

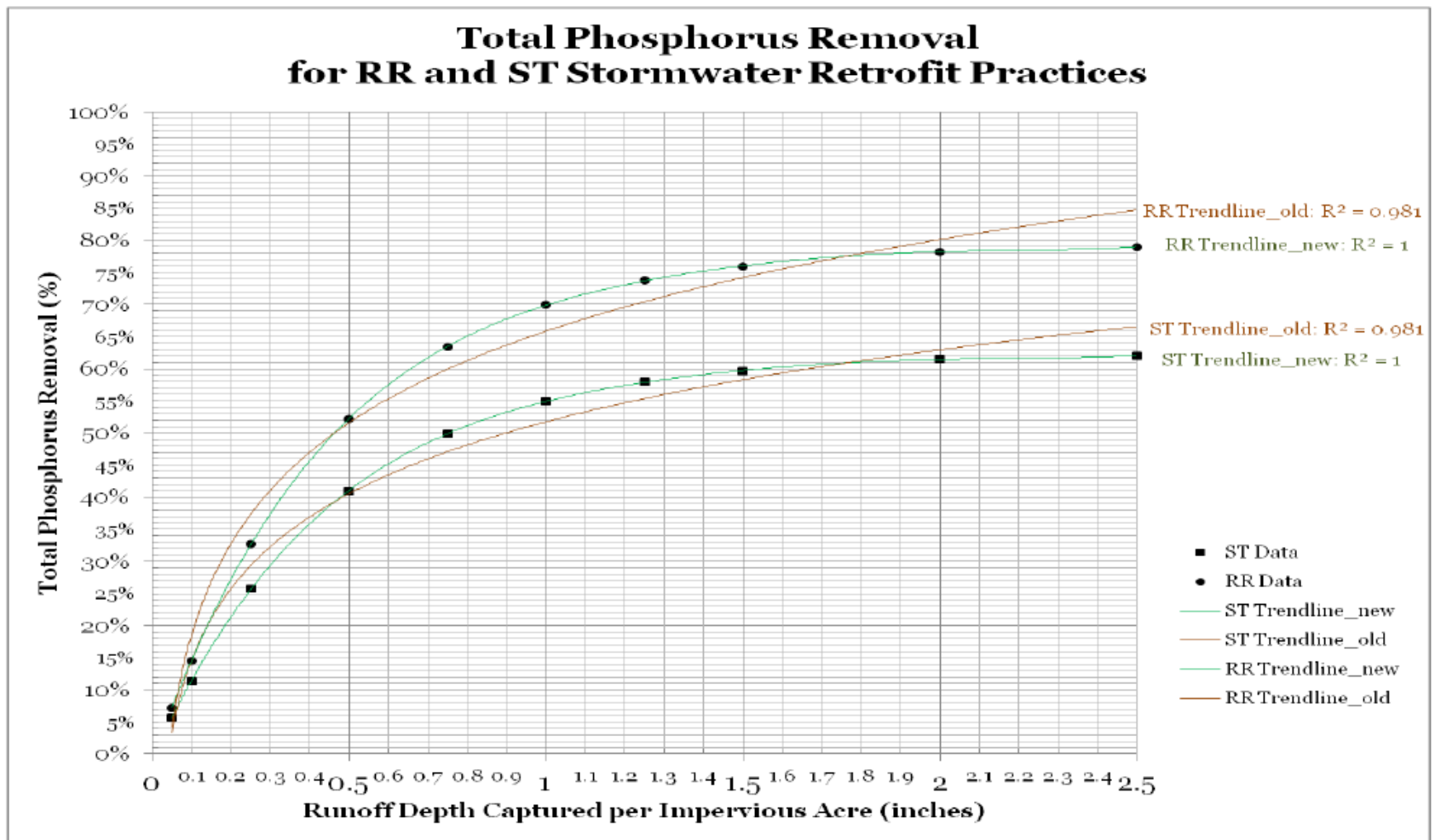
# Stormwater Performance Standards Update to Curves and Scenario Builder Decisions

WTWG Meeting, 05062013

Matt Johnston

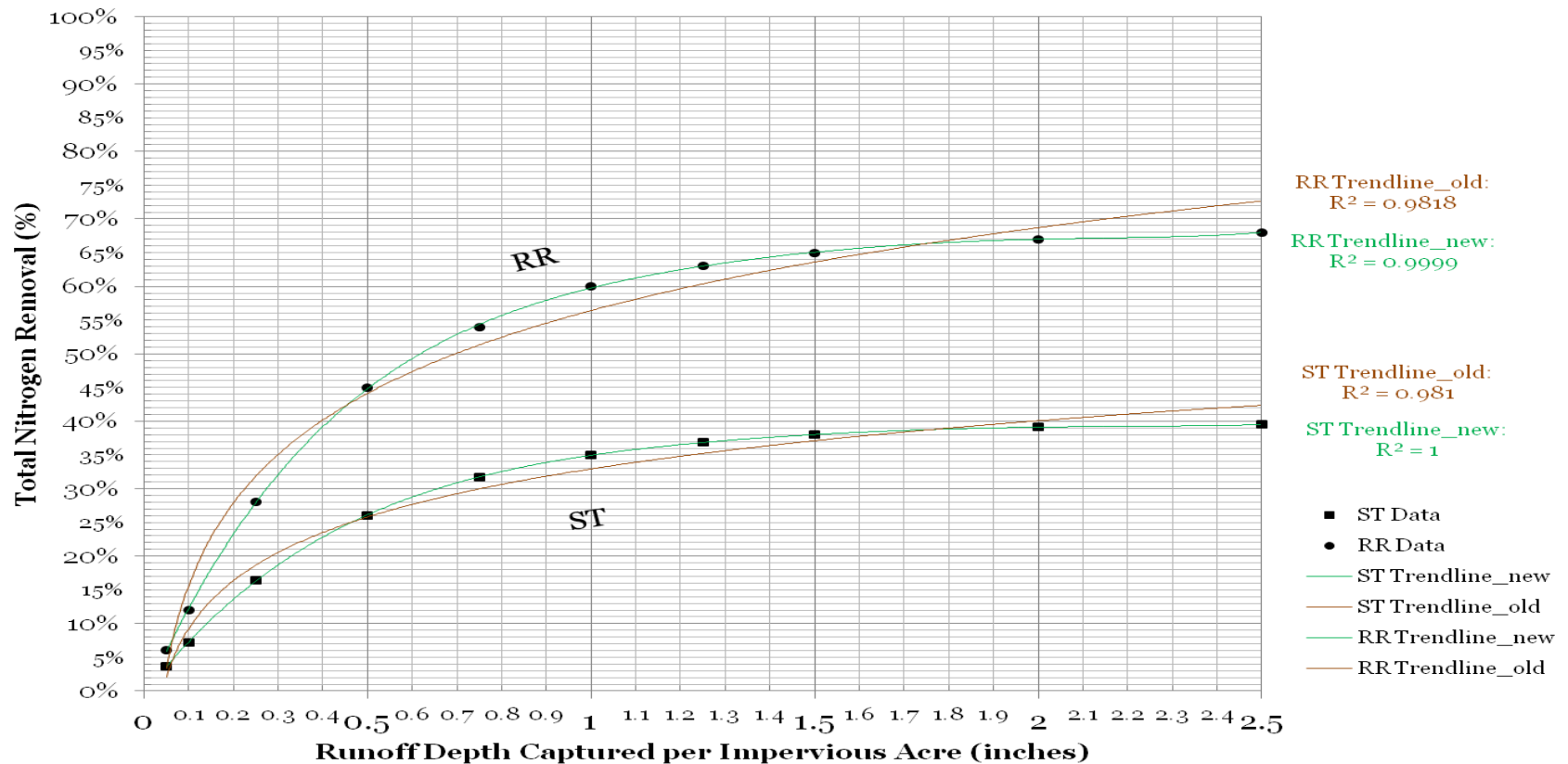
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# From log to poly...



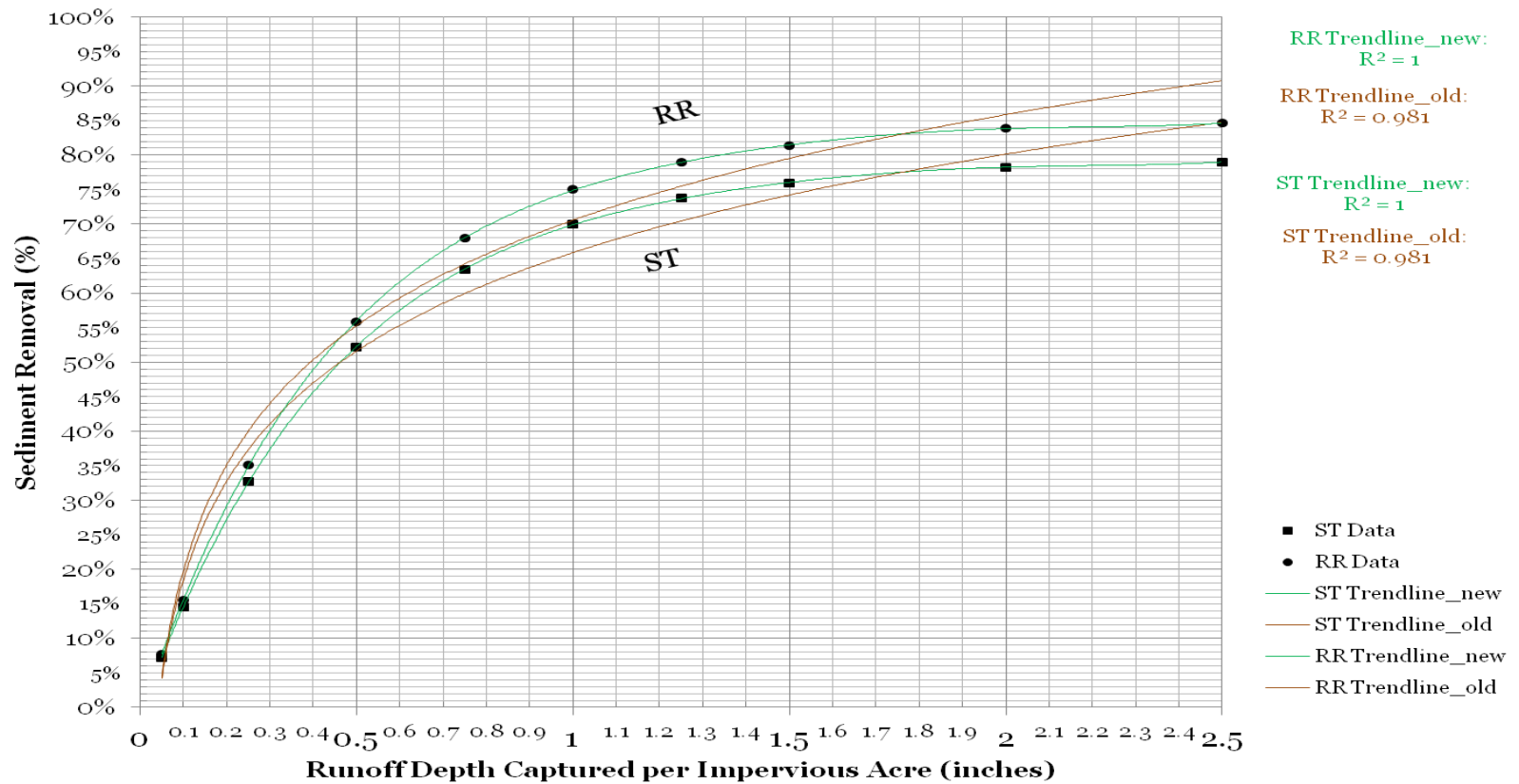
# Cont'd

## Total Nitrogen Removal for RR and ST Stormwater Retrofit Practices



# Cont'd

## Sediment Removal for RR and ST Stormwater Retrofit Practices



# Issue 1: Historic BMP Data for Retrofits

- Converted, enhanced and restored retrofits may or may not occur on BMPs already submitted as part of the cumulative history.
- Historical data does not provide enough detail to tie retrofits directly to an existing practice.
- We must avoid double-counting retrofit practices on top of historically implemented practices.

# Recommendations for Issue 1

- If a jurisdiction submits 10 acres treated by a “retrofit enhancement” or “retrofit restoration” under the predominate practice, wetponds, Scenario Builder will remove 10 acres treated by a wetpond from history.
- If a jurisdiction submits 10 acres treated by a “retrofit conversion,” the jurisdiction will need to identify the original predominant practice so Scenario Builder can remove these acres from history.
- If acres treated do not exist, then the new retrofit will not receive credit.

## Issue 2: Practice Lifespan

- The expert panel report states that the typical duration for the new stormwater and retrofit BMPs will be “twice the prescribed MS4 inspection cycle, which ranges from 6 to 10 years. The removal rate can be extended if a field inspection verifies the BMPs are still performing.”
- What should be the default practice lifespan?

# Recommendation for Issue 2

- Scenario Builder will set the default practice lifespan at 10 years for all new stormwater performance standards and retrofit BMPs.
- Jurisdictions may still submit inspection/verification dates to extend the lifespan an additional default number of years (10 if chosen) from this new date.



# Issue 3: Removing Historic BMP Records

- With a new practice duration requirement, Scenario Builder will begin removing new BMPs at some later date (10 years from their implementation if chosen).
- Historic BMPs still remain in the system and we have no way of removing them.

# Recommendation for Issue 3

- Jurisdictions will have the opportunity to update ALL historic stormwater data over the next on or two permit cycles. Jurisdictions should re-submit all pre-2000 data with inspection/verification dates by 2018.
- Scenario Builder will begin removing pre-2000 stormwater practices from the historical record that do not have inspection/verification dates.