

# Illicit Discharge Detection and Elimination Program

**Prepared for:**

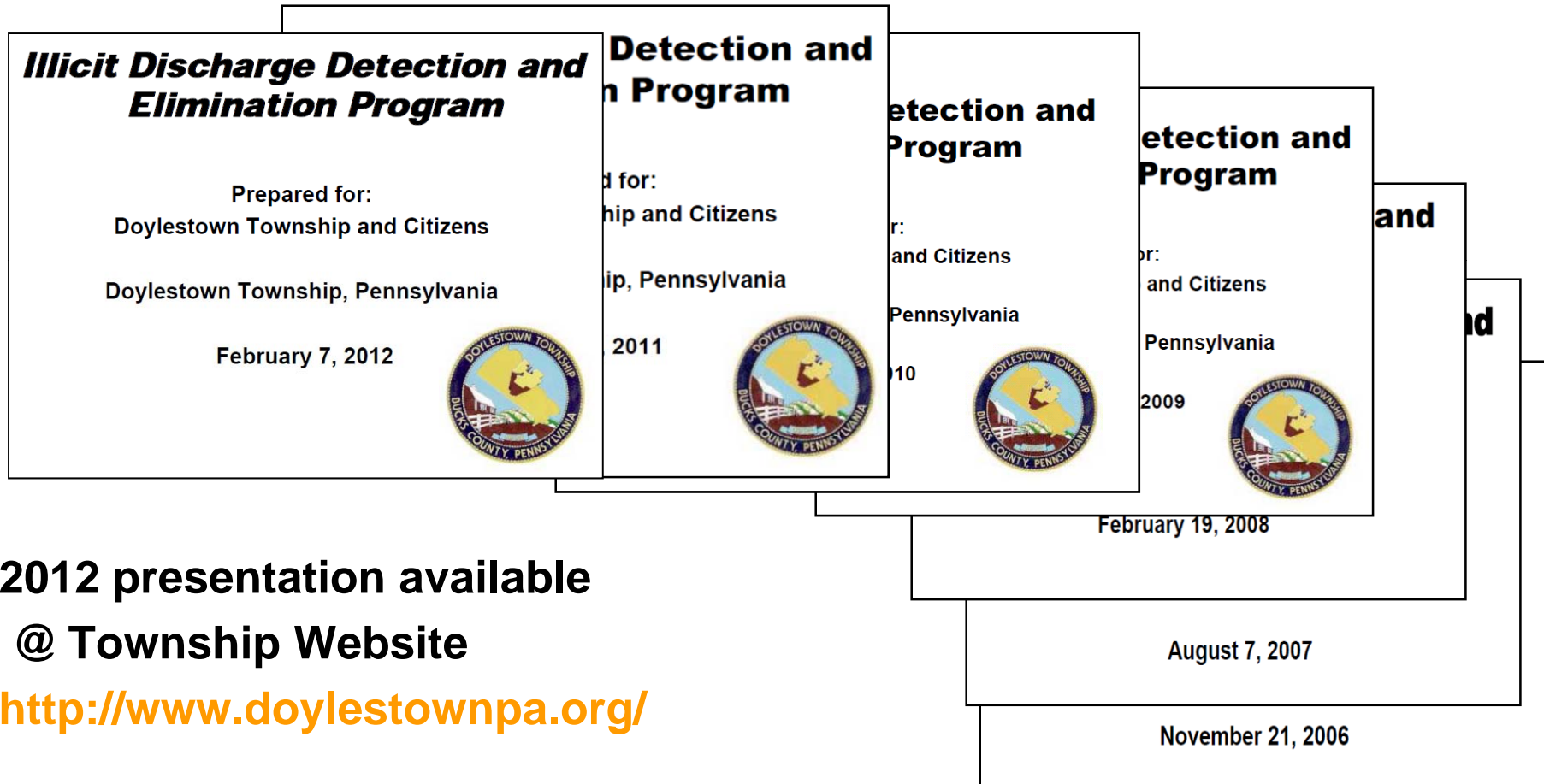
**Doylestown Township and Citizens**

**Doylestown Township, Pennsylvania**

**February 19, 2013**



# Previous Presentations



2012 presentation available  
@ Township Website  
<http://www.doylestownpa.org/>

- Richard Burns, P.G.
- Russell Mehalick



# Agenda

- **Current Status IDD&E**
- **Inspections, Sampling & Results**
- **Going Forward**
- **Takeaways**
- **Q&A**



# Current Status IDD&E

- Year 9 of the Program
- PADEP (Jan 2013)
  - “[PADEP is] very pleased at how Doylestown Township has been so proactive in their approach to the MS4 program”
- Application submitted to extend NPDES Permit to March 2018



# IDD&E - Dry Weather Inspection

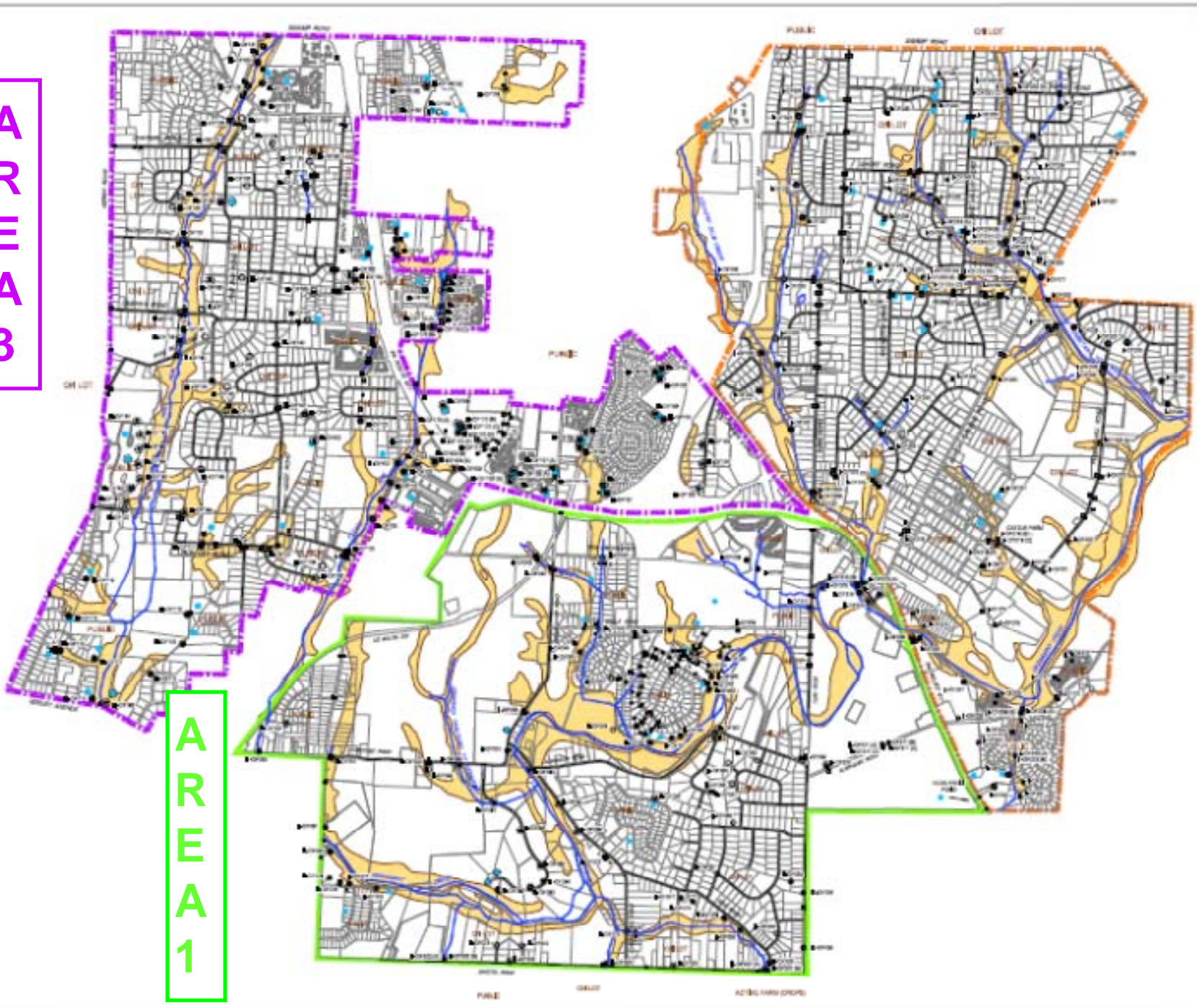




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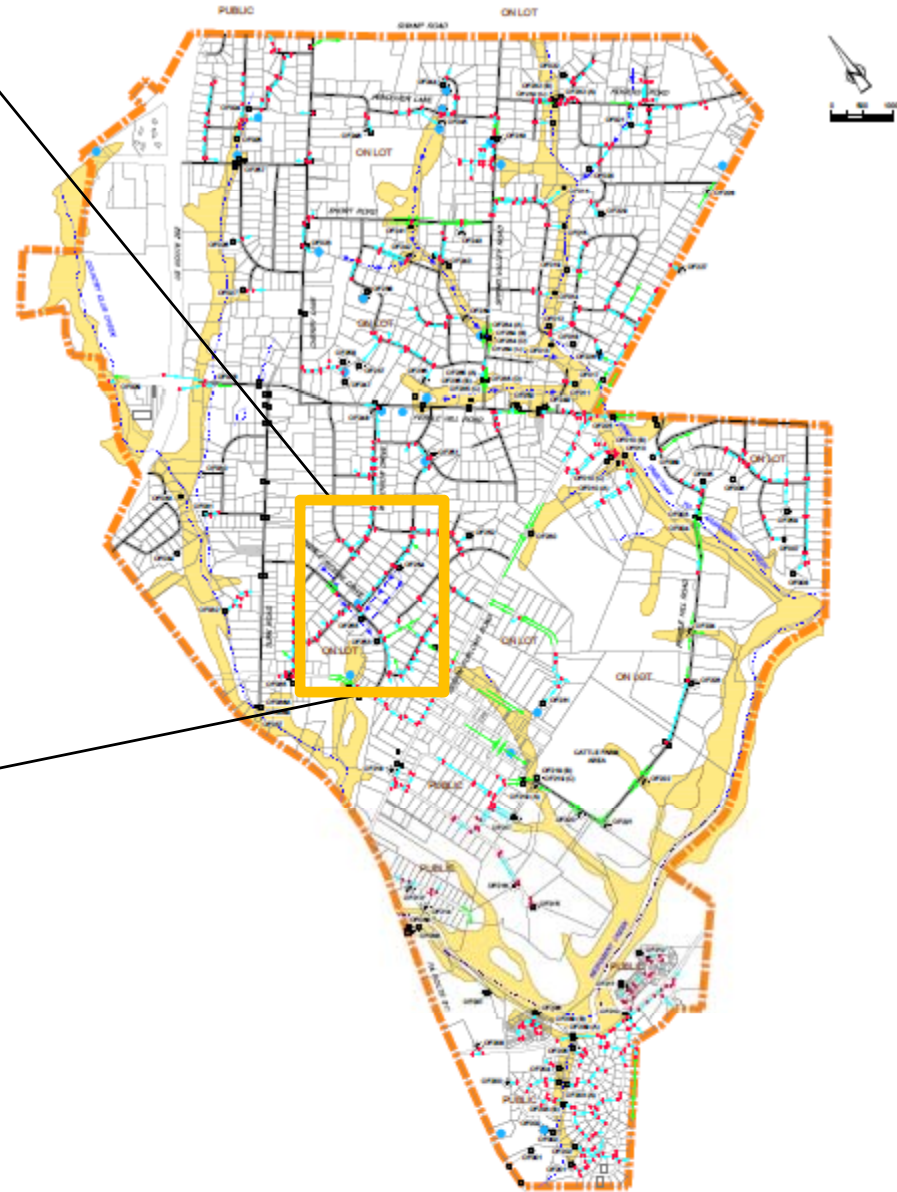
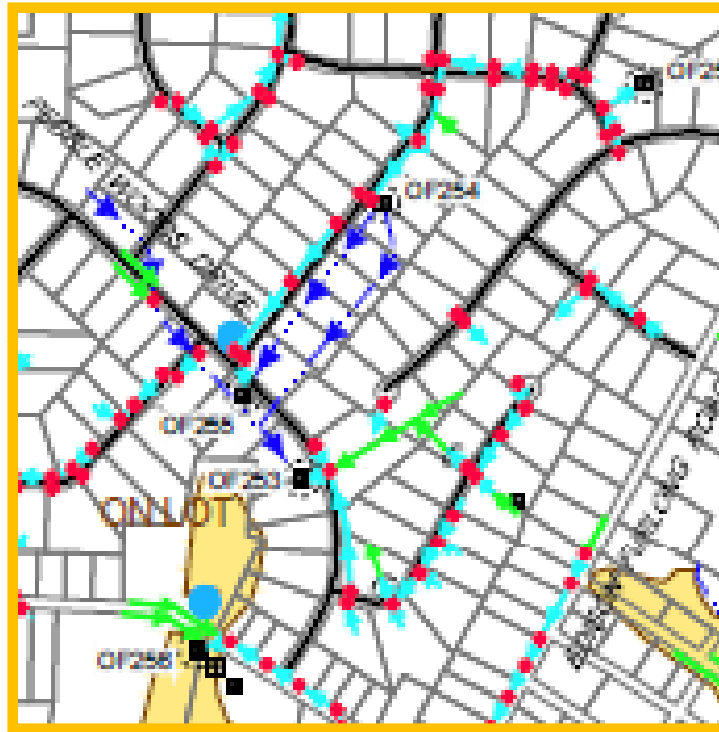


# IDD&E Inspections, Sampling & Results - 2012

- **Focused Inspections & Sampling on Area 2**
- **Historical “Hot Spot” Sampling Area 1**
- **Sample Analysis**
  - Fecal coliform at all locations (Area 2 = 36 / Area 1 = 12)
  - Detergents at one location (Area 2)
- **Data Review**
- **Detailed Mapping of Area 2**
  - EPA requirement to map all outfalls, catch basins, etc.
  - Identify receiving waters / surrounding municipalities
  - Prepare detailed CAD map
- **Annual Report (2011) to PADEP – June 2012**



# Area 2 - Detailed Mapping





# IDD&E Sampling - 2012

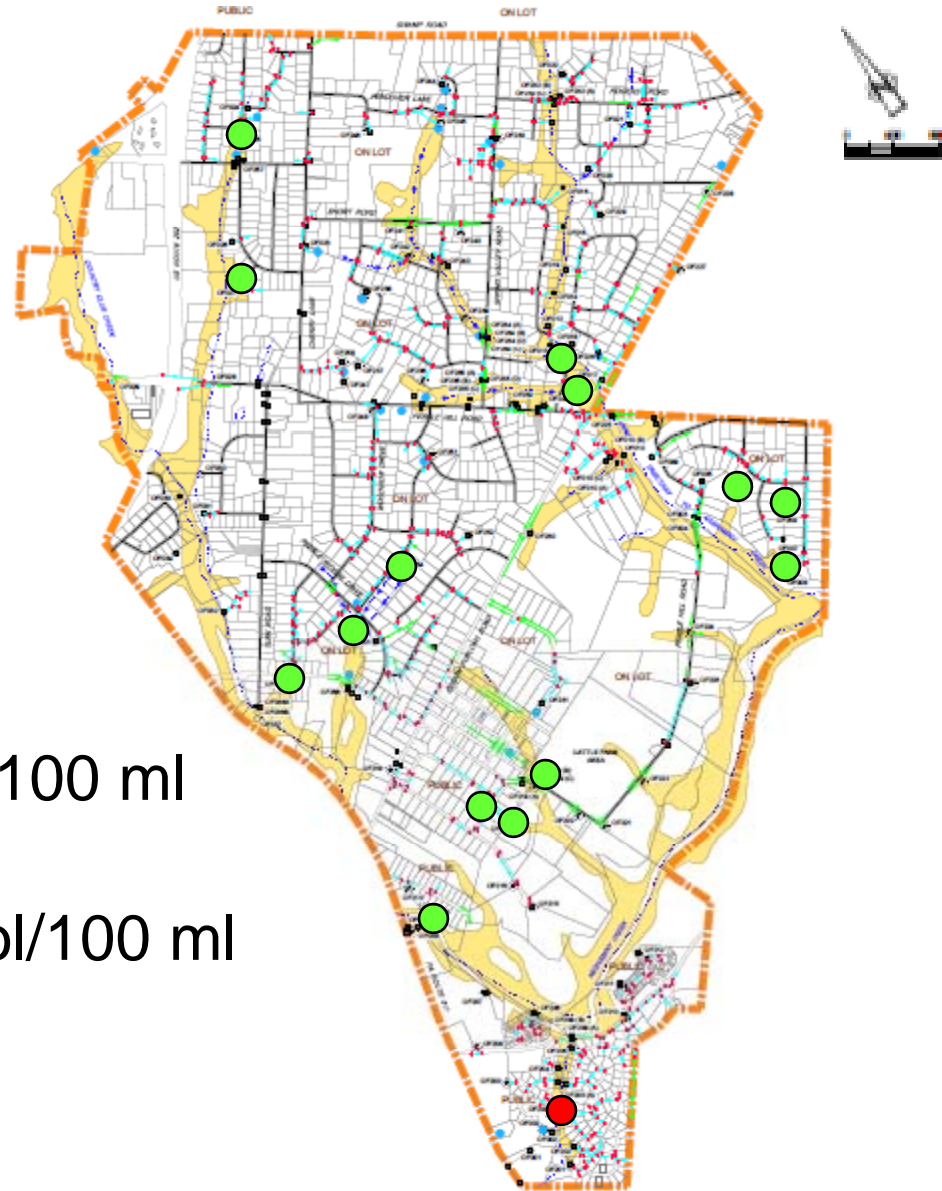
## Area 2

### Outfalls

- **36 samples at 33 outfalls**
- **15 samples (14 locations) FC > 200 col/100 ml**
- **Maximum FC = >6,000 col/100 ml**



# Area 2 - Sampling Results



● FC > 200 col/100 ml

● FC > 6,000 col/100 ml



# IDD&E Sampling - 2012

## Area 2

**Fecal Coliform levels are elevated in sections of Area 2**

## Area 1

**Fecal Coliform levels still elevated in hot spot areas of Area 1 but results did not increase (as may have been expected due to 3<sup>rd</sup> year of septic pump-out schedule)**



# Going Forward

- **Complete round of outfall inspections and sampling in Area 3**
- **Detailed mapping of Area 3**
- **“Hot Spot” sampling in Areas 1 and 2 with historical FC impact**
- **Additional source investigations (i.e. dye tracing, TV inspection), if necessary**
- **Source mitigation, if identified**



# Takeaways

- Township in Compliance
- Continue Inspections/Sampling
- Complete mapping effort
- Continue to perform sampling where illicit discharges may be occurring
- Septic system maintenance
- Public participation
- Pollution prevention & good housekeeping
- **Goal is to Improve Water Quality!!!**



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