Sheet 10 of 11

Potential Wetland and Stream Impacts: I-81 from Exit 283 to Exit 310

Sheet 10 of 11

Potential Wetland and Stream Impacts: I-81 from Exit 283 to Exit 296

	Exit 283 – Exit 291		Exit 291 – Exit 296		Total	
Concept	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac)[1]	ST (lf)[1]
No-Build	0	0	0	0	0	0
Minimum Width	0.1	1,004	0	984	0.1	1,988
Maximum Width	0.4	1,302	0	1,158	0.4	2,460
Add 2-Lanes	0.1	950	0	909	0.1	1,859
Add 8-Lanes	0.4	1,302	0	1,158	0.4	2,460

1 Total potential impacts are for I-81 only; they do not include potential rail impacts.

WT (ac) = Wetlands (Acres)
ST (lf) = Streams (Linear Feet)

Potential Wetland and Stream Impacts: I-81 from Exit 296 to Exit 310

	Exit 296 - Exit 298		Exit 298 – Exit 300		Exit 300 – Exit 302		Exit 302 – Exit 307		Exit 307 – Exit 310		Total	
Concept	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac)[1]	ST (lf)[1]
No-Build	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Width	0.1	150	0.7	367	1.7	0	5.2	640	1.7	280	9.4	1,437
Maximum Width	0.3	150	0.7	346	2.5	0	7.8	881	2.3	432	13.6	1,809
Add 2-Lanes	0	150	0.7	342	1.7	0	5.1	615	1.6	256	9.1	1,363
Add 8-Lanes	0.3	150	0.7	346	2.5	0	7.8	881	2.3	432	13.6	1,809

1 Total potential impacts are for I-81 only; they do not include potential rail impacts.

WT (ac) = Wetlands (Acres)
ST (lf) = Streams (Linear Feet)

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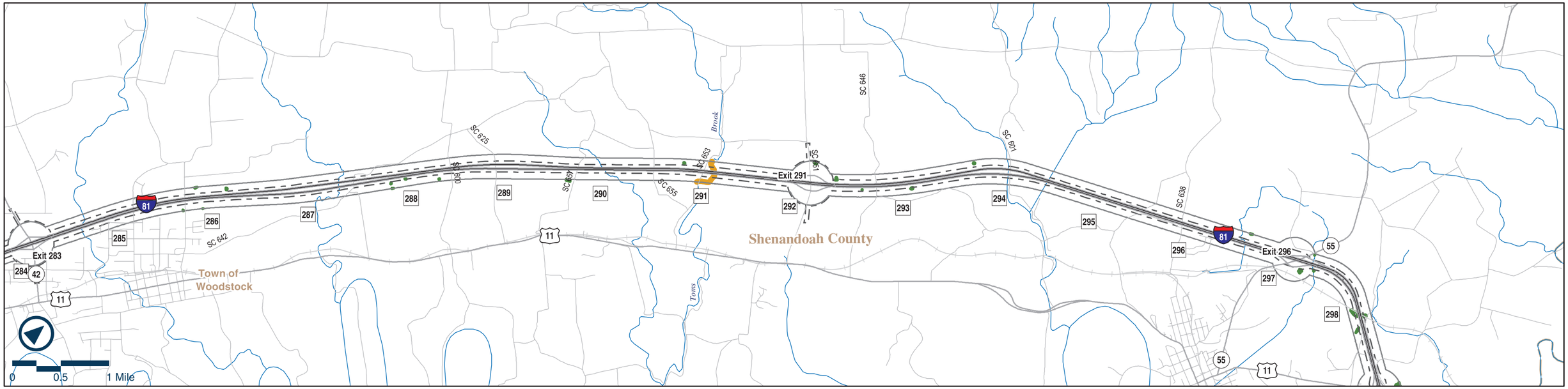

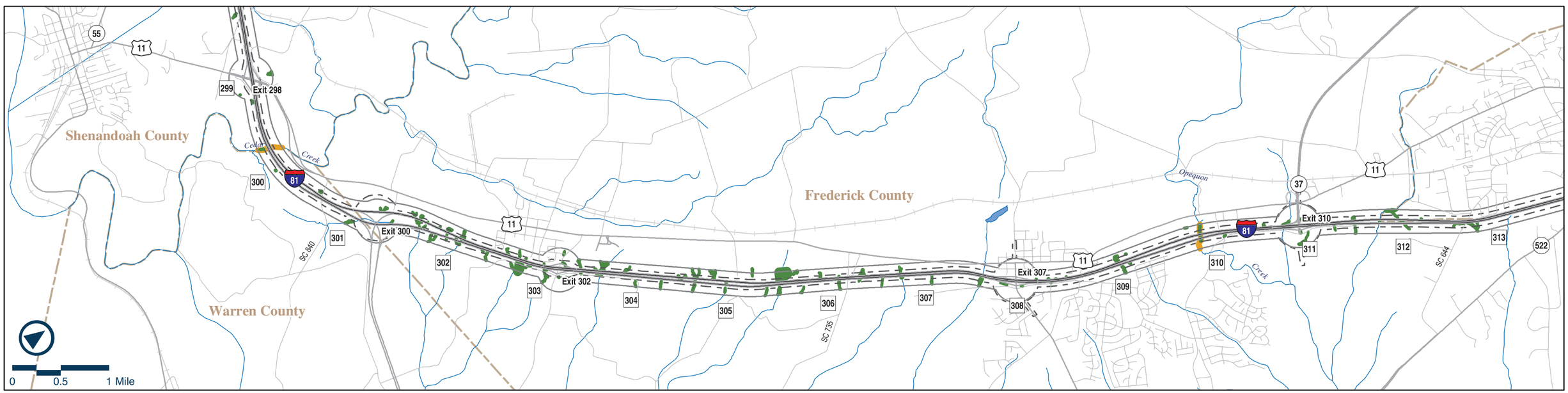

#	Milepost
	Impaired Streams
	Wetlands (Not to Scale)
	Limits of Maximum Width Footprint
	Study Area

GIS Source:

Impaired Streams ..... VA Department of Environmental Quality, 2003
Wetlands ..... VHB, 2004

Potential Impacts to Wetlands and Water Resources

I-81 Corridor

Sheet 10 of 11

Figure **A-1**

I-81 CORRIDOR IMPROVEMENT STUDY

Sheet 11 of 11

Potential Wetland and Stream Impacts: I-81 from Exit 310 to WVA State Line

Sheet 11 of 11

Potential Wetland and Stream Impacts: I-81 from Exit 310 to WVA State Line

	Exit 310 – Exit 313		Exit 313 – Exit 315		Exit 315 – Exit 317		Exit 317 – Exit 321		Exit 321 – Exit 323		Exit 323 – WVASL		Total	
Concept	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac)[1]	ST (lf)[1]
No-Build	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Width	1.2	635	0.6	528	0.4	588	0.2	601	0.3	354	0	0	2.7	2,706
Maximum Width	1.2	657	1.0	795	1.4	740	0.3	819	0.5	478	0	0	4.4	3,489
Add 2-Lanes	1.2	657	0.6	528	0.4	563	0.2	572	0.3	330	0	0	2.7	2,650
Add 8-Lanes	2.0	1,052	1.0	795	1.4	740	0.3	819	0.5	478	0	0	5.2	3,884

1 Total potential impacts are for I-81 only; they do not include potential rail impacts.

WT (ac) = Wetlands (Acres)
ST (lf) = Streams (Linear Feet)

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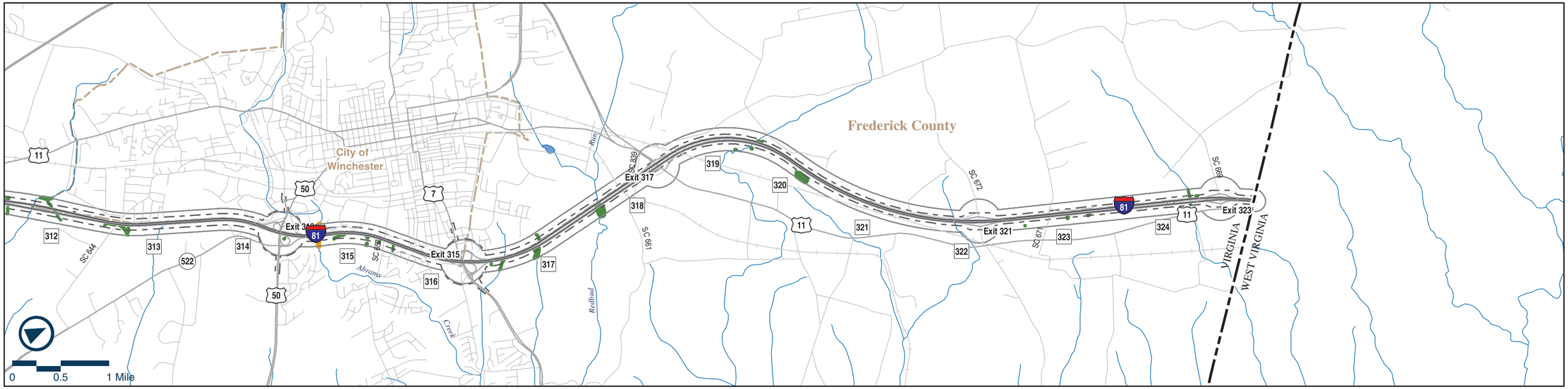

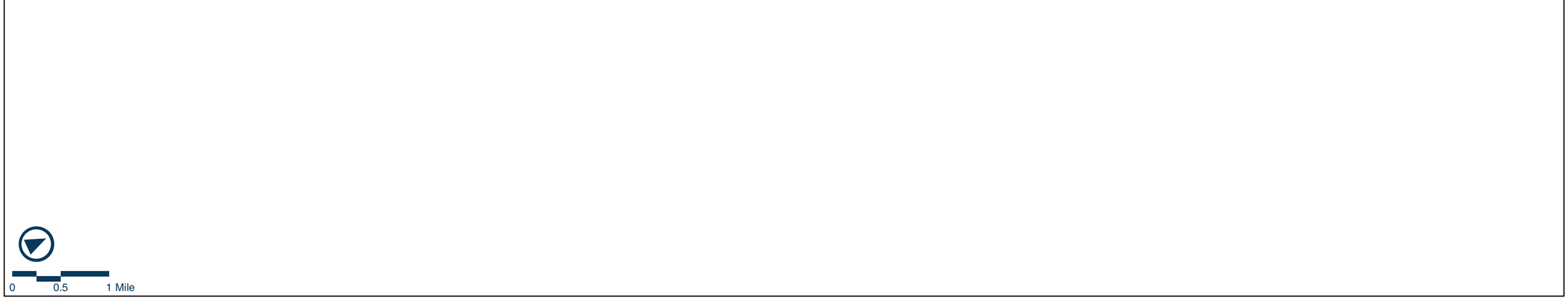

Milepost
Impaired Streams
Wetlands (Not to Scale)
Limits of Maximum Width Footprint
Study Area

GIS Source:

Impaired Streams ..... VA Department of Environmental Quality, 2003
Wetlands ..... VHB, 2004

Potential Impacts to Wetlands and Water Resources
I-81 Corridor

Sheet 11 of 11

Figure
A-1

I-81 CORRIDOR IMPROVEMENT STUDY

Figure A-2

Potential Impacts to Wetlands and Streams
Rail Corridor

Sheet 1 of 4

Potential Wetland and Stream Impacts: Rail Improvement Sections 1, 2, 3, and 4

Sheet 1 of 4

Potential Wetland and Stream Impacts:
Rail Improvement Sections 1, 2, 3, and 4

Rail Section	County	Wetland (ac)	Stream (lf)
1	Washington	0	102
2	Smyth	0	166
3	Wythe	0.03	0
4	Wythe/Pulaski	0	407

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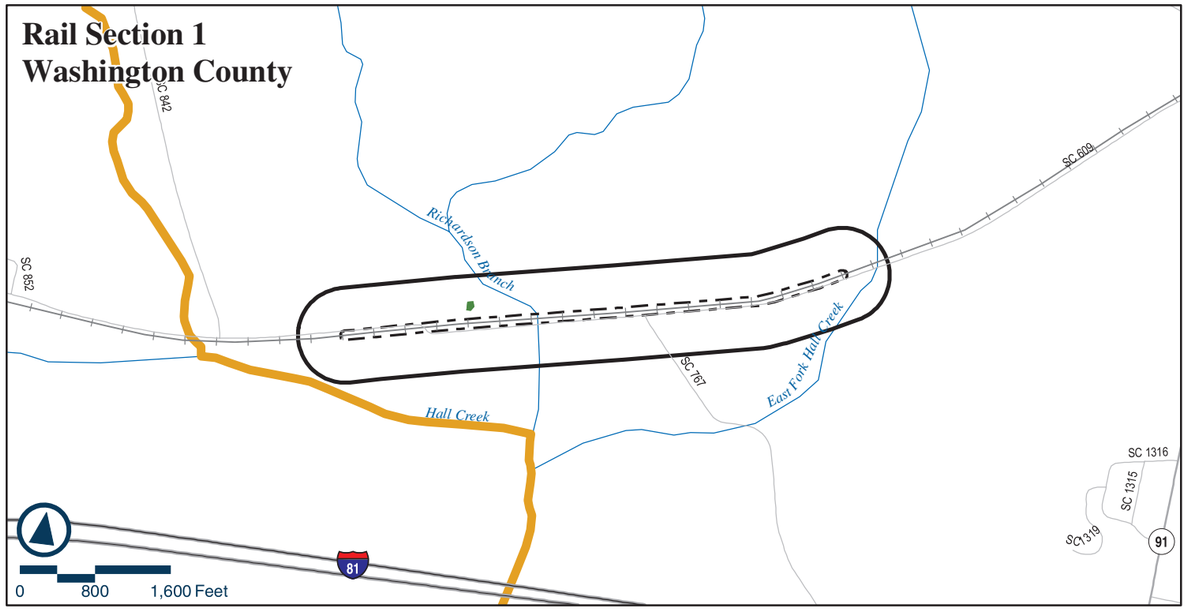
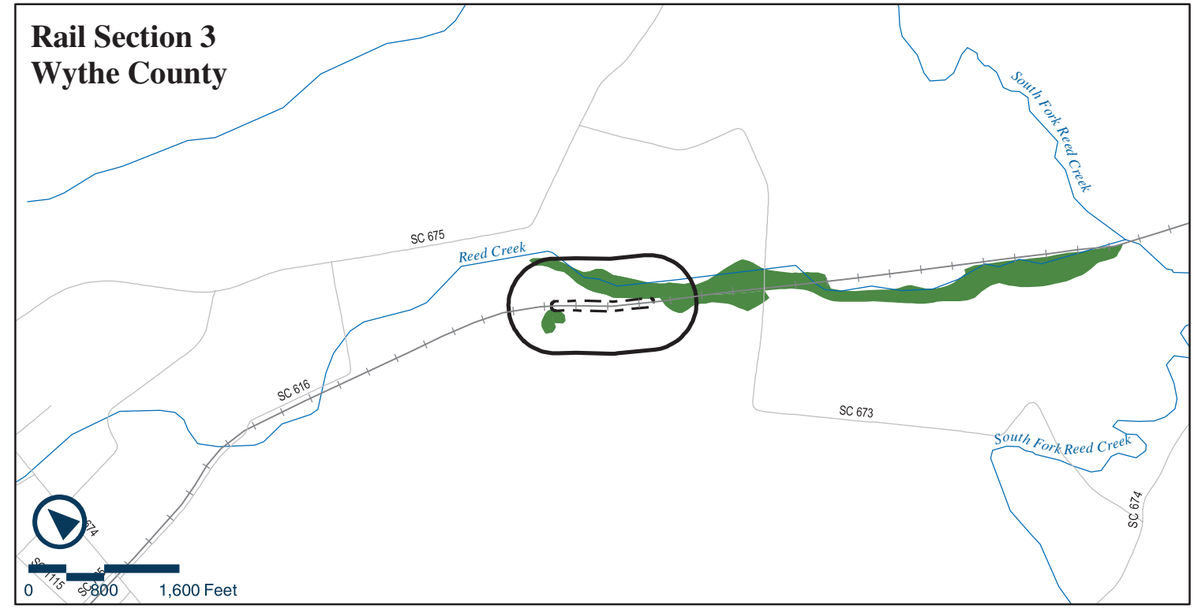
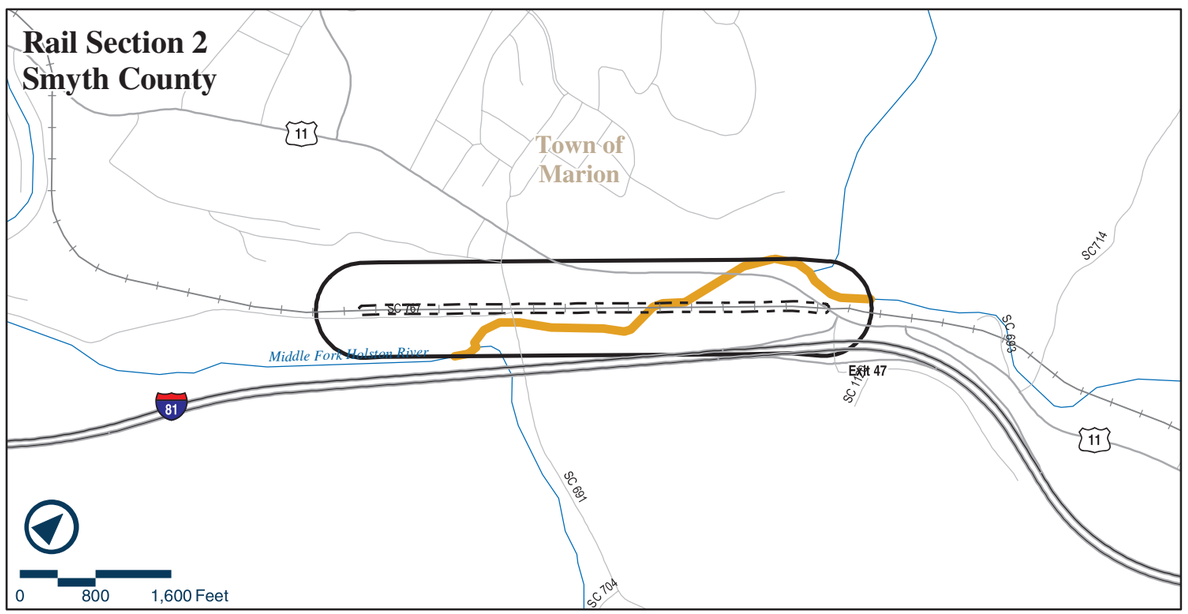
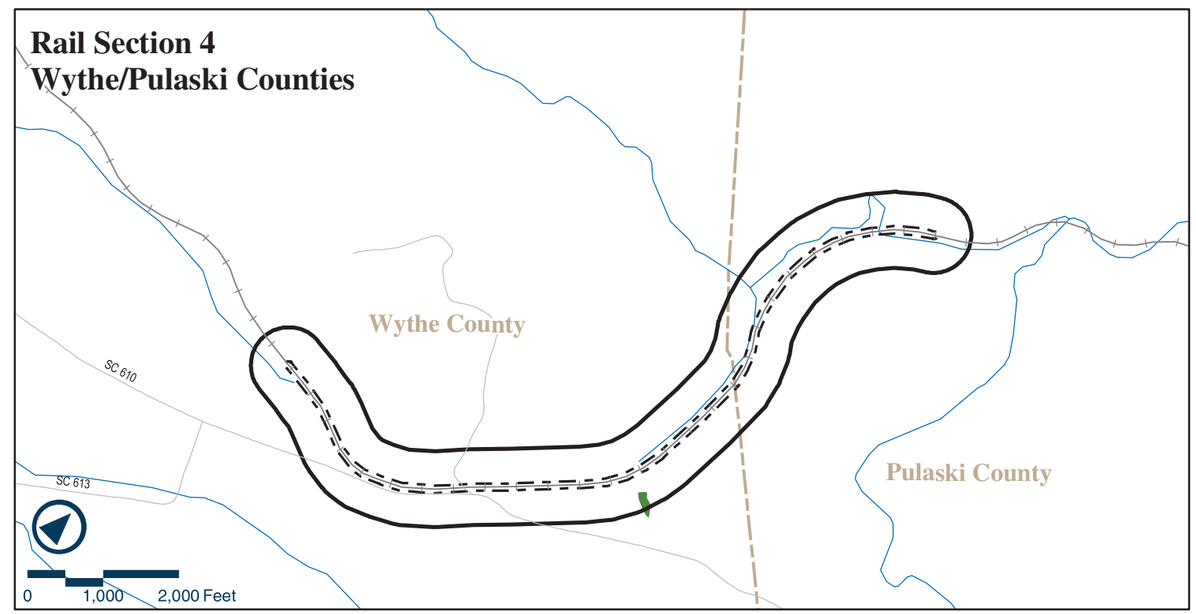








Impaired Streams
Wetlands
Limits of Rail Improvements
Study Area

GIS Source:

Impaired Streams ..... VA Department of Environmental Quality, 2003
Wetlands ..... VHB, 2004

Potential Impacts to Wetlands and Water Resources
Rail Corridor
Sheet 1 of 4

Figure
A-2

I-81 CORRIDOR IMPROVEMENT STUDY

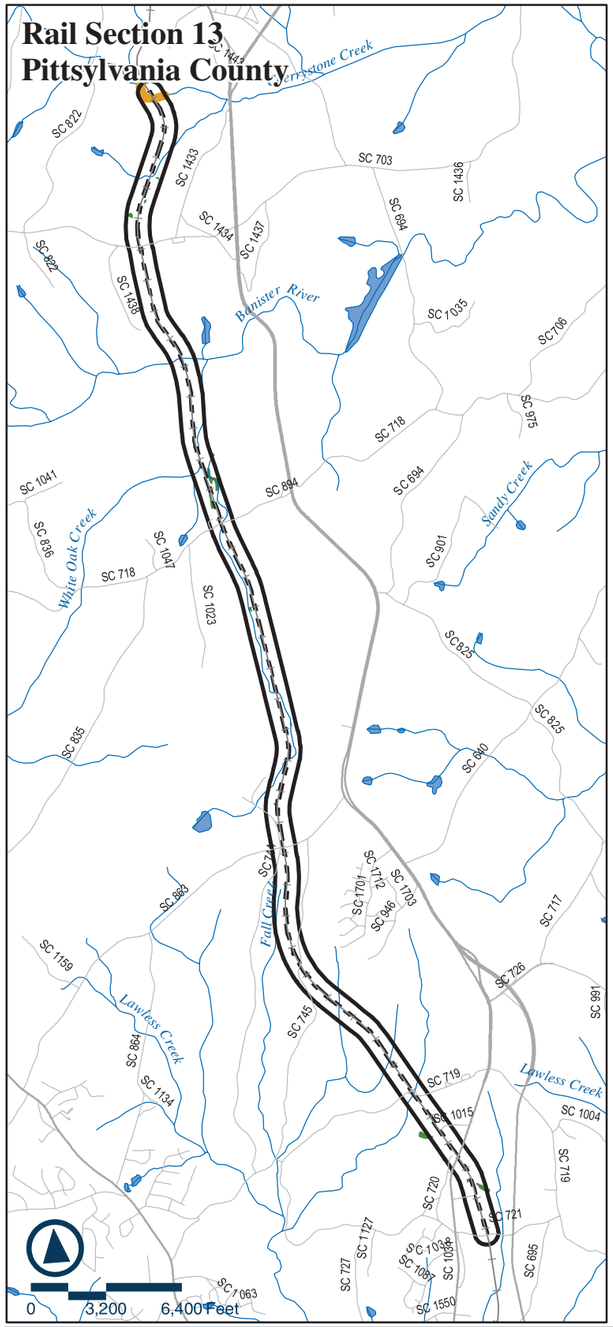
Sheet 2 of 4

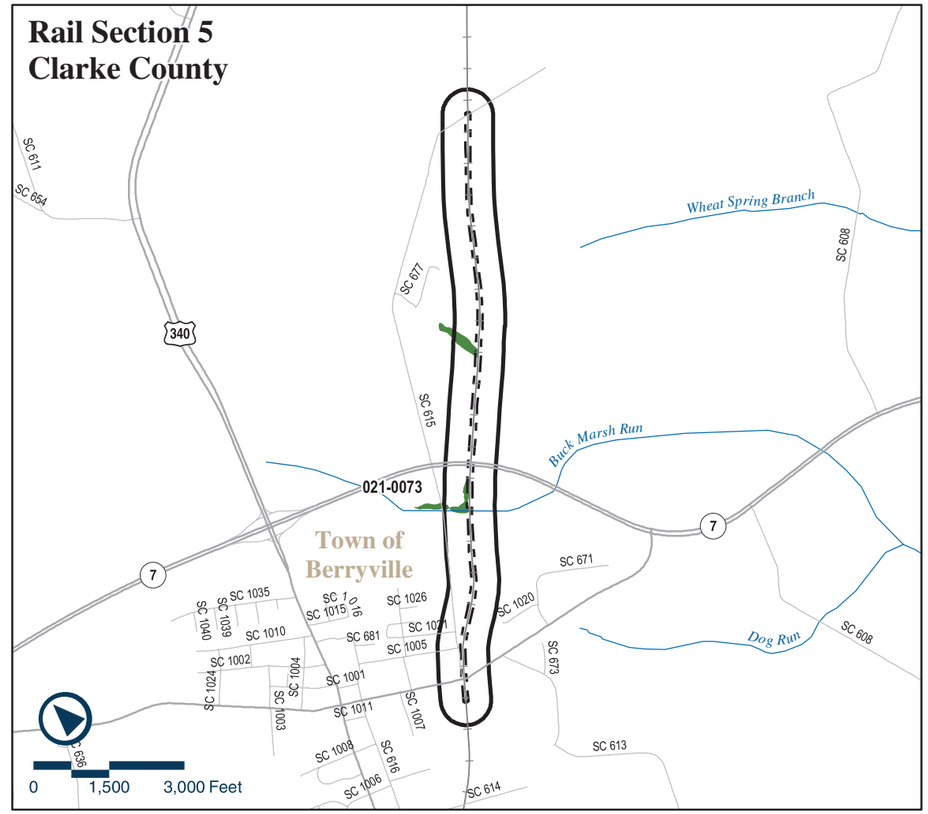
Potential Wetland and Stream Impacts: Rail Improvement Sections 5, 6, 7, and 13

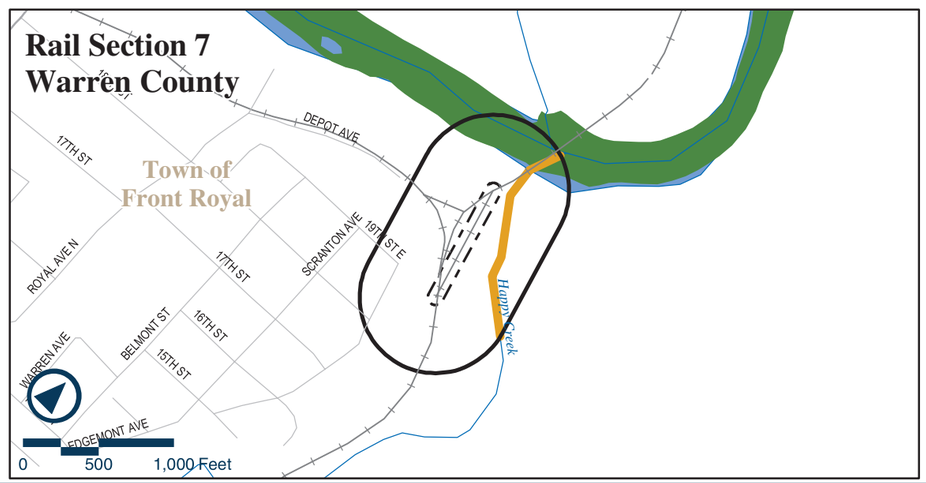
Sheet 2 of 4

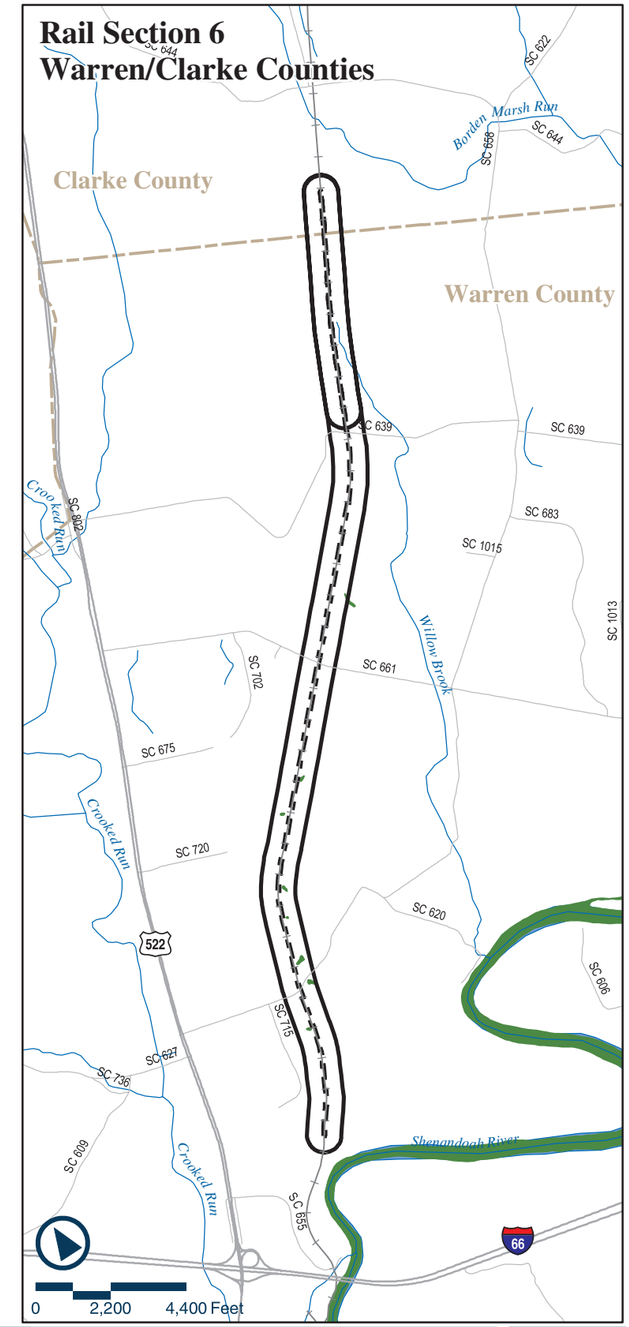
Potential Wetland and Stream Impacts:
Rail Improvement Sections 5, 6, 7, and 13

Rail Section	County	Wetland (ac)	Stream (lf)
5	Clarke	0.5	101
6	Warren	0	0
7	Warren	0	0
13	Pittsylvania	0.1	1,408









Impaired Streams
Wetlands
Limits of Rail Improvements
Study Area

GIS Source:

Impaired Streams ..... VA Department of Environmental Quality, 2003
Wetlands ..... VHB, 2004

Potential Impacts to Wetlands and Water Resources
Rail Corridor

Sheet 2 of 4

Figure
A-2

I-81 CORRIDOR IMPROVEMENT STUDY

Sheet 3 of 4

Potential Wetland and Stream Impacts: Rail Improvement Sections 8, 9, 10, and 11

Sheet 3 of 4

Potential Wetland and Stream Impacts:
Rail Improvement Sections 8, 9, 10, and 11

Rail Section	County	Wetland (ac)	Stream (lf)
8	Warren/Fauquier	0.4	4,619
9	Fauquier	1.7	229
10	Fauquier	0.2	0
11	Fauquier/Prince William	1.9	212

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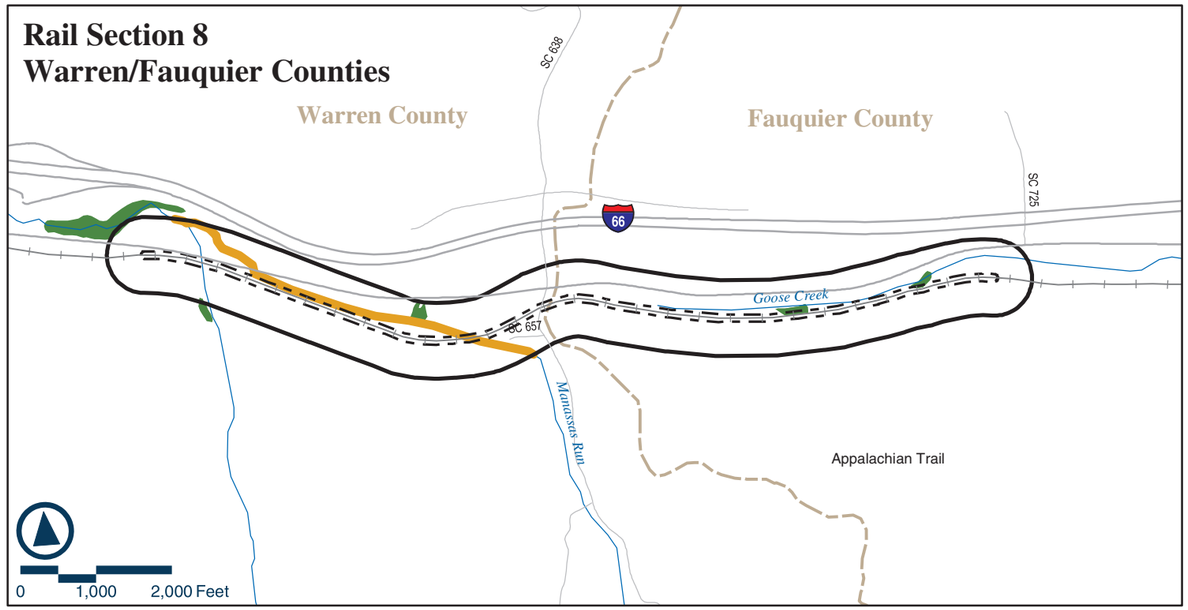

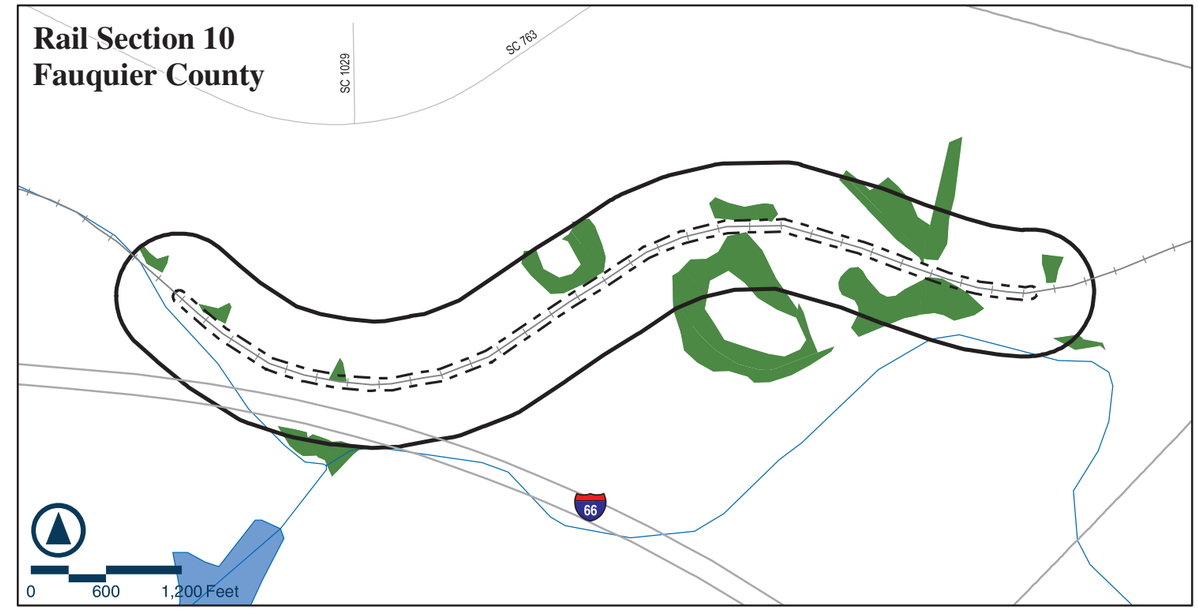

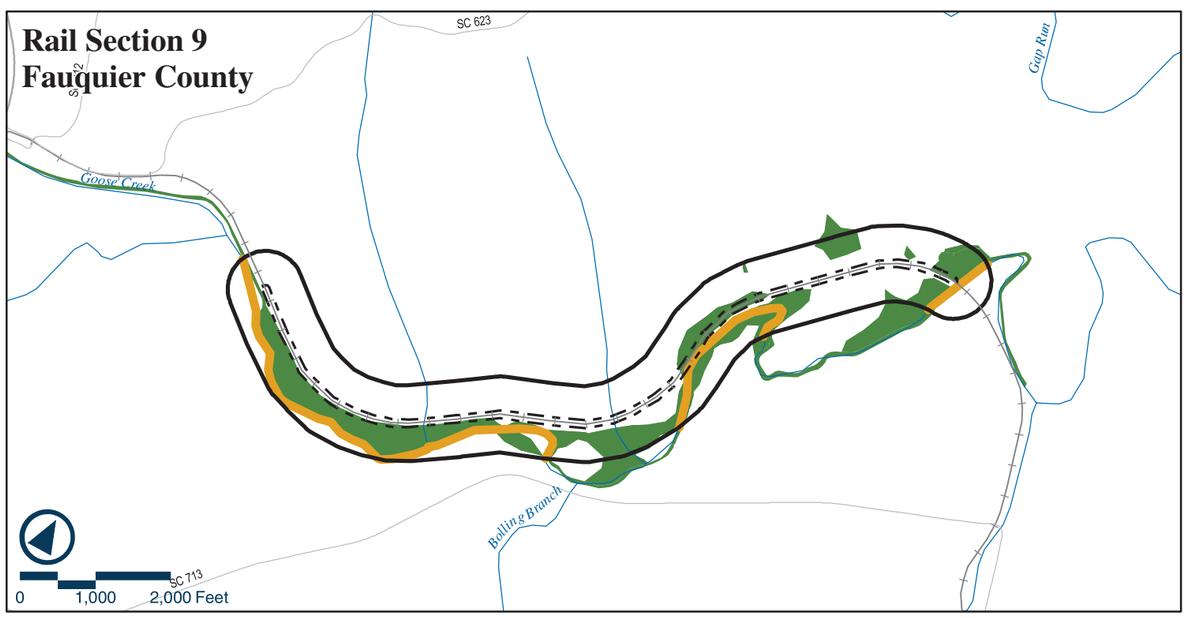

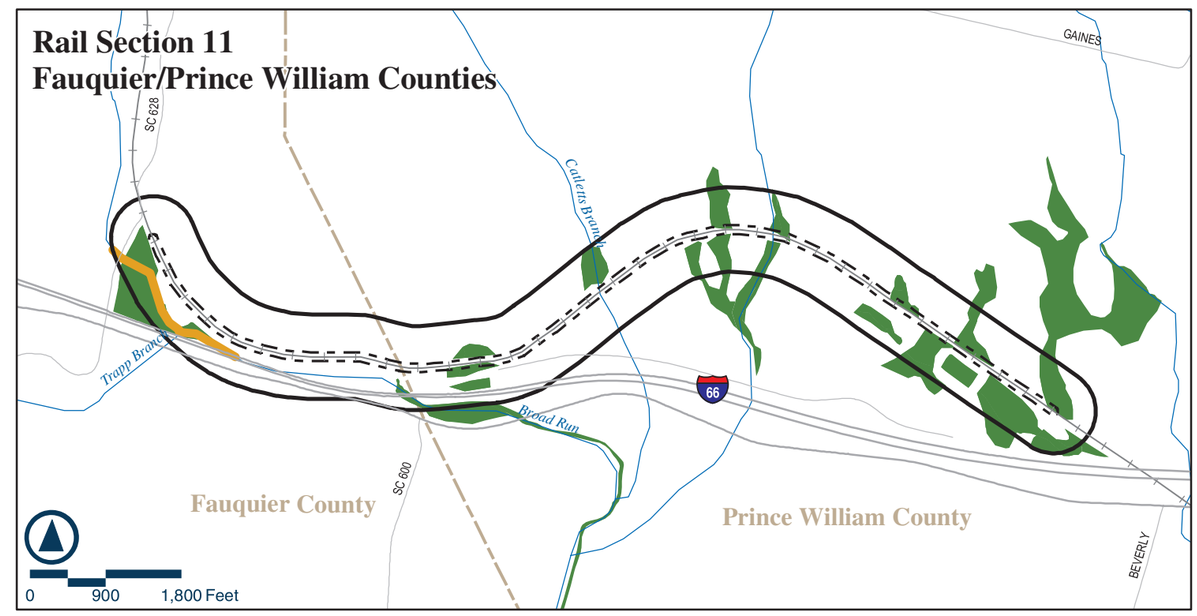

Impaired Streams
Wetlands
Limits of Rail Improvements
Study Area

GIS Source:

Impaired Streams ..... VA Department of Environmental Quality, 2003
Wetlands ..... VHB, 2004

Potential Impacts to Wetlands and Water Resources

Rail Corridor

Sheet 3 of 4

Figure **A-2**

I-81 CORRIDOR IMPROVEMENT STUDY

Sheet 4 of 4

Potential Wetland and Stream Impacts: Rail Improvement Section 12

Sheet 4 of 4

Potential Wetland and Stream Impacts:
Rail Improvement Section 12

Rail Section	County	Wetland (ac)	Stream (lf)
12	Prince William	3.3	12

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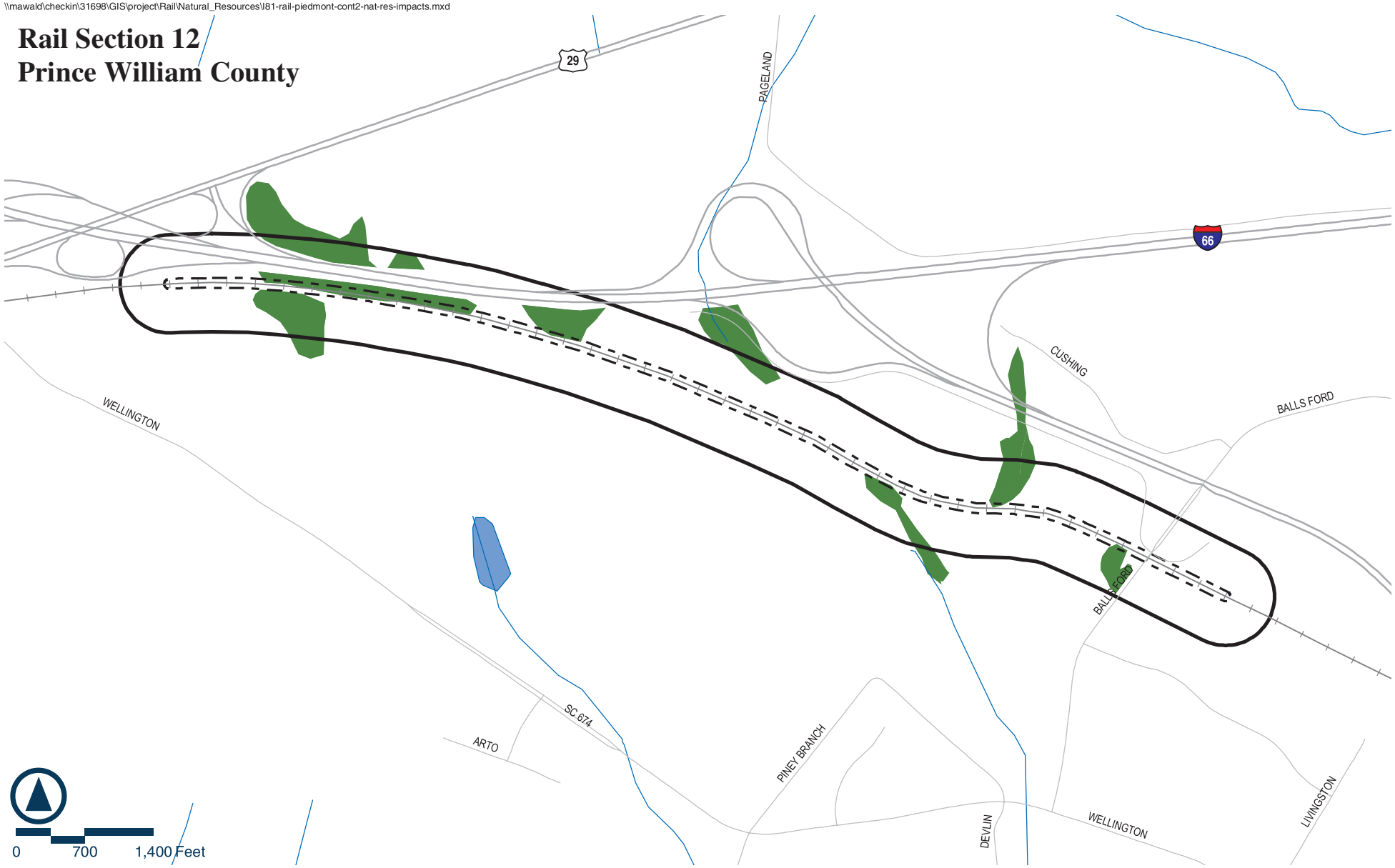
Rail Section 12
Prince William County



Impaired Streams
Wetlands
Limits of Rail Improvements
Study Area

GIS Source:

Impaired Streams ---------- VA Department of Environmental Quality, 2003
Wetlands ---------- VHB, 2004

Potential Impacts to Wetlands and Water Resources
Rail Corridor

Sheet 4 of 4

Figure
A-2

I-81 CORRIDOR IMPROVEMENT STUDY