



March 13, 2023  
Council Meeting

# Town of McCandless Pollutant Reduction Plan Revisions

Presented by:

**Ashley A. Neptune, P.E.**  
Environmental Engineer

**Kelley R. Harrington, E.I.T.**  
Project Manager

# Pollutant Reduction Plan (PRP)



- **What and Why?**

- PADEP MS4 Requirement
- Addresses siltation and nutrient impaired waters
  - Streams assessed by PADEP once every two years



Sediment Pollution

- **Goal**

- Implement stormwater projects that are focused on water quality
- Reduce pollution caused by sediment in impaired streams

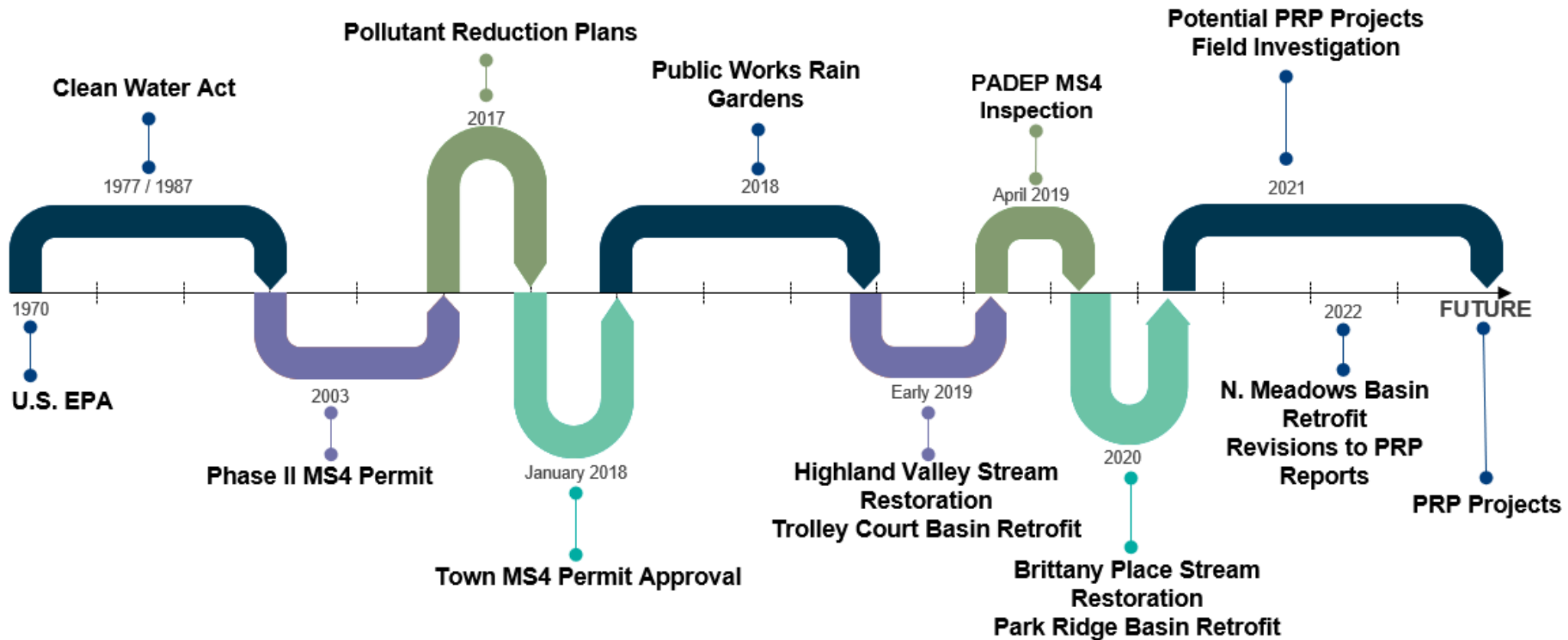


Excessive Algae Growth



Town of  
**McCandless**  
PENNSYLVANIA

# Town of McCandless PRP Timeline



Town of  
**McCandless**  
PENNSYLVANIA



# PRP Completed Projects



N. Meadows  
Basin Retrofit



Sheetz Stream  
Restoration



Highland Valley  
Stream Restoration



Public Works Rain  
Gardens



Brittany Place  
Stream Restoration



Park Ridge Basin  
Retrofit

07/24/2019



Trolley Court Basin  
Retrofit



# PRP Report Revisions

- Utilized PADEP approved methods to reduce the pollutant reduction requirement
  - Estimated savings of ~\$150,000 for construction costs

Pine Creek - North Park Lake 2017	
Pollutant Type	Reduction (lbs/yr)
Sediment	83,074.12
Equivalent Stream Restoration (L.F.)	722

Pine Creek - North Park Lake 2023	
Pollutant Type	Reduction (lbs/yr)
Sediment	64,159.61
Equivalent Stream Restoration (L.F.)	558

 **Needs More Projects**  
Public Works Rain Gardens

Little Pine Creek 2017	
Pollutant Type	Reduction (lbs/yr)
Sediment	107,784.05
Equivalent Stream Restoration (L.F.)	937

Little Pine Creek 2023	
Pollutant Type	Reduction (lbs/yr)
Sediment	69,974.69
Equivalent Stream Restoration (L.F.)	608

 **Needs More Projects**  
Brittany Place Stream Restoration & Park Ridge Basin Retrofit


Lowries Run 2017	
Pollutant Type	Reduction (lbs/yr)
Sediment	55,954.52
Equivalent Stream Restoration (L.F.)	487

Lowries Run 2023	
Pollutant Type	Reduction (lbs/yr)
Sediment	33,300.65
Equivalent Stream Restoration (L.F.)	290

 **Completed**  
Highland Valley Stream Restoration & Trolley Court Basin

Girtys Run 2017	
Pollutant Type	Reduction (lbs/yr)
Phosphorus	3.20
Equivalent Stream Restoration (L.F.)	59

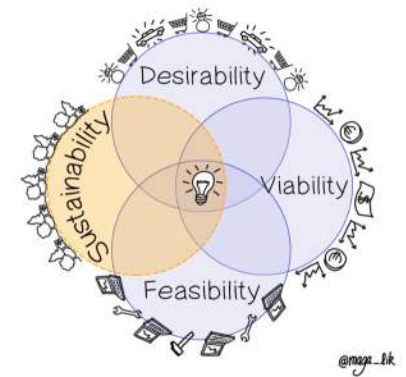
Girtys Run 2023	
Pollutant Type	Reduction (lbs/yr)
Phosphorus	1.34
Equivalent Stream Restoration (L.F.)	25

 **Completed**  
Sheetz Stream Restoration & Slovak Savings Bank BMP



# PRP Report Revisions

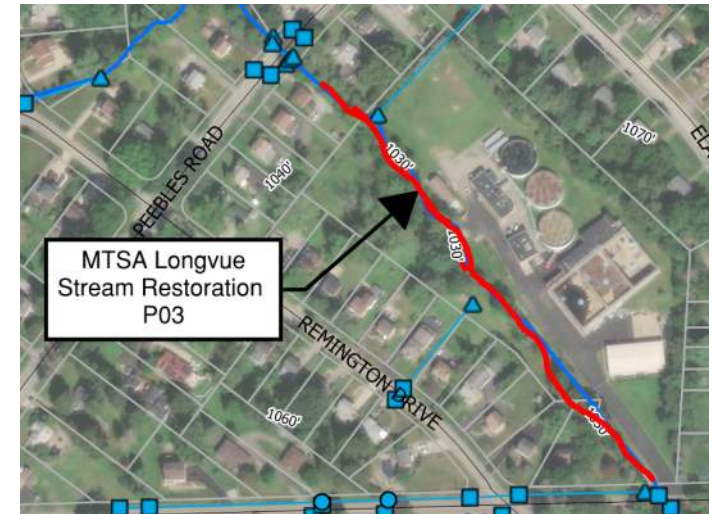
- **Conducted desktop and field reviews for new potential PRP projects**
  - Focused on stream restoration projects (most valuable PRP Project)



# New PRP Projects – MTSA Longvue



- Little Pine Creek HUC-12
- MTSA property
- Maximum of 600 LF of stream restoration  
→ only 420 LF needed to meet PRP requirement



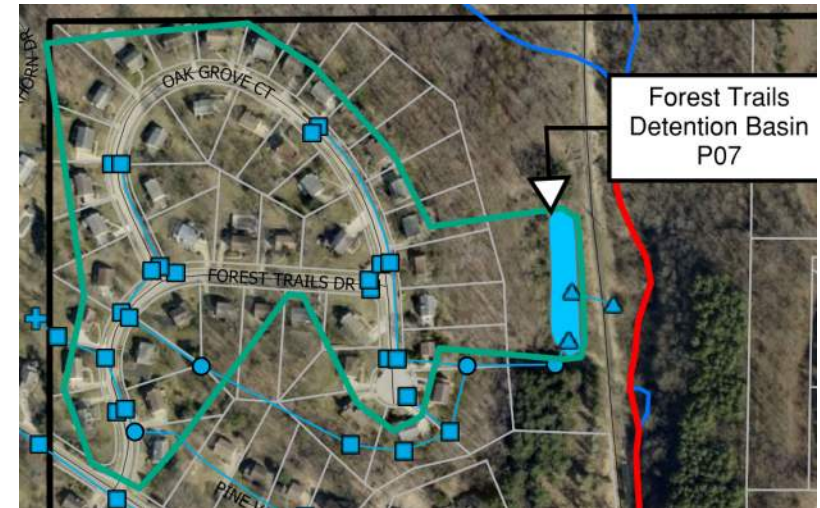
Town of  
**McCandless**  
PENNSYLVANIA



# New PRP Projects – Forest Trails Basin



- **North Park Lake – Pine Creek HUC-12**
- **Drainage Area ~16 acres**
- **Town owned Basin**



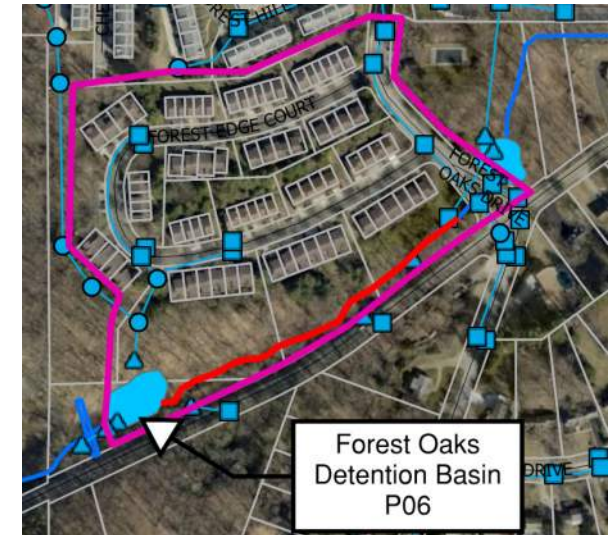
Town of  
**McCandless**  
PENNSYLVANIA



# New PRP Projects – Forest Oaks Basin



- **North Park Lake – Pine Creek HUC-12**
- **Drainage Area ~11 acres**
- **Town owned Basin**



# New PRP Projects – Vestal Park



- **North Park Lake – Pine Creek HUC-12**
- **Town owned property**
- **Public park space**
- **Maximum of 2,200 LF of stream restoration → only 485 LF needed to meet PRP requirement**





# New PRP Projects – Richard Road



- **North Park Lake – Pine Creek HUC-12**
- **Forest Oaks Common Ground Property**
- **Maximum of 740 LF of stream restoration → only 485 LF needed to meet PRP requirement**



Town of  
**McCandless**  
PENNSYLVANIA



# New PRP Projects – Wexford Run



- **North Park Lake – Pine Creek HUC-12**
- **Numerous property owners**
- **Maximum of 3,100 LF of stream restoration → only 485 LF needed to meet PRP requirement**



Town of  
**McCandless**  
PENNSYLVANIA



# Next Steps



- Address any public comments
- Finalize and submit revised PRP reports to PADEP
- Address any comments from PADEP
- Design, permitting and construction of PRP projects
- Submit Final PRP Report to PADEP



*The Town of McCandless*

**Pollutant Reduction Plan  
Pine Creek - North Park Lake HUC-12  
Watershed**



*Municipal Separate  
Storm Sewer System*

Kelley B. Harrington, E.I.T.  
Project Manager  
Ashley A. Neptune, P.E.  
Adam J. Isenberg, GIS Technician  
Daniel S. Deaneath, P.E.  
Town Engineer

*Latest Revision: January 17, 2023*



Town of  
**McCandless**  
PENNSYLVANIA

# Town of McCandless Pollutant Reduction Plan Revisions

## Questions?



Town of  
**McCandless**  
PENNSYLVANIA

