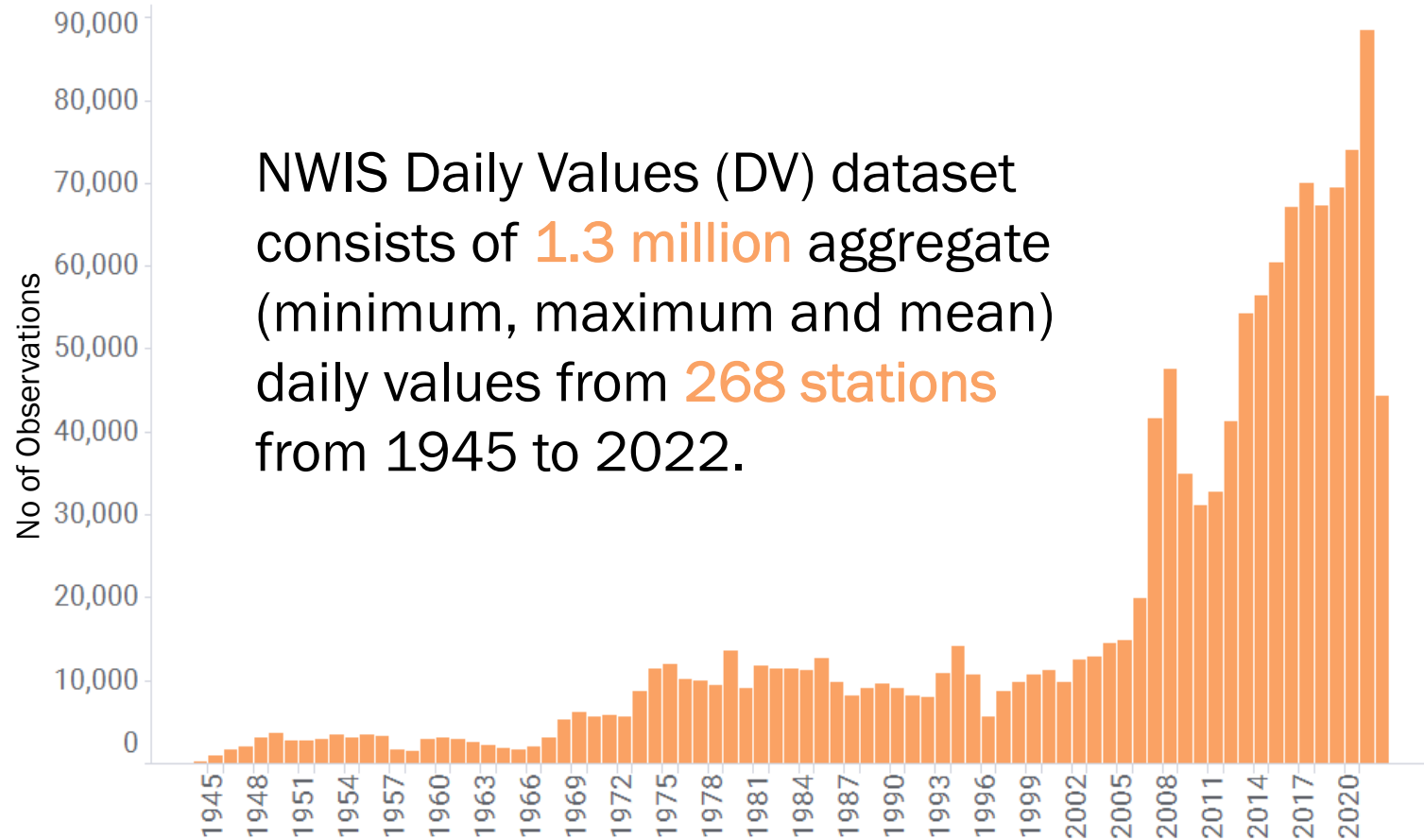
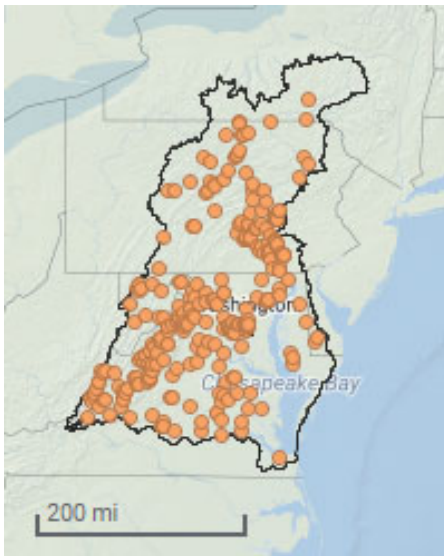
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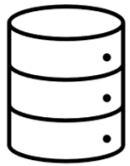
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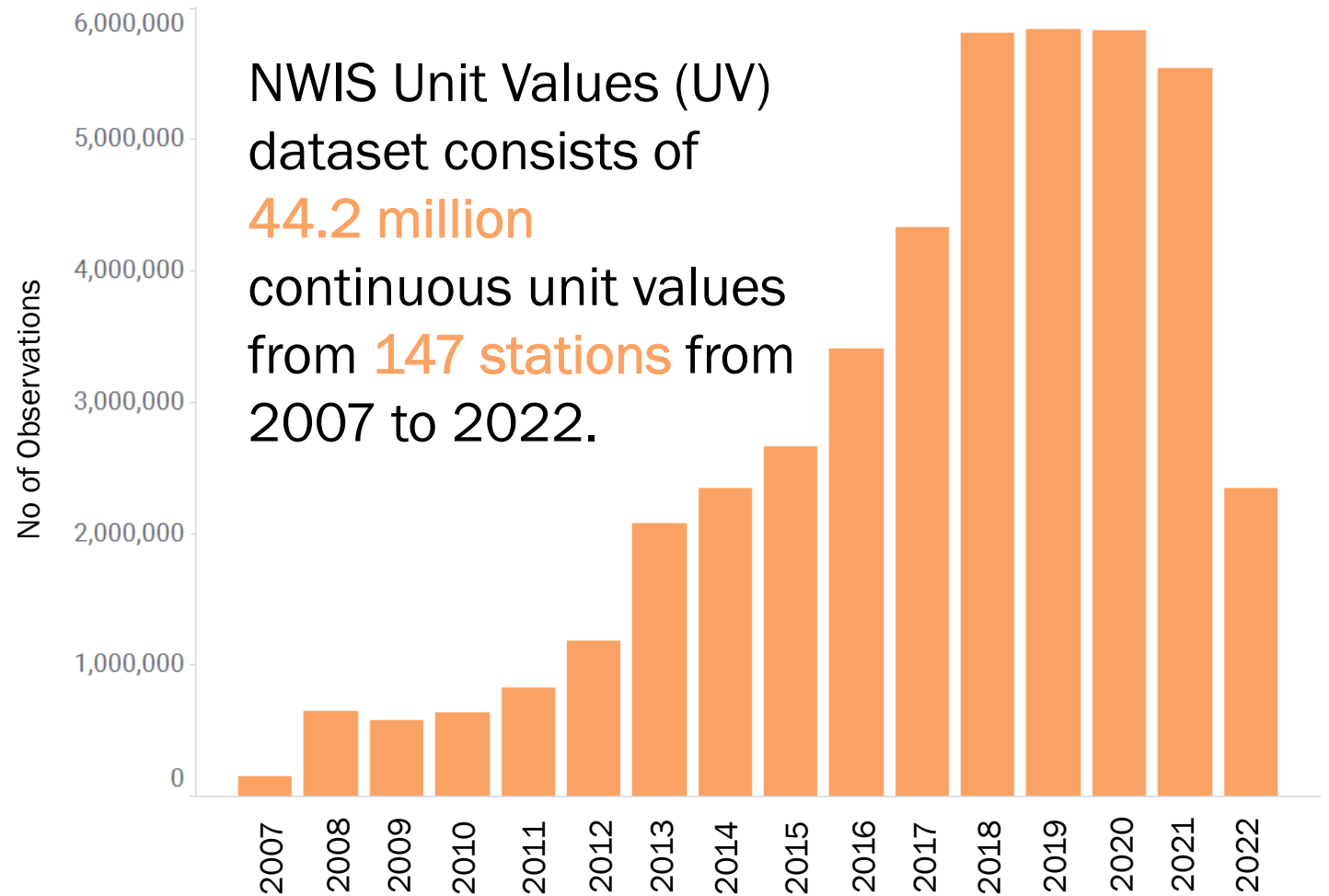
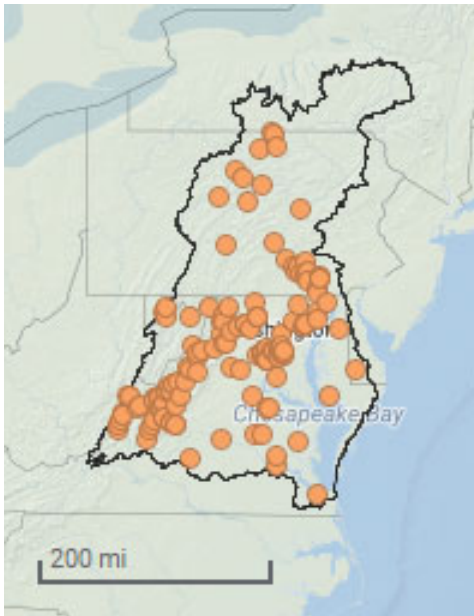
This **data release** collates stream water temperature observations across the Chesapeake Bay watershed

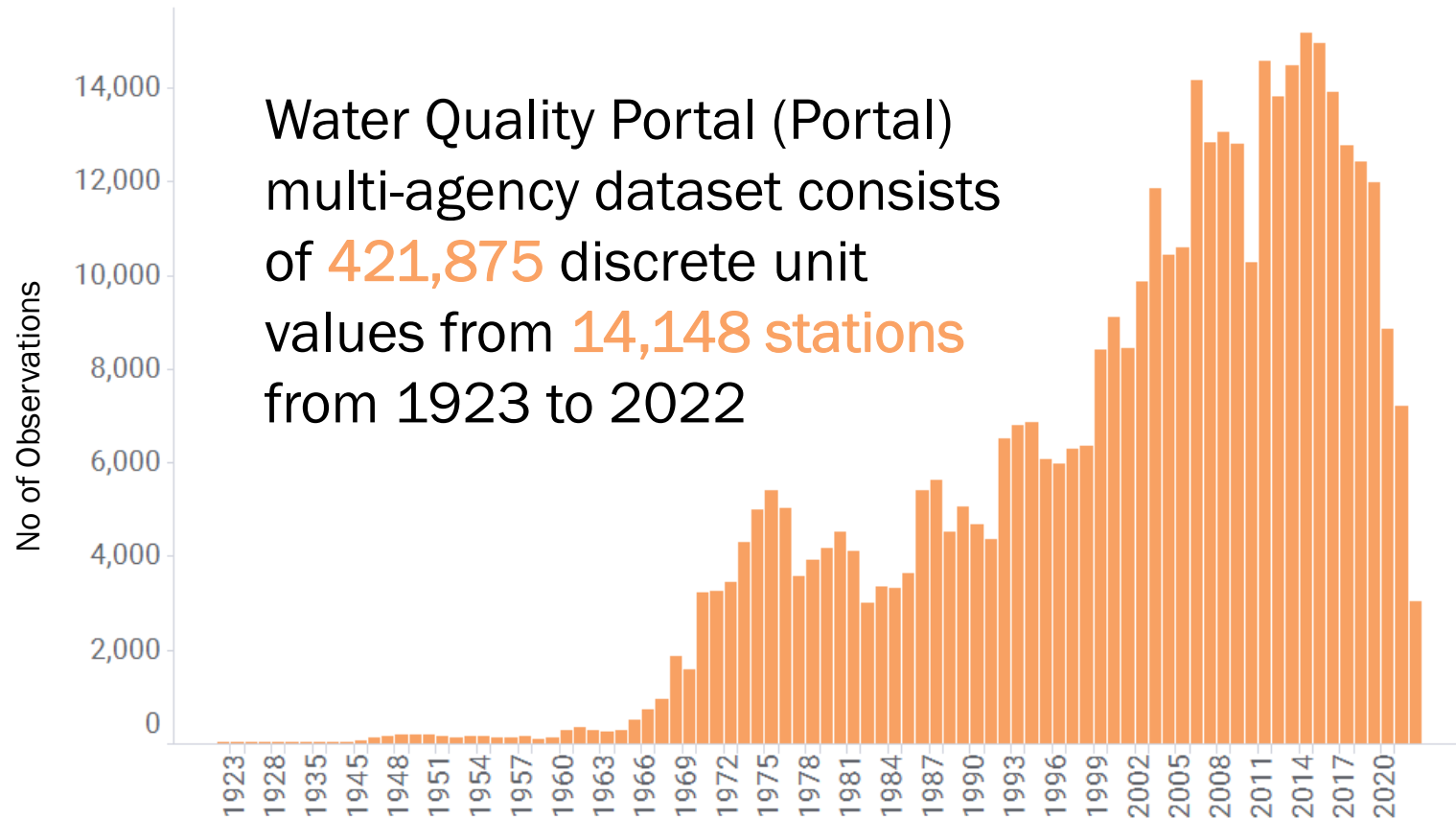


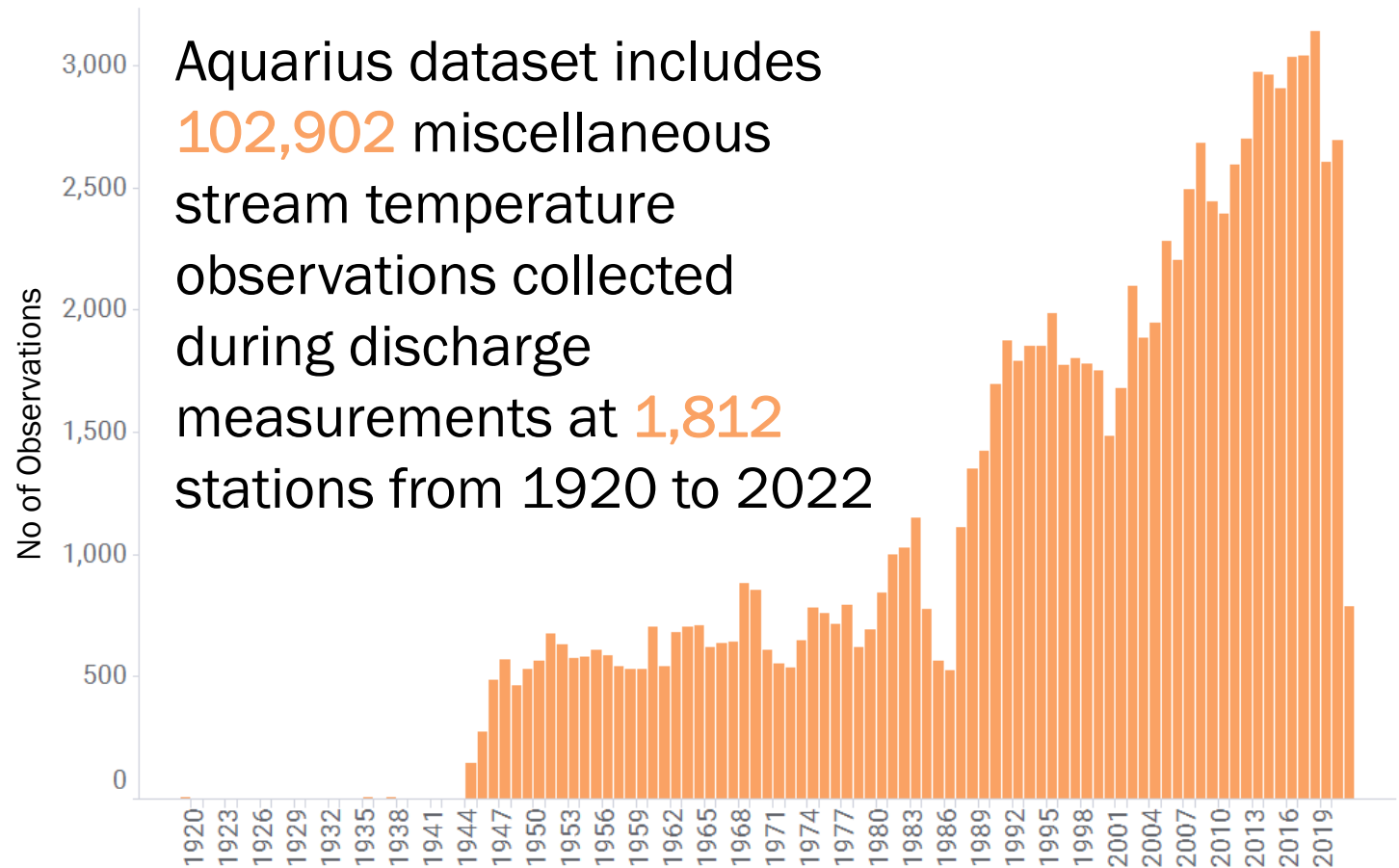
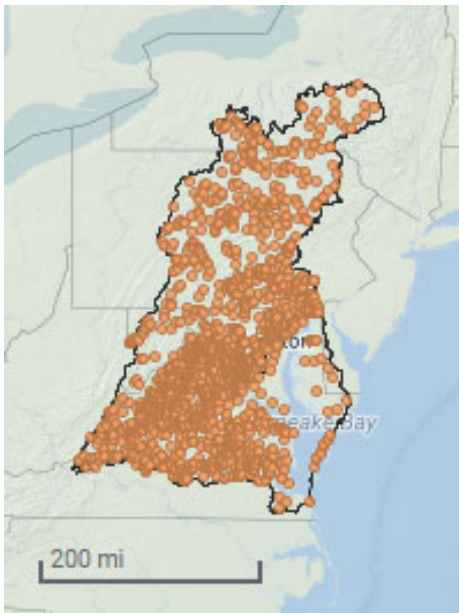




NWIS UV

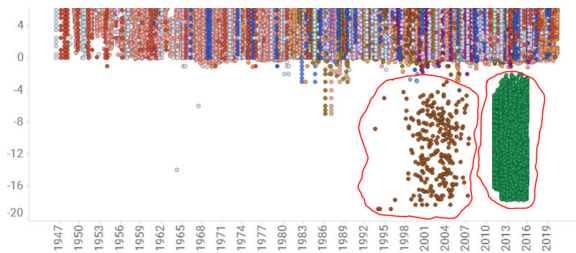




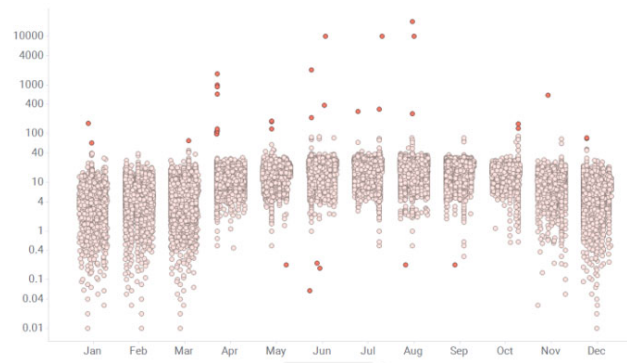


Quality control (QC) procedures helped improve the multi-agency datasets

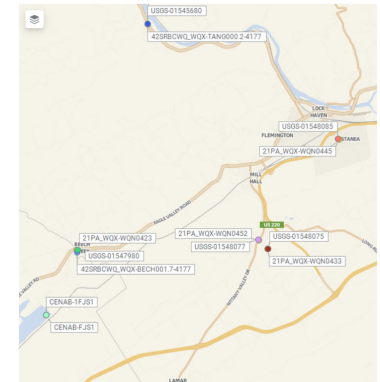
Wrong Units



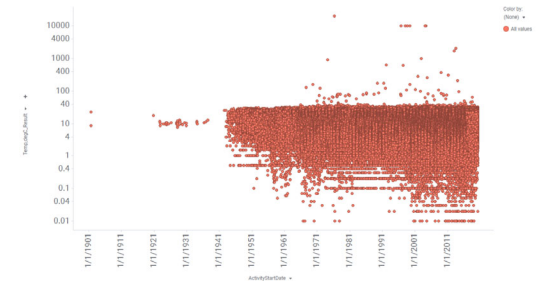
Outliers



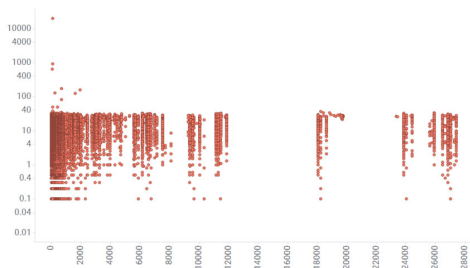
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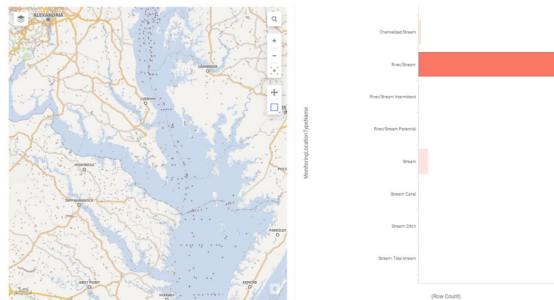
Detection Limits



Incomplete Metadata



Coding Issues



THANK YOU



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