Concept Plan for Phase 1A, 1C and 1D Middle Creek & Coal Run South of Route 571/Donaldson Road Schuylkill County, PA Funded by National Fish and Wildlife Foundation Chesapea

Existing

forested slope

Proposed native wetland species

Schuylkill County, PA June 13, 2023

Middle Creek Watershed Boundary

Gebhard Run Watershed Boundary

Existing

forested slope

Funded by National Fish and Wildlife Foundation Chesapeake Bay Small Watershed Planning and Technical Assistance Grant

Coal Run Watershed Boundary

Benefits Summary

Restoration within areas 1A, 1C and 1D will:

- Reduce erosion of streambed and banks • Increase retention of sediment, nutrients
- Increase flood flow storage and infiltration
- Treat acid mine drainage Improve aguatic and terrestrial

Restoration Approach 2:

Existing AMD Treatment Facility

End of existing

concrete lining

Stream Stabilization

discharge outflow channel

riparian habitat

Linear Feet of Restoration: ~6,973 feet

Existing channel (to

be abandoned/filled)

Proposed Conditions



Restoration Approach 3:

Legend

Stream/Floodplain Relocation

Restoration Approach 1

Watershed Boundary

Municipal Boundary

Parcel Line

Restoration Approach 2

Restoration Approach 3

Potential Proposed channel shooting range Existing channel Proposed grade Existing grade Proposed Floodplain Limits Proposed native vegetation (typ) Potential shooting range (~30 yards x 200 yards)

Section A-A' - Restoration Approach 1: Raise Channel to Match Floodplain

Restoration Approach 1: Raise channel to match floodplain. Confluence with Gebhard Run

Existing pond

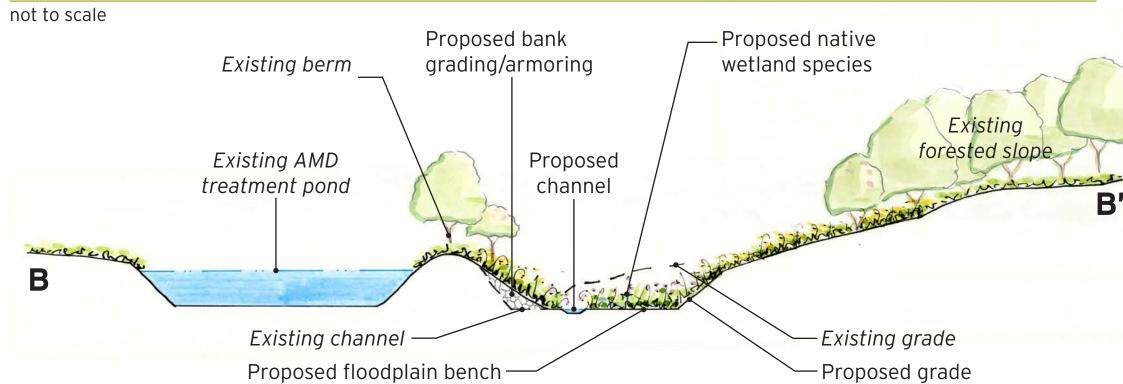
not to scale Existing forested slope

Proposed native wetland species Proposed Proposedchannel pocket

Proposed wetland pocket (typ)

Section C-C' - Restoration Approach 3: Stream/Floodplain Relocation Existing Existing berm forested slope Proposed native vegetation -Proposed fill are Existing channel (concrete lined) -Existing grade -Proposed grade Proposed Floodplain Proposed Filling of Existing Channel

Section B-B' - Restoration Approach 2: Stream Stabilization



Restoration Statistics

- Drainage Areas:
- 1A Middle Creek to Confluence with Gebhard Run: 3.08 square miles

• 1C - Middle Creek to Confluence with Coal Run: 1.83 square miles • 1 D - Coal Run to Confluence with Middle Creek: 1 square mile

Wetland Creation in the Floodplain: ~23 acres