

APPENDIX A: SUPPORTING FIGURES

This appendix includes all figures referenced in the document which include:

Figure A-1: City of Kinston Comprehensive Transportation Plan

Figure A-2: Other transportation improvement projects in the vicinity of the project

Figure A-3: Location of anticipated service roads

Figure A-4: Terrestrial communities

Figure A-5: Jurisdictional streams

Figure A-6: Jurisdictional wetlands

Figure A-7: Soils

Figure A-8: Historic architectural resources

Figure A-9: Community context map

Figure A-10: Zoning

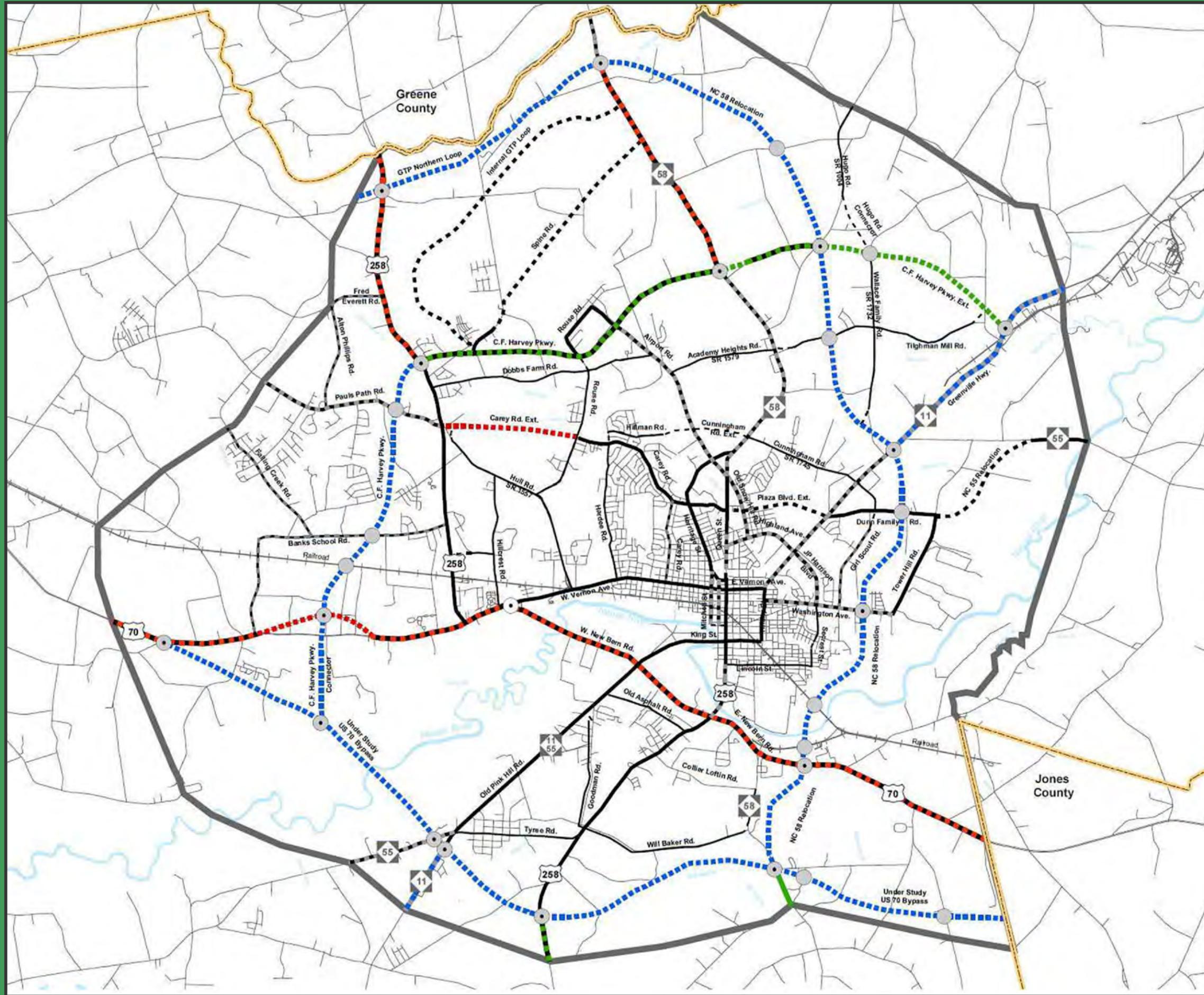
Figure A-11: Flood hazard areas

Figure A-12: Traffic noise receptors with potential impacts

Figure A-13: Hazardous materials

Legend

- Freeways**
 - Existing
 - Needs Improvement
 - Recommended
- Expressways**
 - Existing
 - Needs Improvement
 - Recommended
- Boulevards**
 - Existing
 - Needs Improvement
 - Recommended
- Other Major Thoroughfares**
 - Existing
 - Needs Improvement
 - Recommended
- Minor Thoroughfares**
 - Existing
 - Needs Improvement
 - Recommended
- Existing Interchange
- Proposed Interchange
- Existing Grade Separation
- Proposed Grade Separation



This map is for reference only.
Sources: Kinston Comprehensive Transportation Plan

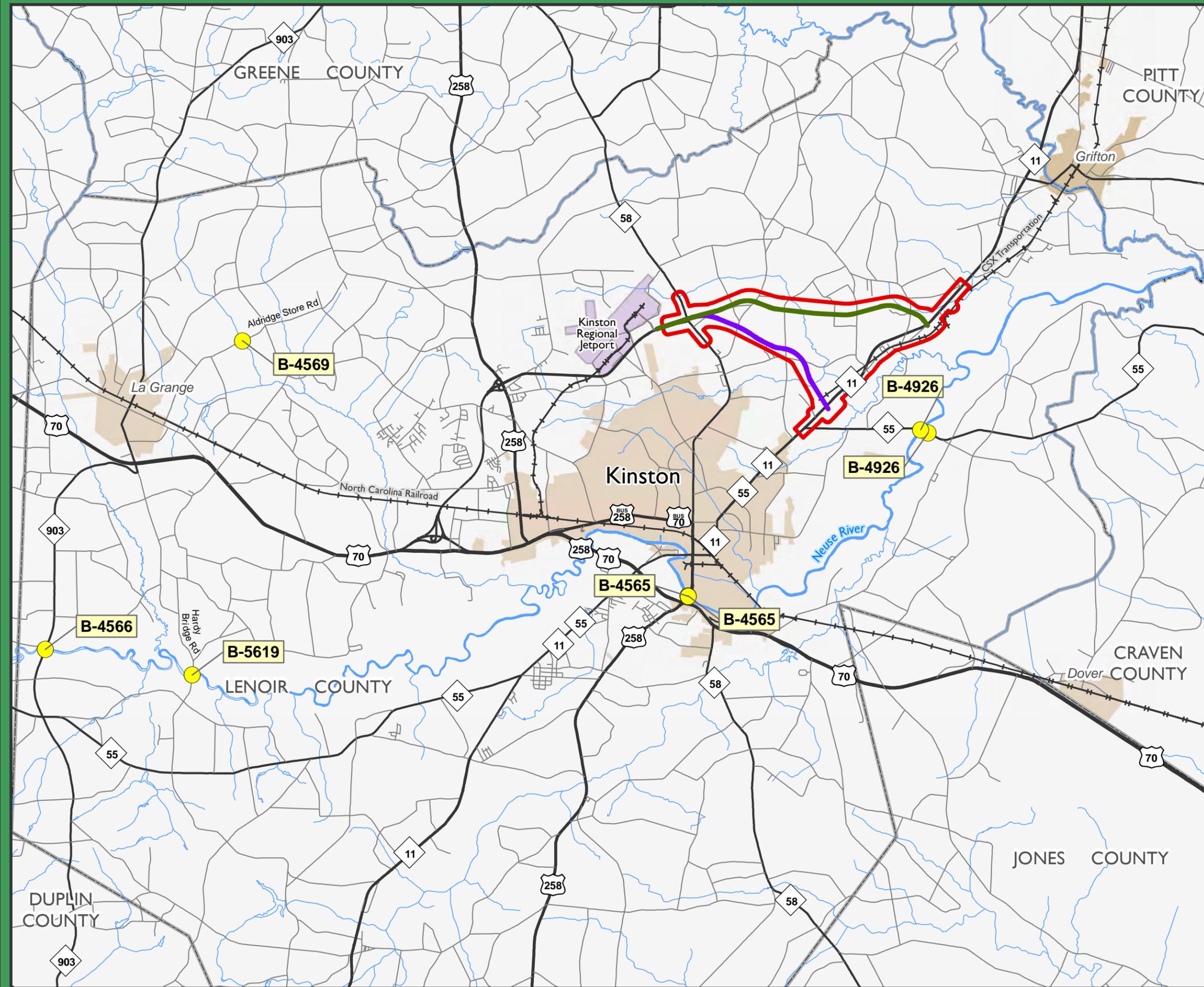


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Legend

-  Study Area
-  Alternative 1
-  Alternative 2
-  STIP Projects
-  US Highway
-  NC Highway
-  State Road
-  Railroad
-  County
-  Kinston Regional Jetport
-  Municipal Area
-  Water



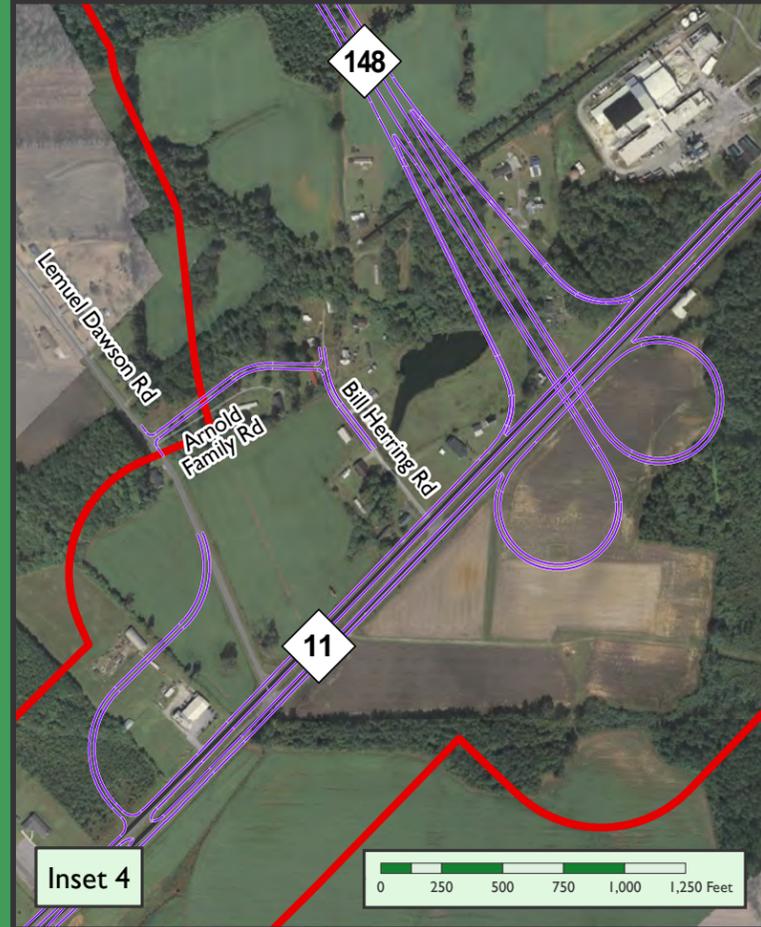
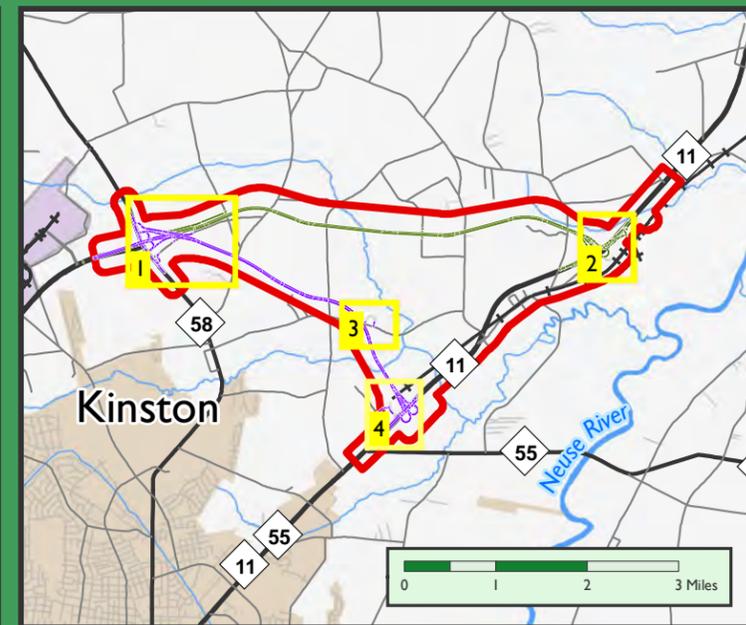
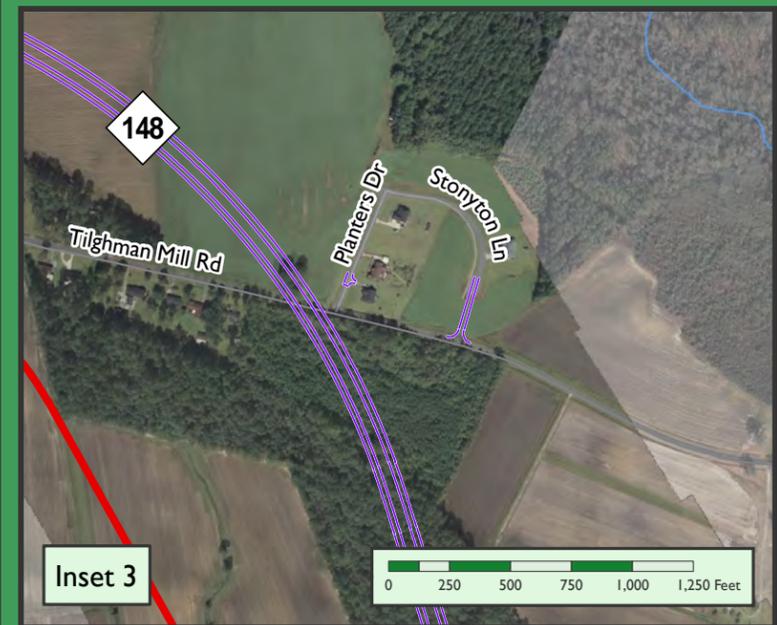
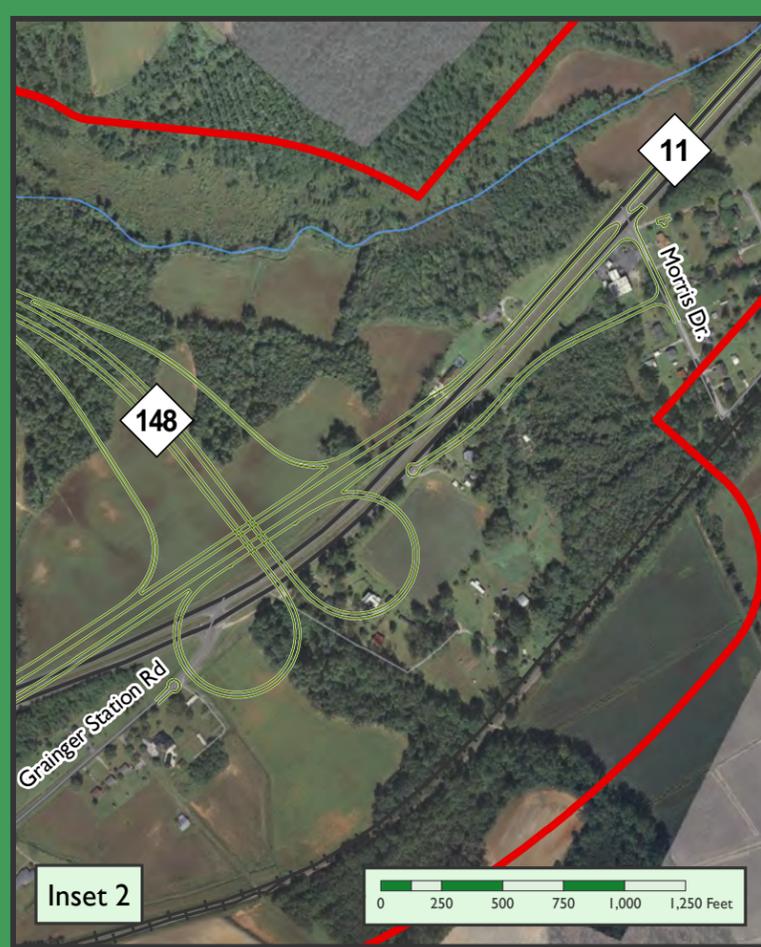


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Figure A-3 Location of Anticipated Service Roads

Legend

-  Study Area
-  Edge of Pavement (Alternative 1)
-  Edge of Pavement (Alternative 2)
-  NC Highway
-  State Road
-  Local Road
-  Railroad
-  Kinston Regional Jetport
-  Municipal Area
-  Water



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDOT, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.

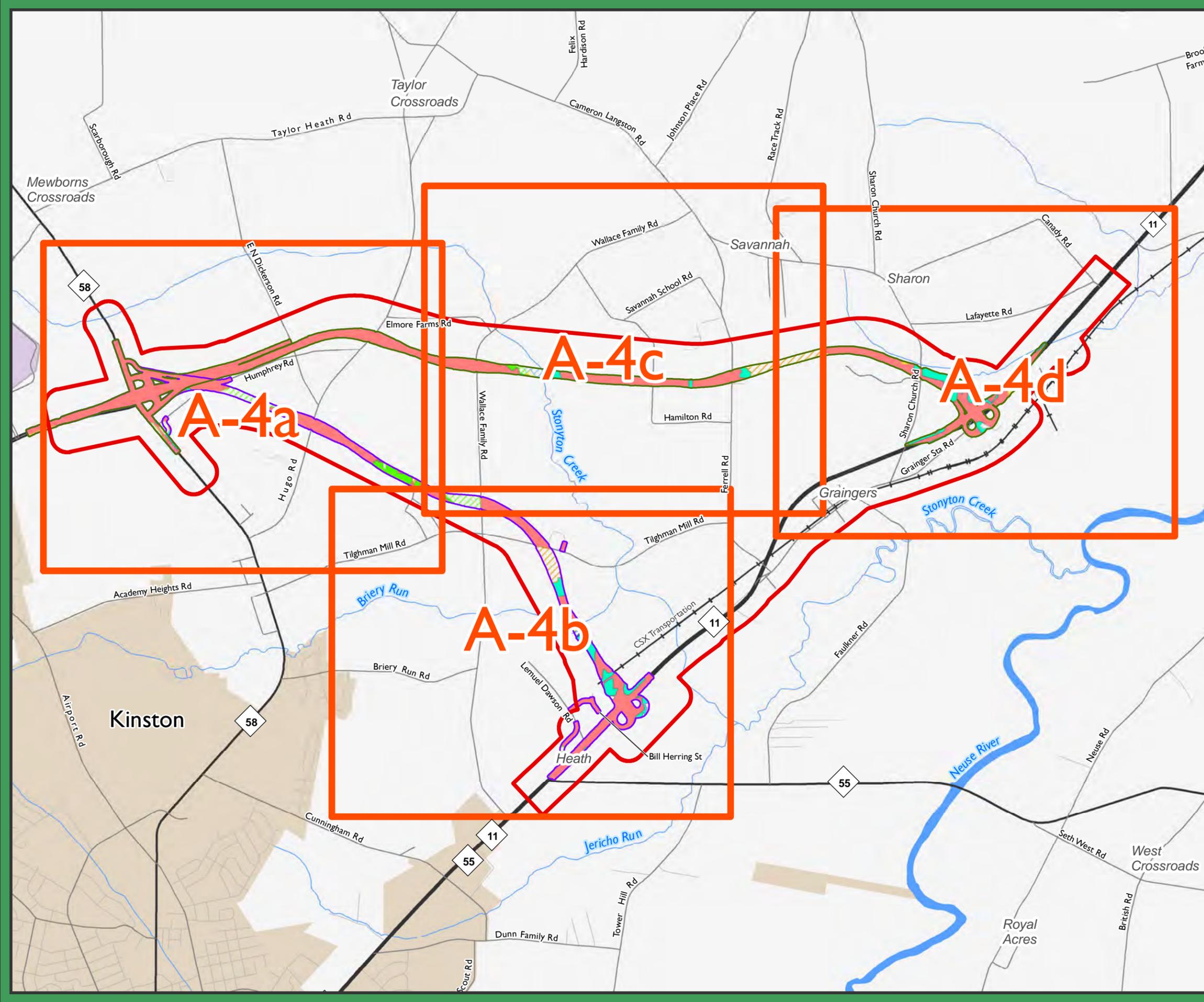


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Legend

-  Study Area
-  Alternative 1 (Slope Stakes +40')
-  Alternative 2 (Slope Stakes +40')
-  NC Highway
-  State Road
-  Local Road
-  Railroad
-  Kinston Regional Jetport
-  Municipal Area
-  Water
-  Bottomland Hardwood Forest
-  Hardwood Flat
-  Hardwood Flat, Clearcut
-  Headwater Forest
-  Non-tidal Freshwater Marsh
-  Pine Flat
-  Pine Flat, Clearcut
-  Pine Flat, Loblolly Pine Plantation
-  Riverine Swamp Forest
-  Seep
-  Loblolly Pine Plantation
-  Maintained/ Disturbed
-  Mesic Mixed Hardwood Forest



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCs, Lenoir County, USFWS, EPA, USDA, NCDCM, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.



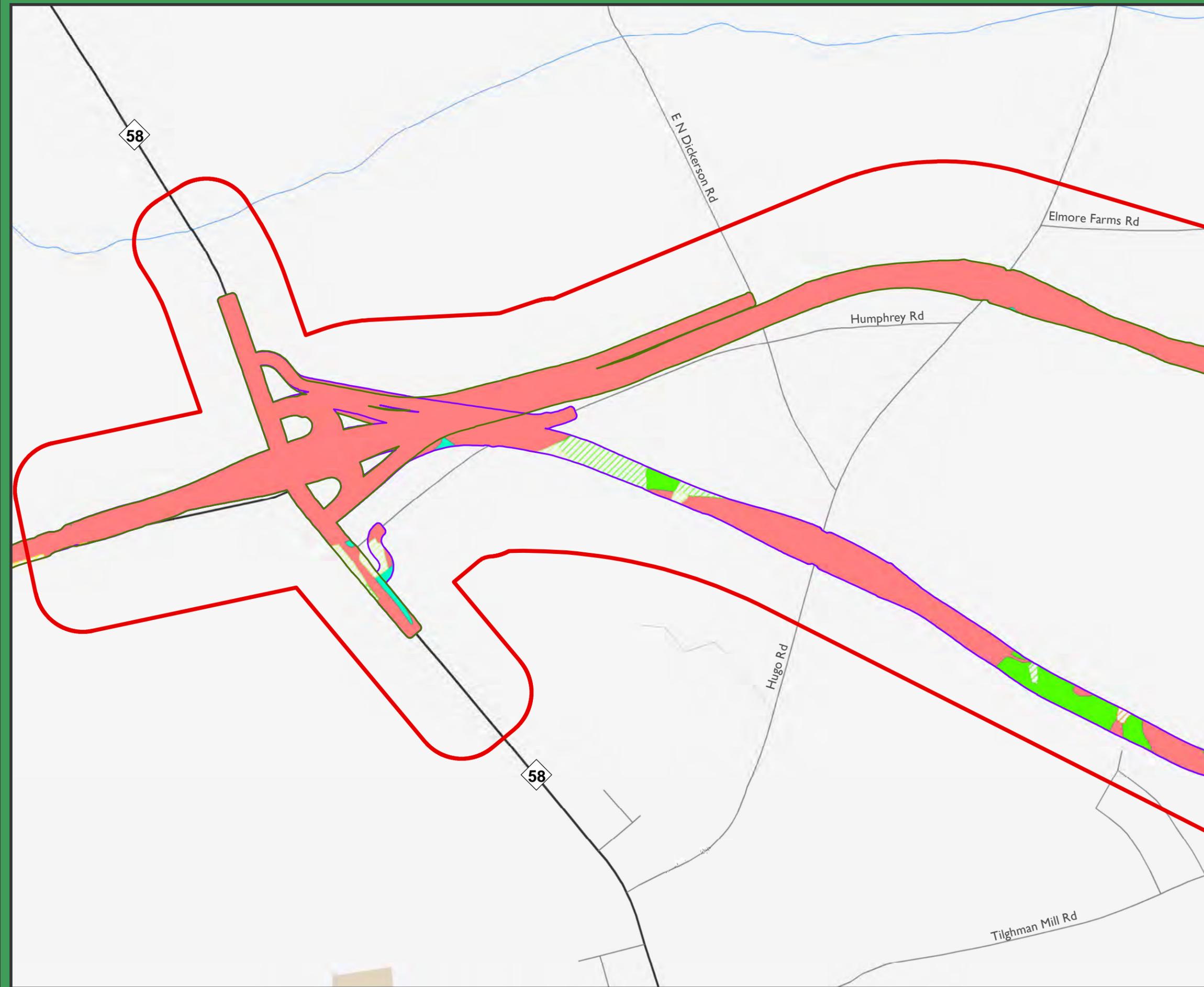
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Figure A-4a
Terrestrial Communities



Legend

- Study Area
- Alternative 1 (Slope Stakes +40')
- Alternative 2 (Slope Stakes +40')
- NC Highway
- State Road
- Local Road
- Municipal Area
- Water
- Hardwood Flat
- Non-tidal Freshwater Marsh
- Pine Flat
- Pine Flat, Clearcut
- Pine Flat, Loblolly Pine Plantation
- Loblolly Pine Plantation
- Maintained/ Disturbed
- Mesic Mixed Hardwood Forest



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDOT, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.

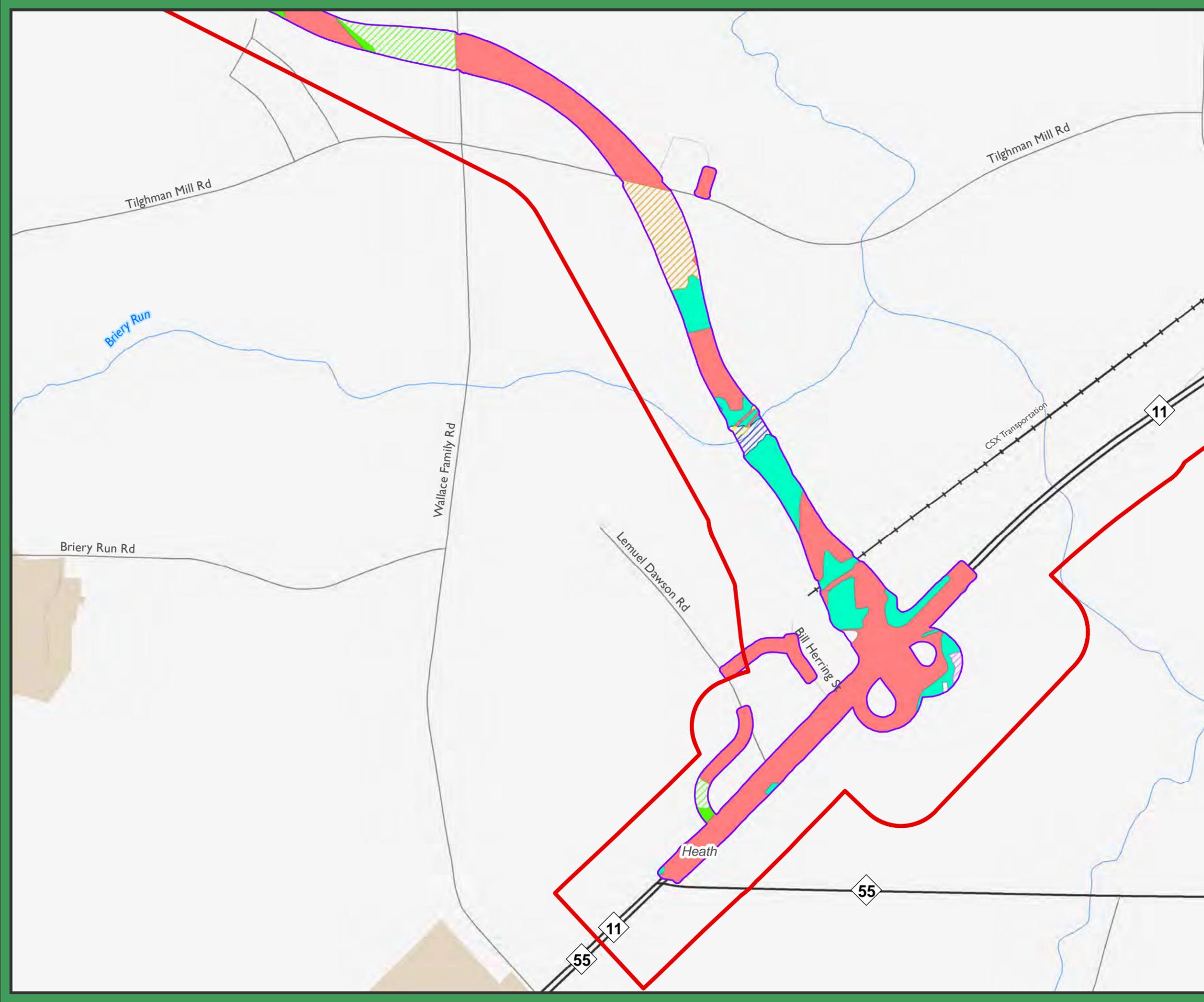


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Legend

-  Study Area
-  Alternative I (Slope Stakes +40')
-  NC Highway
-  State Road
-  Local Road
-  Railroad
-  Municipal Area
-  Water
-  Bottomland Hardwood Forest
-  Hardwood Flat
-  Non-tidal Freshwater Marsh
-  Pine Flat, Loblolly Pine Plantation
-  Seep
-  Loblolly Pine Plantation
-  Maintained/ Disturbed
-  Mesic Mixed Hardwood Forest



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Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDCM, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.

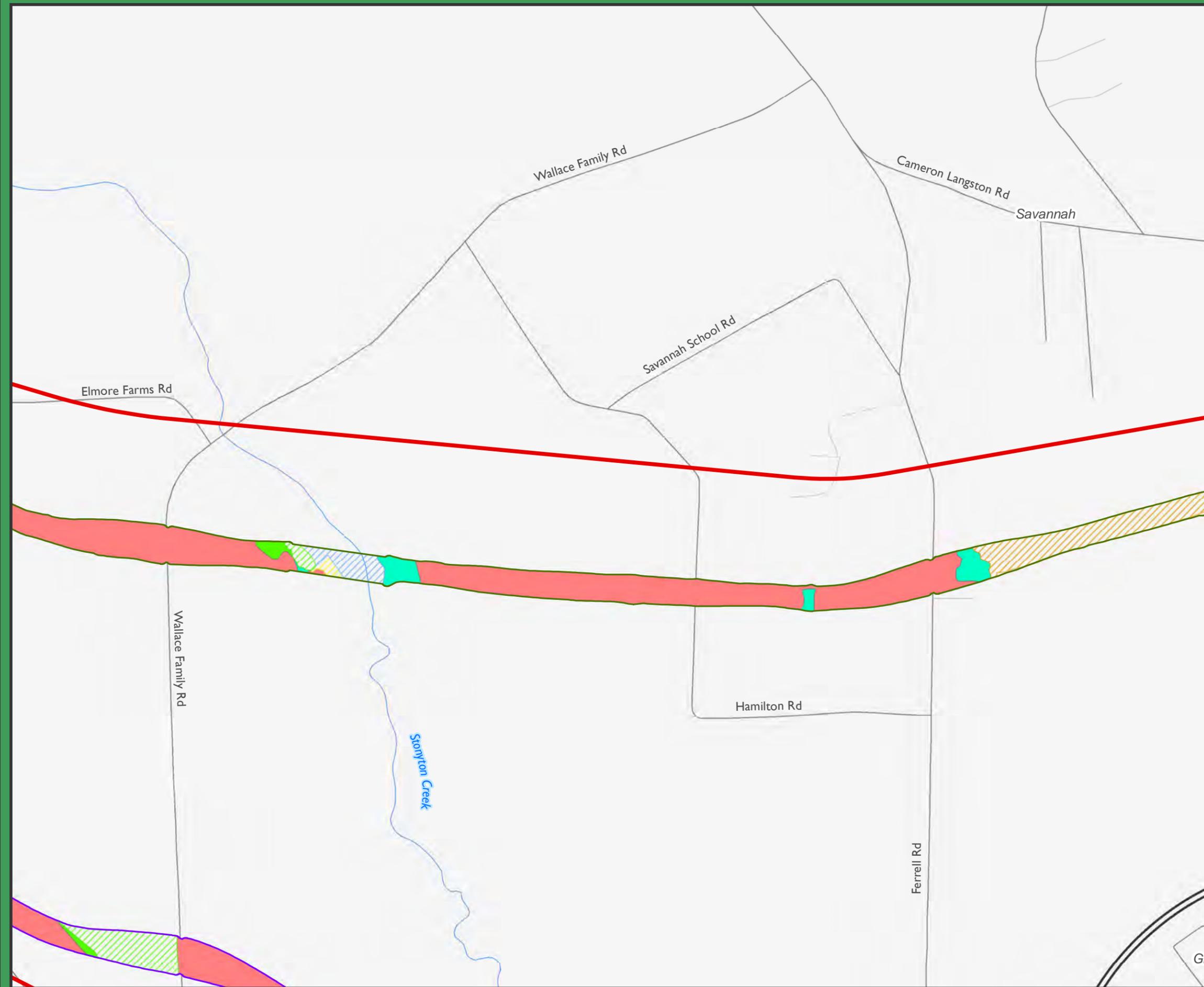


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Legend

-  Study Area
-  Alternative 1 (Slope Stakes +40')
-  Alternative 2 (Slope Stakes +40')
-  NC Highway
-  State Road
-  Local Road
-  Water
-  Hardwood Flat
-  Hardwood Flat, Clearcut
-  Non-tidal Freshwater Marsh
-  Pine Flat, Loblolly Pine Plantation
-  Riverine Swamp Forest
-  Loblolly Pine Plantation
-  Maintained/ Disturbed
-  Mesic Mixed Hardwood Forest



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDCM, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.

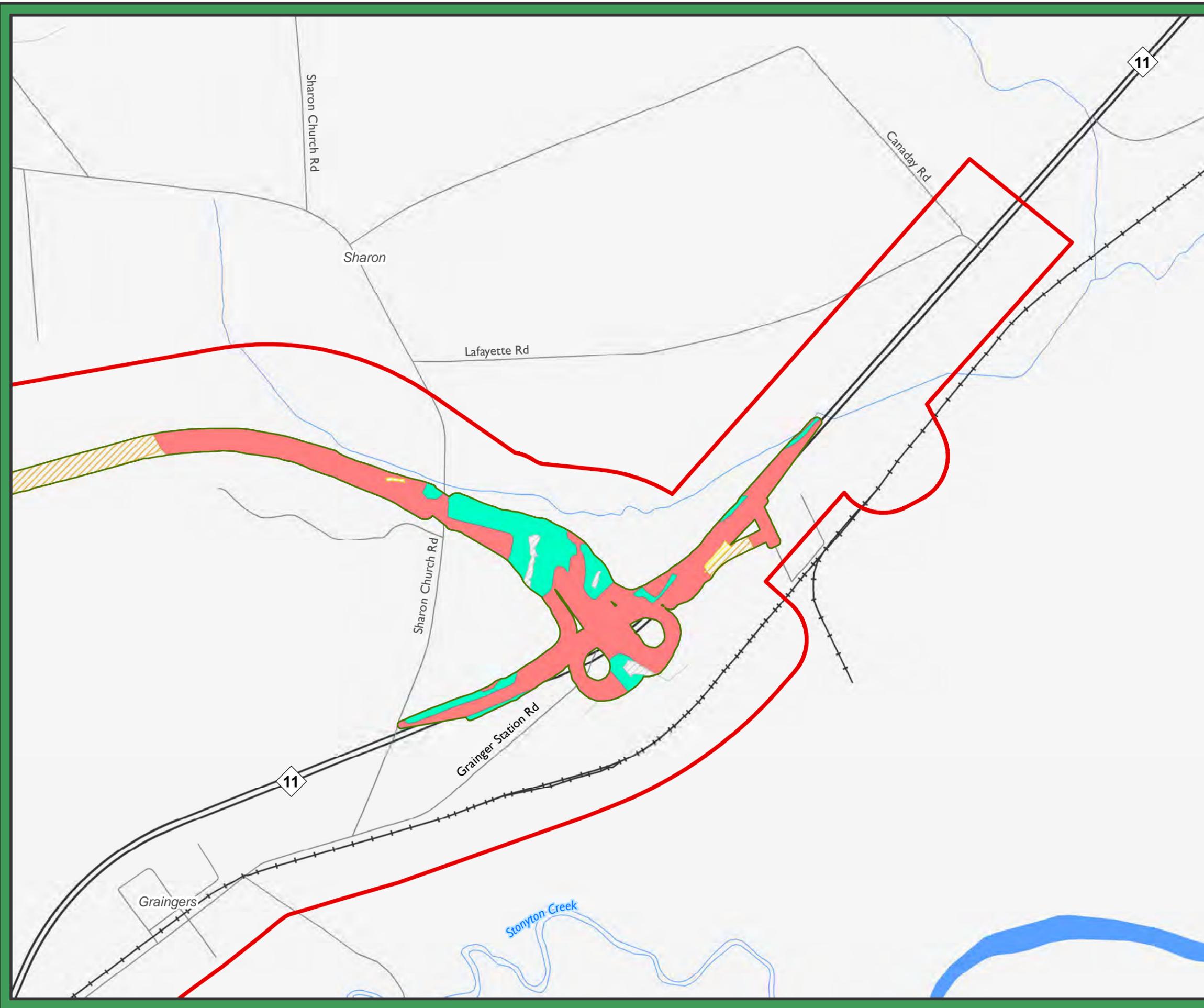


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Legend

-  Study Area
-  Alternative 2 (Slope Stakes +40')
-  NC Highway
-  State Road
-  Local Road
-  Railroad
-  Water
-  Hardwood Flat
-  Hardwood Flat, Clearcut
-  Headwater Forest
-  Non-tidal Freshwater Marsh
-  Maintained/ Disturbed
-  Mesic Mixed Hardwood Forest



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDCM, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.



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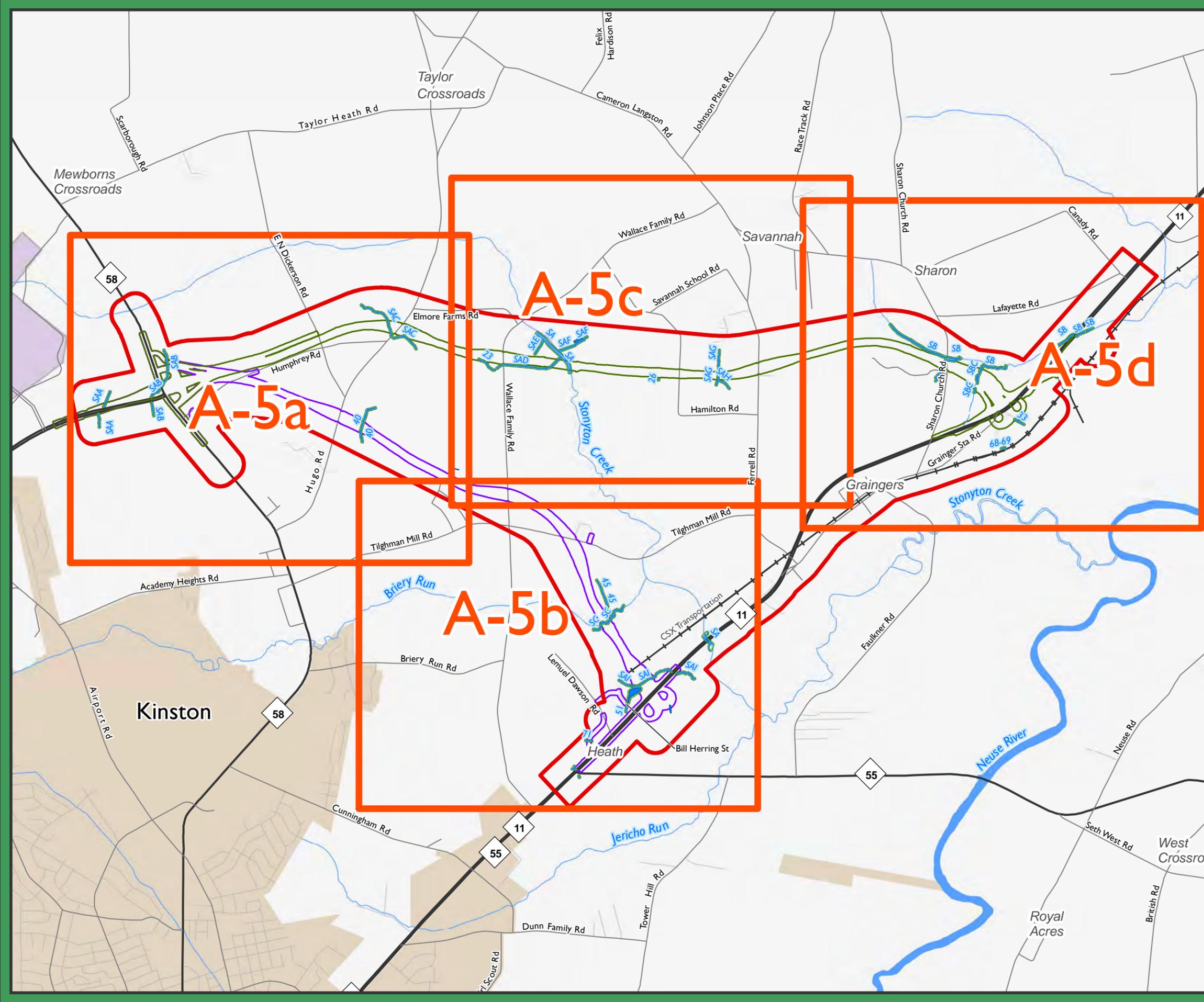


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Figure A-5 Jurisdictional Streams

Legend

-  Study Area
-  Alternative 1 (Slope Stakes +40')
-  Alternative 2 (Slope Stakes +40')
-  NC Highway
-  State Road
-  Local Road
-  Railroad
-  Kinston Regional Jetport
-  Municipal Area
-  Jurisdictional Stream
-  Ephemeral Channel
-  Delineated Pond
-  Neuse River Buffer - Zone 1
-  Neuse River Buffer - Zone 2
-  Water



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCs, Lenoir County, USFWS, EPA, USDA, NCDRCM, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.



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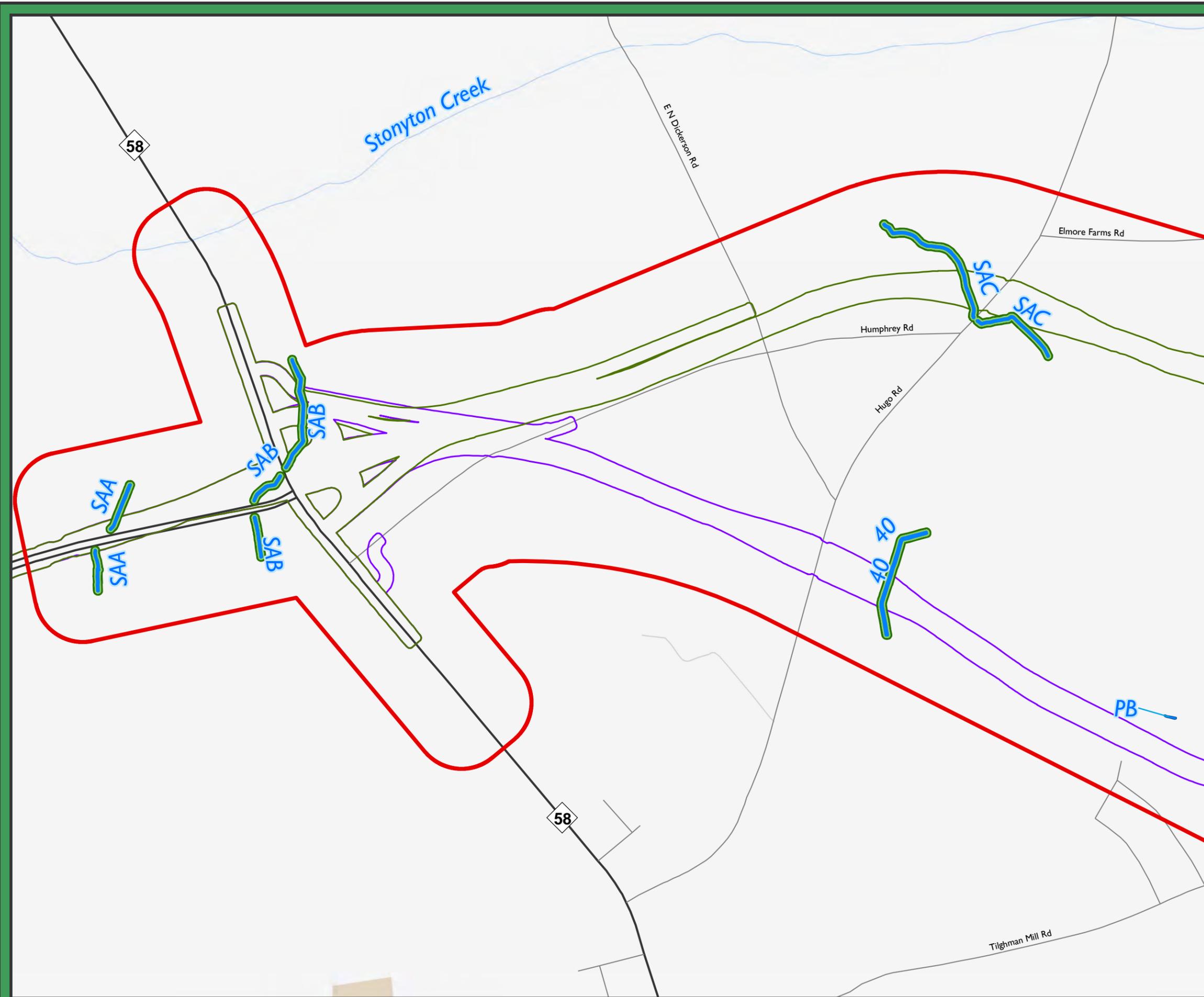


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Figure A-5a Jurisdictional Streams

Legend

-  Study Area
-  Alternative 1 (Slope Stakes +40')
-  Alternative 2 (Slope Stakes +40')
-  NC Highway
-  State Road
-  Local Road
-  Jurisdictional Stream
-  Delineated Pond
-  Neuse River Buffer - Zone 1
-  Neuse River Buffer - Zone 2
-  Stream



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDCM, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.



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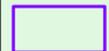
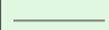
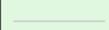
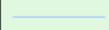


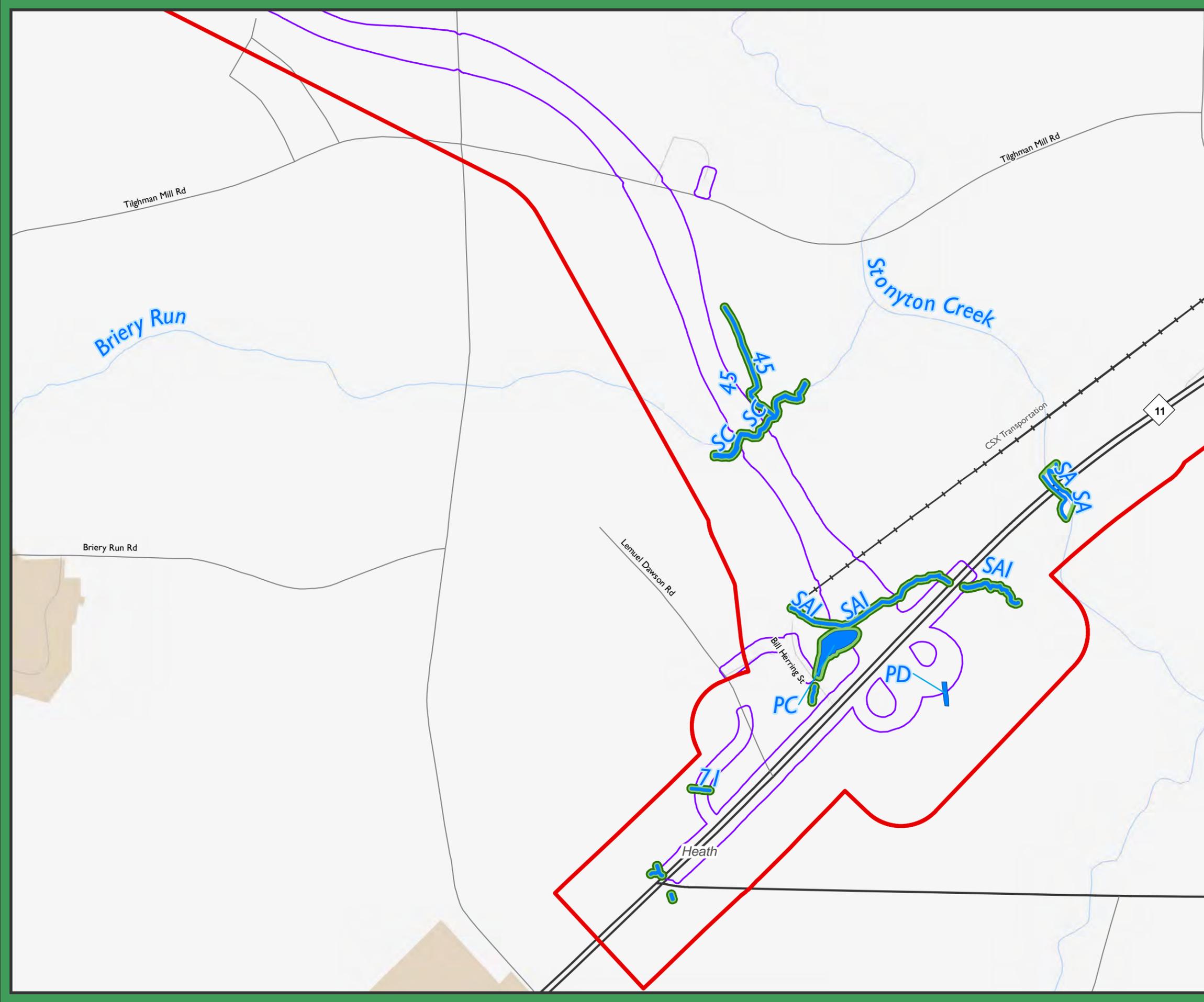


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Figure A-5b Jurisdictional Streams

Legend

-  Study Area
-  Alternative I (Slope Stakes +40')
-  NC Highway
-  State Road
-  Local Road
-  Railroad
-  Jurisdictional Stream
-  Delineated Pond
-  Neuse River Buffer - Zone 1
-  Neuse River Buffer - Zone 2
-  Stream



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDCM, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.

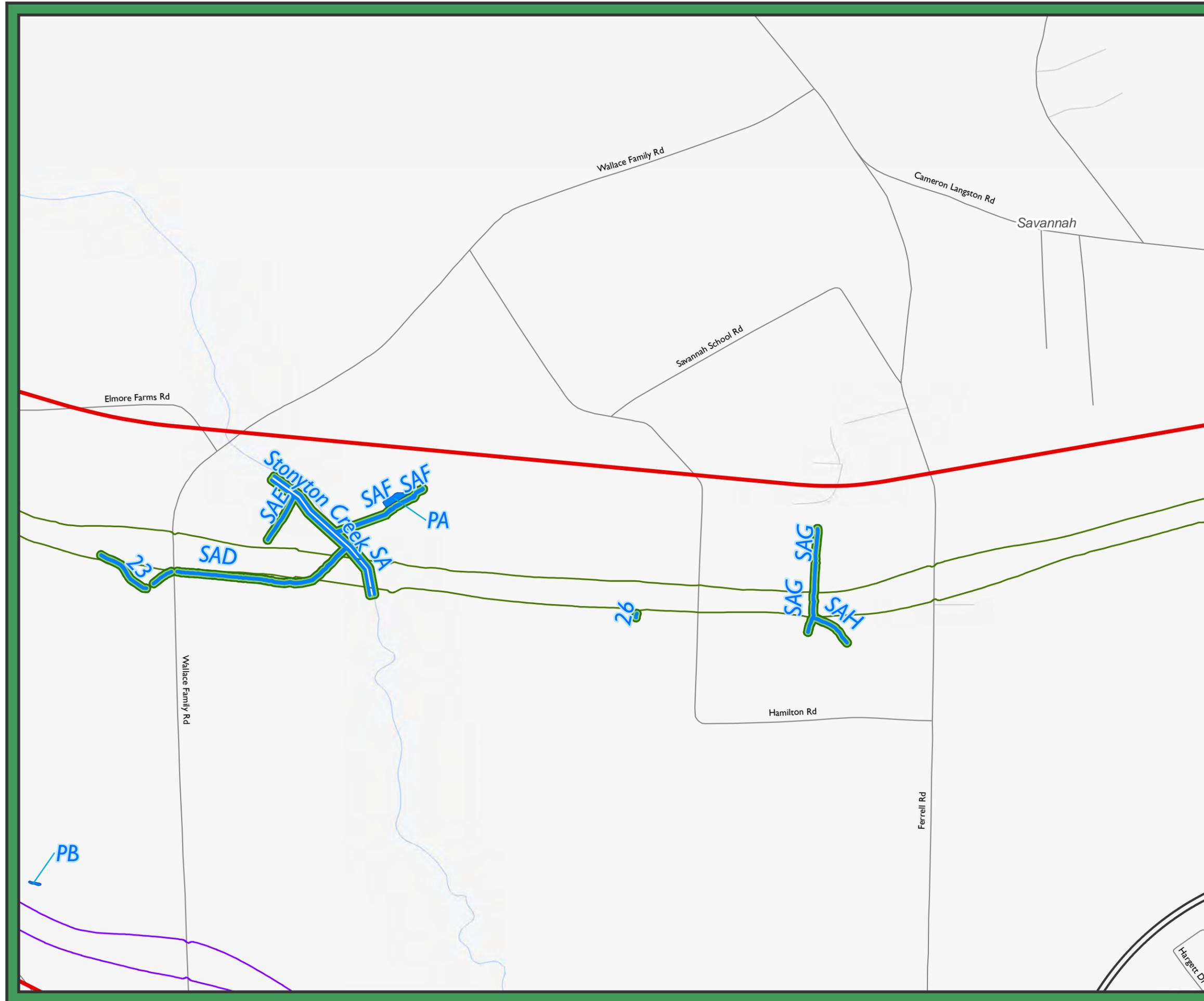


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Legend

-  Study Area
-  Alternative 1 (Slope Stakes +40')
-  Alternative 2 (Slope Stakes +40')
-  NC Highway
-  State Road
-  Local Road
-  Jurisdictional Stream
-  Delineated Pond
-  Neuse River Buffer - Zone 1
-  Neuse River Buffer - Zone 2
-  Stream



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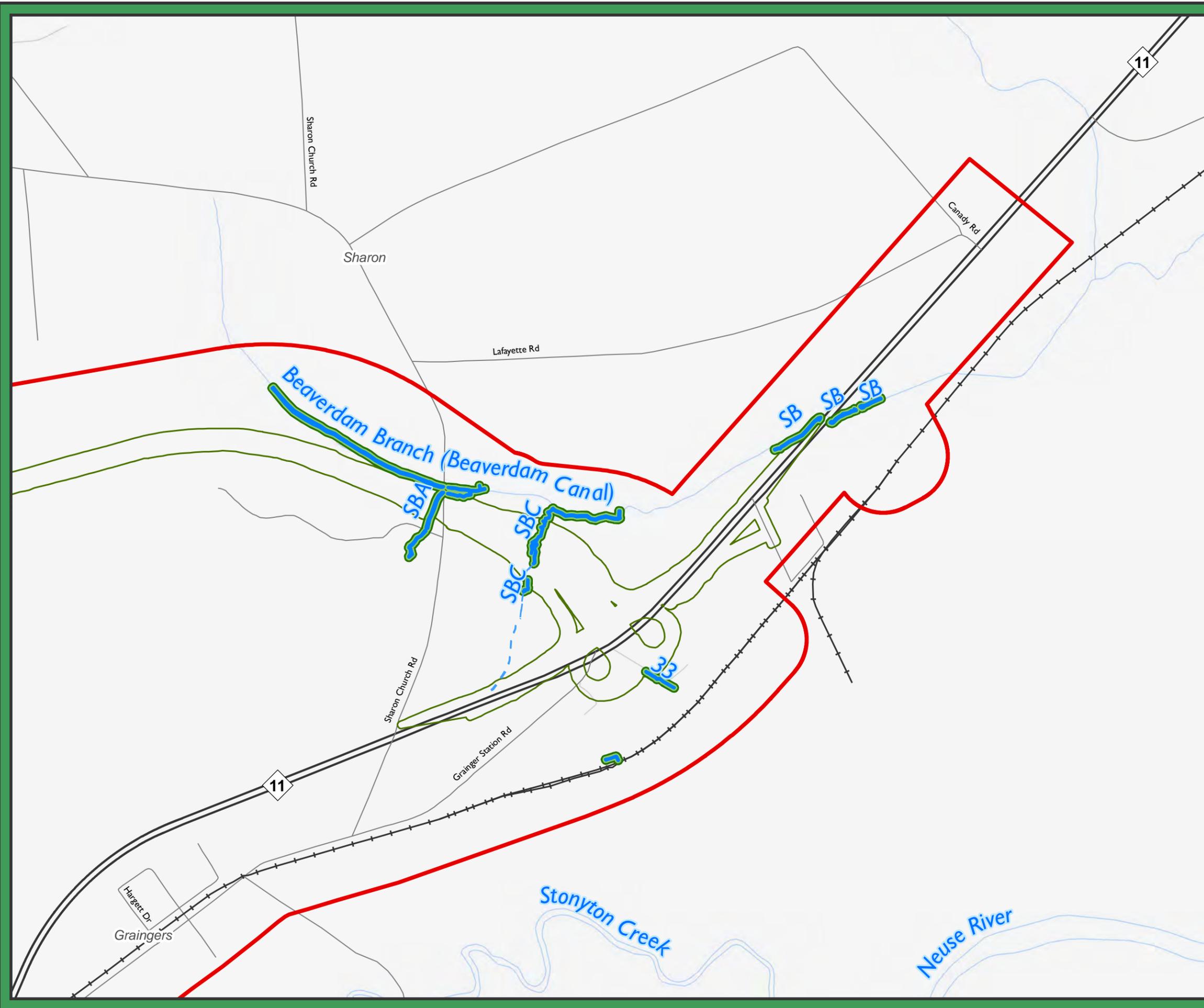


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Legend

-  Study Area
-  Alternative 2 (Slope Stakes +40')
-  NC Highway
-  State Road
-  Local Road
-  Railroad
-  Jurisdictional Stream
-  Ephemeral Channel
-  Neuse River Buffer - Zone 1
-  Neuse River Buffer - Zone 2
-  Stream



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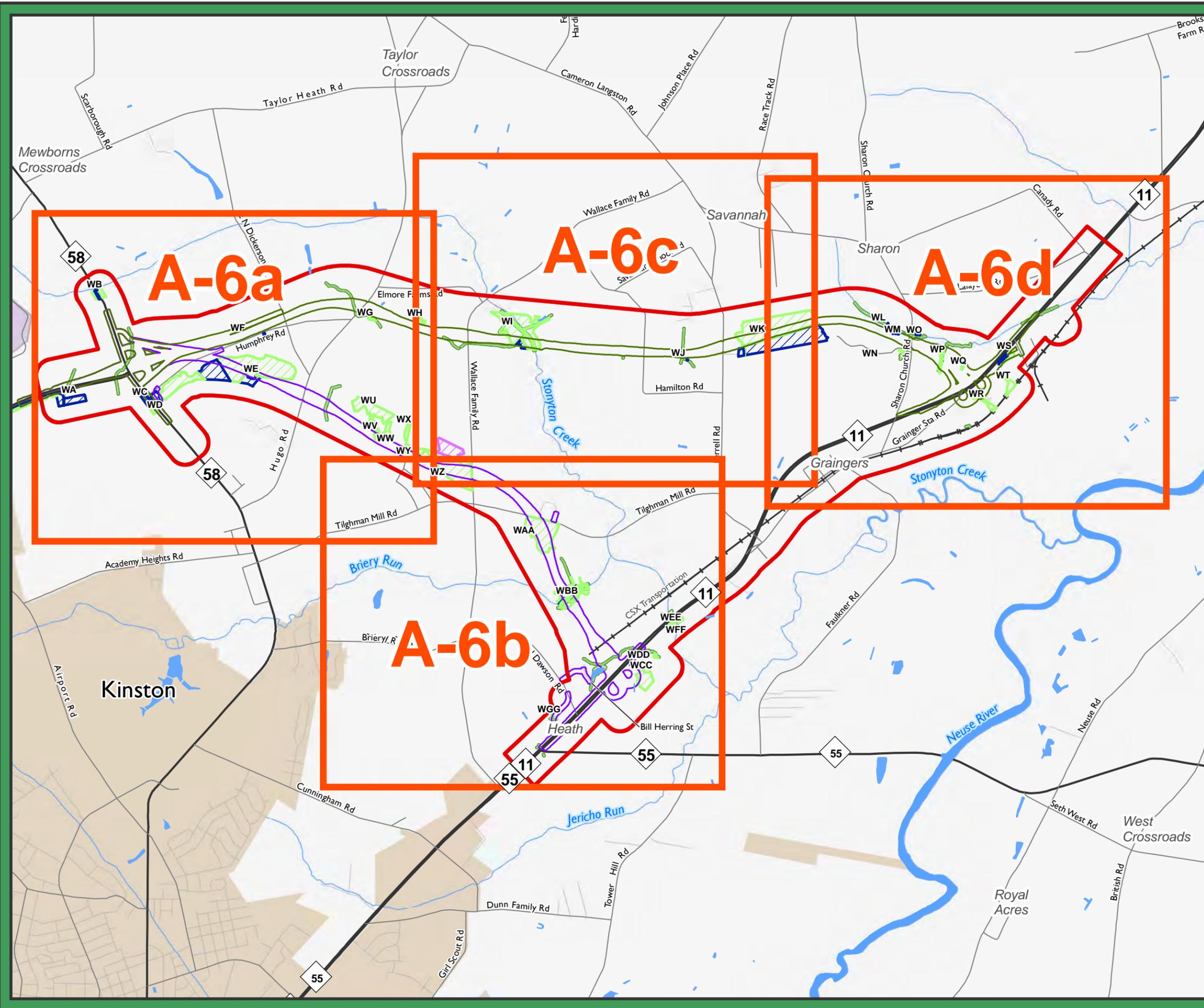


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Figure A-6 Jurisdictional Wetlands

Legend

- Study Area
- Alternative 1 (Slope Stakes +40')
- Alternative 2 (Slope Stakes +40')
- NC Highway
- State Road
- Local Road
- Railroad
- Streams
- Kinston Regional Jetport
- Municipal Area
- Palustrine Emergent
- Palustrine Forested
- Palustrine Shrub
- Neuse River Buffer - Zone 1
- Neuse River Buffer - Zone 2
- Water



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDRCM, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.



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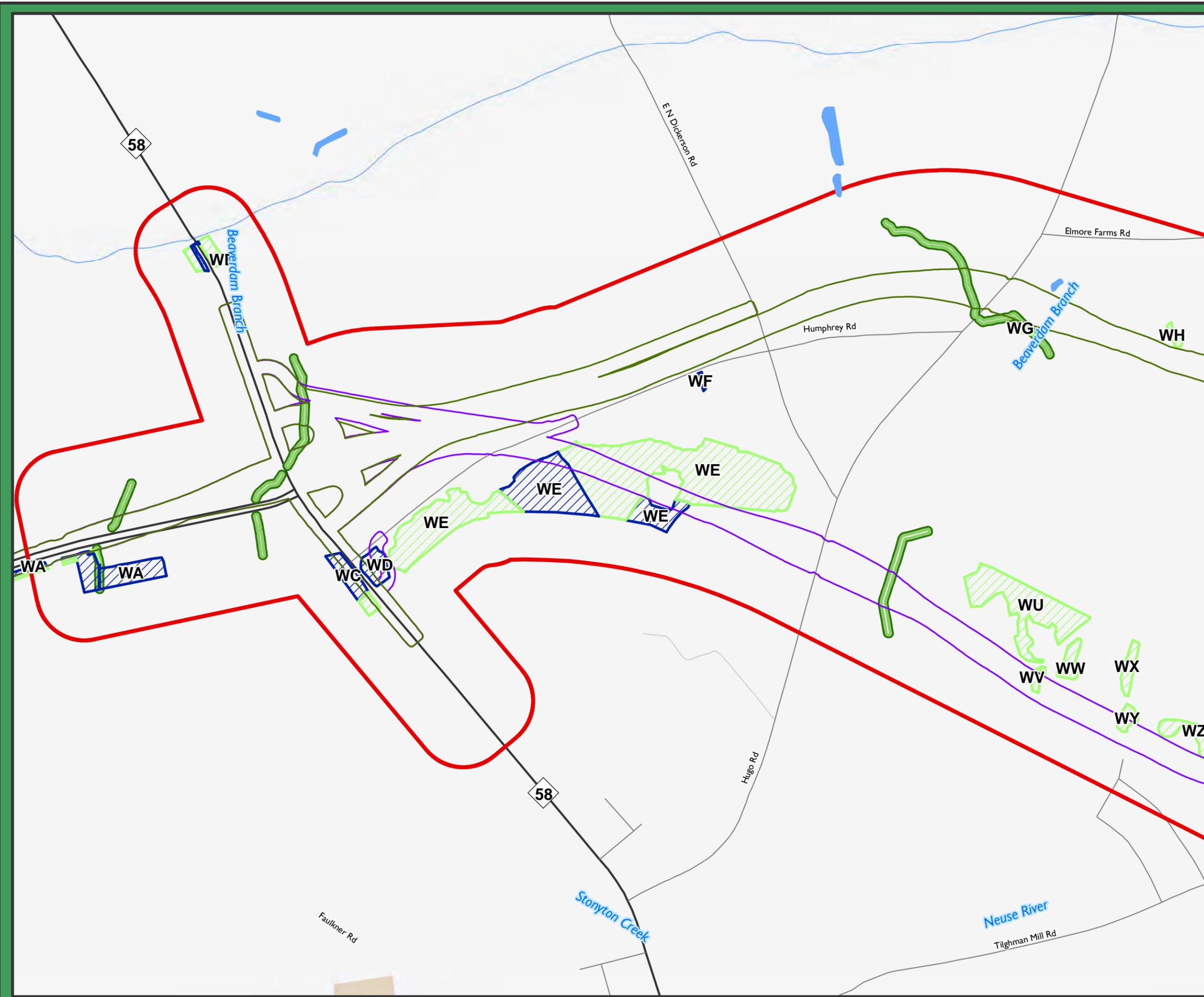


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Figure A6a Jurisdictional Wetlands

Legend

- Study Area
- Alternative 1 (Slope Stakes +40')
- Alternative 2 (Slope Stakes +40')
- NC Highway
- State Road
- Local Road
- Streams
- Palustrine Emergent
- Palustrine Forested
- Neuse River Buffer - Zone 1
- Neuse River Buffer - Zone 2
- Water



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDOT, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.



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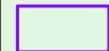
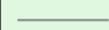
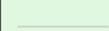
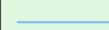
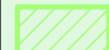
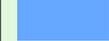


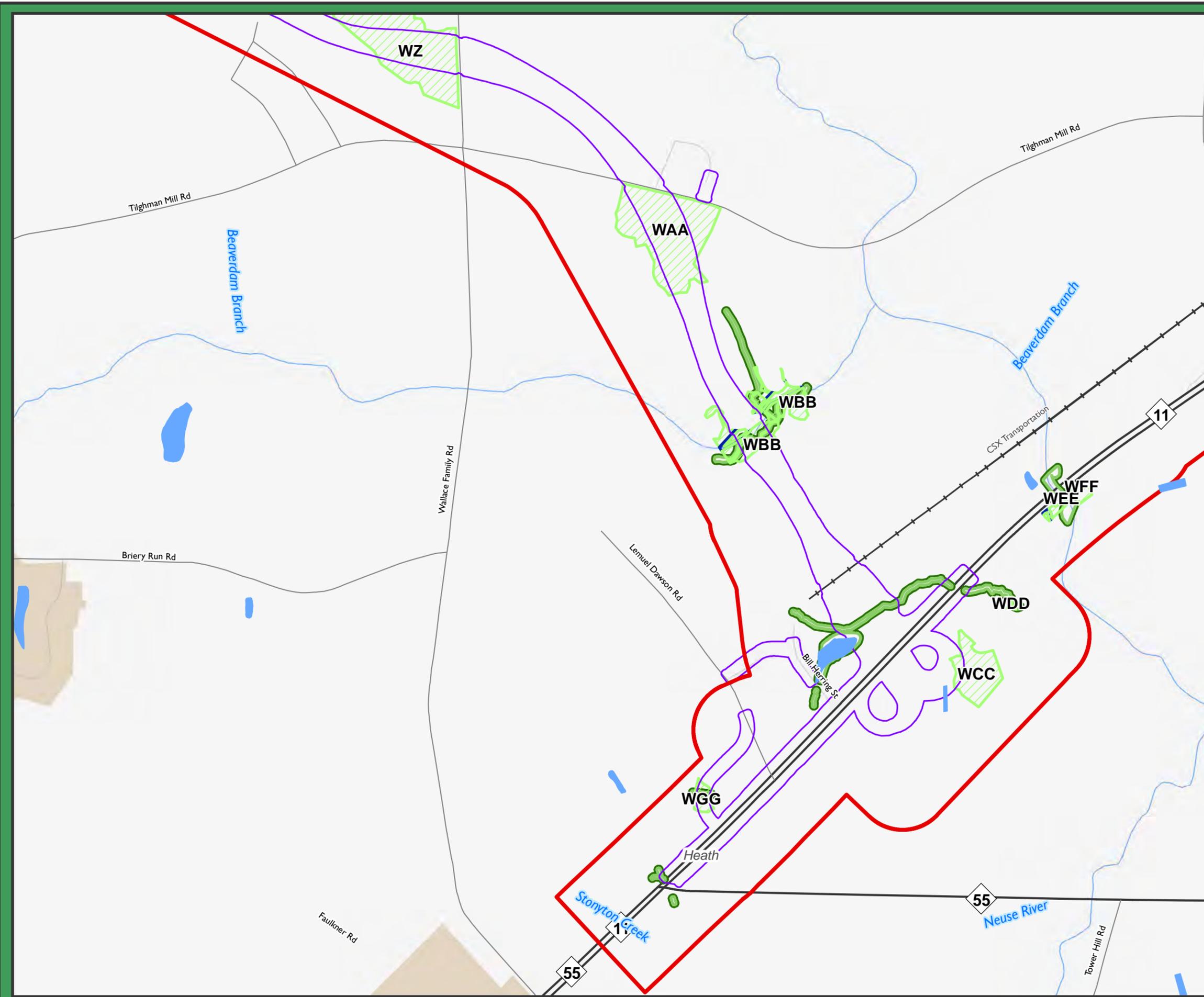


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Figure A6b
Jurisdictional Wetlands

Legend

-  Study Area
-  Alternative I (Slope Stakes +40')
-  NC Highway
-  State Road
-  Local Road
-  Streams
-  Railroad
-  Palustrine Emergent
-  Palustrine Forested
-  Neuse River Buffer - Zone 1
-  Neuse River Buffer - Zone 2
-  Water



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDCM, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.



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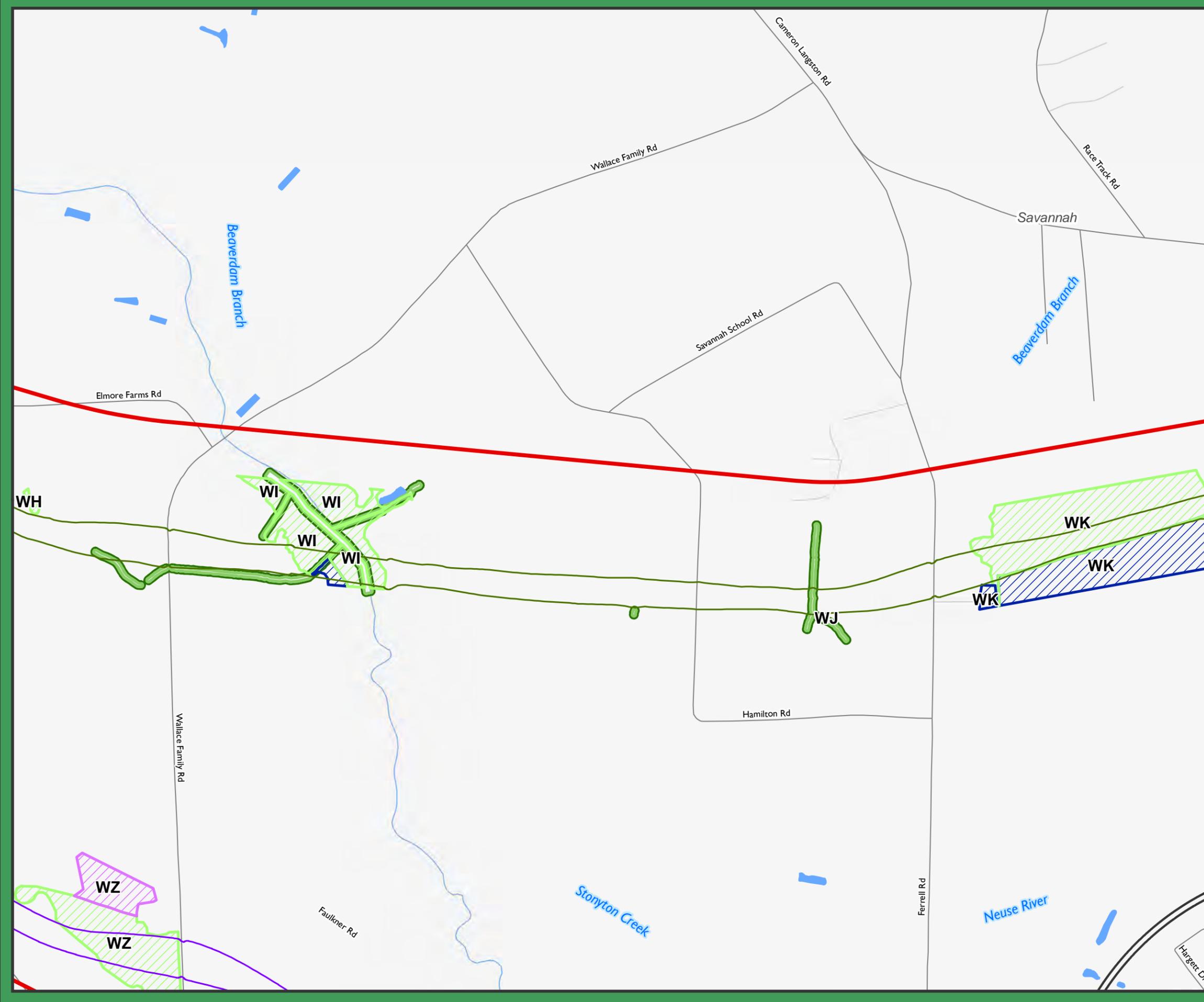


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Figure A6c
Jurisdictional Wetlands

Legend

-  Study Area
-  Alternative 1 (Slope Stakes +40')
-  Alternative 2 (Slope Stakes +40')
-  NC Highway
-  State Road
-  Local Road
-  Streams
-  Palustrine Emergent
-  Palustrine Forested
-  Palustrine Shrub
-  Neuse River Buffer - Zone 1
-  Neuse River Buffer - Zone 2
-  Water



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDCM, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.



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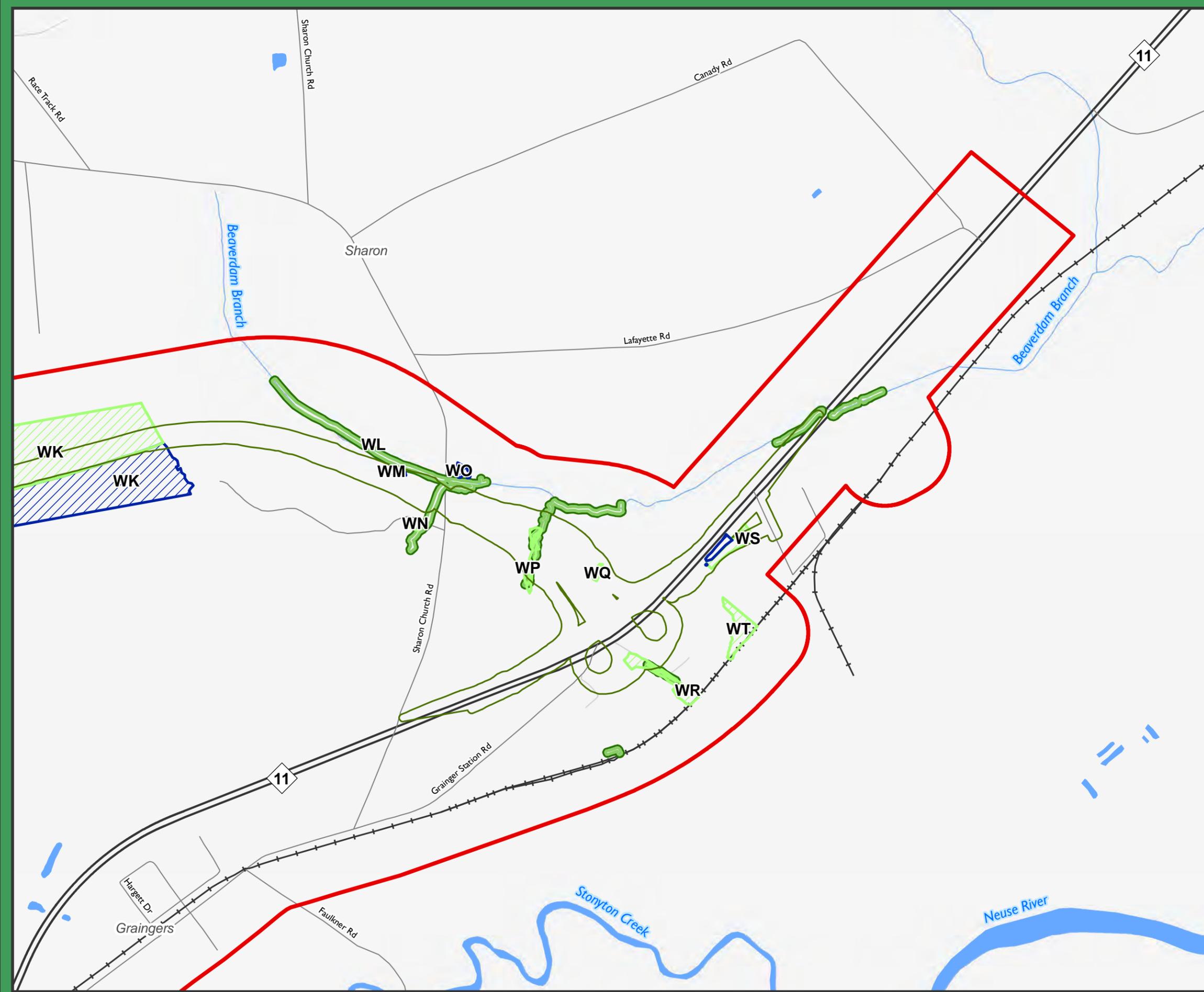


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Figure A6d Jurisdictional Wetlands

Legend

-  Study Area
-  Alternative 2 (Slope Stakes +40')
-  NC Highway
-  State Road
-  Local Road
-  Streams
-  Railroad
-  Palustrine Emergent
-  Palustrine Forested
-  Neuse River Buffer - Zone 1
-  Neuse River Buffer - Zone 2
-  Water



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Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCs, Lenoir County, USFWS, EPA, USDA, NCDCM, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.



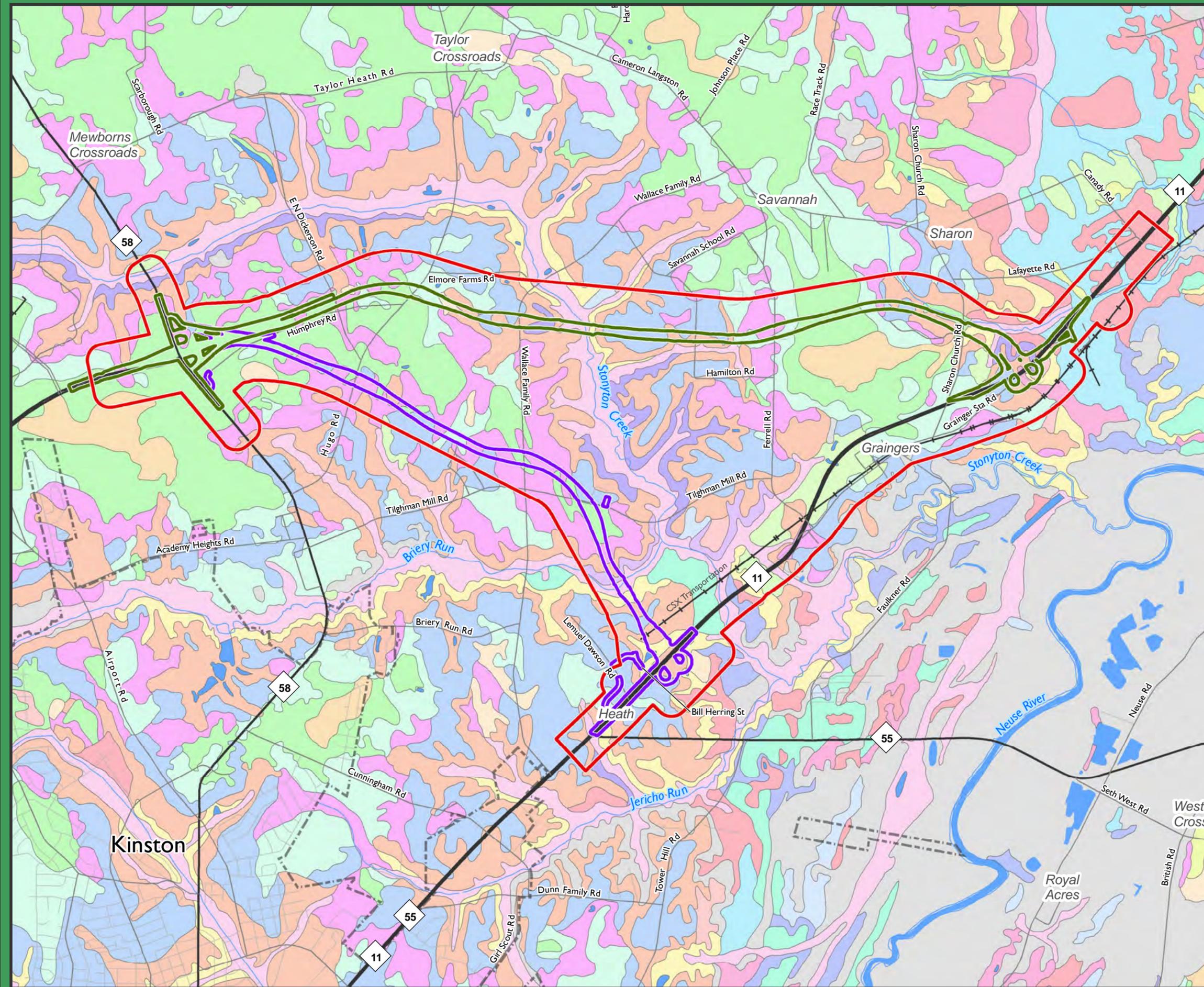
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Figure A-7 Soil Classification



Legend

- Study Area
- Alternative 1 (Slope Stakes +40)
- Alternative 2 (Slope Stakes +40)
- US Route
- NC Highway
- State Road
- Local Road
- Railroad
- Municipal Area
- Soil Type**
- Other Soil Types
- Rains sandy loam, 0 to 2 percent slopes
- Goldsboro loamy sand, 0 to 2 percent slopes
- Norfolk loamy sand, 2 to 6 percent slopes
- Norfolk loamy sand, 0 to 2 percent slopes
- Lynchburg sandy loam
- Norfolk loamy sand, 6 to 10 percent slopes
- Bibb soils, frequently flooded
- Craven fine sandy loam, 4 to 8 percent slopes
- Johns sandy loam
- Leaf loam
- Coxville loam
- Craven fine sandy loam, 1 to 4 percent slopes
- Wagram loamy sand, 6 to 10 percent slopes
- Lumbee sandy loam
- Kalmia loamy sand, 0 to 2 percent slopes
- Wagram loamy sand, 0 to 6 percent slopes
- Kalmia loamy sand, 2 to 6 percent slopes
- Pactolus loamy sand
- Pantego loam
- Lenoir loam
- Water



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDRCM, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.



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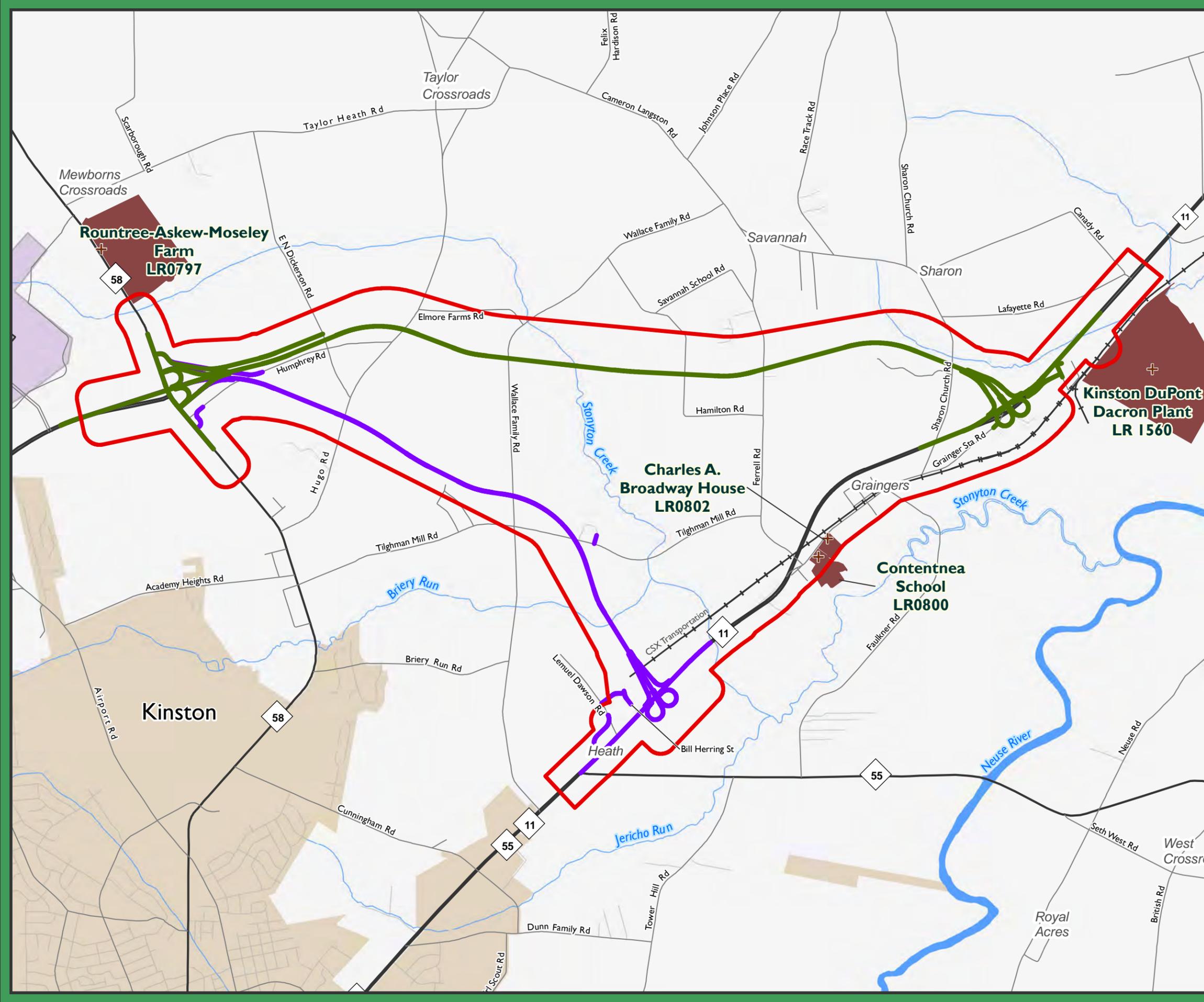


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Figure A-8
Historic Architectural Resources

Legend

-  Study Area
-  Alternative 1
-  Alternative 2
-  Determined Eligible for National Register Listing
-  Historic Property Eligible National Register Boundary
-  NC Highway
-  State Road
-  Local Road
-  Railroad
-  County
-  Kinston Regional Jetport
-  Municipal Area
-  Water



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Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCs, Lenoir County, USFWS, EPA, USDA, NCDCM, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.

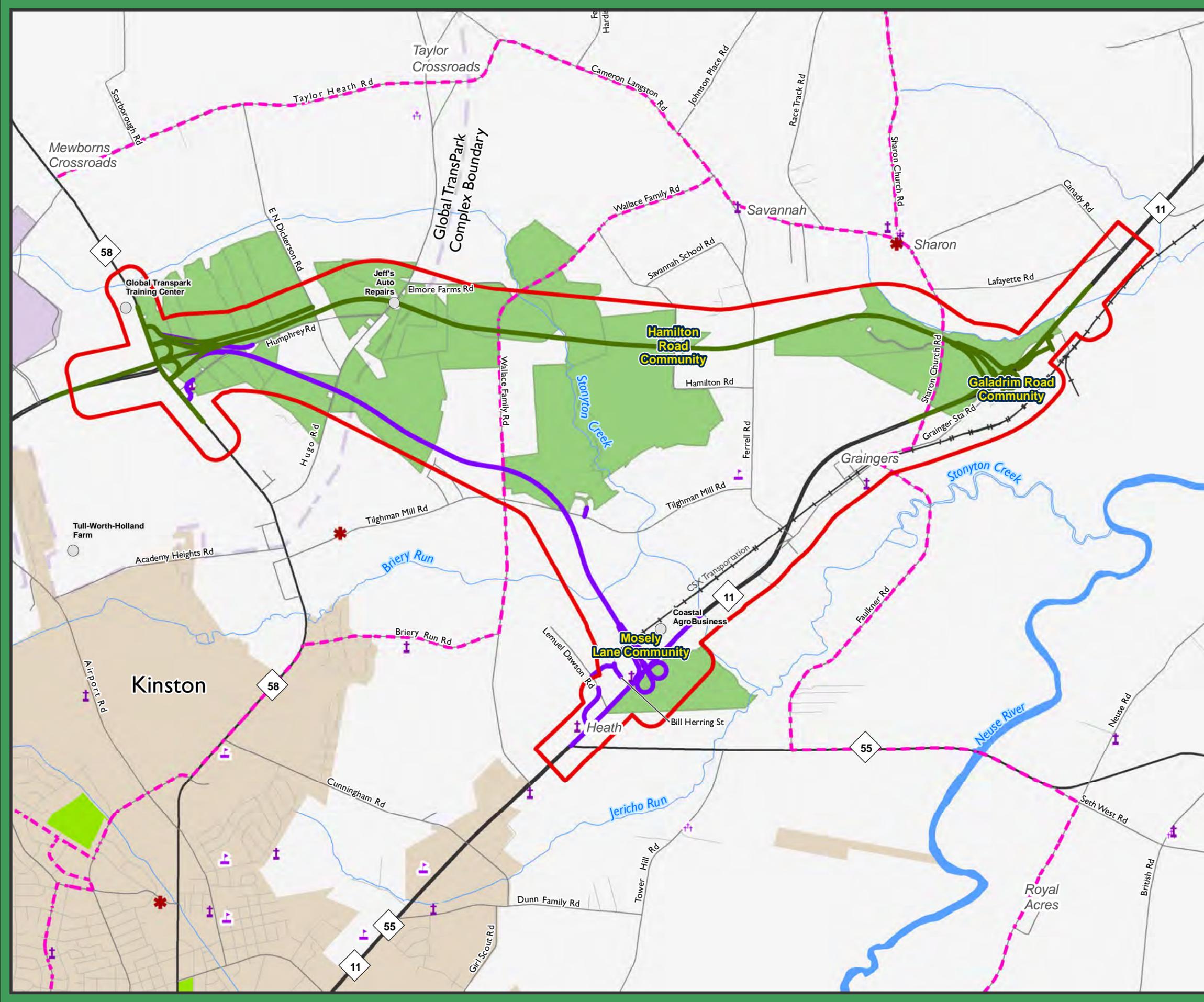


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Legend

-  Study Area
-  Alternative 1
-  Alternative 2
-  NC Highway
-  State Road
-  Local Road
-  Railroad
-  Notable Feature
-  Fire Station
-  School
-  Church
-  Cemetery
-  Water
-  Park
-  Kinston Regional Jetport
-  Global TransPark Complex Boundary
-  Municipal Area
-  Active Agriculture



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDOT, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.



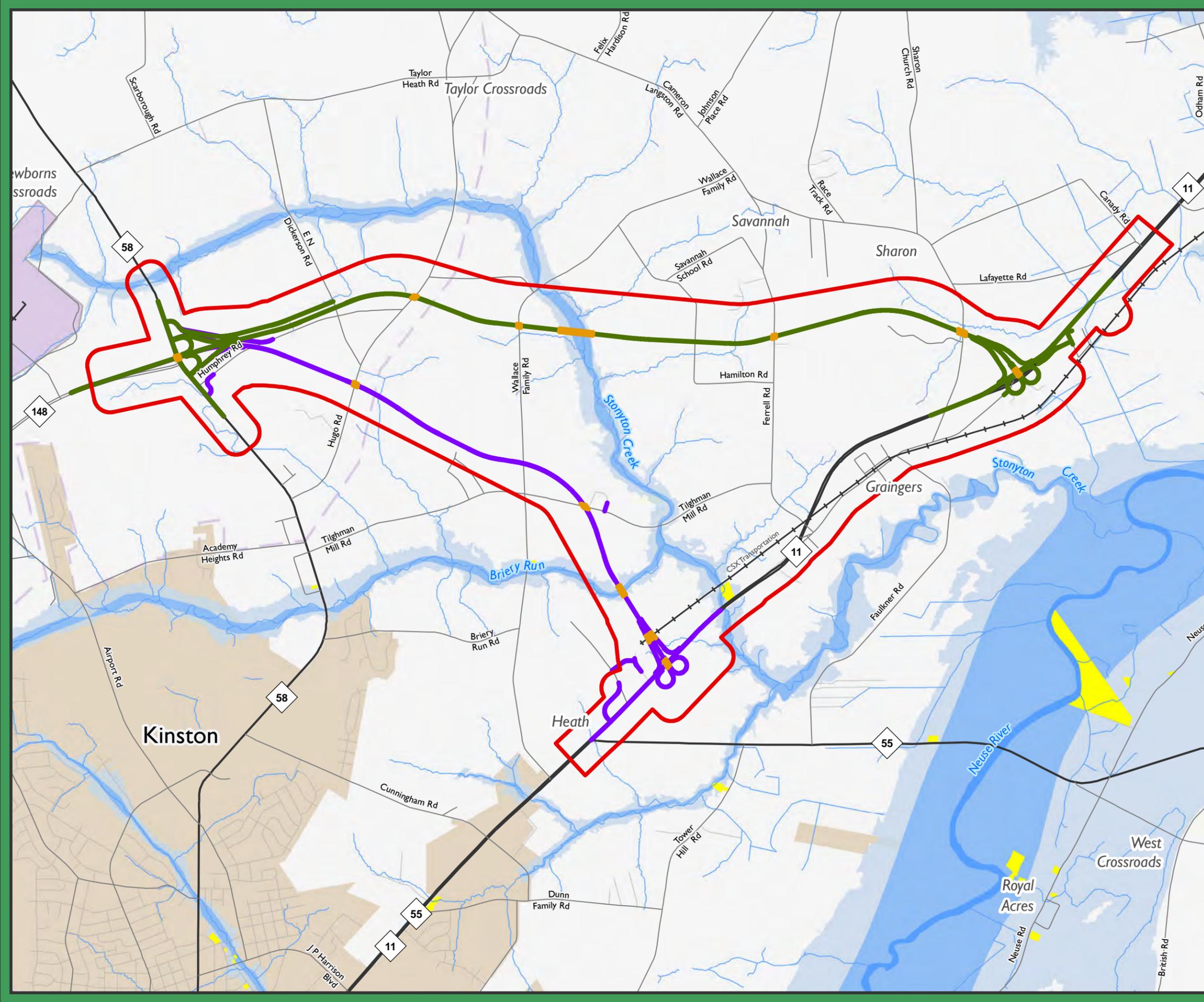


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Figure A-1 I Flood Hazard Areas

Legend

-  Project Study Area
-  Alternative 1
-  Alternative 2
-  Proposed Bridge
-  NC Highway
-  State Road
-  Local Road
-  Railroad
-  Kinston Regional Jetport
-  Global TransPark Complex Boundary
-  Hazard Mitigation Grant Property
-  Floodplain
-  Floodway
-  Water



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDOT, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.



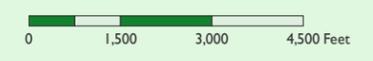
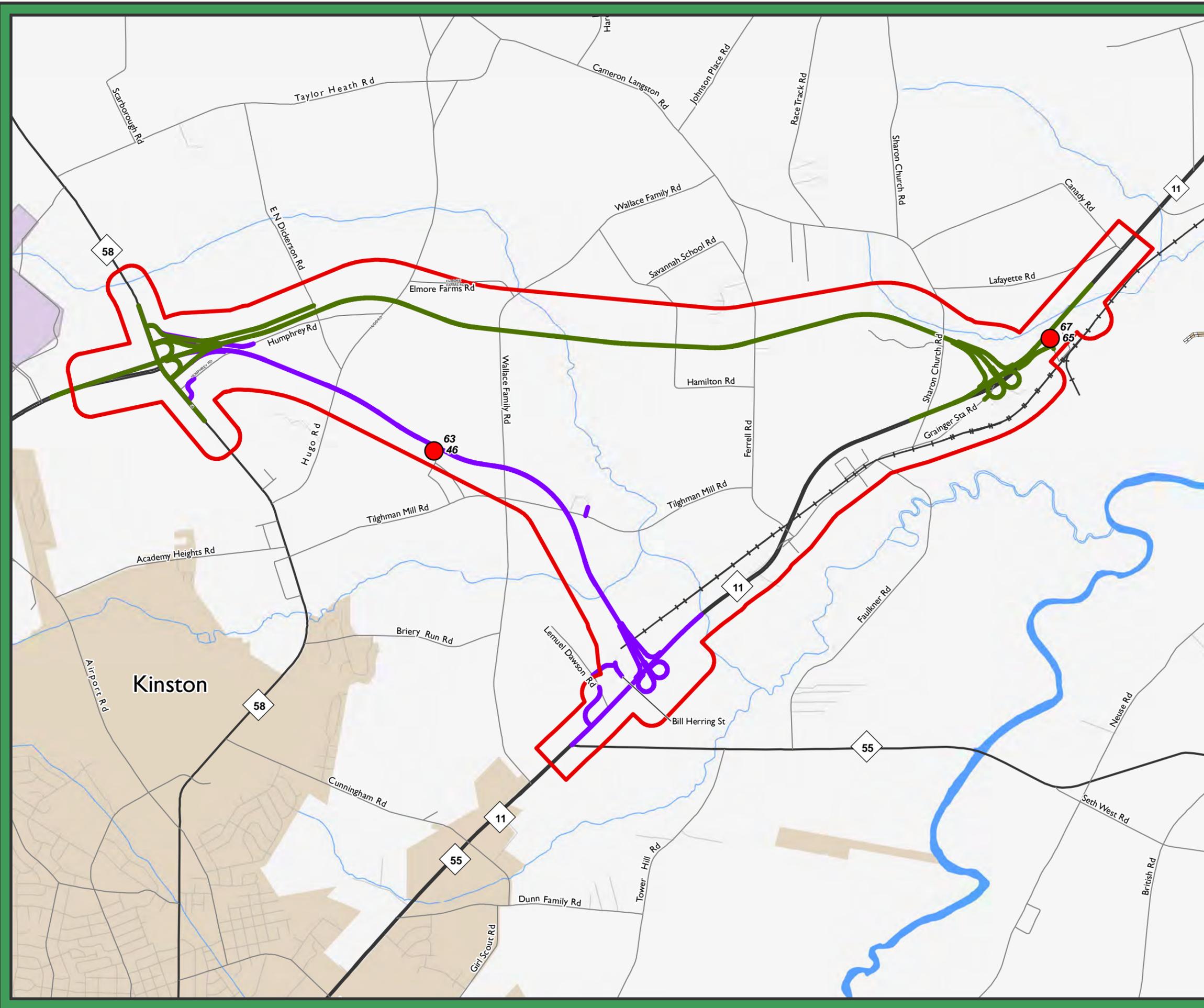
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Figure A-12
Traffic Noise Receptors with
Potential Impacts

Legend

-  Project Study Area
-  Alternative 1
-  Alternative 2
-  US Highway
-  NC Highway
-  State Road
-  Local Road
-  Railroad
-  Kinston Regional Jetport
-  Municipal Area
-  Water
-  Impacted Receptor
-  2040 Future Build dBA
-  2012 Existing dBA
-  Receptor



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC,
NRCS, Lenoir County, USFWS, EPA, USDA, NCDOT, DWQ,
City of Kinston, NCEM, NCOneMap, ESRI and AECOM.



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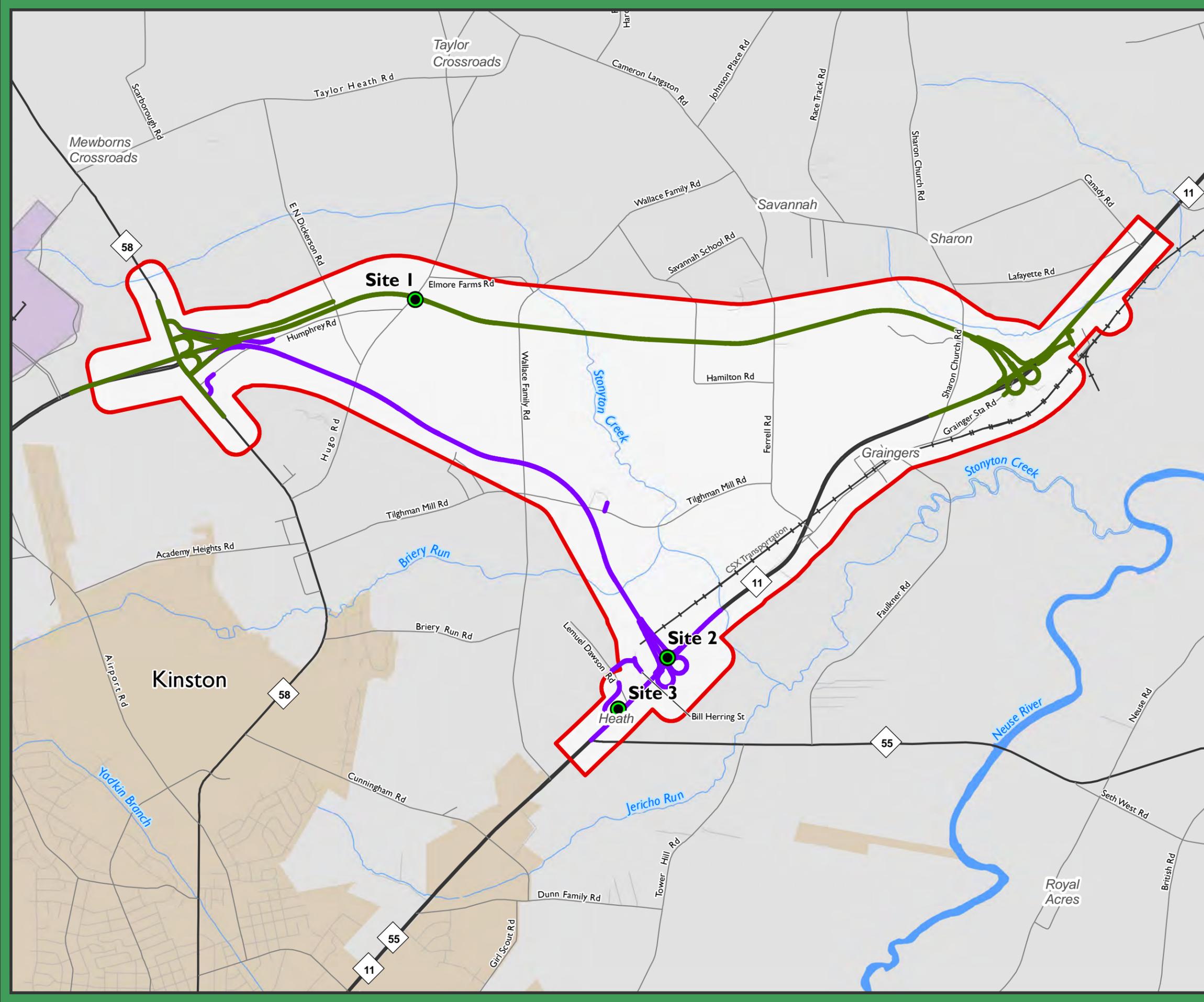


C. F. Harvey Parkway STIP Project No. R-5703

Figure A-13
Hazardous Material Sites

Legend

-  Study Area
-  Alternative 1
-  Alternative 2
-  Hazardous Material Site
-  NC Highway
-  State Road
-  Local Road
-  Railroad
-  Kinston Regional Jetport
-  Municipal Area
-  Water



This map is for reference only.
Sources: NCDOT, NCDEQ, CGIA, NCSHPO, NCWRC, NRCS, Lenoir County, USFWS, EPA, USDA, NCDCM, DWQ, City of Kinston, NCEM, NCOneMap, ESRI and AECOM.



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