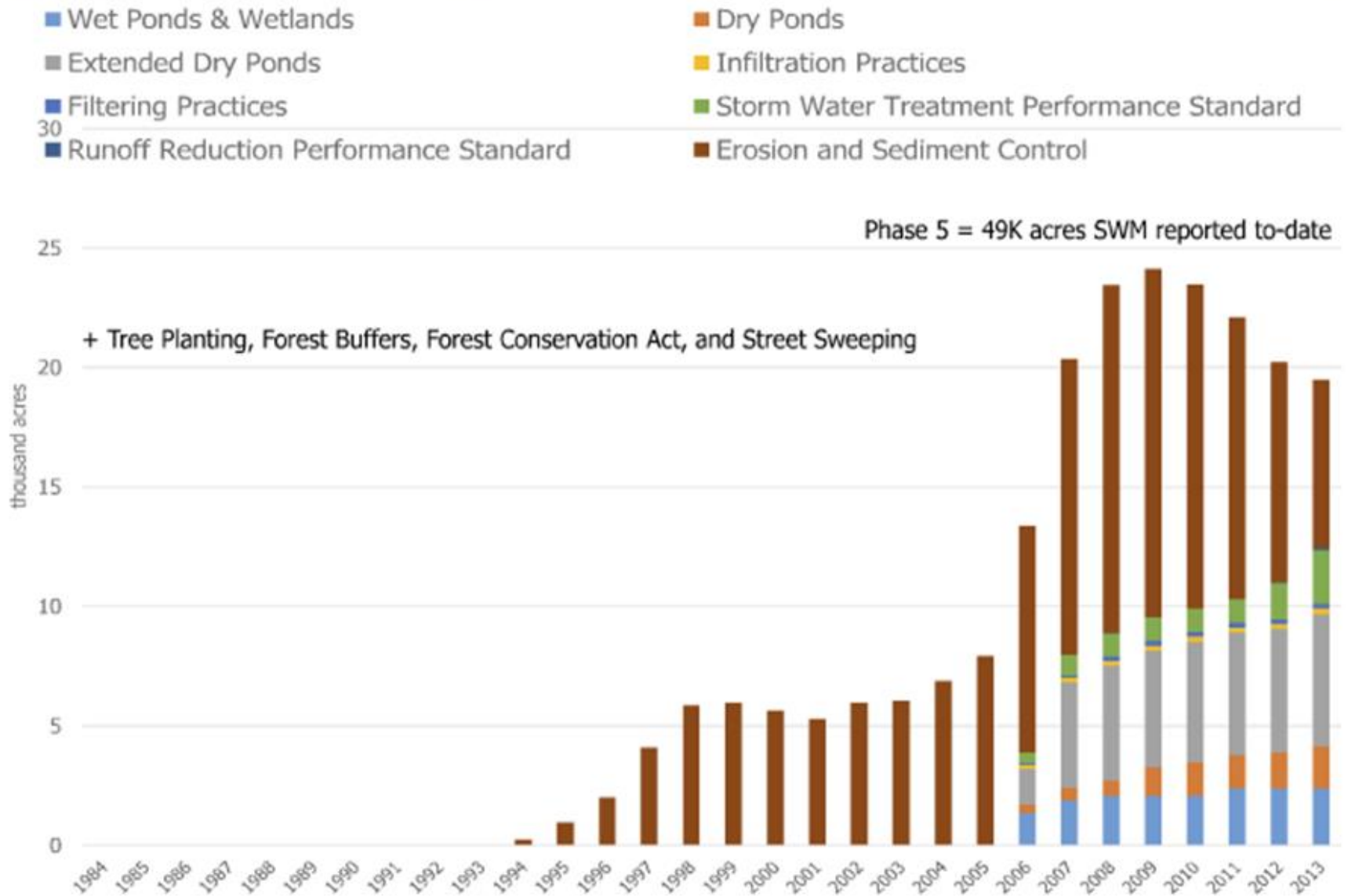




# Reported Historic Stormwater Management West Virginia



# WV SWM Acre Comparison

## Phase 5

- 49,000 SWM acres (2013)
- Includes ESCs on open permits issued prior to mortgage crisis, which has been cleaned up starting in 2010.

## Phase 6

- ~19,000 SWM acres
- 39% of Phase 5 Acreage
- Corresponds well to ~40% implementation rate discovered during data cleanup
- Previous reporting based on permit data
- Current reporting (and cleaned up historical data) based on verified implemented SWM practices

# THE GOOD

- Discovered additional BMPs during historic data clean up and land use change assessment
  - Used verification dates (2014/15) as implementation dates (i.e. not reflected by 2013)
- Recently managed to transmit data from our new in-house developed database through NEIEN (i.e. most discovered performance standard BMPs were not in NEIEN prior to February 2016).
- ESC BMP reductions accompanied by reduction in construction acres/loading

# Potential Issues

BMP acres alone do not tell the whole story

Base conditions of Phase 5 vs Phase 6

- Changes in land use names
  - Base acres may also decrease, not just BMP acres
- Loading rates for turf/tree canopy over turf
- Anticipate much of tree canopy over turf to convert to forest and open space