



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**

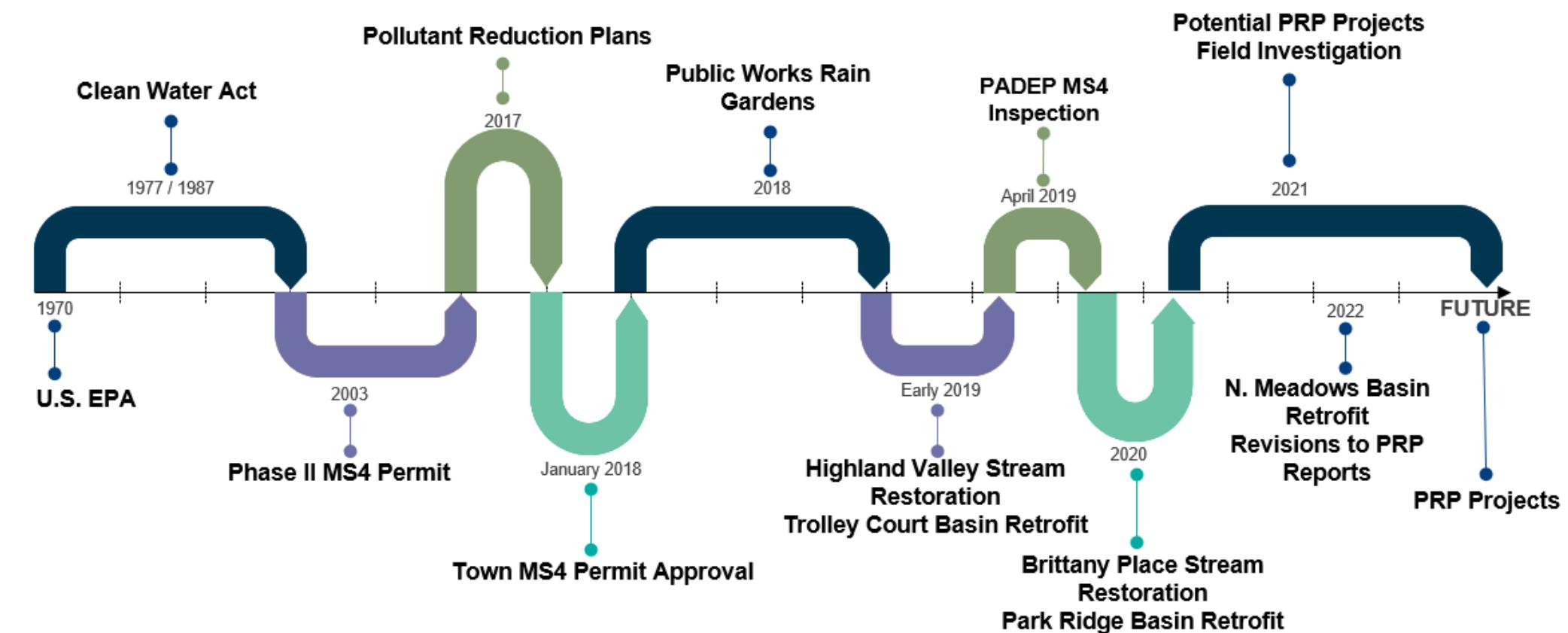
- Implement stormwater projects that are focused on water quality
- Reduce pollution caused by sediment in impaired streams



Excessive Algae Growth



Town of McCandless PRP Timeline



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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



Trolley Court Basin
Retrofit



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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

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

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

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

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

Needs More Projects
Public Works Rain Gardens

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

Completed
Highland Valley Stream Restoration &
Trolley Court Basin

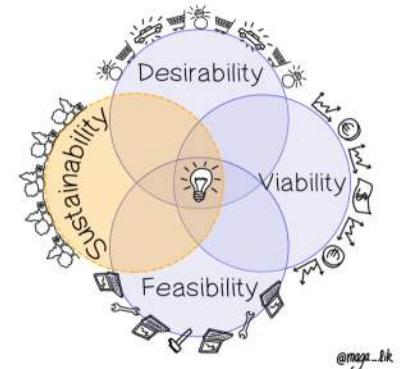
Completed
Sheetz Stream Restoration & Slovak
Savings Bank BMP



PRP Report Revisions



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

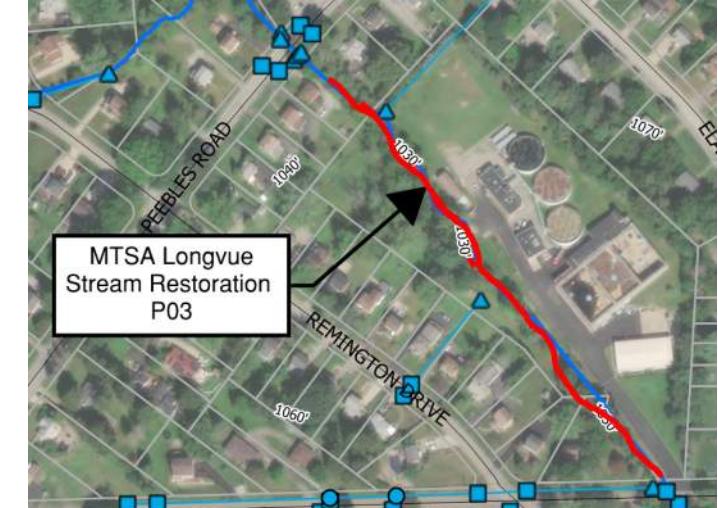


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New PRP Projects – MTSA Longvue



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

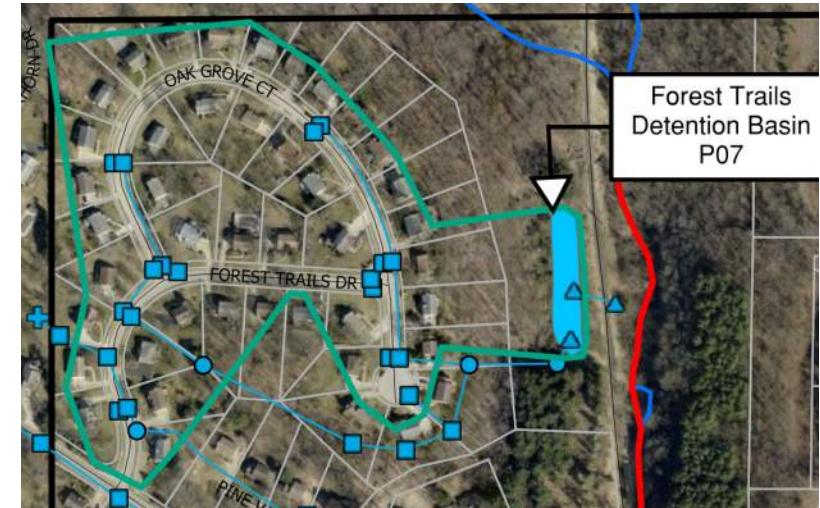


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New PRP Projects – Forest Trails Basin



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



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New PRP Projects – Forest Oaks Basin



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



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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



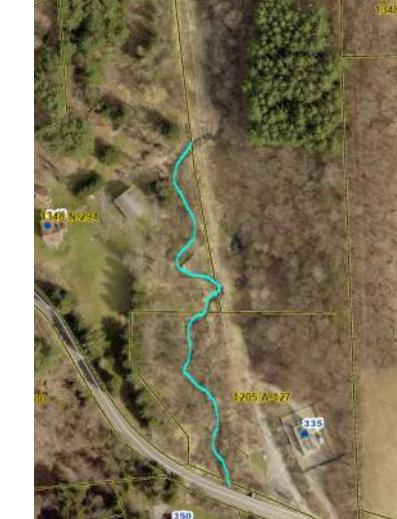
- **North Park Lake – Pine Creek HUC-12**
- **Forest Oaks Common Ground Property**
- **Maximum of 740 LF of stream restoration → only 485 LF needed to meet PRP requirement**



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**



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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



Kelley R. Harrington, E.I.T.,
Project Manager
Ashley A. Neptane, P.E.
Adam J. Isenberg, GIS Technician
Daniel S. Detenbeck, P.E.
Town Engineer

Latest Revision: January 17, 2023

*Municipal Separate
Storm Sewer System*



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Questions?



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