



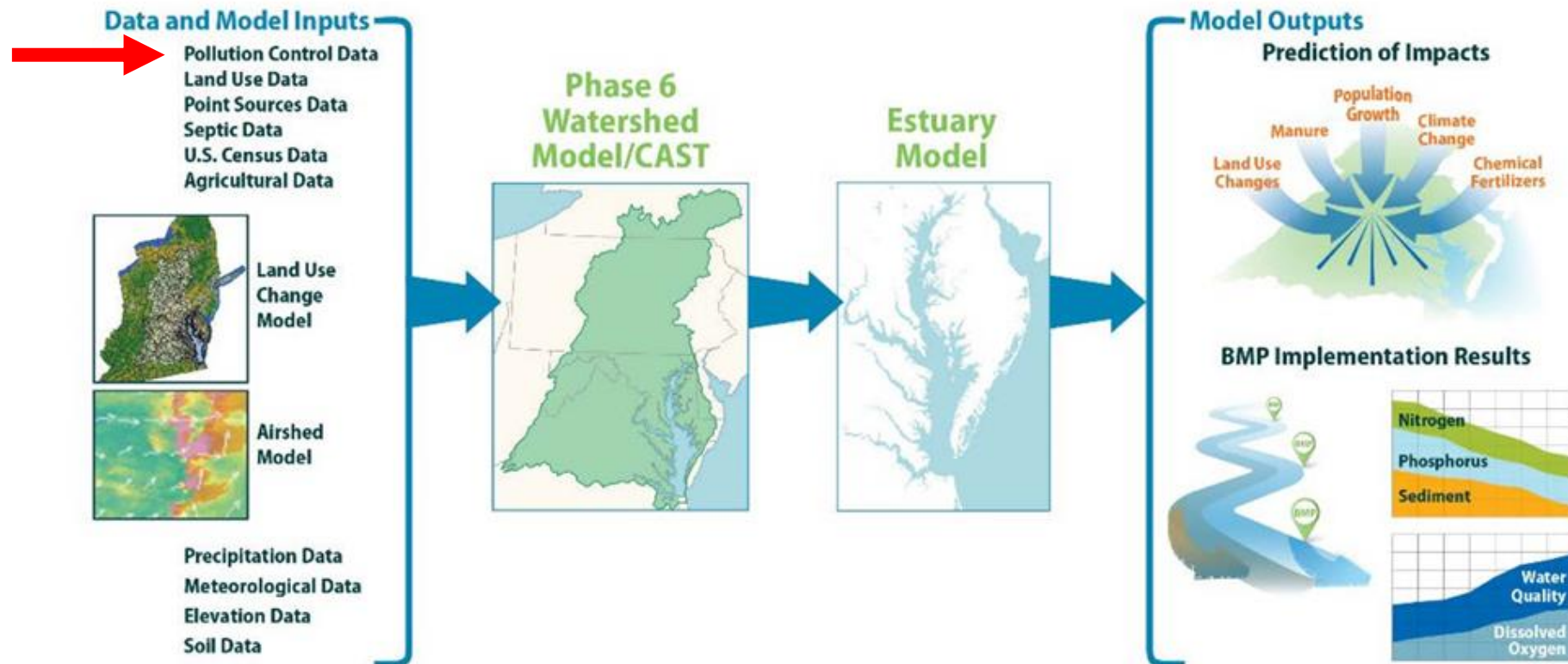
Photo by Steve Droter, Chesapeake Bay Program: <https://flic.kr/p/2eMDazG>

Updates to Modeled Sewer and Septic Areas for the Phase 7 Watershed Model

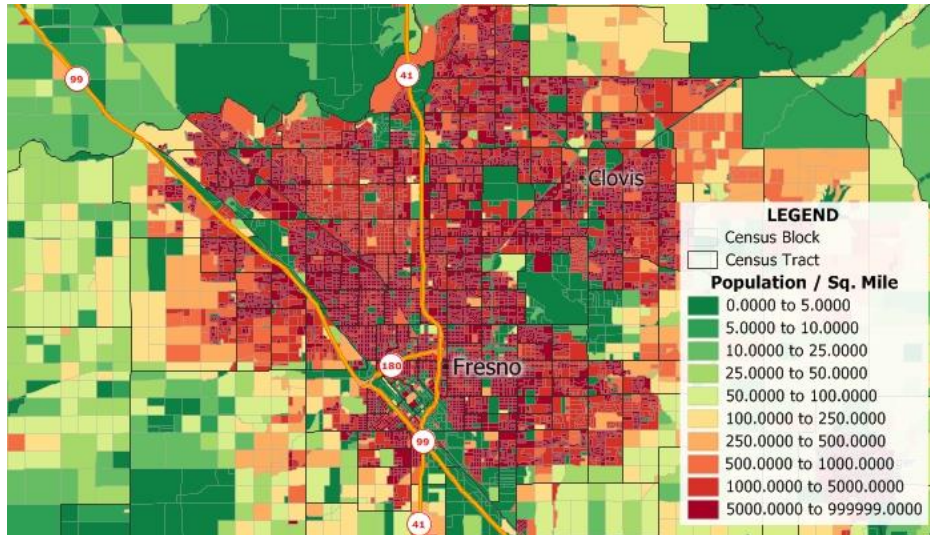
Wastewater Treatment Workgroup (WWTWG) Meeting: October 2024

Background/Context

The USGS models populations served by sewer and septic systems within the Chesapeake Bay Watershed from 1985 through future years (e.g., 2050) to inform the Chesapeake Bay Watershed Model and CAST.



Updates to the Sewer/Septic Model



Phase 6 Method: modeled septic systems as single detached housing units in *census blocks* that fall outside of sewer service areas.

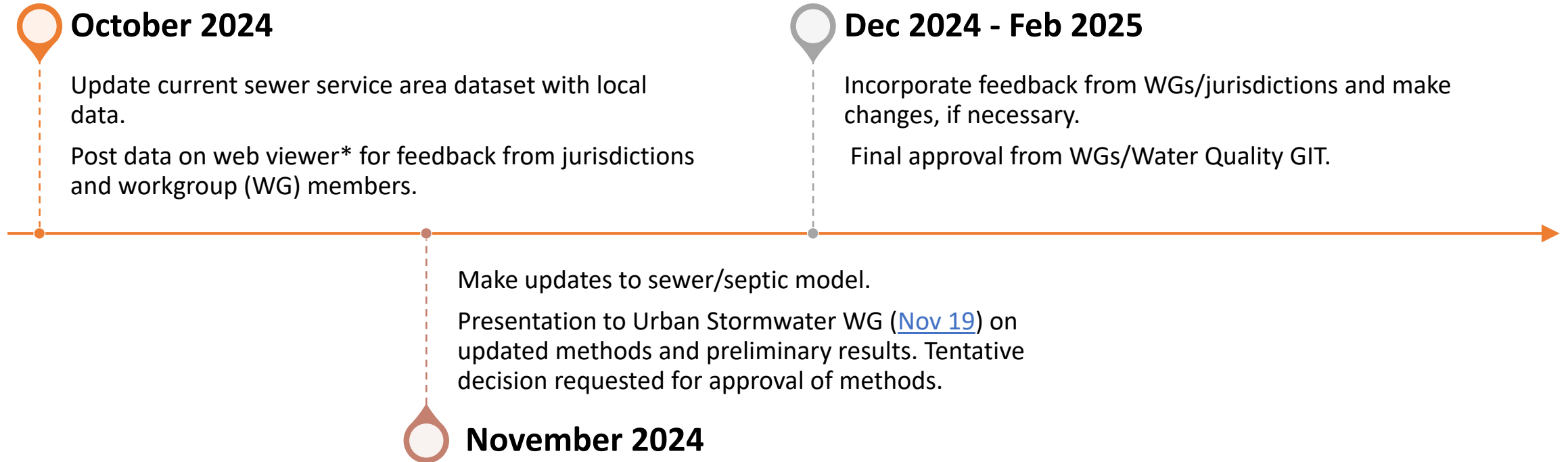


[Proposed] Phase 7 Method: model septic systems as developed residential *parcels* (> 0.5 acres) that fall outside of sewer service areas.

Phase 7 Method

- ✓ Incorporates updated sewer service data from localities
- ✓ Captures areas where multiple families are living in a single detached housing unit (e.g., Northern Virginia)
- ✓ Improves accuracy by using parcels instead of census blocks (census blocks can change throughout time)

Timeline



**The web viewer will show updated sewer service areas and MS4 areas. The data will be available for download, but if any edits need to be made, users will be asked to email Jackie (for sewer service areas) or Fred (for MS4 areas) directly.*

Next steps for WWTWG



Provide feedback on updated sewer service areas via web viewer

Once viewer is live, the WWTWG will be notified.

Timeline for feedback is TBD. Please send feedback via email (jpickford@chesapeakebay.net).



Join Urban Stormwater Workgroup (USWG) meeting, if interested

Presentation on changes to model and preliminary results.

Tuesday, November 19, 2024, from 10:00am - 12:00pm

Calendar page:

<https://www.chesapeakebay.net/what/event/urban-stormwater-workgroup-meeting-november-2024>