

Borough of Ephrata

LANCASTER COUNTY, PENNSYLVANIA



Ephrata Borough Storm Water Management Plan

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What's the Goal of our Storm Water Management Plan?

- To reduce the discharge of pollutants
- Balanced and coordinated program
 - Focus on problem areas and results
 - Stop performing tasks simply “perceived” as compliance
 - Common Sense Approach



A Brief History of Ephrata's MS4

- Pre-Ephrata Borough: Storm Water naturally discharges into Cocalico Creek
- “Modern Era”: Storm Water Collection System
- 1970’s: Clean Water Act
 - Separate Municipal Storm Sewer System (MS4)
- 2000’s: Storm Water Permit
 - Storm Water Illicit Discharge Inspections
 - Storm Water Ordinance
 - Storm Water Public Education
- 2017: Storm Water Management Plan (SWMP)



Regulatory Agencies

EPA – Makes the Regulations

PA DEP – Enforcement Agency

Regulatory Requirements

- Develop a SWMP
- New 2018 permit
- NOI (Notice of Intent) due in May 2017
- Permit Focus
 - **Waters of the US**
 - Reduce loads entering waters
 - Every point of discharge

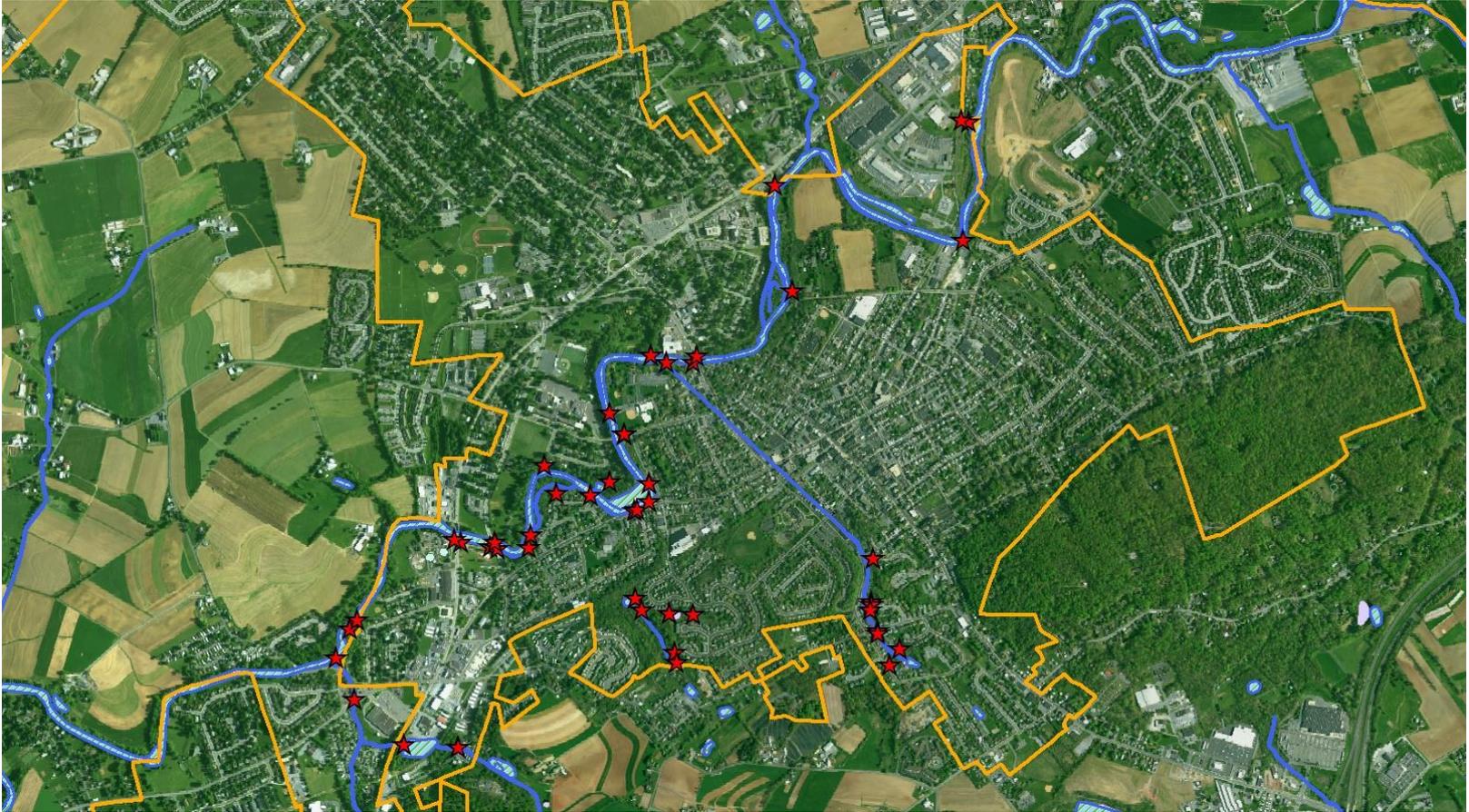
Ephrata Waters of the US

Waterbodies of the USA from the National Hydrography Dataset (NHD) and Watershed Boundary Dataset (WBD)



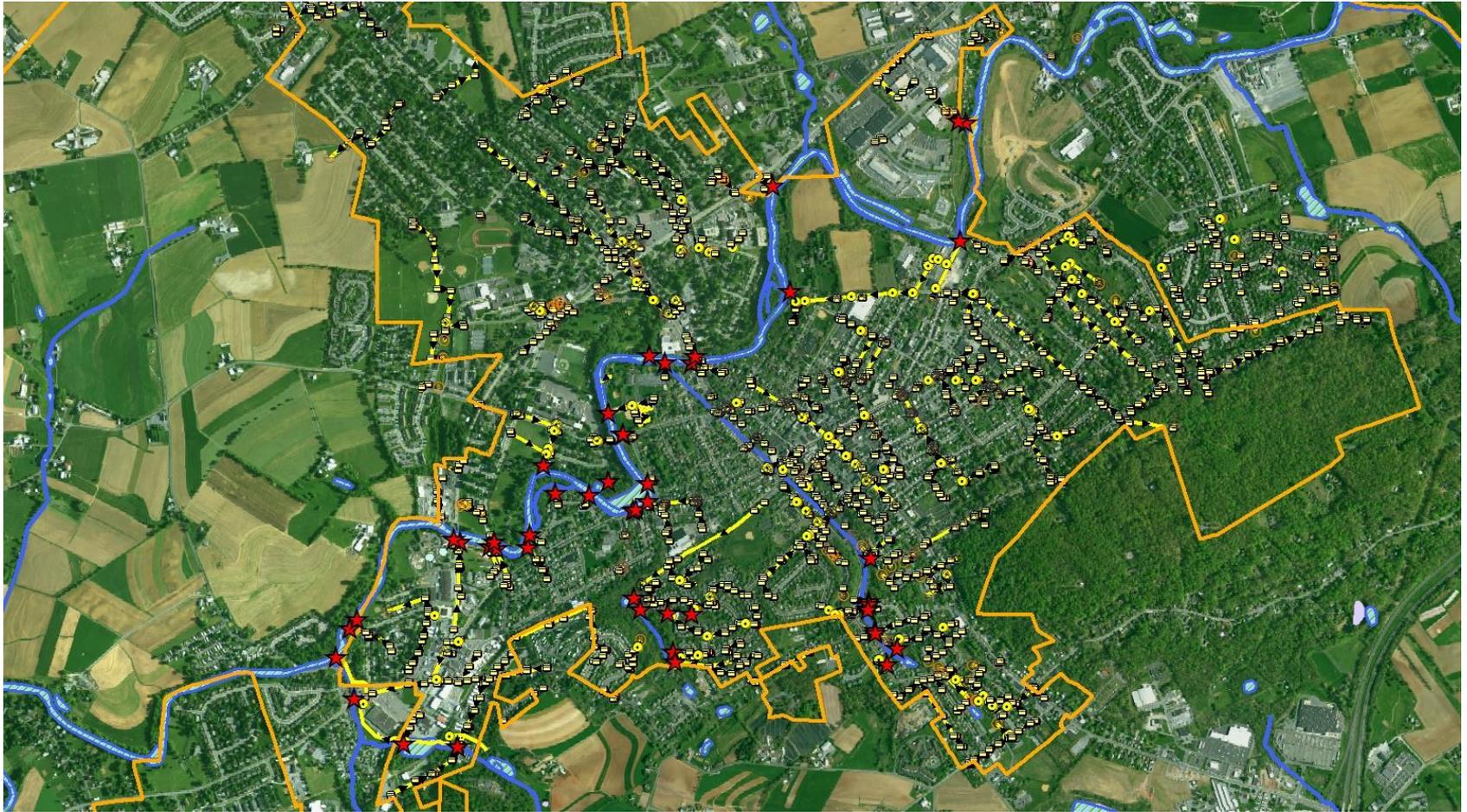
Ephrata Boroughs Discharge Points

86 Outfall points that Discharge into the Waters of the US



Ephrata Boroughs Storm Sewer System

Storm Drains, Inlets, Pipes, Headwalls, Drainage Fields, BMPs



Ephrata Borough Remembers



Ephrata Boroughs SWMP Focal Points

- **Accurate Mapping and Priority Classification**
- **High Priority Area Outfall Field Screening**
- **Dry and Wet Weather Flow Encountering**
- **Collection and Analysis of Sampling Data**
- **Monitor, Inspect and Maintain BMPs**
- **Illicit Discharge Detection and Elimination Program**
- **Contractor and Employee Training**
- **Public Education and Outreach Program**

Take Aways

- **This is not your Grandfather's Storm Water Management Plan**
- **Required to meet both DEP and EPA regulations**
 - **Common Sense**
 - **Balanced and Coordinated**
- **Yes. It's an unfunded mandate.**
 - **But that doesn't change anything**
- **Will Increase General Fund Expenditures**
- **Anticipate one additional Staff Person in 2017**
- **Extensive Testing to Meet New Requirements with 2018 Permit**