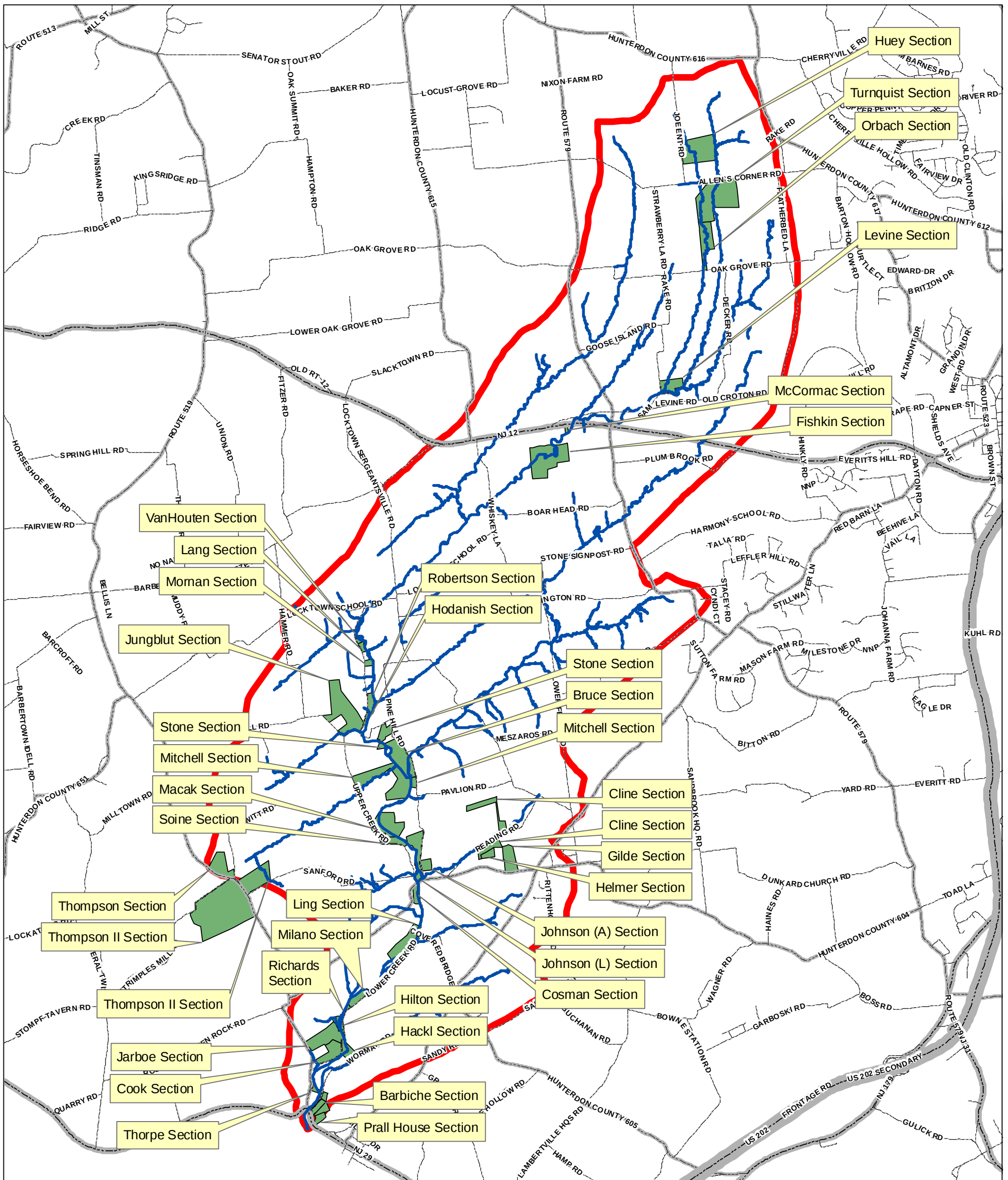


Legend

 Wickecheoke Creek Project Area

 Wickecheoke Creek Preserve

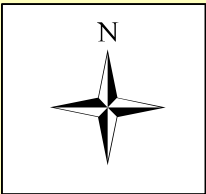
0 0.5 1 2 3 4 Miles



New Jersey Conservation Foundation
Wickecheoke Creek Preserve
Management Plan

Map 1. Historic Forest Patches of the
Wickecheoke Creek Project Area (1890 and 1930)

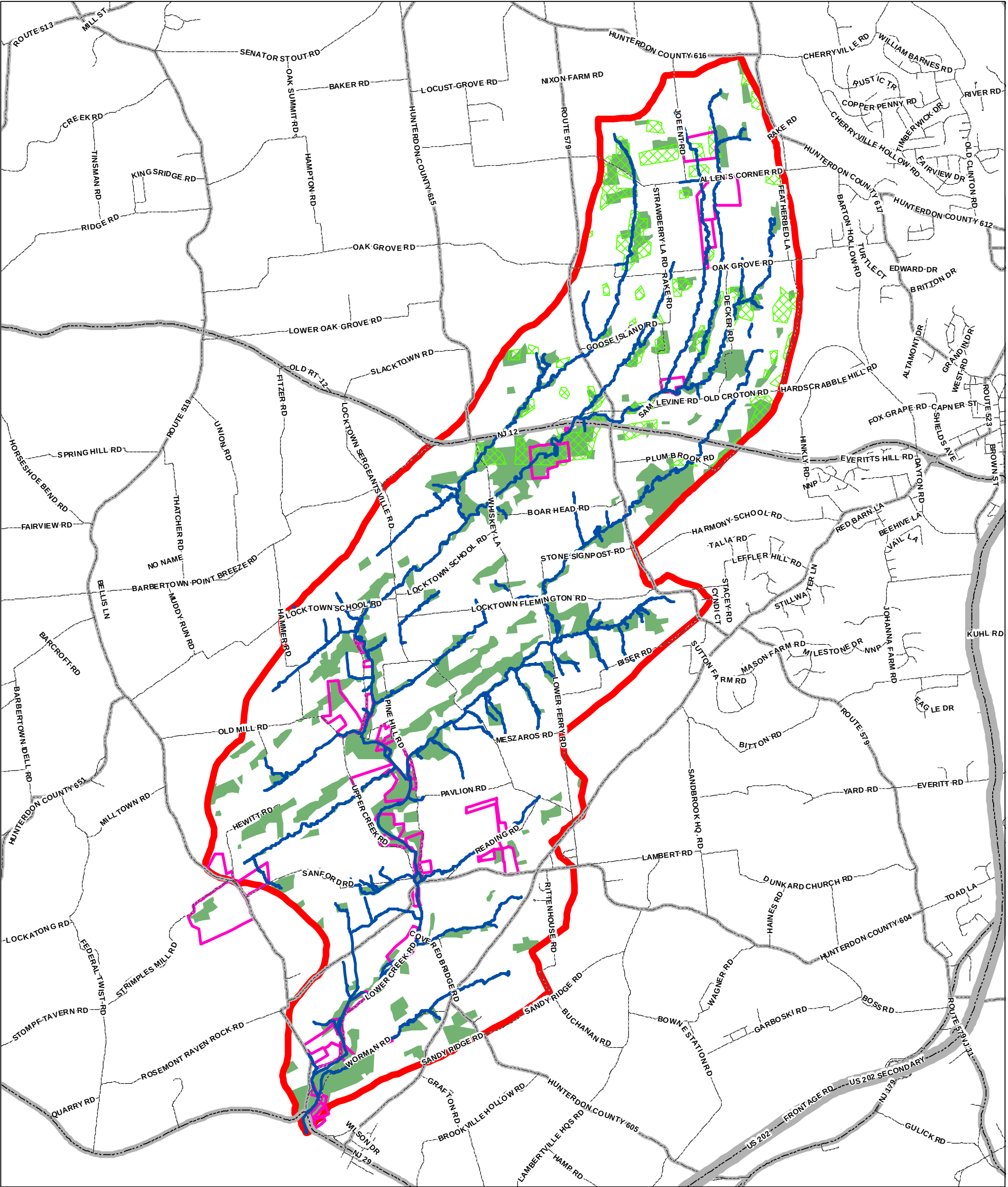
0 0.5 1 2 3 4 Miles



Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC

Legend

- Wickecheoke Creek Project Area
- Wickecheoke Creek Preserve
- Forest Cover - 1890
- Forest Cover - 1930

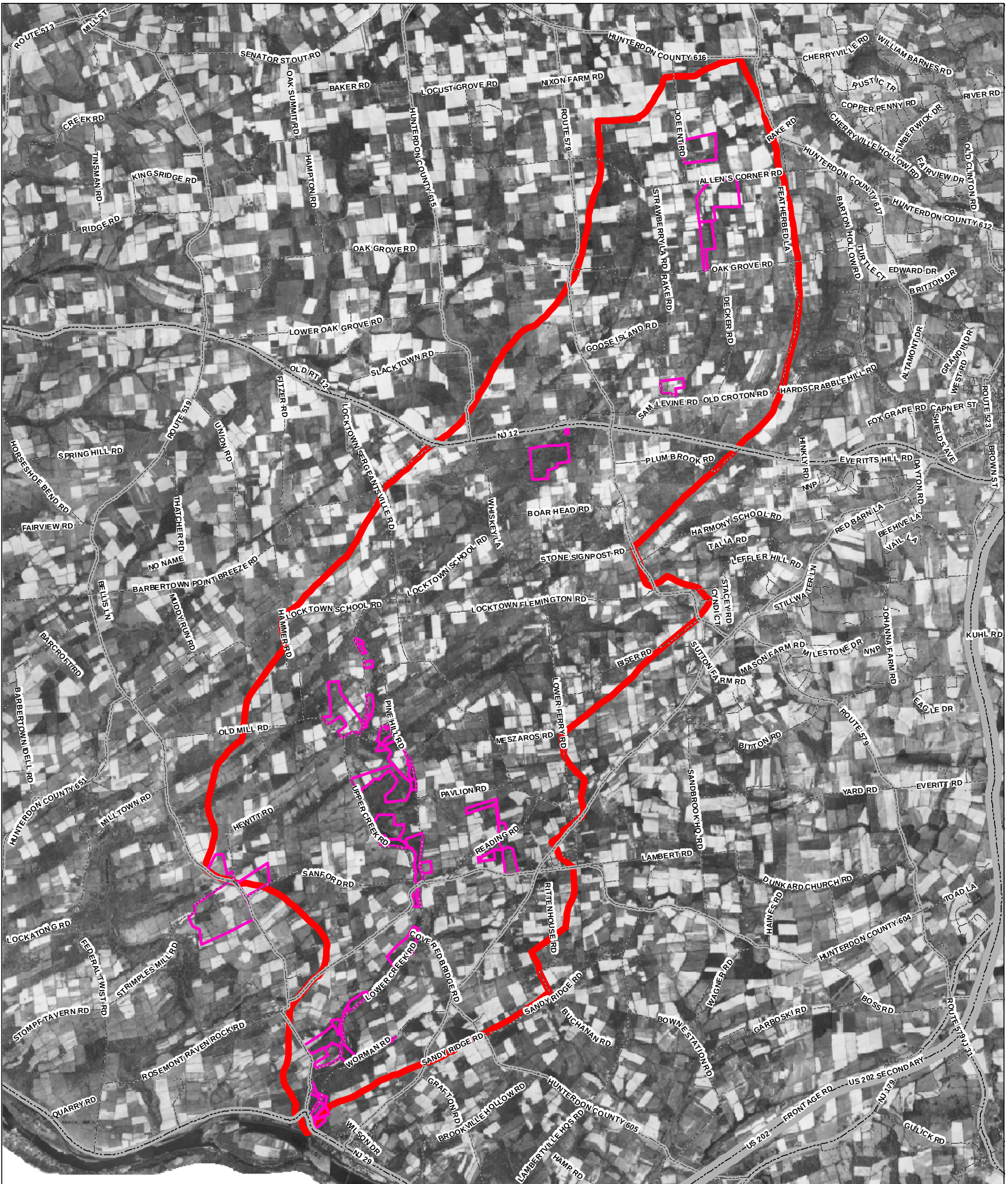


Legend

 Wickecheoke Creek Project Area

 Wickecheoke Creek Preserve

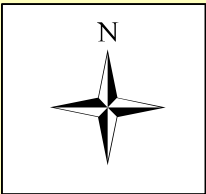
0 0.5 1 2 3 4 Miles



New Jersey Conservation Foundation
Wickecheoke Creek Preserve
Management Plan

Map 3. Bedrock Geology of the
Wickecheoke Creek Project Area

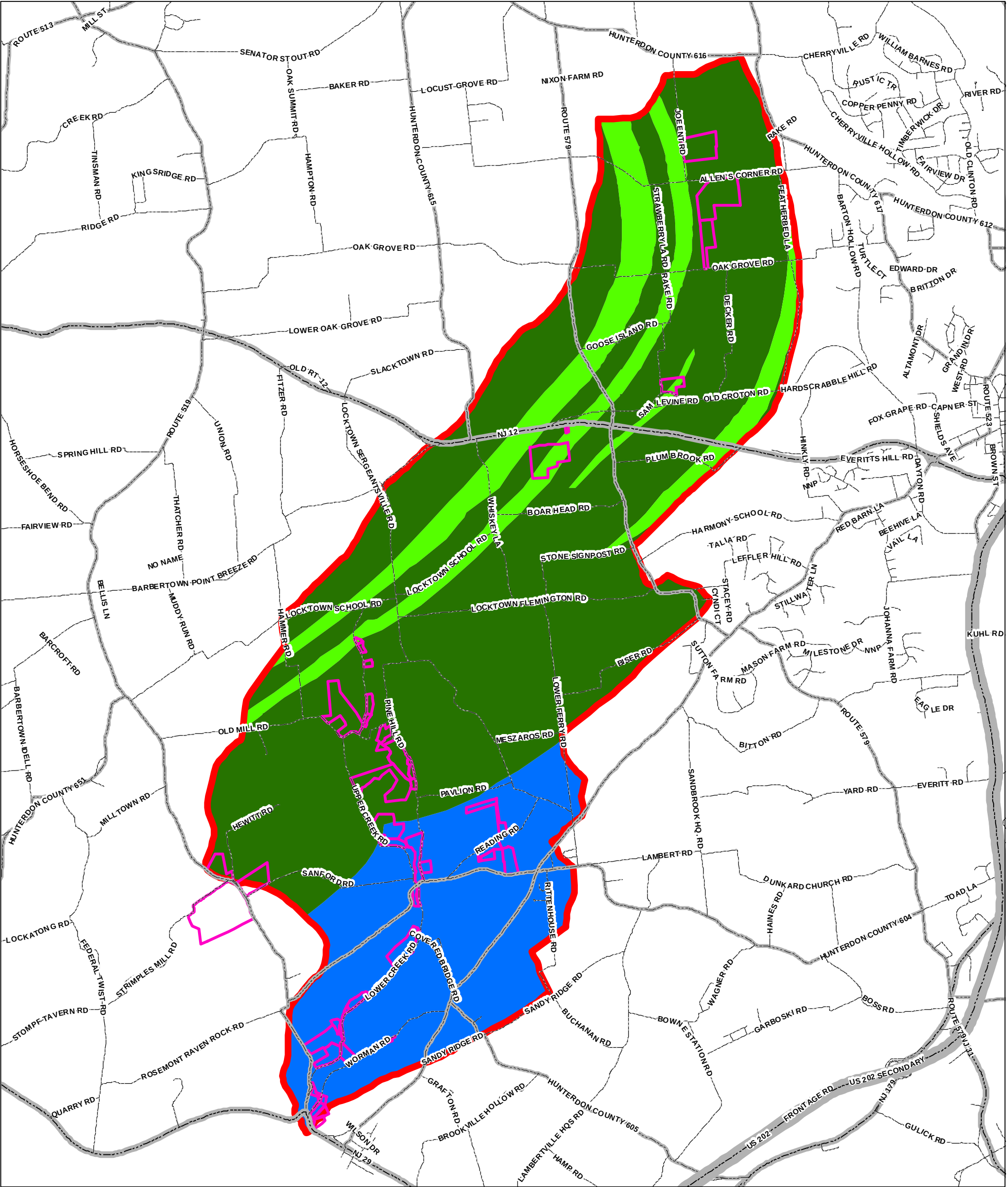
0 0.5 1 2 3 4 Miles



Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC

Legend

- Wickecheoke Creek Project Area
- Wickecheoke Creek Preserve
- Lockatong Formation
- Red Bed of Lockatong Formation
- Stockton Formation

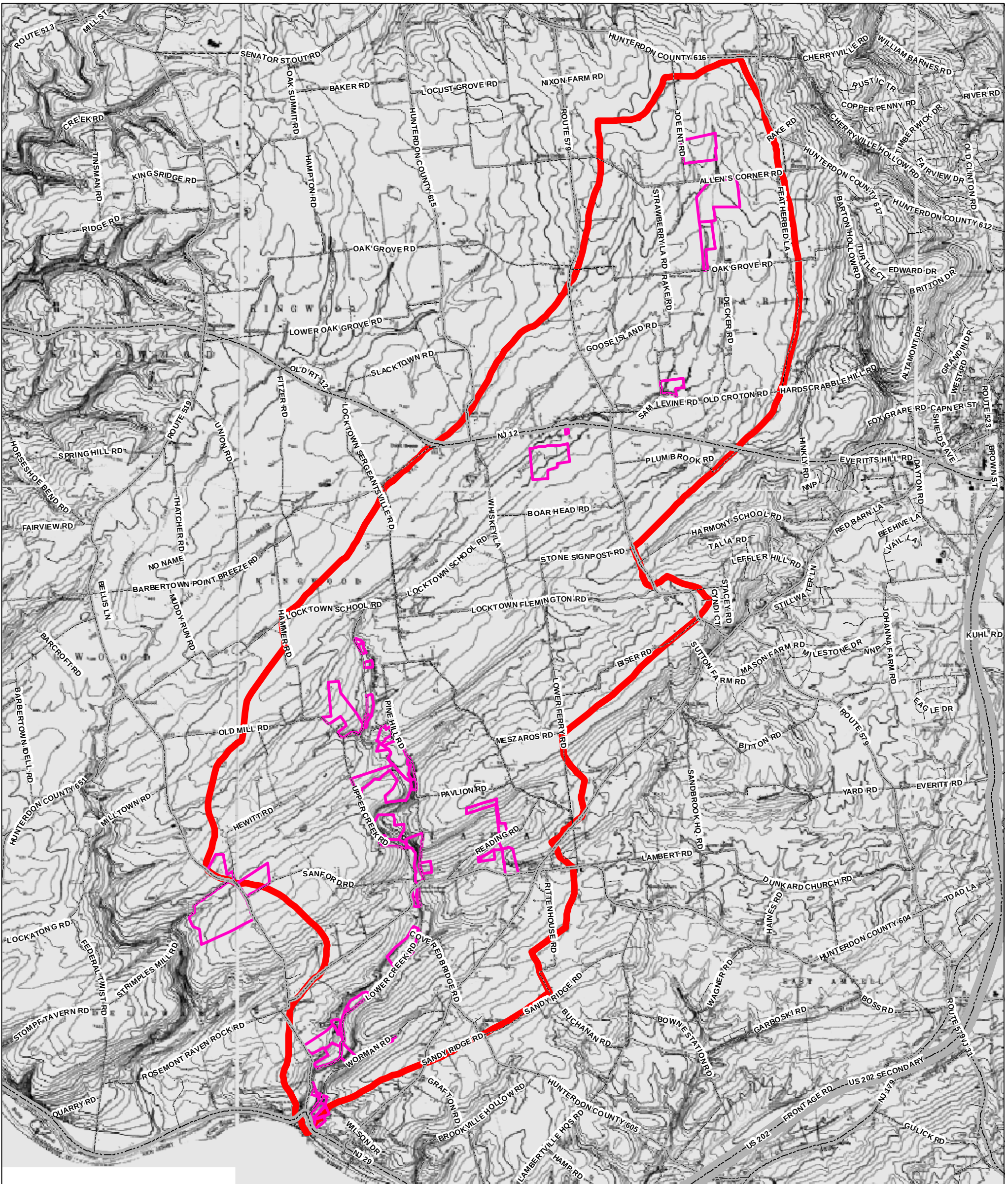


Legend

 Wickecheoke Creek Project Area

 Wickecheoke Creek Preserve

A horizontal number line is shown with tick marks at 0, 0.5, 1, 2, 3, and 4 Miles. The segments between 0 and 1, 1 and 2, and 2 and 3 are shaded gray.



Map 5. Slopes of the Wickecheoke Creek Project Area



Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC



Legend



Wickecheoke Creek Project Area



Wickecheoke Creek Preserve

NJWSA Slopes (percent)

5

10

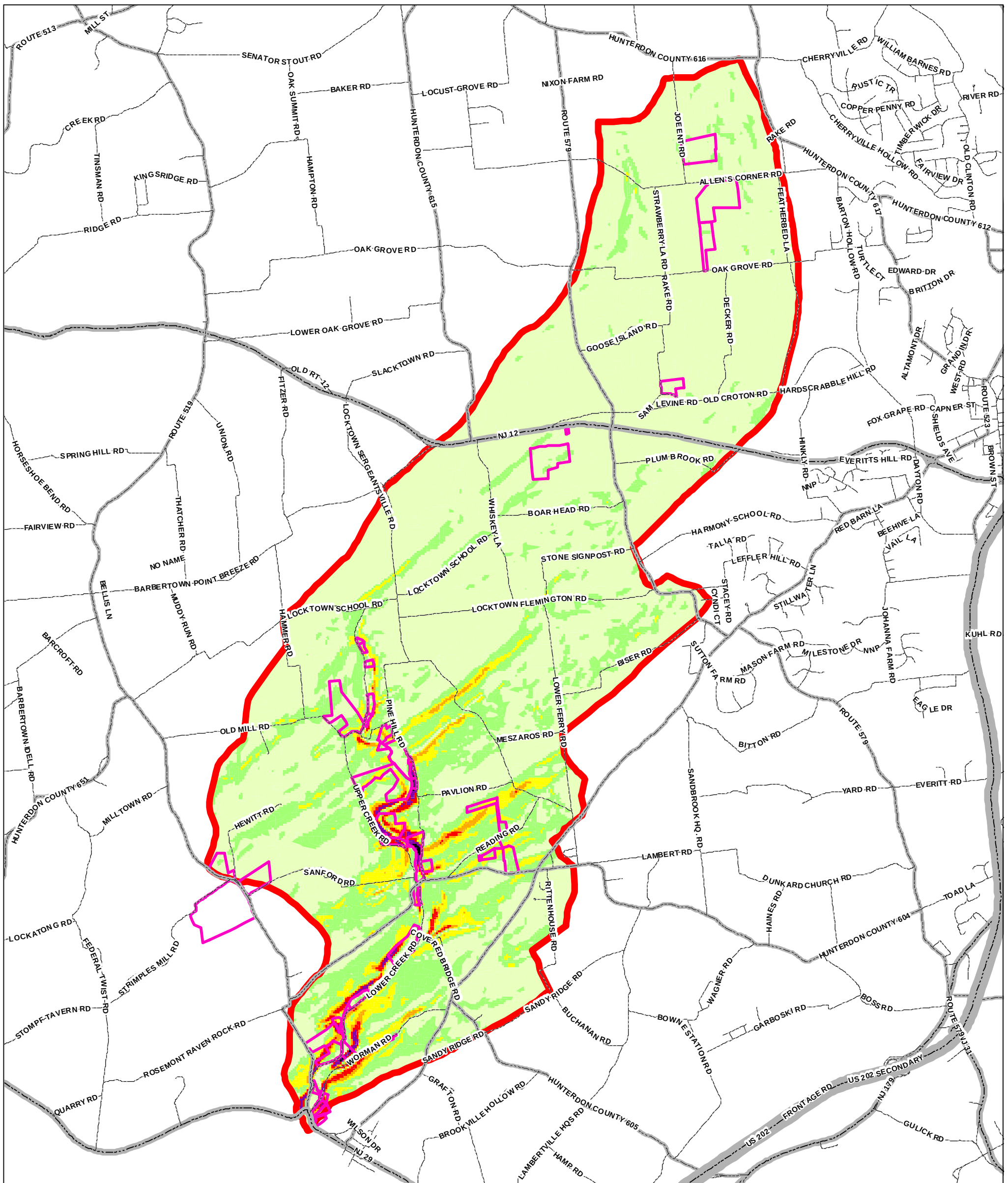
15 (Steep)

20 (Steep)

30 (Steep)

40 (Steep)

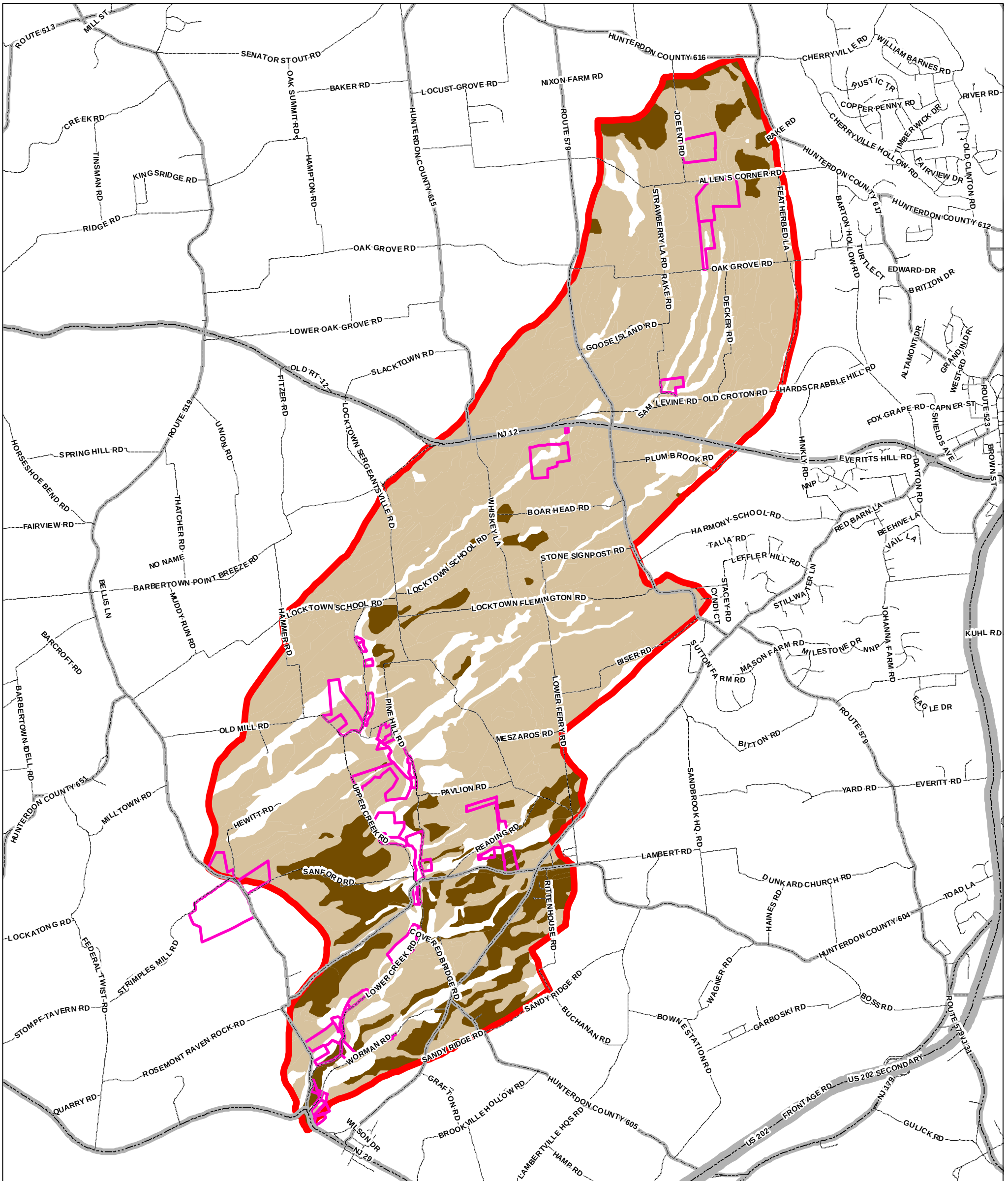
50 (Steep)



Map 6. Soils with Farmland Quality Designations in the Wickecheoke Creek Project Area

Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC

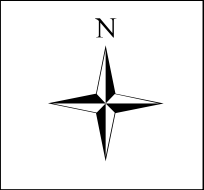
 Wickecheoke Creek Project Area
 Wickecheoke Creek Preserve
 Prime Farmland
 Statewide Importance



New Jersey Conservation Foundation
Wickecheoke Creek Preserve
Management Plan

Map 7. Soils with Erodible Land Designations
in the Wickecheoke Creek Project Area

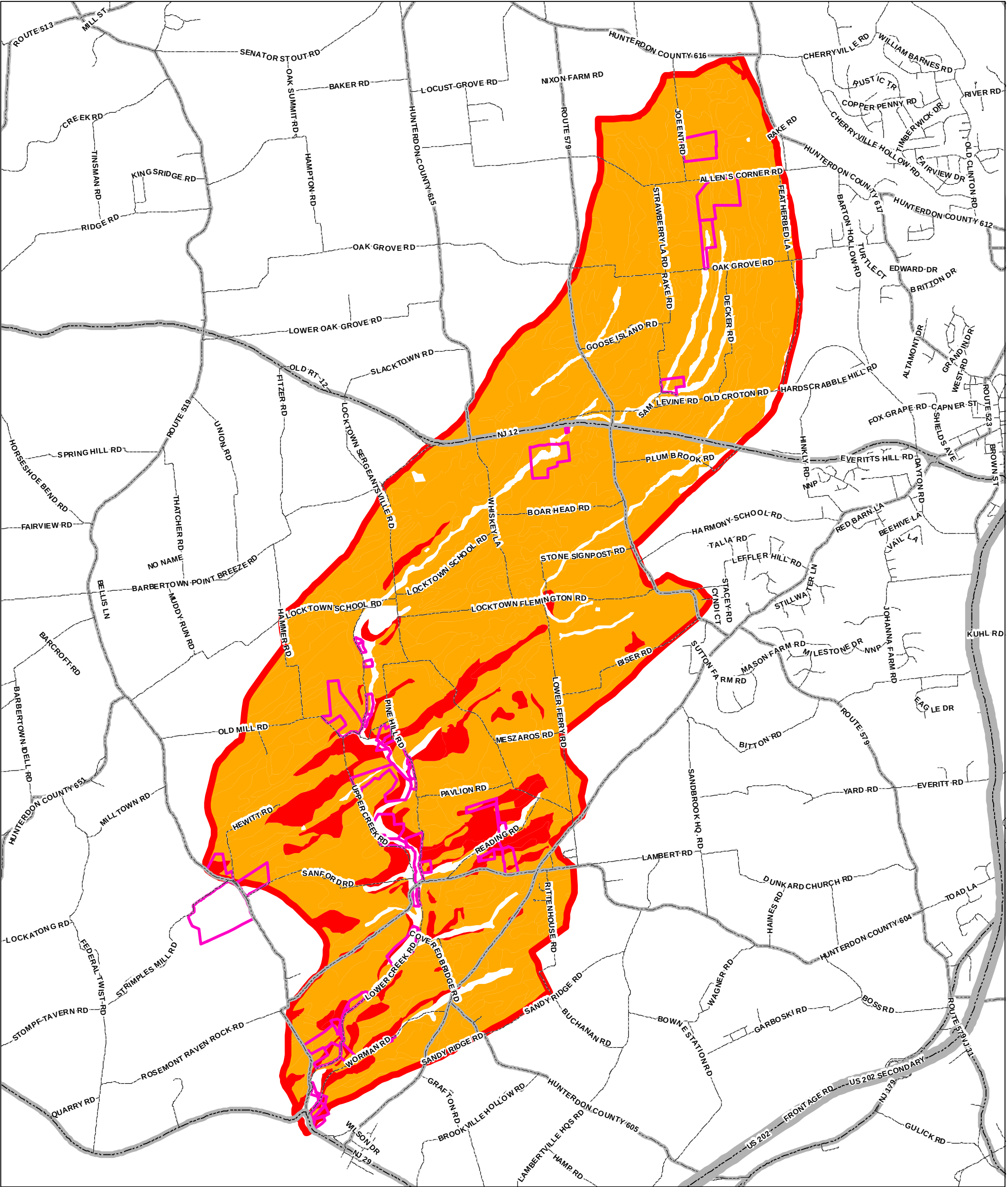
0 0.5 1 2 3 4 Miles



Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC

Legend

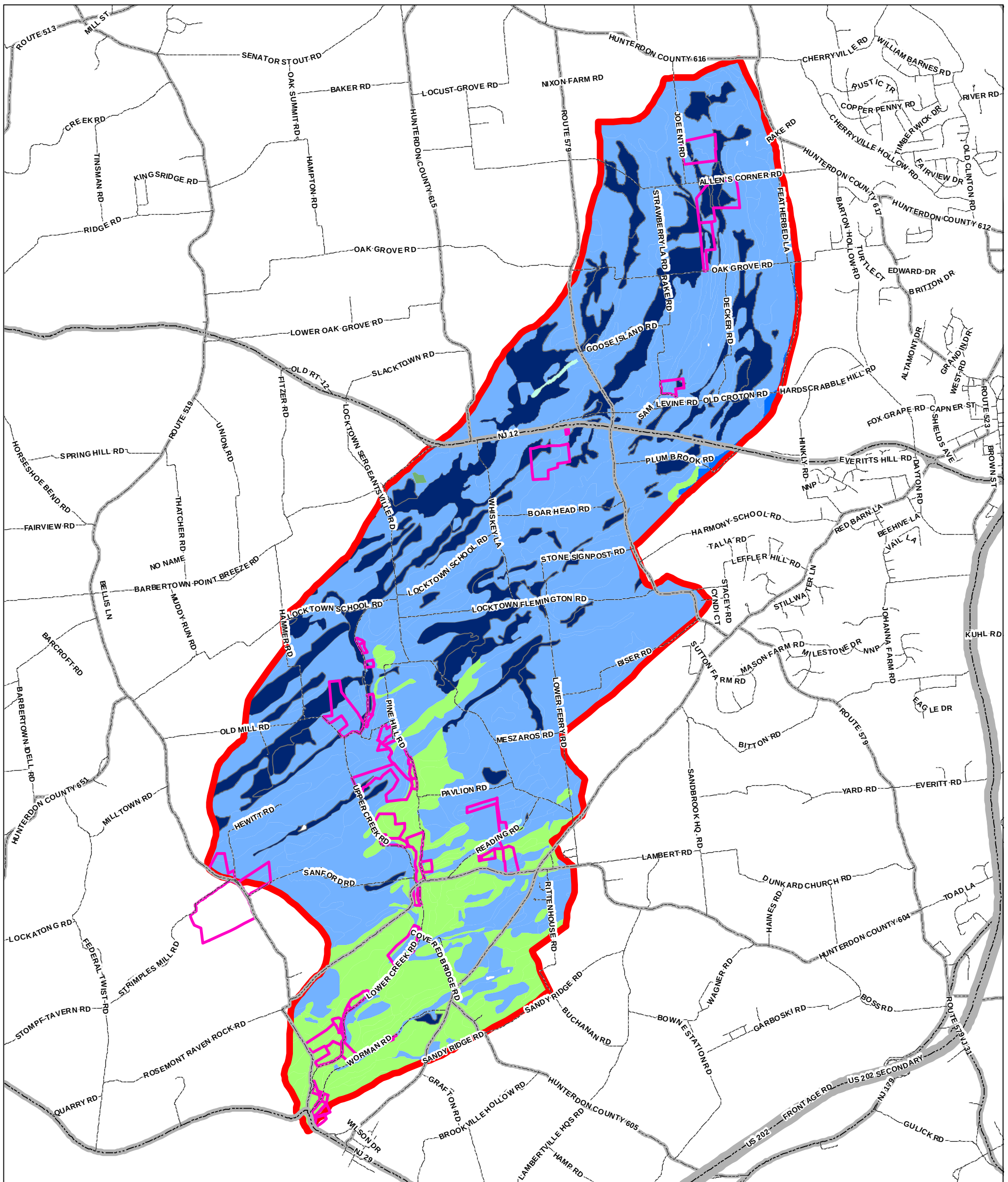
- Wickecheoke Creek Project Area
- Wickecheoke Creek Preserve
- Highly Erodible Land
- Potentially Highly Erodible Land



Map 8. Hydrologic Soil Grouping Designations in the Wickecheoke Creek Project Area

Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC

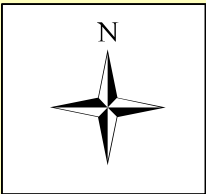
A
B
B/D
C
C/D
D



New Jersey Conservation Foundation
Wickecheoke Creek Preserve
Management Plan

Map 9. Waterways and Sub-Watersheds of the
Wickecheoke Creek Project Area

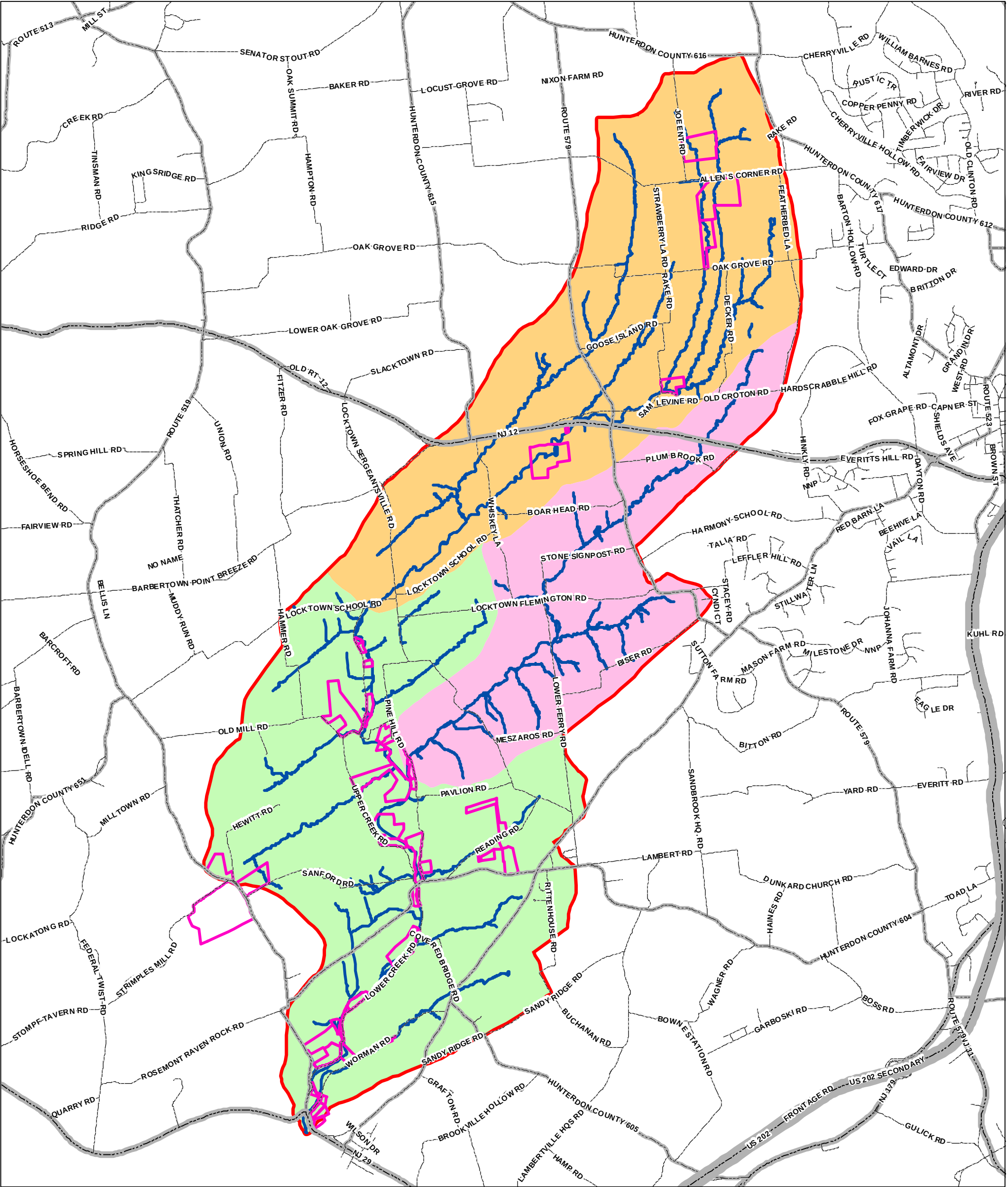
0 0.5 1 2 3 4 Miles



Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC

Legend

-  Wickecheoke Creek Project Area
-  Wickecheoke Creek Preserve
- HUC 14 Areas**
 -  HUC302
 -  HUC317
 -  HUC330



New Jersey Conservation Foundation
Wickecheoke Creek Preserve
Management Plan

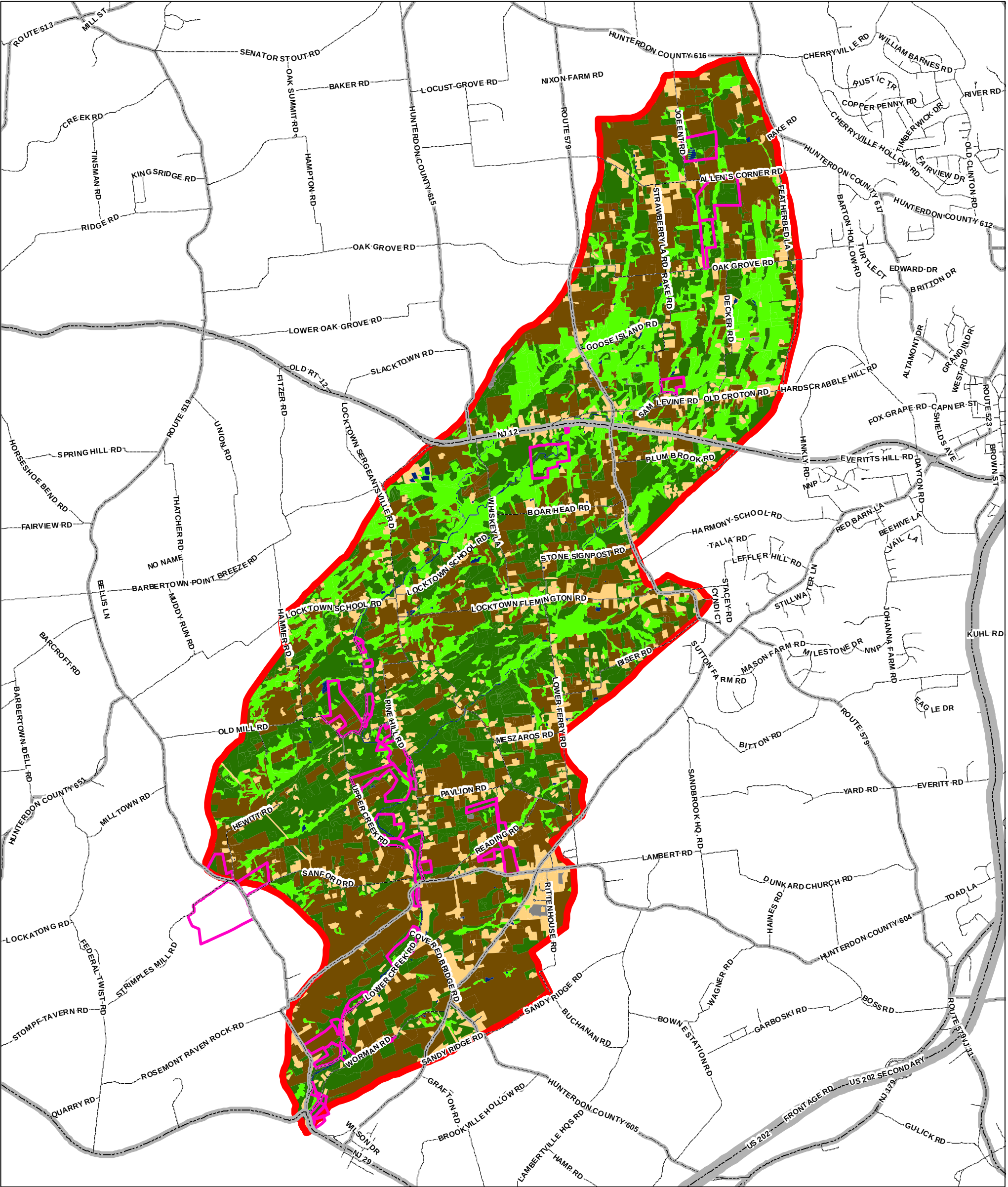
Map 10. Land Cover of the
Wickecheoke Creek Project Area (2007)

0 0.5 1 2 3 4 Miles

Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC

Legend

- Wickecheoke Creek Project Area
- Wickecheoke Creek Preserve
- 2007 Land Use
 - Upland Forest
 - Wetlands (all types)
 - Open Water
 - Agriculture
 - Barren Land
 - Urban



New Jersey Conservation Foundation
Wickecheoke Creek Preserve
Management Plan

Map 11. Preserved Open Space and Farmland
in the Wickecheoke Creek Project Area

Legend

Wickecheoke Creek Project Area

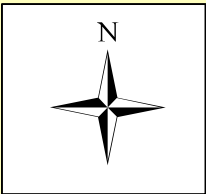
Wickecheoke Creek Preserve

Other Wickecheoke Project Properties

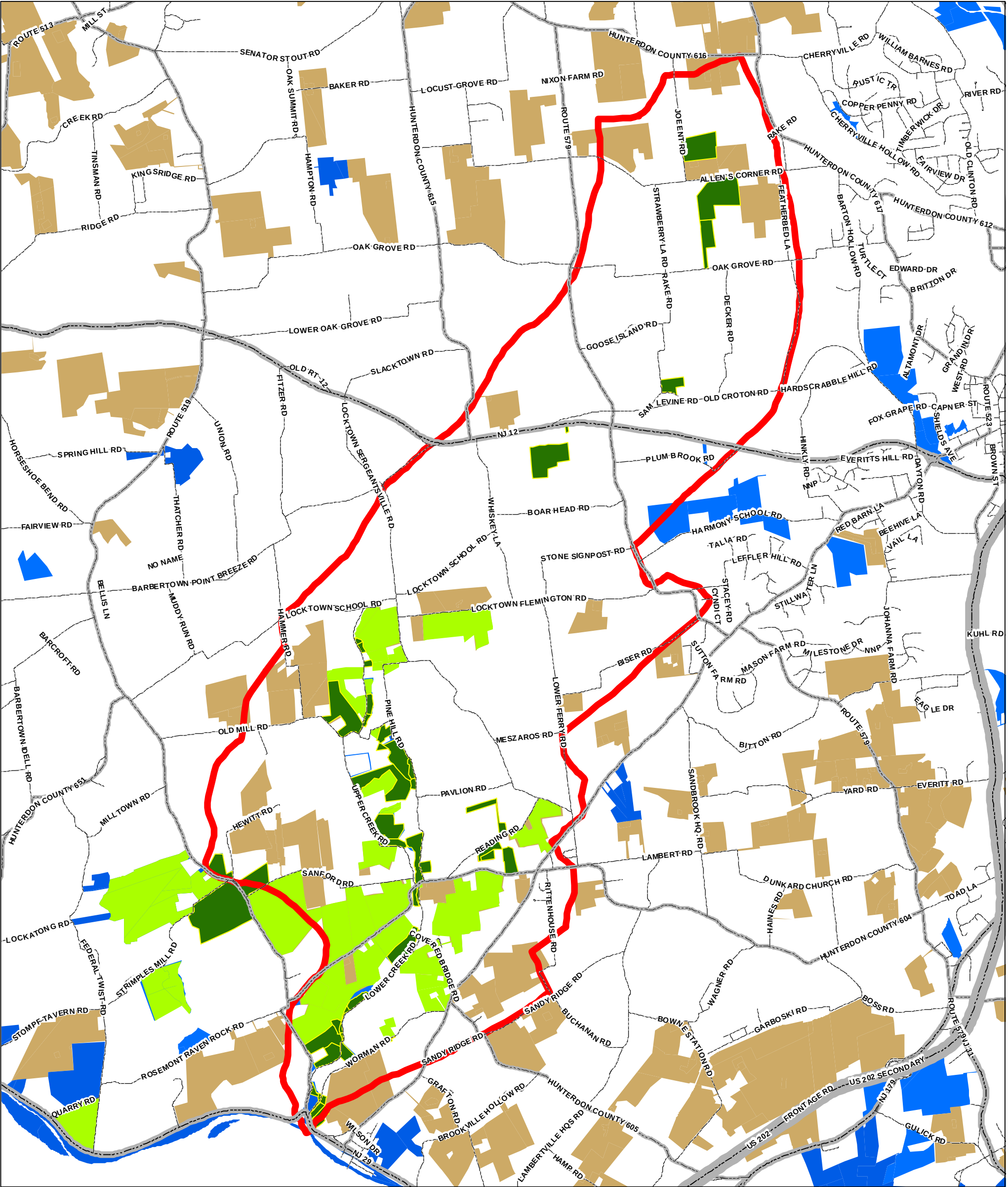
Preserved Farmland

Other Open Space

0 0.5 1 2 3 4 Miles



Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC



New Jersey Conservation Foundation
Wickecheoke Creek Preserve
Management Plan

Map 12. Landscape Project Habitat Patch Ranks
in the Wickecheoke Creek Project Area

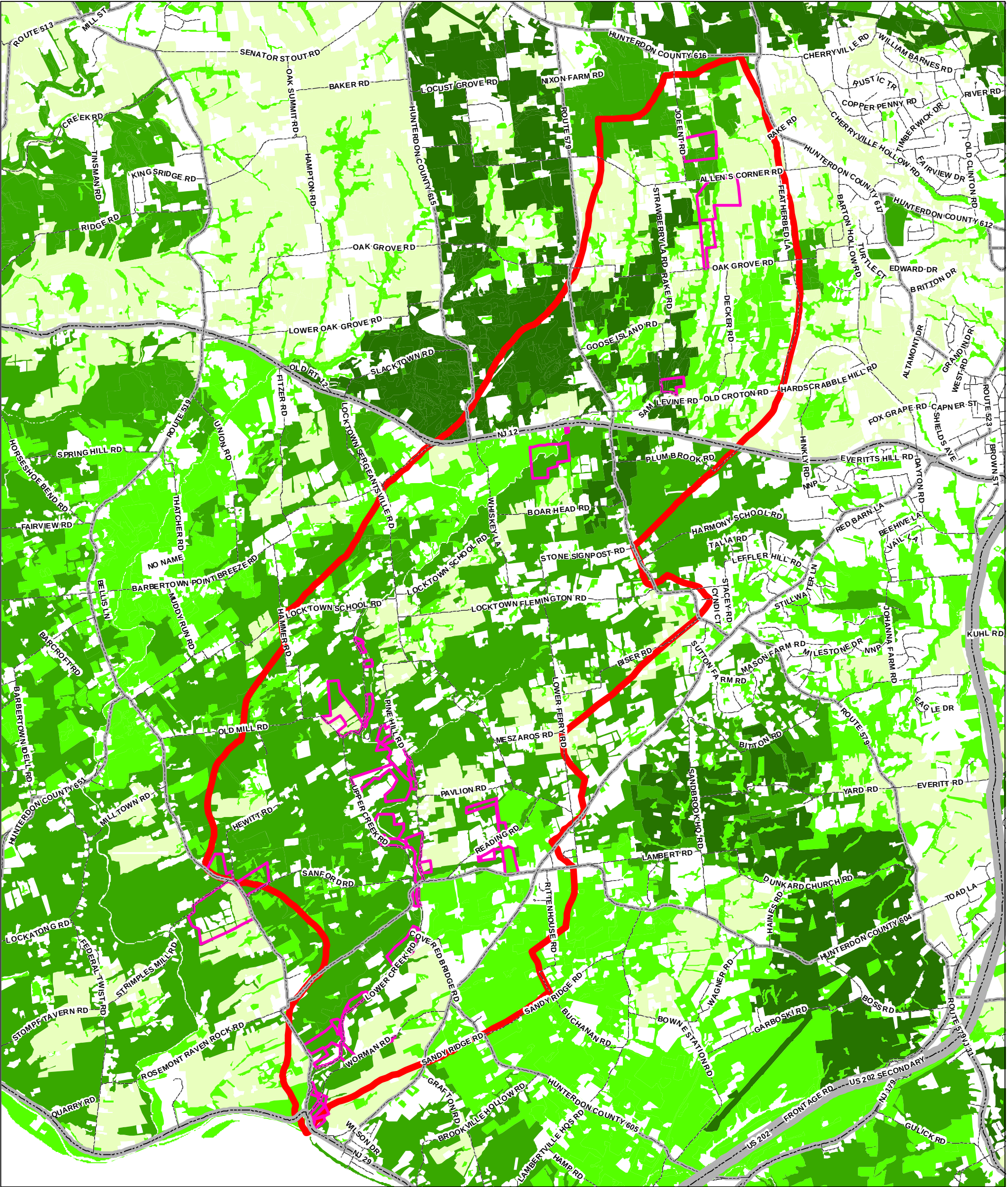
0 0.5 1 2 3 4 Miles

Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC



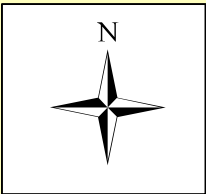
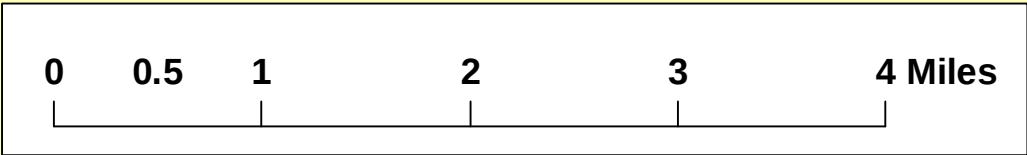
Legend

-  Wickecheoke Creek Project Area
-  Wickecheoke Creek Preserve
- Habitat Patch Ranks**
- 0 No species records
-  1 Meets habitat suitability
-  2 Special Concern / S3
-  3 State Threatened
-  4 State Endangered
-  5 Federally Listed



New Jersey Conservation Foundation
Wickecheoke Creek Preserve
Management Plan

Map 13. Landscape Project Habitat Patch Sizes
in the Wickecheoke Creek Project Area



Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC

Legend

Wickecheoke Creek Project Area

Wickecheoke Creek Preserve

Habitat Patch Sizes

Acres

< 10

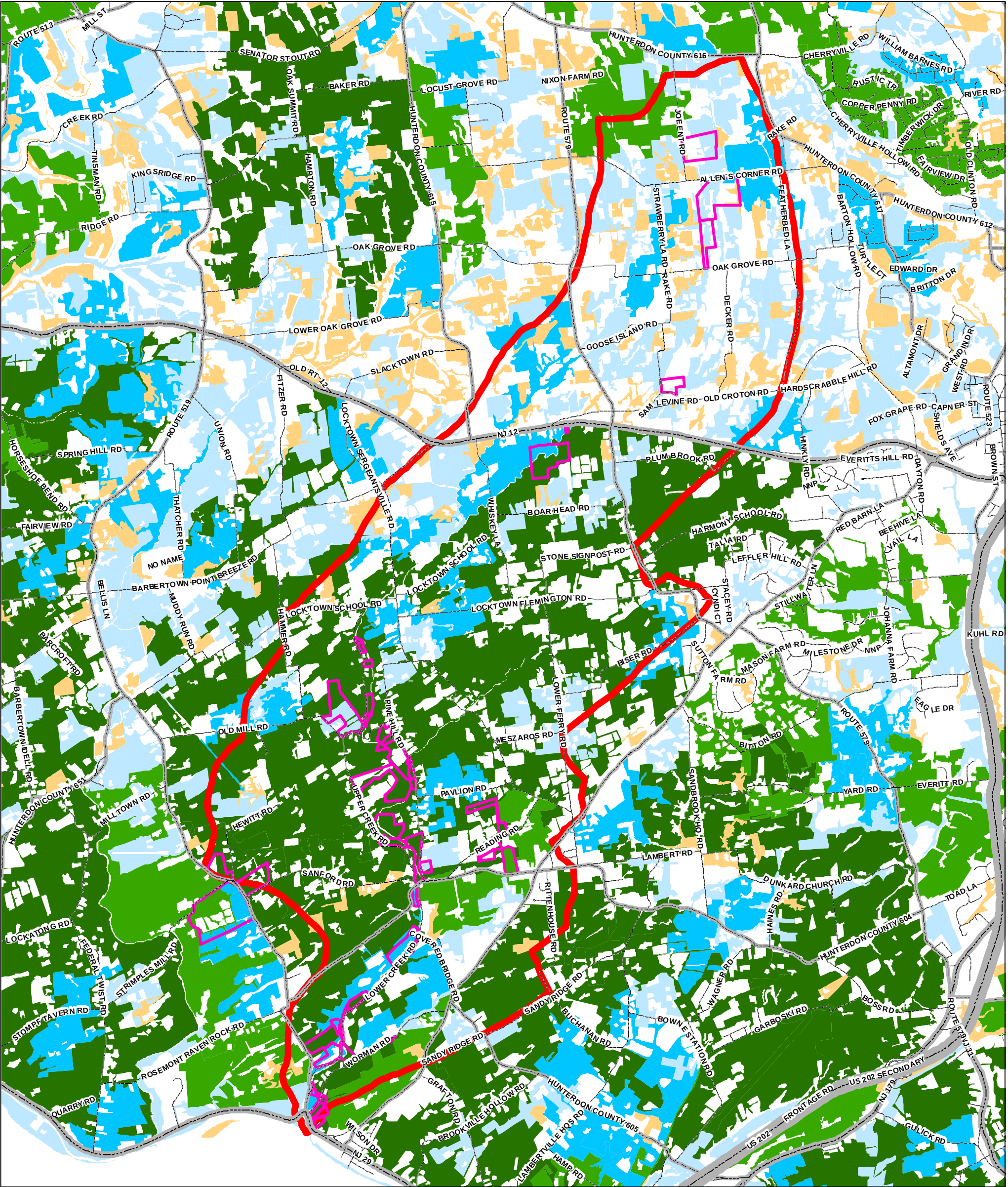
10 - 25

25 - 100

100 - 250

250 - 1000

> 1000



New Jersey Conservation Foundation
Wickecheoke Creek Preserve
Management Plan

Map 14. Natural Heritage Sites and Species Grids
of the Wickecheoke Creek Project Area

Legend

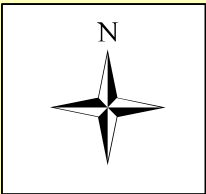
Wickecheoke Creek Project Area

Wickecheoke Creek Preserve

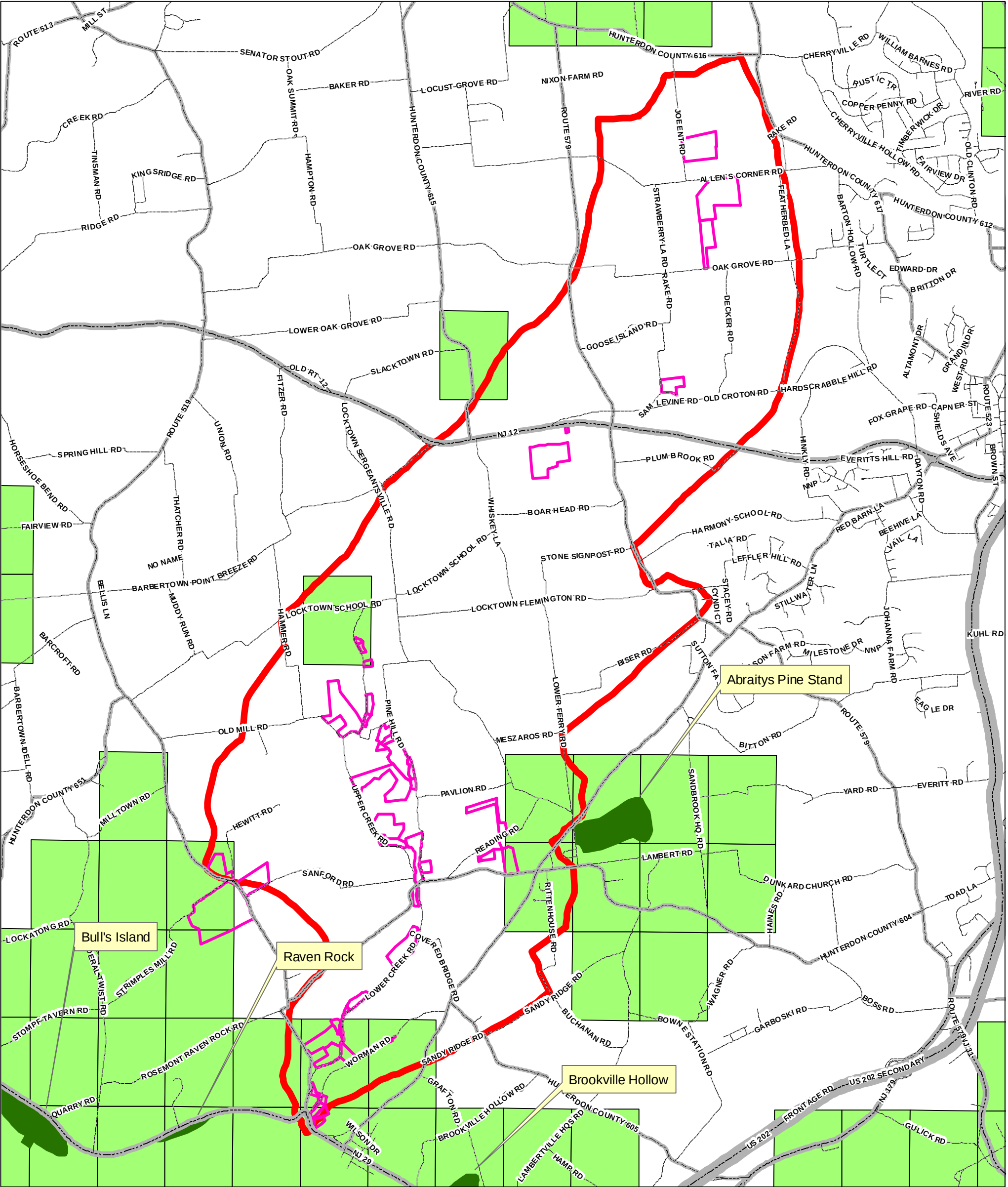
Heritage Sites

Heritage Grids

0 0.5 1 2 3 4 Miles



Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC



New Jersey Conservation Foundation
Wickecheoke Creek Preserve
Management Plan

Map 15. Ecological Communities
at the Wickecheoke Creek Preserve

Legend

Wickecheoke Creek Project Area

Wickecheoke Creek Preserve

Forest Habitat

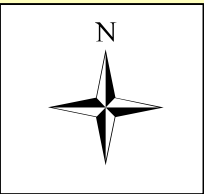
Plantation

Shrubland

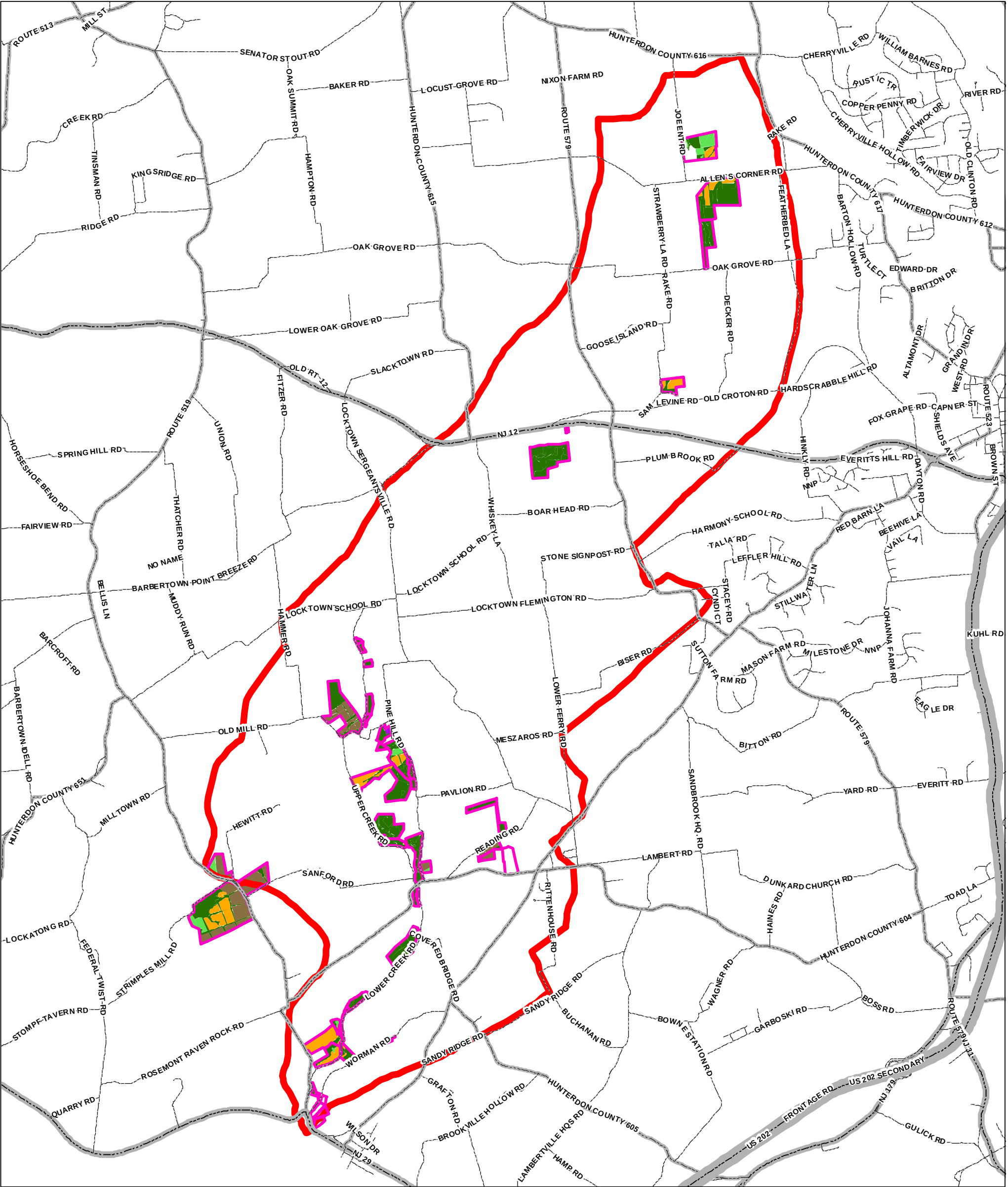
Meadow

Hay

0 0.5 1 2 3 4 Miles



Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC



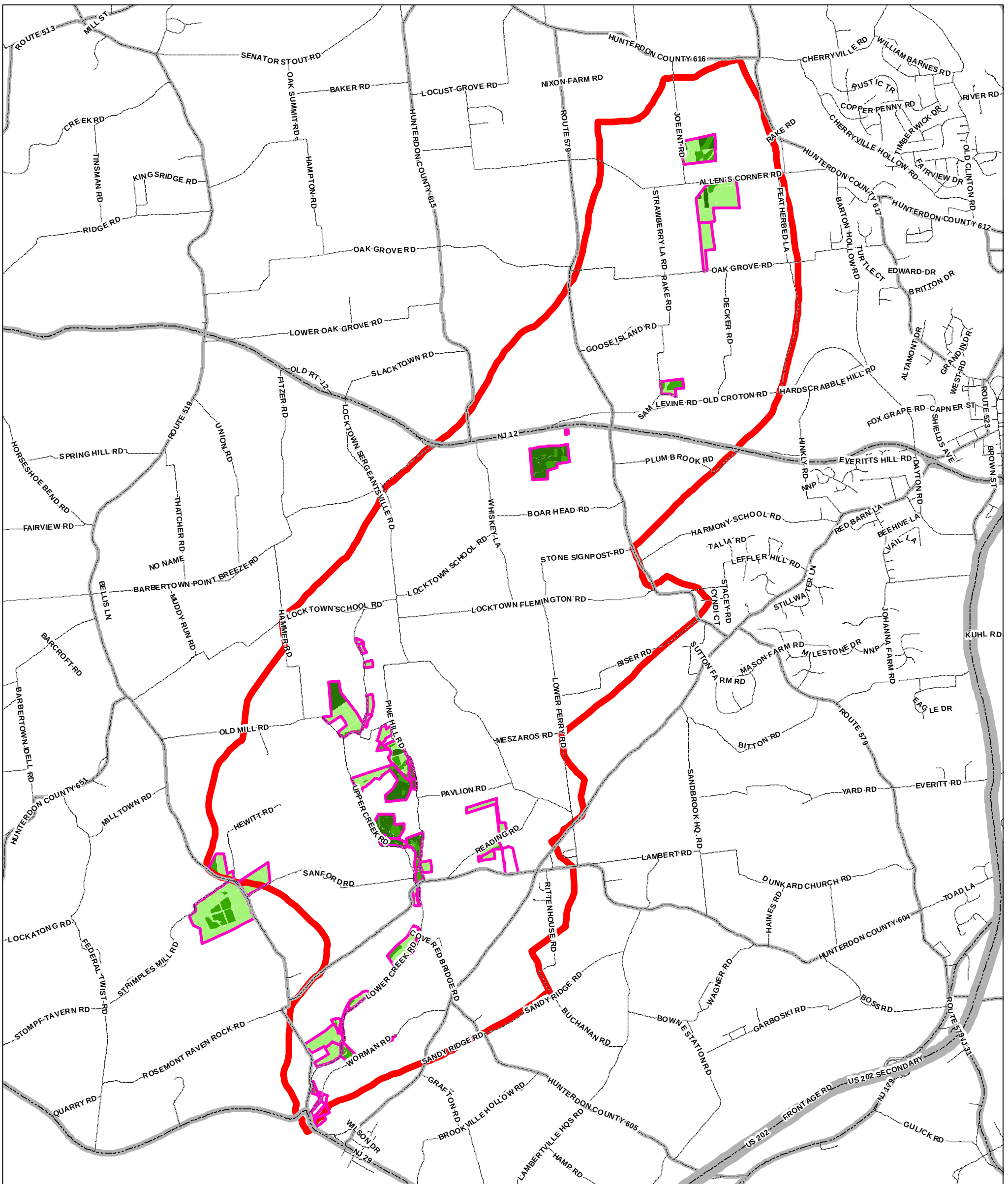
Map 16. Quality Ranks for Ecological Community Patches at the Wickecheoke Creek Preserve

Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC

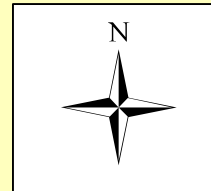
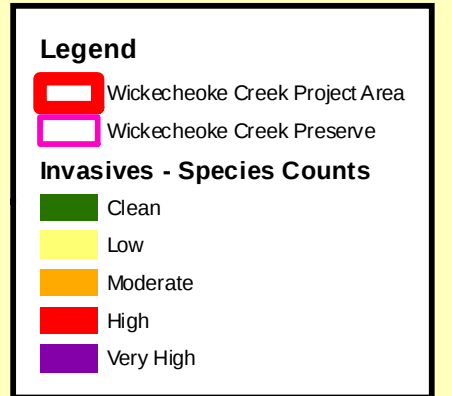
 Wickecheoke Creek Project Area
 Wickecheoke Creek Preserve

Forest Habitat Quality Rank

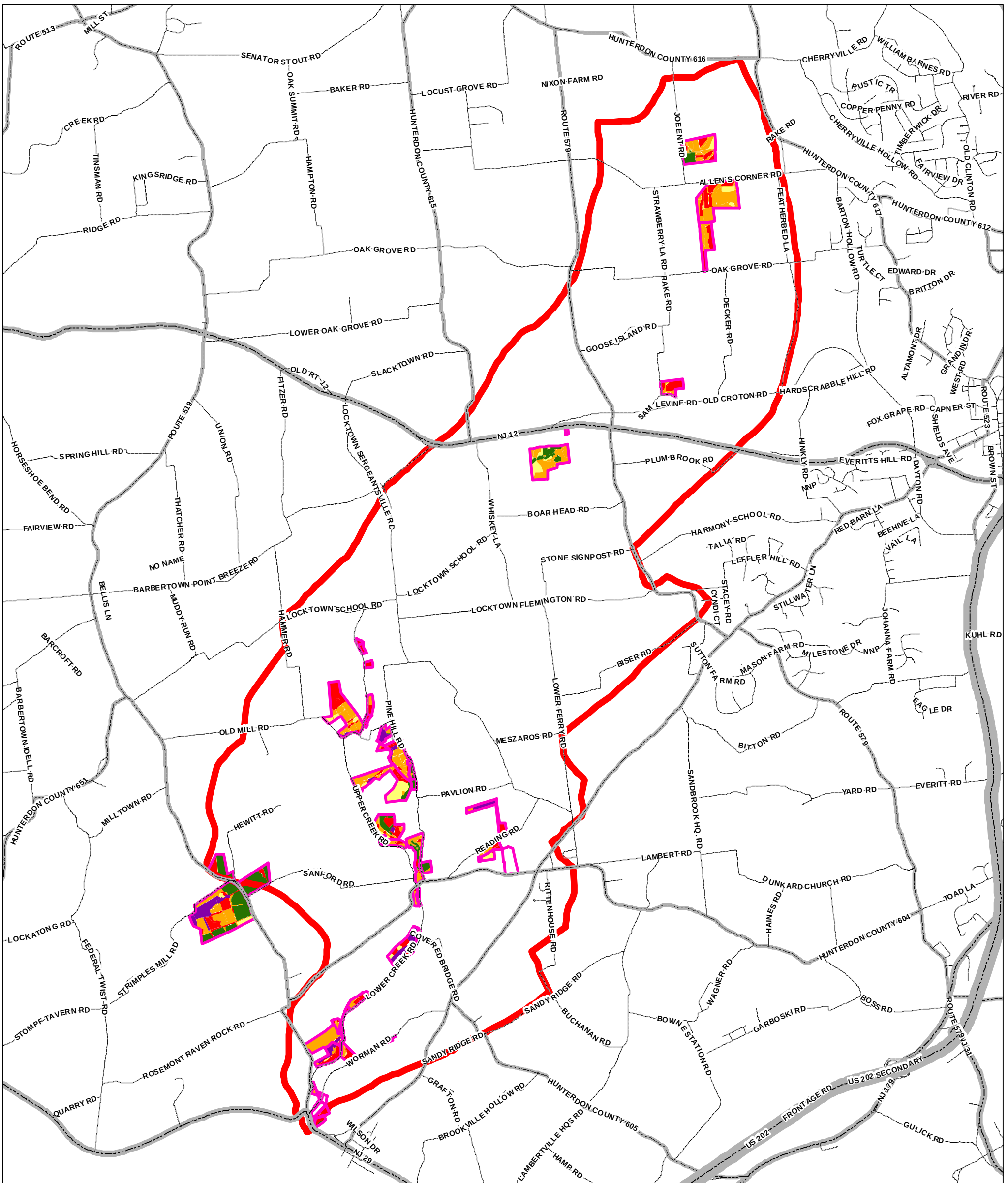
 High
 Moderate
 Low



Map 17. Number of Invasive Species Per Mapped Patch at the Wickecheoke Creek Preserve



Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC



New Jersey Conservation Foundation
Wickecheoke Creek Preserve
Management Plan

Map 18. Invasive Infestation Categories Per Mapped Patch
at the Wickecheoke Creek Preserve

0 0.5 1 2 3 4 Miles

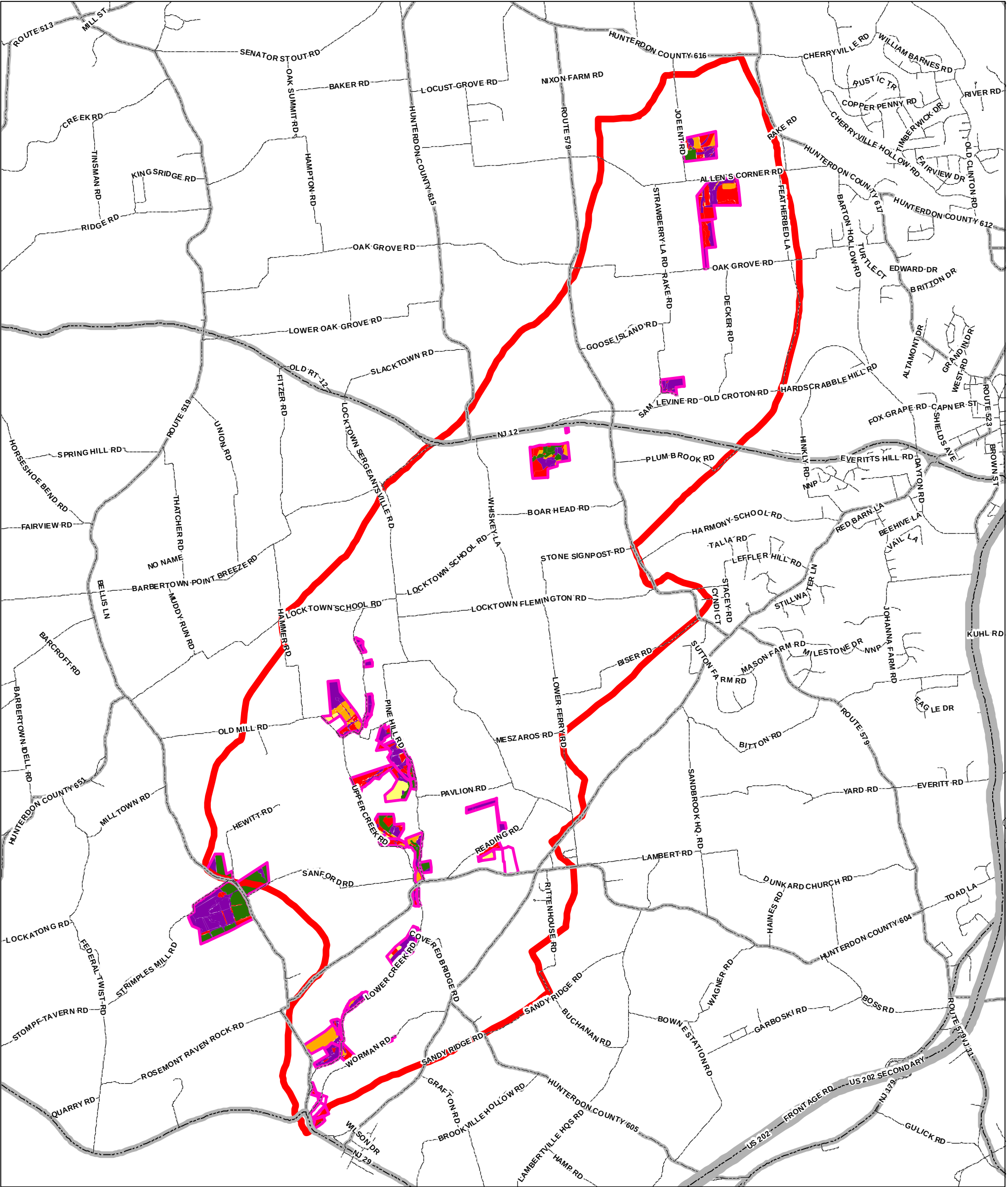
Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC

Legend

- Wickecheoke Creek Project Area
- Wickecheoke Creek Preserve

Invasives - Combined Infestations

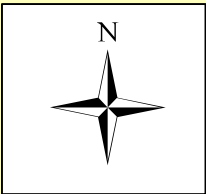
- Clean
- Low
- Moderate
- High
- Very High



New Jersey Conservation Foundation
Wickecheoke Creek Preserve
Management Plan

Map 19. Emerging Invasive Species Locations
at the Wickecheoke Creek Preserve

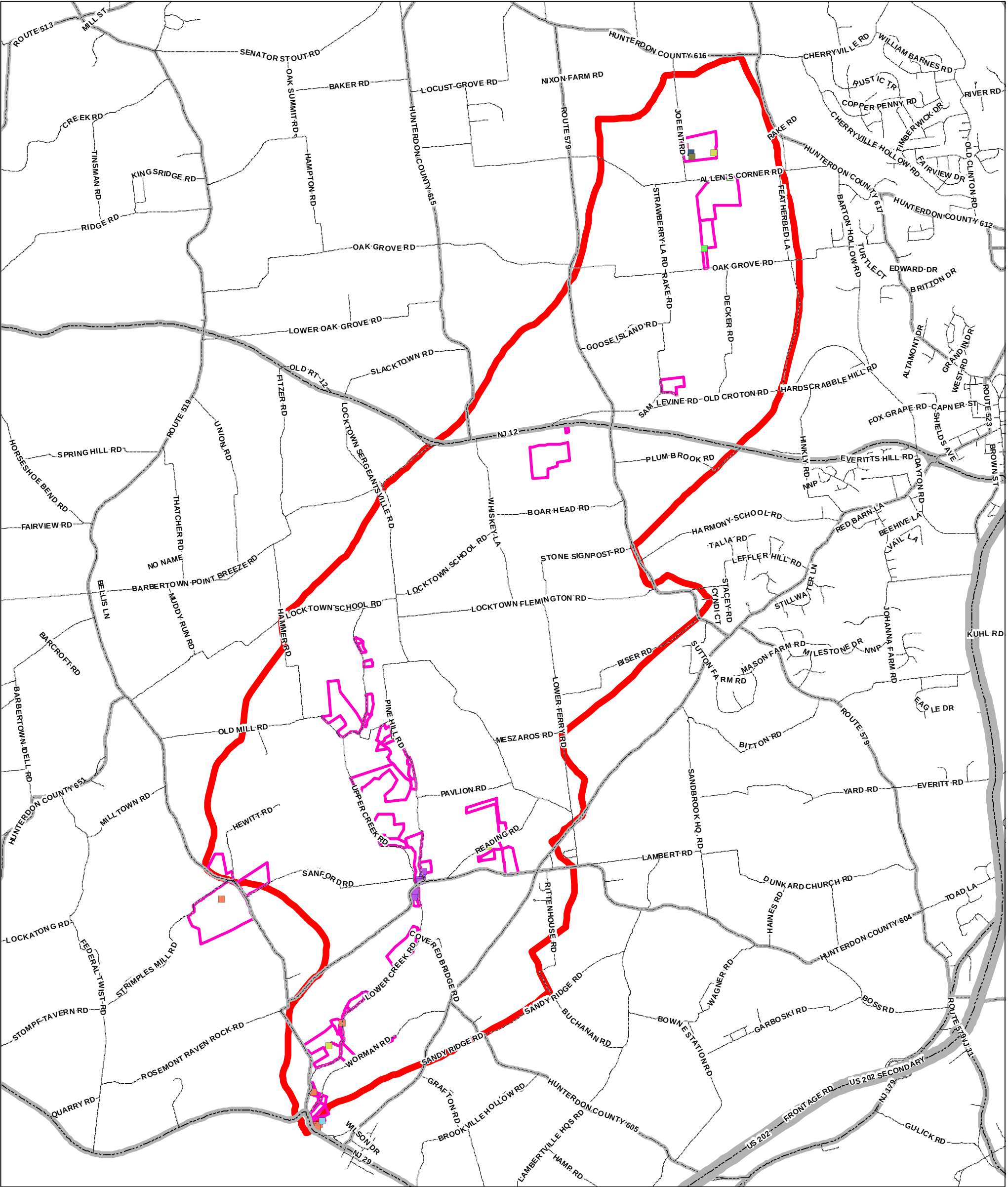
0 0.5 1 2 3 4 Miles



Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC

Legend

- Wickecheoke Creek Project Area
- Wickecheoke Creek Preserve
- Emerging Invasive Species**
 - Chinese Yam
 - Wintercreeper
 - English Ivy
 - Bighead Carp
 - Chinese Silvergrass
 - Callery Pear
 - Viburnum Leaf Beetle
 - Chinese Pondmussel
 - Japanese Wisteria



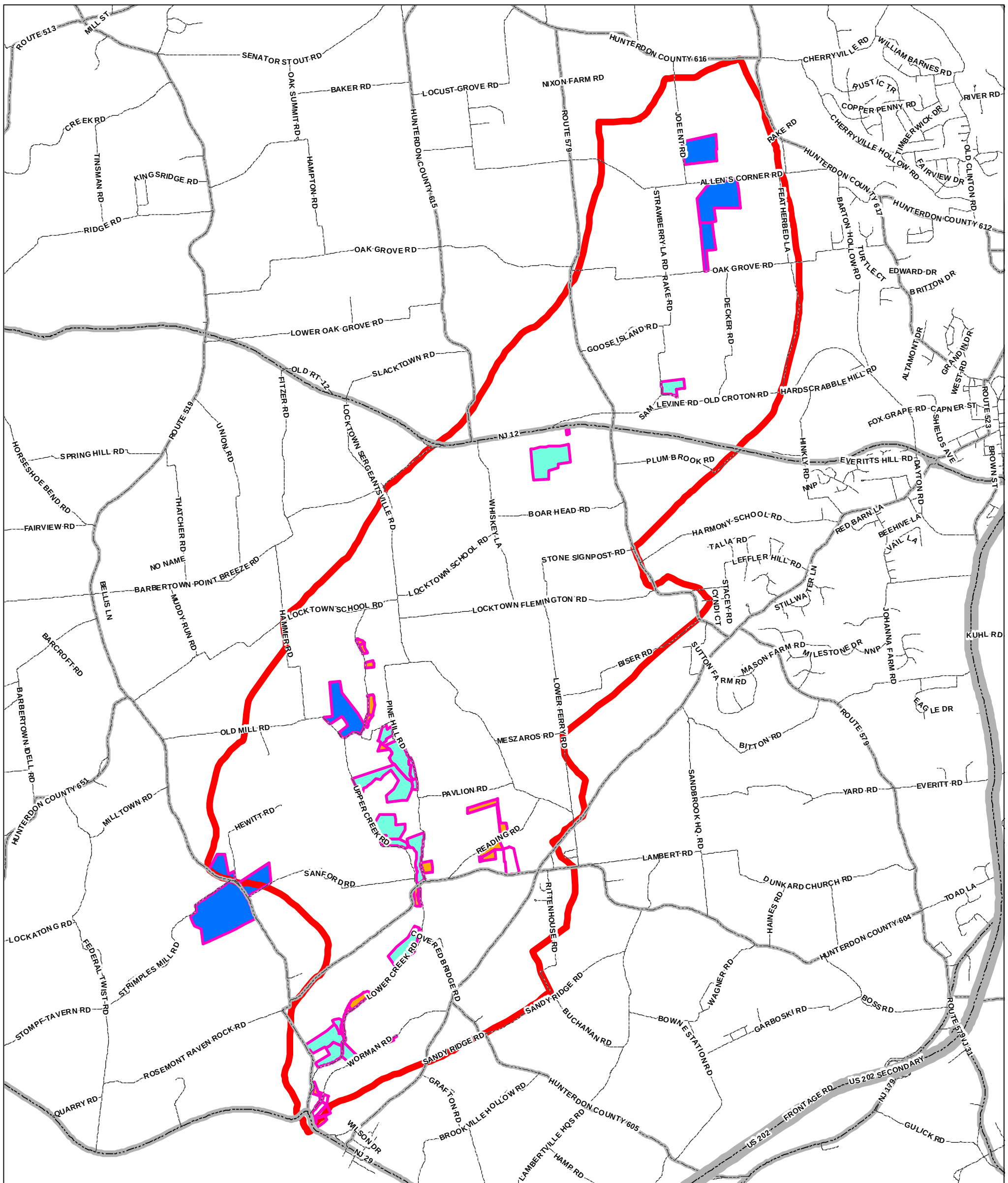
Map 20. NJCF Deer Hunting Program Areas (2009-2010)

Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC

- Wickecheoke Creek Project Area
- Wickecheoke Creek Preserve

Preserve Hunting Status

- NJCF Lead
- UBNJ Lead
- None



New Jersey Conservation Foundation
Wickecheoke Creek Preserve
Management Plan

Map 21. Recreational Trails and Access
at the Wickecheoke Creek Project Area

0 0.5 1 2 3 4 Miles

Map prepared by Michael Van Clef, Ph.D., Ecological Solutions, LLC



Legend

- Wickecheoke Creek Project Area
- Wickecheoke Creek Preserve
- Public Access
- Proposed Regional Trail System
- Current Trails with GIS Coverage
- Stream Crossing Points
- Locktown Stone Church

