

WQGIT Office Hours: Sanitary Sewer Overflows

9/15/25

Joseph Delesantro, ORISE Fellow, EPA CBPO

jdelesantro@chesapeakebay.net

Sanitary Sewer Overflows

- Identified data sources
- Estimated the contribution of SSOs to N loading

The Work Group decided not to pursue incorporating SSOs due to limited data and their small contributions to load.

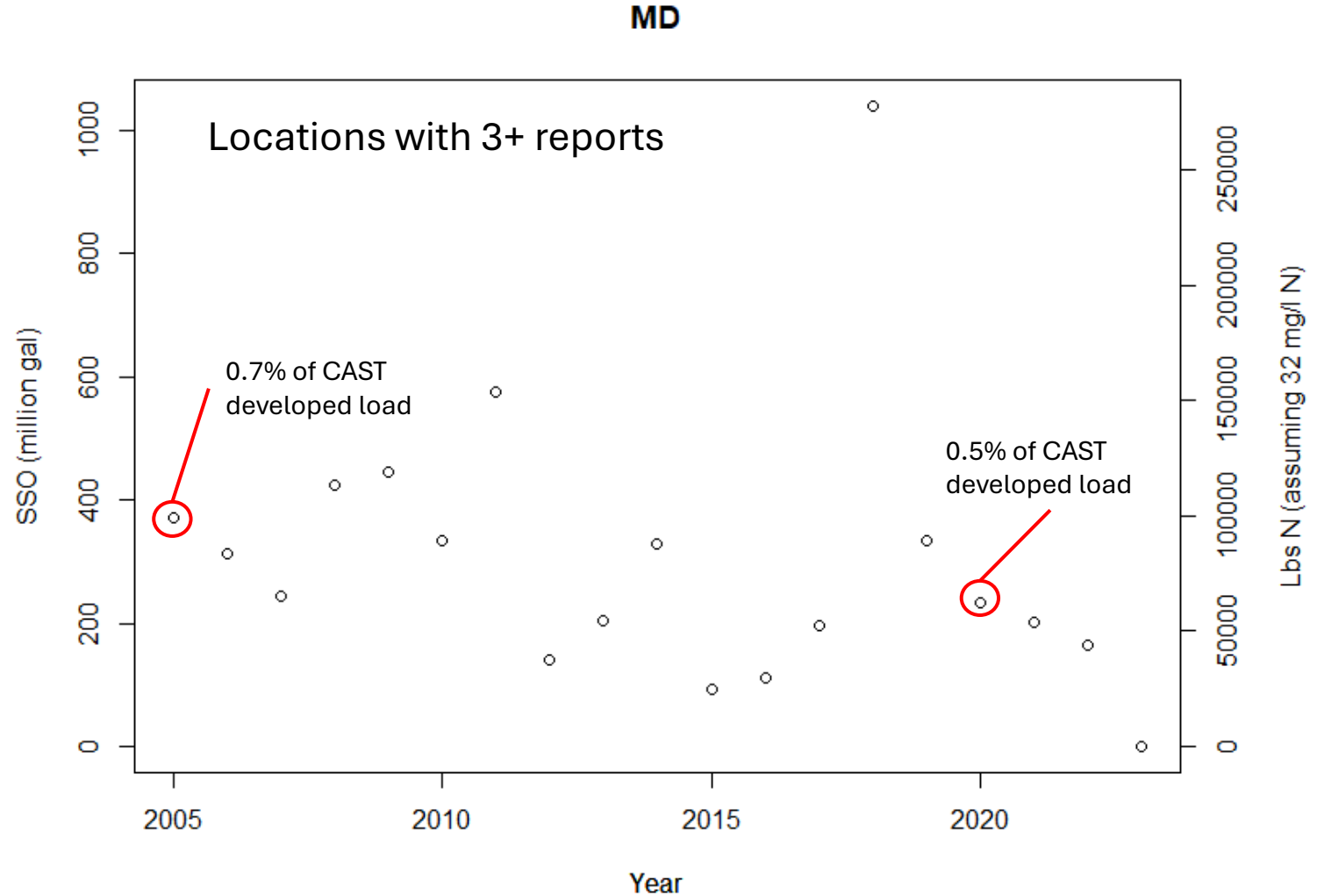
Maryland data (partial)

Most reported SSO locations have repeated reports

- 88% of locations have 2+ reports
- 83% of locations have 3+ reports

Report causes are described, not classified, but 82% of 3+ report locations include the words “precipitation” or “rainfall” in descriptions.

Does not account for recovered volumes



HRSD, VA data

Formatting inconsistencies do not allow for repeated locations to be easily identified.

SSO cause is well classified.

- 51% are classed “Infrastructure”
- 37% are classed “Capacity-Weather Related”

15% of reports do not have estimated volumes largely due to road flooding. This likely leads to an underestimation.

Does not account for recovered volumes

