

About the Nashawannuck Brook Restoration Project

Where:

- The project is located at the former Pine Grove Golf Course accessed from Old Wilson Road. The project will focus on the restoration of the site, including Nashawannuck Brook.

Why:

- Nashawannuck Brook is heavily modified by hardened structures (e.g., dams, culverts, and armored channel), and removing them will improve flood storage, floodplain connection, and ecological habitat.
- The site has been altered by conversion of wetland areas to golf course fairways, and restoring wetlands will improve nutrient processing, carbon sequestration, and ecological habitat.

Proposed Changes:

- Remove the earthen dam
- Remove an existing culvert within the parcel
- Remove other structures remaining from the parcel's former use as a golf course
- Create and enhance wetlands
- Improve the trail network
- Promote aggradation of the streambed to reconnect floodplain
- Remove the culvert at Old Wilson Road and dead-end the road to vehicle traffic
- Remove armoring to renaturalize the stream channel

Goals:

- **Restore self-sustaining function to wetlands**
- **Improve climate resiliency**
 - Create wetlands to promote carbon capture
 - Remove hardened structures along Nashawannuck Brook to reduce downstream flooding
- **Create recreational opportunities** for the local community, including Environmental Justice populations, by improving access to the site.

NASHAWANNUCK BROOK RESTORATION



ACCESS IMPROVEMENTS AND SITE AMENITIES

1. FORMALIZED PARKING AREA (20 SPACES)
2. POTENTIAL VEHICULAR GATE
3. UPDATED NASHAWANNUCK BROOK PEDESTRIAN AND/OR VEHICULAR CROSSING
4. PEDESTRIAN TRAILHEAD WITH BIKE RACKS
5. VEHICULAR/PEDESTRIAN TRAILHEAD WITH BIKE RACKS
6. ACCESSIBLE TRAIL
7. ACCESSIBLE LOOP SIGNAGE AND SEATING NOOK
8. ROCKY HILL GREENWAY TRAIL CONNECTION
9. UPLAND SPUR TRAIL
10. ACCESSIBLE ALTERNATE LOOP BOARDWALK
11. CUTTING BLOCK TRAIL
12. ECO-KIDS ADVENTURE LOOP (RUSTIC)
13. STREAM ACCESS TRAIL
14. UPLAND OVERLOOK TRAIL
15. ACCESSIBLE ELEVATED STREAM CROSSING
16. ACCESSIBLE TRAIL SPUR TO MOUNT GIL

17. MOUNT GIL CHIPMUNK GROVE

18. LOWER NASHAWANNUCK BROOK SECONDARY TRAIL
19. DYNAMIC/ADAPTIVE WETLAND OVERLOOK/TRAIL CONNECTION
20. RESTORATION EVOLUTION MARKER/OBSERVATION POINT

ECOLOGICAL RESTORATION ELEMENTS

21. WOODY DEBRIS INCORPORATED TO INDUCE MEANDERING
22. ECOLOGICAL RESTORATION CUTTING BLOCK
23. HUMMOCK/HOLLOW WETLANDS
24. CULVERT REMOVAL AND STREAMBED RESTORATION
25. DAM REMOVAL AND VALLEY RESTORATION
26. TRIBUTARY STREAMBANK/CHANNEL STABILIZATION
27. UPLAND CHOP AND DROP HABITAT DIVERSIFICATION
28. 2020 UPLAND REFORESTATION AREA
29. CLIMATE ADAPTIVE REFORESTATION
30. POLLINATOR MEADOW
31. BEAVER DAM ANALOGS
32. BEAVER RECRUITMENT AREA
33. BEAVER BUFFET PLANTINGS
34. CHANNEL RESTORATION/NATURALIZATION
35. CLIMATE ADAPTIVE WETLAND
36. WOOD RECRUITMENT PLANTINGS
37. CUT EXISTING HANGING LOGS IN INCISION AREA TO FOSTER AGGRADATION

Community Co-Benefits:

- Increased access to natural resources and ecological features
- Improved site aesthetics
- Improved air quality



To learn more:

- Reach out to Sarah LaValley at slavalley@northamptonma.gov or (413) 587-1263