



Urban Stormwater BMP History

Jeff Sweeney
Environmental Protection Agency
Chesapeake Bay Program Office
jsweeney@chesapeakebay.net
410-267-9844

Urban Stormwater Workgroup Meeting
CBPO
January 19, 2016



Urban Stormwater BMP History

- BMP historic record should cover 1985 – 2013
 - Emphasis was on 2000 – 2013
 - But data for BMPs implemented 1985 – 1999 are needed as well
 - Need for comprehensive record versus verification



Urban Stormwater BMP History

Resources to complete historical data clean-up by the proposed schedule:

- Request for historic BMP data goes back almost 4 years
- Guidance documents
 - "Historic BMP and Wastewater Data Cleanup"
http://www.chesapeakebay.net/channel_files/22163/ii.a._historic_bmp_and_wastewater_data_cleanup_01212015.pdf
- Technical assistance – methods and submissions
- Money resources = CBIG and CBRAP Grants + WIP Assistance Funds
- Requests through PSC
- Regular reporting out of status by jurisdictions



Urban Stormwater BMP History

- Like Progress data, reporting of complete, quality-assured BMP historic data (wastewater and non-wastewater BMPs) are grant deliverables
- Jurisdictions were expected to update this data through initial draft updates by June 30 and final updates by September 30.
- Documentation describing collection and estimation methods of historic BMP, wastewater and bio-solids data = QAPPs



Urban Stormwater BMP History

- Quality of the data submitted for initial Phase 6 calibration was highly variable among jurisdictions and sources within jurisdictions



Urban Stormwater BMP History

On your password-protected sites for review of submitted BMP record:

- Validation reports
 - NEIEN
 - NEIEN event status errors + NEIEN BMP errors
 - Scenario Builder errors
 - Land BMPs + animal BMPs
 - Detailed and summary
- Scenario Builder Submitted Versus Credited



Urban Stormwater BMP History

On your password-protected sites for review of submitted BMP record:

- Status reports
 - The status of the BMP is draft, retired or NA
- Date reports
 - BMP is valid as implementation, inspection or maintenance falls within lifespan date range
 - BMP credit expired due to lifespan

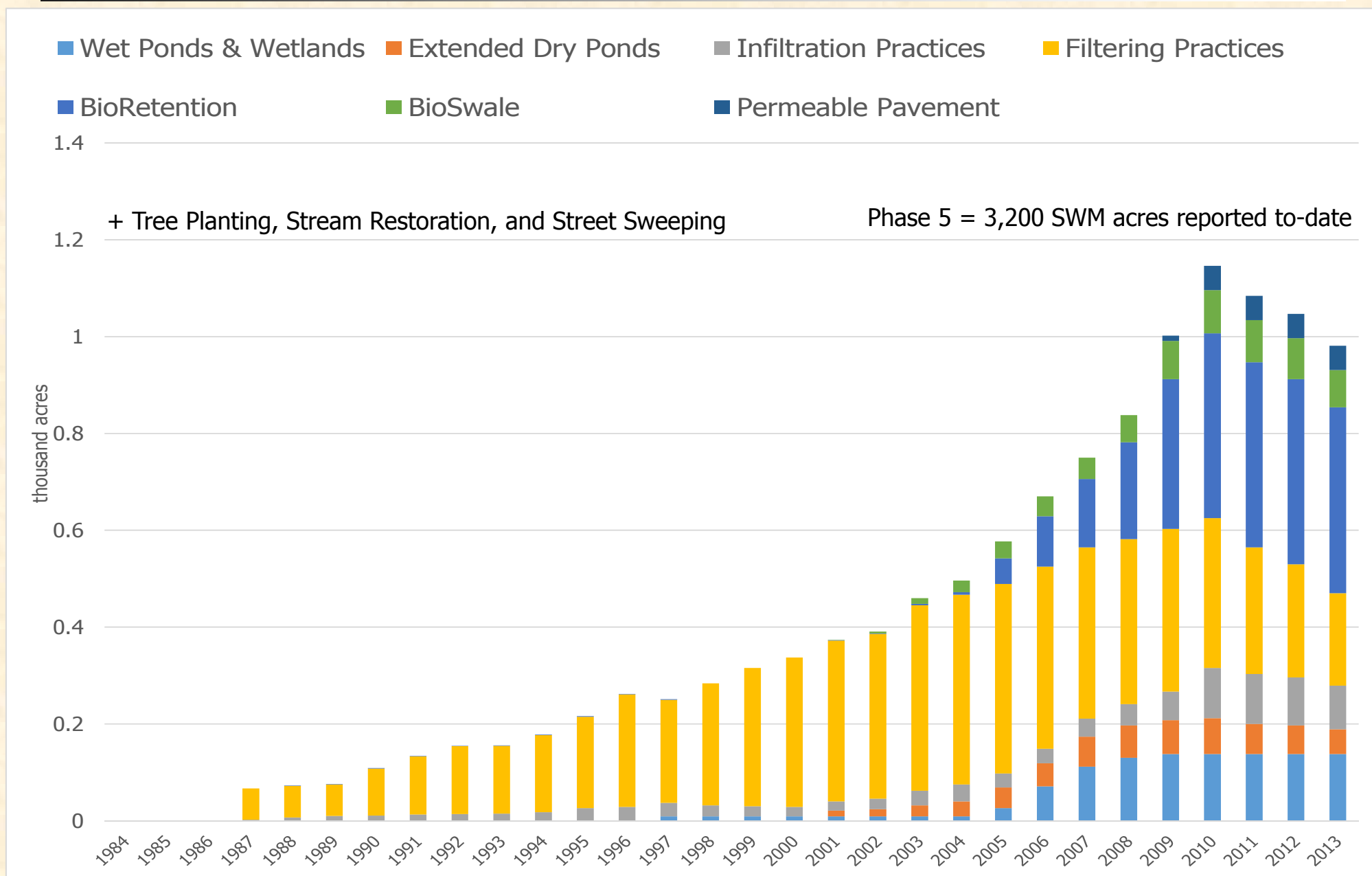


Urban Stormwater BMP History

- 300+ unique practice names available for reporting through NEIEN
 - About 50 unique BMP names available for conservation plans alone
- These lump into 200+ more-inclusive BMP categories in Scenario Builder across the agricultural, urban, septic, and natural sectors
- Wastewater controls across significant + non-significant facilities, municipal + industrial.

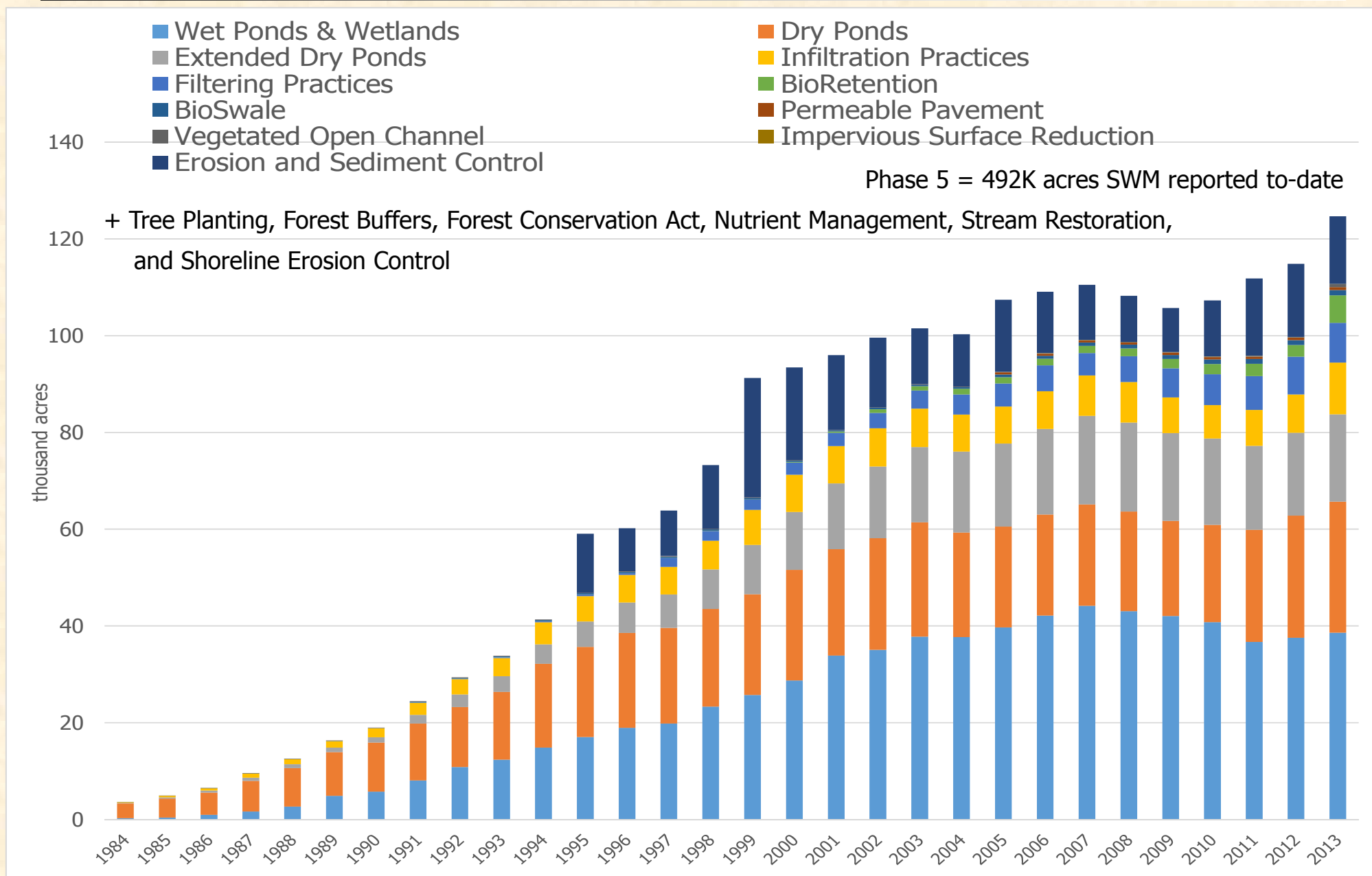


Reported Historic Stormwater Management District of Columbia



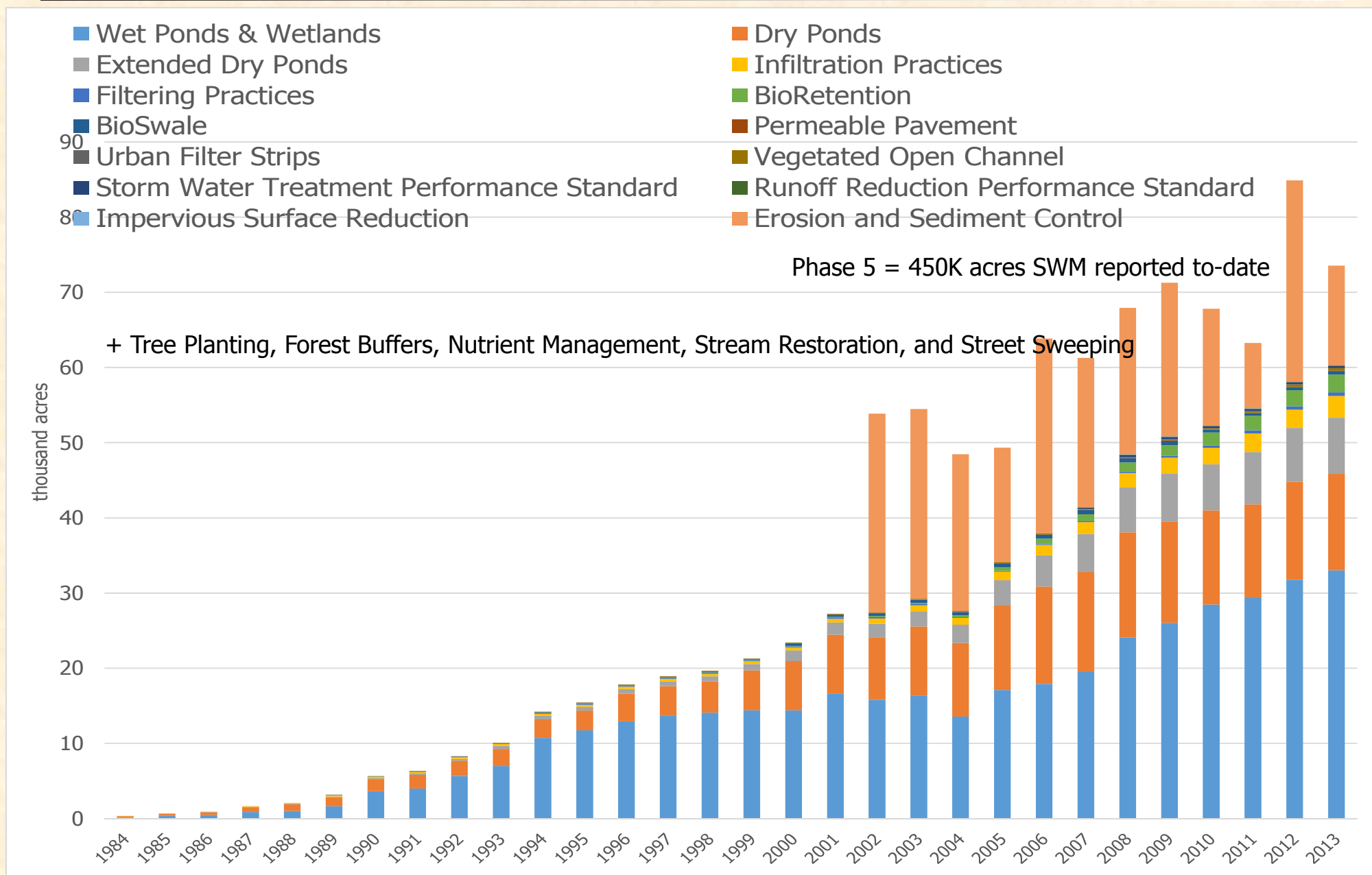


Reported Historic Stormwater Management Maryland



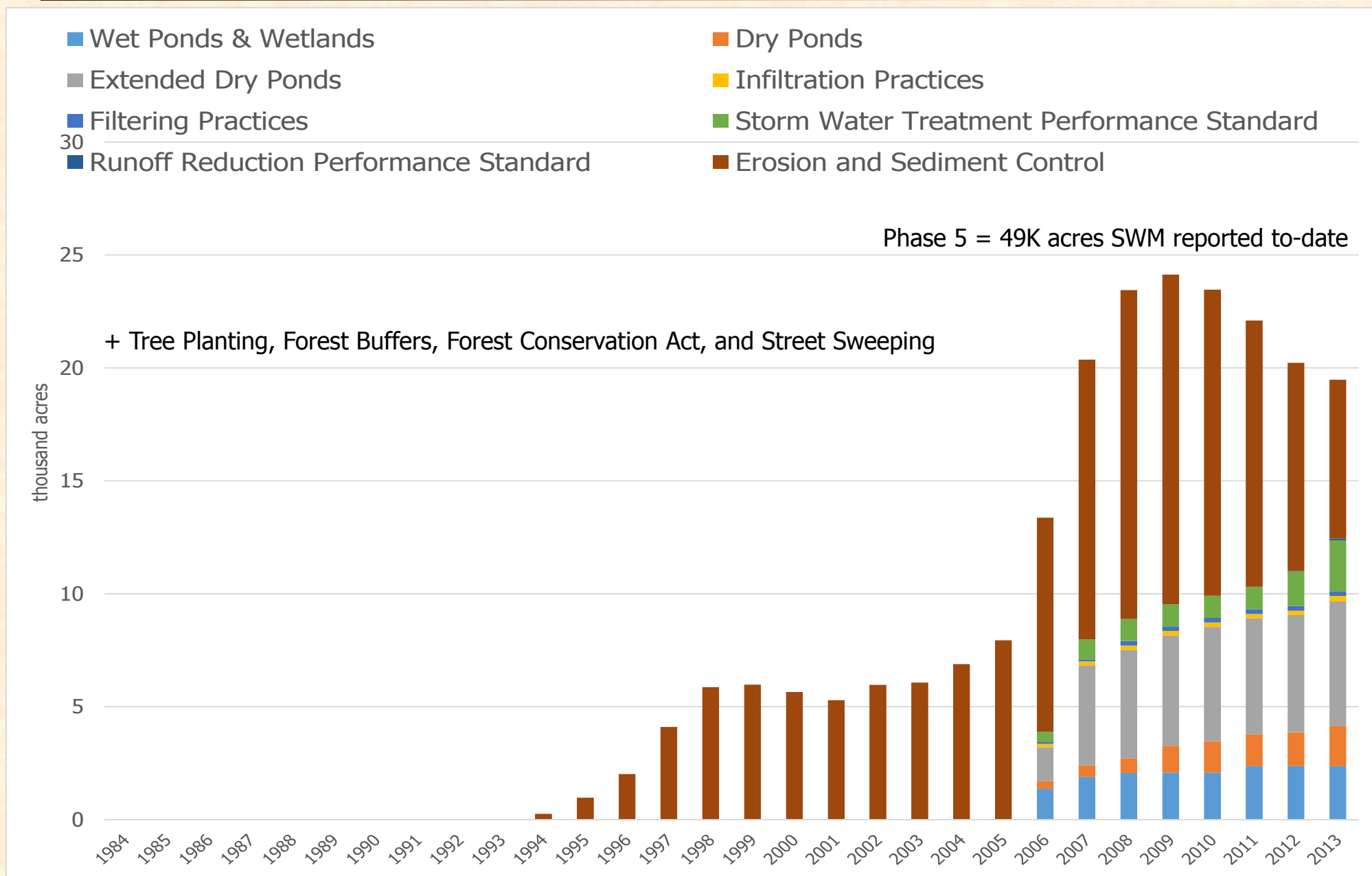


Reported Historic Stormwater Management Virginia



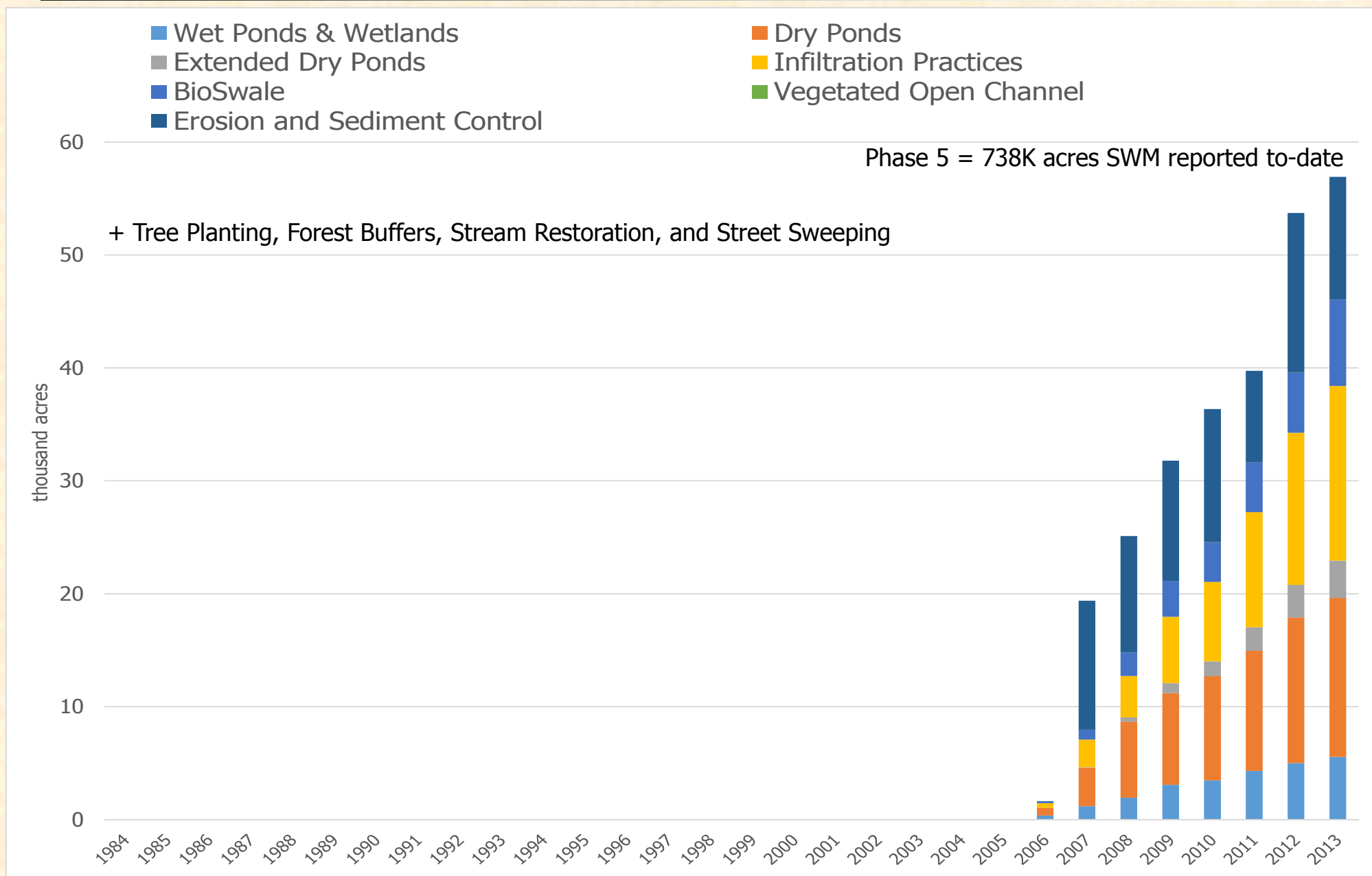


Reported Historic Stormwater Management West Virginia



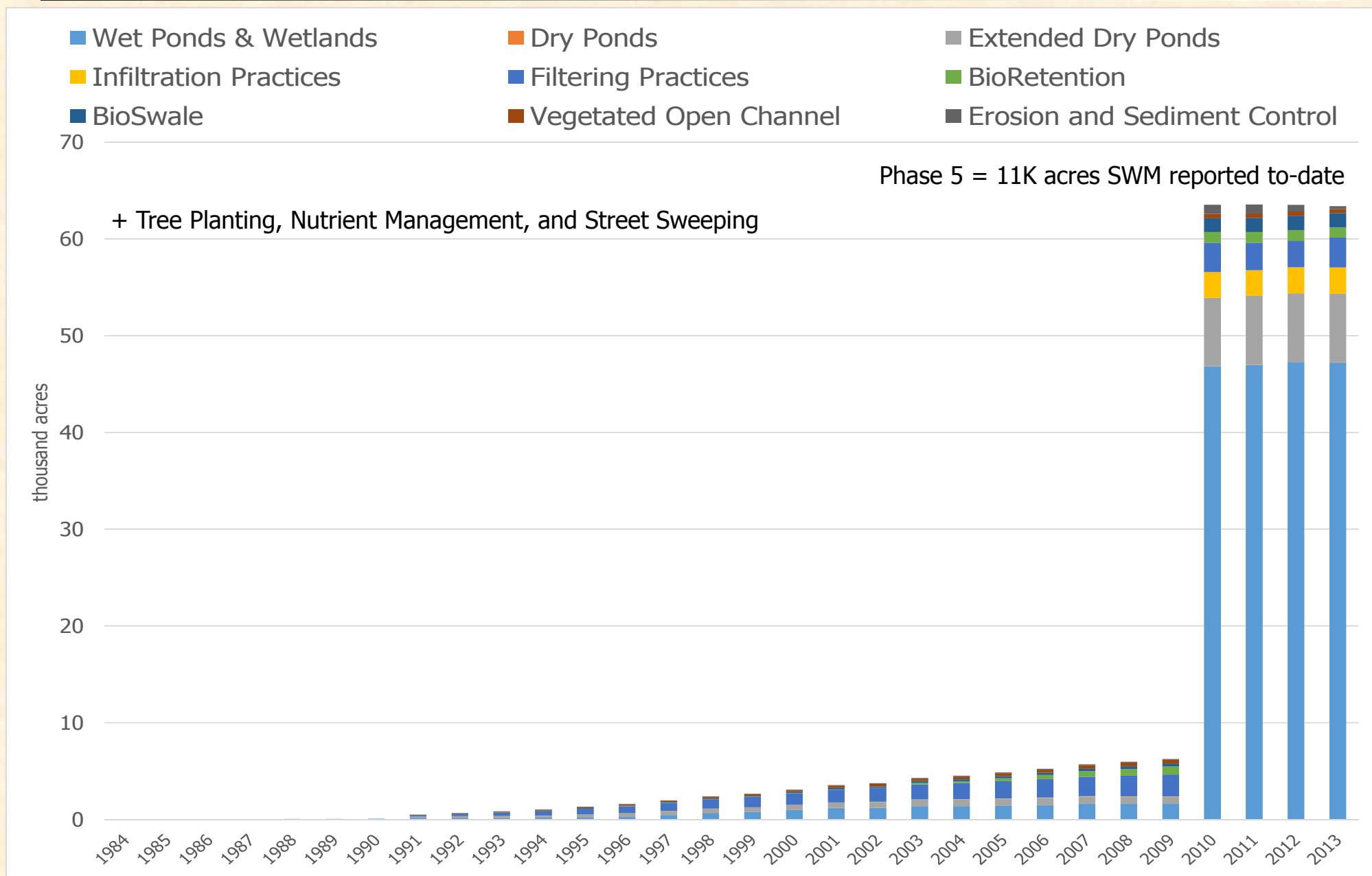


Reported Historic Stormwater Management Pennsylvania





Reported Historic Stormwater Management Delaware





Urban Stormwater BMP History

- Phase 6 model review period began early January, 2016
 - Outputs = loads, calibration statistics, etc.
 - Inputs = BMPs, landuse acres, fertilizer application rates, etc.
- Next opportunity for Phase 6 data is (likely, but not guaranteed) April re-calibration \Rightarrow end of March, 2016 submission
- Following opportunity for BMP data could be (but not guaranteed) July re-calibration \Rightarrow mid- to end of June, 2016 submission
- Final data to be submitted Sept. 30, 2016 which includes finalization of methods



Urban Stormwater BMP History

- Questions on schedule or process?
 - What information would be useful to you to assist in review?