



# Appendix A

Table A-1: Wetlands in I-81 Study Area

Table A-2: Streams in I-81 Study Area

Figure A-1: Potential Impacts to Wetlands and Streams - I-81 Corridor

Figure A-2: Potential Impacts to Wetlands and Streams - Rail Corridor



# Table A-1

## Wetlands in I-81 Study Area





Table A-1 All Wetlands in I-81 Study Area

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
1	1.64	East	Isolated	True	PUB	PUB				False			---	---	---	---	---	---	quarry
2	0.12	East	Contiguous	True	PEM	PEM				False			---	---	---	---	---	---	
3	0.12	East	Contiguous	True	PEM	PEM				False			---	---	---	---	---	---	
4	0.44	East	Contiguous	True	PEM	PEM				False			---	---	---	---	---	---	
5	0.10	East	Contiguous	True	PEM	PEM				False			---	---	---	---	---	---	
6	1.29	East	Contiguous	True	PEM	PEM				True	Onsite	5-20 acres	10%	60%	10%	20%	---	100%	
7	0.40	East	Contiguous	True	PUB	PUB				False			---	---	---	---	---	---	
8	0.16	East	Isolated	True	PUB	PUB				False			---	---	---	---	---	---	
9	0.21	East	Unknown	True	PUB	PEM	Inaccurate Mapping			False			---	---	---	---	---	---	
10	2.10	East	Unknown	True	PSS	PSS				False			---	---	---	---	---	---	
11	0.19	East	Isolated	True	PUB	PUB				False			---	---	---	---	---	---	Cattail fringe
12	0.04	East	Isolated	True	PUB	PUB				False			---	---	---	---	---	---	no fringe hydrophytes
13	0.17	East	Unknown	True	PUB	PUB				False			---	---	---	---	---	---	
14	0.14	East	Unknown	True	PUB	PEM	Evolution			False			---	---	---	---	---	---	
15	0.26	East	Isolated	True	PUB	PUB				False			---	---	---	---	---	---	
16	0.56	East	Unknown	True	PEM	PEM				False			---	---	---	---	---	---	
17	0.13	East	Isolated	True	PEM	PEM				False			---	---	---	---	---	---	could not be evaluated, inaccessible
18	4.99	East	Contiguous	True	R2UB	R2UB				False			---	---	---	---	---	---	
19	0.09	Median	Contiguous	True	R2UB	R2UB				False			---	---	---	---	---	---	
20	0.04	Median	Contiguous	True	R2UB	R2UB				False			---	---	---	---	---	---	
21	0.22	East	Isolated	True	PUB	PUB				False			---	---	---	---	---	---	
22	0.41	East	Isolated	True	PUB	PUB				False			---	---	---	---	---	---	
23	0.78	East	Isolated	True	PUB	PUB				False			---	---	---	---	---	---	previously mapped PEM downslope not present
24	0.16	East	Isolated	True	PUB	PUB				False			---	---	---	---	---	---	
25	0.21	East	Unknown	True	PUB	PUB				False			---	---	---	---	---	---	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
26	0.07	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
27	0.20	East	Isolated	True	PAB	PUB	Disturbed			False			...	...	...	...	...	...	inaccessible
28	1.50	East	Isolated	True	PUB	PRB	Inaccurate Mapping			False			...	...	...	...	...	...	abandoned quarry.
29	0.07	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
30	0.57	East	Isolated	True	PUB	PFO	Evolution			False			...	...	...	...	...	...	stormwater focus, silver maple flats 190 ft long.
31	0.32	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
32	0.03	East	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
33	0.02	West	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
34	0.23	Median	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
35	0.02	East	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
36	0.02	West	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
37	0.20	Median	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
38	1.03	East	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
39	1.41	East	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
40	2.80	East	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
41	0.20	East	Isolated	True	PEM	PEM				False			...	...	...	...	...	...	
42	0.37	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	active watering hole
43	0.01	Unknown	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
44	0.34	Unknown	Unknown	True	PUB	PSS	Evolution			False			...	...	...	...	...	...	still has PUB core.
45	0.38	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
46	0.19	East	Isolated	True	PEM	PUB	Evolution; Inaccurate Mapping			False			...	...	...	...	...	...	
47	0.38	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	aesthetic or borrow/quarry pond
48	0.36	East	Isolated	True	PUB	PEM	Drained; Evolution			False			...	...	...	...	...	...	posted property could not evaluate



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
49	0.06	East	Isolated	True	PEM	PUB	Inaccurate Mapping			False			...	...	...	...	...	...	
50	0.01	East	Isolated	True	PEM	PEM				False			...	...	...	...	...	...	
51	0.03	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
52	0.10	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
53	0.09	Unknown	Unknown	True	PUB	PEM	Evolution; Filled			False			...	...	...	...	...	...	Could not evaluate; looked non-wetland from distance.
54	0.35	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
55	0.27	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
56	0.02	Unknown	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
57	0.56	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
58	0.08	East	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	
59	0.02	East	Unknown	False				PFO		False			...	...	...	...	...	...	
60	0.01	Unknown	Unknown	False				PFO		False			...	...	...	...	...	...	30x15
61	0.16	East	Contiguous	False				PEM	Pasture	False			...	...	...	...	...	...	
62	0.06	East	Isolated	False				PEM		False			...	...	...	...	...	...	
63	0.03	East	Isolated	False				PFO		False			...	...	...	...	...	...	Borderline, impatiens, green ash
64	0.24	East	Contiguous	False				PUB	Farm Pond	False			...	...	...	...	...	...	No appreciable fringe of hydrophytes.
65	0.25	East	Unknown	True	PEM	PUB	Inaccurate Mapping			False			...	...	...	...	...	...	
66	0.58	East	Unknown	False				PEM	Pasture	True	Adjacent	< 5 acres	...	20%	80%	...	...	100%	
67	0.05	Median	Unknown	False				PEM		False			...	...	...	...	...	...	
68	0.14	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
69	0.23	East	Unknown	False				PEM	Pasture	False			...	...	...	...	...	...	
70	0.10	East	Isolated	False				PUB	Farm Pond	False			...	...	...	...	...	...	
71	0.26	Unknown	Unknown	True	PEM	PEM				False			...	...	...	...	...	...	inaccessible, basing outline on aerial.
72	0.11	East	Isolated	False				PEM		False			...	...	...	...	...	...	
73	0.12	East	Unknown	False				PEM		False			...	...	...	...	...	...	
74	0.64	East	Contiguous	False				PFO		False			...	...	...	...	...	...	Impatiens / sycamore understory. Stream incised 3-5 below floodplain.
75	0.16	East	Isolated	False				PEM	Farm Pond	False			...	...	...	...	...	...	
76	0.24	East	Isolated	False				PUB	Stormwater BMP	False			...	...	...	...	...	...	
77	0.05	East	Isolated	False				PUB	Stormwater BMP	False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
78	1.17	East	Contiguous	False				PFO		True	Adjacent	5-20 acres	30%	---	70%	---	100%	---	GW-monitoring well and flagging observed.
79	0.19	East	Isolated	False				PUB	Stormwater BMP	False			---	---	---	---	---	---	Checked configuration on aerials
80	0.97	East	Isolated	False				PUB	Stormwater BMP	False			---	---	---	---	---	---	New BMP associated with Wal-Mart. Location estimated.
81	0.12	East	Isolated	False						False			---	---	---	---	---	---	Inaccessible. Evaluation based on aerial.
82	0.14	East	Isolated	False				PUB	Farm Pond	False			---	---	---	---	---	---	
83	0.14	Unknown	Isolated	False				PUB	Farm Pond	False			---	---	---	---	---	---	
84	0.47	East	Isolated	True	PUB	PEM	Evolution; Inaccurate Mapping			False			---	---	---	---	---	---	
85	0.33	East	Unknown	False				PEM		False			---	---	---	---	---	---	Likely wetland only near highway, eleocharis present. Likely isolated.
86	0.05	East	Unknown	False				PUB	Farm Pond	False			---	---	---	---	---	---	
87	0.64	East	Isolated	False				PEM	Diked / Impounded; Pasture	False			---	---	---	---	---	---	
88	0.04	East	Isolated	False				PUB	Farm Pond	False			---	---	---	---	---	---	
89	0.04	East	Isolated	False				PUB	Artificial / Decorative	False			---	---	---	---	---	---	
90	0.18	East	Isolated	False				PEM	Farm Pond	False			---	---	---	---	---	---	
91	0.03	East	Isolated	False				PUB	Farm Pond	False			---	---	---	---	---	---	
92	0.02	East	Isolated	False				PEM	Stormwater BMP	False			---	---	---	---	---	---	
93	0.06	East	Isolated	False				PUB		False			---	---	---	---	---	---	
94	0.02	East	Isolated	False				PUB	Farm Pond	False			---	---	---	---	---	---	Downstream area dry / ephemeral.
95	0.21	East	Isolated	False				PUB	Stormwater BMP	False			---	---	---	---	---	---	
96	0.23	East	Isolated	False				PSS	Stormwater BMP	False			---	---	---	---	---	---	
97	0.06	Median	Isolated	False				PEM	Stormwater BMP	False			---	---	---	---	---	---	
98	0.05	East	Isolated	False				PEM	Stormwater	False			---	---	---	---	---	---	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
99	0.11	East	Isolated	False				PUB	Farm Pond	False			---	---	---	---	---	---	
100	0.19	East	Isolated	False				PFO		False			---	---	---	---	---	---	Karstic sinkhole observed, although no wetlands [black walnut, VA creeper].
101	2.13	East	Contiguous	False				PSS		False			---	---	---	---	---	---	Could not access directly, based call on view from bridge & aerial.
102	0.09	East	Isolated	False				PEM	Farm Pond	False			---	---	---	---	---	---	
103	0.03	East	Isolated	False				PUB	Farm Pond	False			---	---	---	---	---	---	Cattail fringe.
104	0.45	East	Isolated	False				PEM	Stormwater BMP	False			---	---	---	---	---	---	
105	0.20	East	Isolated	False				PEM	Stormwater BMP	False			---	---	---	---	---	---	Minor cattails in ditch.
106	0.73	East	Contiguous	False				PEM		False			---	---	---	---	---	---	
107	0.01	Median	Isolated	False				PEM		False			---	---	---	---	---	---	
108	0.17	East	Isolated	False				PEM		False			---	---	---	---	---	---	
109	1.34	East	Isolated	False				PEM		False			---	---	---	---	---	---	planted cypress tublings in wetland
110	0.77	East	Contiguous	False				PEM		False			---	---	---	---	---	---	
111	0.08	East	Contiguous	False				PEM		False			---	---	---	---	---	---	
112	0.06	East	Contiguous	False				PUB	Farm Pond	False			---	---	---	---	---	---	
113	0.75	East	Contiguous	False				PEM		False			---	---	---	---	---	---	
114	0.56	East	Contiguous	False				PEM		False			---	---	---	---	---	---	
115	0.18	Median	Contiguous	False				PEM		False			---	---	---	---	---	---	
116	0.68	East	Isolated	False				PEM		False			---	---	---	---	---	---	
117	1.00	East	Contiguous	False				PEM		False			---	---	---	---	---	---	
118	0.52	East	Contiguous	False				PEM		False			---	---	---	---	---	---	
119	0.64	East	Contiguous	False				PEM		False			---	---	---	---	---	---	
120	0.02	East	Isolated	False				PUB	Farm Pond	False			---	---	---	---	---	---	
121	0.64	East	Isolated	False					Unknown	False			---	---	---	---	---	---	Based on Quad map
122	0.04	West	Unknown	True	PEM	PEM				False			---	---	---	---	---	---	
123	0.11	West	Unknown	True	PEM	PEM				False			---	---	---	---	---	---	
124	0.25	West	Isolated	True	PUB	PUB				False			---	---	---	---	---	---	
125	0.19	West	Isolated	True	PUB	PUB				False			---	---	---	---	---	---	
126	0.68	West	Unknown	True	PUB	PUB				False			---	---	---	---	---	---	
127	0.45	Median	Unknown	True	PEM	PEM				False			---	---	---	---	---	---	
128	0.25	West	Unknown	True	PUB	PUB				False			---	---	---	---	---	---	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
129	0.33	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
130	1.30	Unknown	Unknown	True	PEM	PEM				False			...	...	...	...	...	...	
131	0.63	West	Contiguous	True	PEM	PEM				False			...	...	...	...	...	...	
132	2.52	West	Contiguous	True	PEM	PEM				False			...	...	...	...	...	...	
133	0.22	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
134	0.26	West	Isolated	True	PFO	PFO				False			...	...	...	...	...	...	
135	0.32	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
136	0.22	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
137	0.89	West	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
138	0.59	West	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
139	0.08	West	Unknown	False	PUB			PEM		False			...	...	...	...	...	...	
140	4.10	West	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	
141	0.68	West	Unknown	True	PEM	PSS	Evolution			False			...	...	...	...	...	...	
142	0.06	Unknown	Unknown	True	PEM	PEM				False			...	...	...	...	...	...	
143	0.09	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
144	0.08	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
145	0.05	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
146	0.20	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
147	0.25	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
148	0.26	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
149	0.28	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
150	0.28	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
151	0.50	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
152	0.19	West	Isolated	True	PAB	PAB				False			...	...	...	...	...	...	
153	0.23	West	Isolated	True	PEM	PEM				False			...	...	...	...	...	...	
154	0.94	West	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
155	0.04	Bridge	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
156	0.51	West	Isolated	True	PEM	PEM				False			...	...	...	...	...	...	
157	0.28	West	Isolated	True	PEM	PEM				False			...	...	...	...	...	...	
158	0.18	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
159	0.19	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
160	0.31	West	Isolated	False	PUB					False			...	...	...	...	...	...	
319	0.03	West	Isolated	False				PEM		False			...	...	...	...	...	...	
320	5.31	West	Contiguous	False				PEM		False			...	...	...	...	...	...	
321	0.03	West	Unknown	False				PUB		False			...	...	...	...	...	...	
322	0.23	West	Unknown	False				PEM		False			...	...	...	...	...	...	
323	1.22	West	Unknown	False				PEM		False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
324	0.01	West	Isolated	False				PEM		False			...	...	...	...	...	...	
325	0.32	West	Unknown	False				PEM		False			...	...	...	...	...	...	
326	0.32	West	Isolated	False				PEM		False			...	...	...	...	...	...	
327	2.86	West	Contiguous	False				PFO		False			...	...	...	...	...	...	
328	0.14	West	Unknown	False				PEM		False			...	...	...	...	...	...	
329	0.25	Unknown	Contiguous	False				PEM		False			...	...	...	...	...	...	
330	1.19	West	Unknown	False				PEM		False			...	...	...	...	...	...	
331	0.53	West	Isolated	False				PEM		False			...	...	...	...	...	...	seep
161	0.72	West	Isolated	True	PEM	PEM				False			...	...	...	...	...	...	
162	0.14	West	Isolated	True	PEM	PEM				False			...	...	...	...	...	...	
163	2.09	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
164	0.18	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
165	0.24	West	Isolated	True	PEM	PEM				False			...	...	...	...	...	...	
166	0.24	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
167	0.06	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
168	0.60	West	Isolated	True	PEM	PEM				False			...	...	...	...	...	...	
169	0.19	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
170	0.13	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
171	0.21	West	Isolated	True	PEM	PEM				False			...	...	...	...	...	...	
172	0.28	West	Isolated	True	PEM	PEM				False			...	...	...	...	...	...	
173	0.31	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
174	0.34	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
175	0.02	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
176	0.28	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
177	0.11	West	Isolated	True	PUB	PEM	Inaccurate Mapping			False			...	...	...	...	...	...	
178	0.19	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
179	0.59	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
180	0.39	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
181	0.24	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
182	0.56	East	Isolated	True	PEM	PEM				False			...	...	...	...	...	...	
183	0.15	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
184	0.09	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
185	0.16	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
186	0.27	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
187	0.19	East	Unknown	True	PUB	PEM				False			...	...	...	...	...	...	
188	0.11	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
189	0.47	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
190	0.12	West	Unknown	True	PUB	PEM				False			...	...	...	...	...	...	
191	0.30	Unknown	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
192	0.20	Unknown	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	Quad Mapped Farm Pond
193	5.18	East	Isolated	True	PUB		Quarry			False			...	...	...	...	...	...	quarry
194	0.27	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
195	0.01	West	Unknown	False				PEM		False			...	...	...	...	...	...	
196	0.24	West	Unknown	False				PEM		False			...	...	...	...	...	...	
197	0.05	West	Isolated	False				PFO	Diked / Impounded	False			...	...	...	...	...	...	
198	0.17	West	Isolated	False				PEM	Diked / Impounded	False			...	...	...	...	...	...	
199	0.27	West	Isolated	False				PEM	Diked / Impounded	False			...	...	...	...	...	...	
200	0.33	West	Unknown	False				PEM	Diked / Impounded	False			...	...	...	...	...	...	
201	0.14	West	Isolated	False				POW	Diked / Impounded; Farm Pond	False			...	...	...	...	...	...	
202	0.17	West	Unknown	False				PEM	Farm Pond	False			...	...	...	...	...	...	
203	0.09	West	Unknown	False				PEM	Farm Pond	False			...	...	...	...	...	...	
204	0.36	West	Unknown	False				PEM	Farm Pond	False			...	...	...	...	...	...	
205	0.11	West	Unknown	False				PFO	Farm Pond	False			...	...	...	...	...	...	
206	0.13	West	Unknown	False				POW	Farm Pond	False			...	...	...	...	...	...	
207	0.14	West	Unknown	False				PEM		False			...	...	...	...	...	...	
208	0.43	West	Unknown	False				PEM	Stormwater BMP	False			...	...	...	...	...	...	
209	0.27	West	Isolated	False				PEM		False			...	...	...	...	...	...	
210	0.52	East	Isolated	False				PEM		False			...	...	...	...	...	...	
211	0.09	East	Unknown	False				PFO		False			...	...	...	...	...	...	
212	0.19	East	Contiguous	False				PFO		False			...	...	...	...	...	...	
213	0.11	Unknown	Isolated	False				PUB	Farm Pond	False			...	...	...	...	...	...	
214	0.87	East	Unknown	False				PUB	Mitigation Site	False			...	...	...	...	...	...	
215	0.01	Median	Unknown	False				PEM		False			...	...	...	...	...	...	
216	0.02	Median	Unknown	False				PEM		False			...	...	...	...	...	...	
217	0.05	Median	Contiguous	False				PEM		False			...	...	...	...	...	...	
218	0.10	Median	Unknown	False				PEM		False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
219	0.02	Median	Unknown	False				PEM		False			...	...	...	...	...	...	
220	0.12	Median	Unknown	False				PEM		False			...	...	...	...	...	...	
221	0.12	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
222	0.06	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
223	0.28	East	Unknown	False				PEM		False			...	...	...	...	...	...	
224	0.04	East	Unknown	False				PEM		False			...	...	...	...	...	...	
225	0.08	Median	Isolated	False				PEM		False			...	...	...	...	...	...	
226	0.10	Median	Isolated	False				PEM		False			...	...	...	...	...	...	
227	0.11	Median	Isolated	False				PEM		False			...	...	...	...	...	...	
228	0.09	East	Unknown	False				PEM		False			...	...	...	...	...	...	
229	0.11	East	Unknown	False				PEM		False			...	...	...	...	...	...	
230	0.10	East	Isolated	False				PEM		False			...	...	...	...	...	...	
231	0.15	East	Isolated	False				PEM		False			...	...	...	...	...	...	
232	0.25	East	Isolated	False				PEM		False			...	...	...	...	...	...	
233	0.38	East	Unknown	False				PFO		False			...	...	...	...	...	...	
234	0.15	East	Unknown	False				PEM		False			...	...	...	...	...	...	
235	0.08	East	Isolated	False				PEM		False			...	...	...	...	...	...	
236	0.06	East	Isolated	False				PEM		False			...	...	...	...	...	...	
237	0.12	East	Isolated	False				PEM		False			...	...	...	...	...	...	
238	0.36	East	Unknown	False				PEM		False			...	...	...	...	...	...	
239	0.22	East	Unknown	False				PSS		False			...	...	...	...	...	...	
240	0.10	East	Unknown	False				PEM		False			...	...	...	...	...	...	
241	0.38	East	Unknown	False				PEM		False			...	...	...	...	...	...	
242	0.05	East	Isolated	False				PEM		False			...	...	...	...	...	...	
243	0.31	East	Unknown	False				PEM		False			...	...	...	...	...	...	
244	0.33	East	Isolated	False				PEM		False			...	...	...	...	...	...	
245	0.32	East	Isolated	False				PFO		False			...	...	...	...	...	...	
246	0.13	Median	Unknown	False				PEM		False			...	...	...	...	...	...	
247	0.23	East	Unknown	False				PEM		False			...	...	...	...	...	...	
248	0.08	Median	Unknown	False				PEM		False			...	...	...	...	...	...	
249	0.07	East	Isolated	False				PSS		False			...	...	...	...	...	...	
250	0.28	East	Isolated	False				PFO		False			...	...	...	...	...	...	
251	1.16	East	Contiguous	False				PFO		False			...	...	...	...	...	...	
252	0.11	East	Unknown	False				PEM		False			...	...	...	...	...	...	
253	0.47	East	Isolated	False				PFO		False			...	...	...	...	...	...	
254	0.05	East	Isolated	False				PEM		False			...	...	...	...	...	...	
255	0.13	East	Unknown	False				PEM		False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
256	0.12	East	Unknown	False				PEM		False			...	...	...	...	...	...	
257	0.08	East	Unknown	False				PEM		False			...	...	...	...	...	...	
258	0.39	East	Unknown	False				PEM		False			...	...	...	...	...	...	
259	1.23	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
260	0.26	East	Unknown	False				PEM		False			...	...	...	...	...	...	
261	0.05	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
262	0.03	East	Unknown	False				PEM		False			...	...	...	...	...	...	
263	0.58	East	Unknown	False				PFO		False			...	...	...	...	...	...	
264	0.11	East	Unknown	False				PEM		False			...	...	...	...	...	...	
265	0.23	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
266	0.02	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
267	0.22	East	Unknown	False				PEM		False			...	...	...	...	...	...	
268	0.02	East	Unknown	False				PEM		False			...	...	...	...	...	...	
269	0.06	East	Unknown	False				PSS		False			...	...	...	...	...	...	
270	0.04	East	Unknown	False				PEM		False			...	...	...	...	...	...	
271	0.00	East	Isolated	False				PEM		False			...	...	...	...	...	...	
272	0.06	East	Isolated	False				PEM		False			...	...	...	...	...	...	
273	0.10	East	Isolated	False				PEM		False			...	...	...	...	...	...	
274	0.23	East	Isolated	False				PSS		False			...	...	...	...	...	...	
275	0.01	East	Isolated	False				PEM		False			...	...	...	...	...	...	
276	0.02	East	Isolated	False				PEM		False			...	...	...	...	...	...	
277	0.02	Median	Contiguous	False				PEM		False			...	...	...	...	...	...	
278	0.15	East	Unknown	False				PEM		False			...	...	...	...	...	...	
279	0.07	Median	Unknown	False				PEM		False			...	...	...	...	...	...	
280	0.23	East	Unknown	False				PEM		False			...	...	...	...	...	...	
281	0.65	East	Unknown	False				PEM		False			...	...	...	...	...	...	
282	0.30	East	Unknown	False				PFO		False			...	...	...	...	...	...	
283	0.04	East	Unknown	False				PEM		False			...	...	...	...	...	...	
284	0.29	East	Contiguous	False				PFO		False			...	...	...	...	...	...	
285	0.07	East	Isolated	False				PEM		False			...	...	...	...	...	...	
286	0.31	East	Unknown	False				PFO		False			...	...	...	...	...	...	
287	0.30	East	Unknown	False				PEM		False			...	...	...	...	...	...	
288	0.09	East	Unknown	False				PFO		False			...	...	...	...	...	...	
289	0.12	East	Isolated	False				PFO		False			...	...	...	...	...	...	
290	0.17	East	Isolated	False				PFO		False			...	...	...	...	...	...	
291	0.68	East	Unknown	False				PFO		False			...	...	...	...	...	...	flagged wetland
292	0.03	East	Contiguous	False				PEM		False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
293	0.07	East	Contiguous	False				PFO		False			...	...	...	...	...	...	
294	0.31	East	Unknown	False				PSS		False			...	...	...	...	...	...	
295	2.65	East	Unknown	False				PFO		False			...	...	...	...	...	...	
296	0.33	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
297	0.04	East	Unknown	False				PUB	Artificial / Decorative: Farm Pond	False			...	...	...	...	...	...	
298	0.22	East	Isolated	False				PEM	Farm Pond	False			...	...	...	...	...	...	
299	0.06	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
300	0.07	West	Contiguous	False				PEM		False			...	...	...	...	...	...	
301	0.48	West	Contiguous	False				PEM		False			...	...	...	...	...	...	
302	0.28	West	Contiguous	False				PFO		False			...	...	...	...	...	...	
303	0.31	West	Isolated	False				PEM		False			...	...	...	...	...	...	
304	0.03	West	Isolated	False				PEM		False			...	...	...	...	...	...	
305	0.05	West	Unknown	False				PEM		False			...	...	...	...	...	...	
306	0.23	West	Unknown	False				PSS		False			...	...	...	...	...	...	
307	0.36	West	Isolated	False				PEM		False			...	...	...	...	...	...	
308	0.17	West	Isolated	False				PEM		False			...	...	...	...	...	...	
309	0.29	West	Unknown	False				PEM		False			...	...	...	...	...	...	
310	0.08	West	Isolated	False				PUB	Farm Pond	False			...	...	...	...	...	...	
311	0.10	West	Isolated	False				PEM		False			...	...	...	...	...	...	
312	0.44	West	Contiguous	False				PFO		False			...	...	...	...	...	...	
313	0.07	West	Isolated	False				PEM		False			...	...	...	...	...	...	
314	0.14	West	Unknown	False				PEM		False			...	...	...	...	...	...	
315	1.31	West	Unknown	False				PSS		False			...	...	...	...	...	...	
316	0.04	West	Isolated	False				PEM		False			...	...	...	...	...	...	
317	0.03	West	Isolated	False				PEM		False			...	...	...	...	...	...	
318	0.06	West	Unknown	False				PEM		False			...	...	...	...	...	...	
332	0.17	West	Isolated	False				PSS		False			...	...	...	...	...	...	
333	0.16	West	Isolated	False				PSS		False			...	...	...	...	...	...	
334	0.08	Median	Isolated	False				PEM		False			...	...	...	...	...	...	
335	0.07	West	Unknown	False				PEM		False			...	...	...	...	...	...	
336	0.17	West	Isolated	False				PFO		False			...	...	...	...	...	...	
337	0.54	West	Unknown	False				PEM		False			...	...	...	...	...	...	
338	0.04	Median	Unknown	False				PEM		False			...	...	...	...	...	...	
339	1.62	West	Unknown	False				PUB	Farm Pond	False			...	...	...	...	...	...	
340	0.34	West	Unknown	False				PEM		False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
341	0.07	West	Isolated	False				PEM		False			...	...	...	...	...	...	
342	0.50	West	Isolated	False				PEM		False			...	...	...	...	...	...	
343	0.07	West	Isolated	False				PEM		False			...	...	...	...	...	...	
344	0.08	West	Isolated	False				PEM		False			...	...	...	...	...	...	
345	0.06	West	Isolated	False				PEM	Stormwater BMP	False			...	...	...	...	...	...	
346	0.02	West	Isolated	False				PEM		False			...	...	...	...	...	...	
347	0.03	West	Isolated	False				PSS		False			...	...	...	...	...	...	
348	0.02	West	Isolated	False				PEM		False			...	...	...	...	...	...	
349	0.06	West	Isolated	False				PEM		False			...	...	...	...	...	...	
350	0.06	West	Unknown	False				PEM		False			...	...	...	...	...	...	
351	0.24	West	Unknown	False				PFO		False			...	...	...	...	...	...	
352	0.29	West	Unknown	False				PEM		False			...	...	...	...	...	...	
353	0.09	West	Isolated	False				PEM		False			...	...	...	...	...	...	
354	0.66	West	Isolated	False				PEM		False			...	...	...	...	...	...	
355	0.06	West	Isolated	False				PEM		False			...	...	...	...	...	...	
356	0.06	West	Unknown	False				PEM		False			...	...	...	...	...	...	
357	0.03	West	Isolated	False				PEM		False			...	...	...	...	...	...	
358	0.06	West	Isolated	False				PEM		False			...	...	...	...	...	...	
359	0.19	West	Unknown	False				PEM		False			...	...	...	...	...	...	
360	0.03	West	Isolated	False				PEM		False			...	...	...	...	...	...	
361	0.46	West	Isolated	False				PEM		False			...	...	...	...	...	...	
362	0.14	West	Isolated	False				PEM		False			...	...	...	...	...	...	
363	0.05	West	Isolated	False				PEM		False			...	...	...	...	...	...	
364	0.06	West	Unknown	False				PEM		False			...	...	...	...	...	...	
365	0.04	West	Contiguous	False				PUB		False			...	...	...	...	...	...	
366	0.09	West	Isolated	False				PUB		False			...	...	...	...	...	...	
367	0.18	West	Isolated	False				PEM		False			...	...	...	...	...	...	
368	0.10	West	Isolated	False				PEM		False			...	...	...	...	...	...	
369	0.96	West	Unknown	False				PUB	Farm Pond	False			...	...	...	...	...	...	
370	1.35	West	Isolated	False				PUB	Stormwater BMP	False			...	...	...	...	...	...	
371	0.11	West	Isolated	False				PUB	Artificial / Decorative	False			...	...	...	...	...	...	
372	0.16	West	Isolated	False				PEM	Artificial / Decorative	False			...	...	...	...	...	...	
373	0.08	West	Isolated	False				PEM		False			...	...	...	...	...	...	
374	0.77	West	Unknown	False				PUB	Farm Pond	False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
375	0.04	West	Isolated	False				PEM	Farm Pond	False			...	...	...	...	...	...	
376	0.92	West	Contiguous	False				PEM		False			...	...	...	...	...	...	
377	0.08	West	Contiguous	False				PEM		False			...	...	...	...	...	...	
378	0.35	West	Unknown	False				PEM		False			...	...	...	...	...	...	main portion of channel 10 feet wide
379	0.20	West	Unknown	False				PEM	Farm Pond	False			...	...	...	...	...	...	
380	0.81	West	Contiguous	False				PFO		False			...	...	...	...	...	...	
381	0.19	West	Contiguous	False				PEM		False			...	...	...	...	...	...	
382	0.14	West	Contiguous	False				PEM		False			...	...	...	...	...	...	
383	0.62	West	Unknown	False				PEM	Stormwater BMP	False			...	...	...	...	...	...	
384	0.03	West	Unknown	False				PEM		False			...	...	...	...	...	...	
385	0.05	West	Unknown	False				PUB	Stormwater BMP	False			...	...	...	...	...	...	
386	0.58	West	Isolated	False				PFO		False			...	...	...	...	...	...	
387	0.26	West	Isolated	False				PEM		False			...	...	...	...	...	...	
388	0.14	West	Unknown	False				PUB	Farm Pond	False			...	...	...	...	...	...	
389	0.10	West	Unknown	False				PEM		False			...	...	...	...	...	...	
390	0.22	West	Unknown	False				PEM		False			...	...	...	...	...	...	
391	0.16	West	Unknown	False				PEM		False			...	...	...	...	...	...	
392	0.13	West	Isolated	False				PEM		False			...	...	...	...	...	...	
393	0.15	West	Unknown	False				PEM		False			...	...	...	...	...	...	
394	0.93	West	Contiguous	False				PEM		False			...	...	...	...	...	...	
395	0.11	West	Contiguous	False						False			...	...	...	...	...	...	
396	0.02	West	Contiguous	False				PEM		False			...	...	...	...	...	...	
397	0.04	West	Contiguous	False				PEM		False			...	...	...	...	...	...	
398	0.83	West	Contiguous	False				PUB	Stormwater BMP	False			...	...	...	...	...	...	
399	0.30	West	Isolated	False				PEM		False			...	...	...	...	...	...	
400	1.02	West	Isolated	False				PEM		False			...	...	...	...	...	...	
401	0.11	West	Unknown	False				PEM		False			...	...	...	...	...	...	
402	0.20	West	Contiguous	False				PUB	Stormwater BMP	False			...	...	...	...	...	...	
403	0.05	West	Isolated	False				PEM		False			...	...	...	...	...	...	
404	0.24	West	Isolated	False				PEM		False			...	...	...	...	...	...	
405	0.27	West	Contiguous	False				PEM		False			...	...	...	...	...	...	
406	1.88	West	Isolated	False				PEM		False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
407	0.62	West	Unknown	False				PUB	Farm Pond	False			...	...	...	...	...	...	
408	0.15	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
409	0.19	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
410	0.17	East	Unknown	False				PUB	Farm Pond	False			...	...	...	...	...	...	
411	0.50	West	Contiguous	False				PUB	Diked / Impounded	False			...	...	...	...	...	...	
412	0.77	West	Unknown	False				PEM		False			...	...	...	...	...	...	Not field verified
413	0.09	West	Unknown	False				PEM		False			...	...	...	...	...	...	
414	0.32	West	Contiguous	False				PSS		False			...	...	...	...	...	...	
415	0.03	East	Unknown	False				PEM		False			...	...	...	...	...	...	
416	0.10	East	Unknown	False				PEM		False			...	...	...	...	...	...	
417	0.28	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
418	0.77	West	Isolated	False				POW	Quarry	False			...	...	...	...	...	...	Appears that quarry has been expanded
50001	0.24	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50002	0.75	East	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	
50003	0.14	Unknown	Unknown	True	PUS	PUS				False			...	...	...	...	...	...	could not confirm status - private golf course
50004	1.86	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50018	0.12	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50019	1.25	East	Contiguous	True	L1UB	L1UB				False			...	...	...	...	...	...	
50020	1.70	East	Contiguous	True	L1UB	L1UB				False			...	...	...	...	...	...	
50021	0.35	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50022	0.14	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50023	3.08	East	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
50024	2.46	East	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
50025	2.17	East	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	farm pond
50026	0.11	East	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	
50027	0.19	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50028	0.22	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50029	0.21	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50030	0.19	East	Contiguous	True	PUB	PEM	Evolution			False			...	...	...	...	...	...	
50031	0.67	East	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	
50032	1.02	East	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	
50033	0.19	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50034	0.49	East	Unknown	True	PUS	PEM	Evolution			False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
50035	0.08	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50036	0.05	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50037	0.21	East	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	
50038	0.45	East	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	
50039	1.11	East	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	
50040	0.17	East	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	
50041	0.35	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	farm pond
50042	0.45	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50043	0.60	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50005	0.06	East	Contiguous	True	PEM	PEM				False			...	...	...	...	...	...	
50006	0.27	East	Contiguous	True	PUB	PEM	Evolution			False			...	...	...	...	...	...	
50007	1.72	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	golf course pond
50008	1.82	East	Contiguous	True	PSS	PSS				False			...	...	...	...	...	...	
50009	5.42	East	Contiguous	True	PEM	PEM				False			...	...	...	...	...	...	
50010	0.19	East	Unknown	True	PEM	PUB	Inaccurate Mapping			False			...	...	...	...	...	...	appears spring fed; covered in duckweed
50011	0.34	East	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	
50012	0.24	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50013	0.13	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50014	0.17	East	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50015	0.07	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	could not access
50016	0.12	East	Contiguous	False	PEM					False			...	...	...	...	...	...	
50017	0.35	East	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	emergent fringe
50083	0.10	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50084	0.78	East	Contiguous	False				PUB	Diked / Impounded	False			...	...	...	...	...	...	
50085	0.28	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50086	0.02	East	Unknown	False				PEM		False			...	...	...	...	...	...	
50087	0.14	East	Unknown	False				PEM		False			...	...	...	...	...	...	
50088	0.30	East	Isolated	False				PEM		False			...	...	...	...	...	...	
50089	2.39	East	Unknown	False				PFO		False			...	...	...	...	...	...	
50090	0.12	East	Unknown	False				PEM		False			...	...	...	...	...	...	
50091	0.05	East	Unknown	False				PFO		False			...	...	...	...	...	...	spring
50092	0.13	East	Unknown	False				PEM		False			...	...	...	...	...	...	appears seep fed
50093	0.51	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50094	2.02	East	Unknown	False				PEM		False			...	...	...	...	...	...	
50095	0.22	East	Unknown	False				PEM		False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
50044	0.10	Unknown	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	
50045	0.18	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50046	0.04	East	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	could not access due to private property
50047	2.57	East	Contiguous	True	R2UB	R2UB				False			...	...	...	...	...	...	
50048	0.59	West	Isolated	True	PEM	PEM				False			...	...	...	...	...	...	
50049	0.30	East	Unknown	True	PEM	PEM				False			...	...	...	...	...	...	
50050	0.23	East	Contiguous	False				PUB		False			...	...	...	...	...	...	
50051	0.12	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50052	0.07	Unknown	Unknown	False				PUB		False			...	...	...	...	...	...	
50053	0.24	East	Unknown	False				PEM		False			...	...	...	...	...	...	
50054	0.49	East	Unknown	False				PFO		False			...	...	...	...	...	...	
50055	4.87	East	Unknown	False				PFO		False			...	...	...	...	...	...	
50056	0.21	West	Contiguous	False				PFO		False			...	...	...	...	...	...	Spring-fed area.
50057	1.50	East	Contiguous	False				PFO		False			...	...	...	...	...	...	
50058	1.04	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50059	0.15	East	Isolated	False				PUB		False			...	...	...	...	...	...	did not investigate
50060	0.18	East	Unknown	False				PEM	Spring Fed	False			...	...	...	...	...	...	spring fed
50061	0.03	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50062	1.48	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50063	0.17	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50064	0.20	East	Isolated	False				PEM	Farm Pond	False			...	...	...	...	...	...	abandoned farm pond
50065	0.14	East	Isolated	False				PUB	Stormwater BMP	False			...	...	...	...	...	...	stormwater BMP for Whites truck stop with product (spill) recovery system
50066	0.24	East	Unknown	False				PEM		False			...	...	...	...	...	...	
50067	0.11	East	Contiguous	False				PEM	Diked / Impounded	False			...	...	...	...	...	...	
50068	0.23	East	Isolated	False				PUB	Farm Pond	False			...	...	...	...	...	...	
50069	0.17	East	Unknown	False				PUB	Farm Pond	False			...	...	...	...	...	...	
50070	0.77	East	Isolated	False				PUB	Quarry	False			...	...	...	...	...	...	water is being pumped from nearby creek into quarry
50071	0.30	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50072	0.06	East	Contiguous	False				PFO		False			...	...	...	...	...	...	seep from quarry
50073	0.20	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50074	1.73	East	Contiguous	False				PFO		False			...	...	...	...	...	...	
50075	0.40	Unknown	Contiguous	False				PEM		False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
50076	0.11	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50077	0.07	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50078	0.03	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50079	0.01	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50080	0.65	East	Contiguous	False				PUB	Beaver Pond	False			...	...	...	...	...	...	
50081	1.68	East	Contiguous	False				PFO		False			...	...	...	...	...	...	
50082	0.12	East	Isolated	False				PEM	Diked / Impounded; Farm Pond	False			...	...	...	...	...	...	
50096	0.29	East	Unknown	False				PEM		False			...	...	...	...	...	...	
50097	0.03	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50098	0.99	East	Unknown	False				PFO		False			...	...	...	...	...	...	
50099	0.07	East	Unknown	False				PSS		False			...	...	...	...	...	...	
50100	0.76	East	Unknown	False				PSS		False			...	...	...	...	...	...	
50101	0.10	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50102	0.52	Unknown	Unknown	False				PEM		False			...	...	...	...	...	...	
50103	2.76	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50104	0.45	East	Unknown	False				PEM		False			...	...	...	...	...	...	
50105	0.48	East	Unknown	False				PEM		False			...	...	...	...	...	...	
50106	1.49	East	Contiguous	False				PUB		False			...	...	...	...	...	...	
50107	0.33	East	Contiguous	False				PEM	Farm Pond	False			...	...	...	...	...	...	
50108	1.48	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50109	0.11	East	Contiguous	False				PSS		False			...	...	...	...	...	...	
50110	5.08	East	Contiguous	False				PEM		False			...	...	...	...	...	...	wetland enhancement potential
50111	0.46	East	Contiguous	False				PEM	Stormwater BMP	False			...	...	...	...	...	...	
50112	0.43	East	Contiguous	False				PEM	Farm Pond	False			...	...	...	...	...	...	
50113	2.28	East	Contiguous	False				PUB	Farm Pond	False			...	...	...	...	...	...	
50114	0.79	East	Contiguous	False				PEM	Farm Pond	False			...	...	...	...	...	...	
50115	0.01	East	Isolated	False				PEM		False			...	...	...	...	...	...	
50116	0.03	East	Isolated	False				PEM		False			...	...	...	...	...	...	
50117	0.96	East	Contiguous	False				PEM	Farm Pond	False			...	...	...	...	...	...	
50118	0.06	East	Contiguous	False				PUB	Farm Pond	False			...	...	...	...	...	...	
50119	0.36	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50120	0.06	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50121	1.18	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50122	0.26	East	Contiguous	False				PUB	Farm Pond	False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
50123	0.04	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50124	0.64	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50125	1.20	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50126	0.22	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50127	0.27	East	Contiguous	False				PUB	Farm Pond	False			...	...	...	...	...	...	
50128	0.01	East	Isolated	False				PUB	Farm Pond	False			...	...	...	...	...	...	
50129	0.02	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50130	0.01	East	Isolated	False				PEM		False			...	...	...	...	...	...	
50131	0.67	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50132	0.51	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50133	0.08	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50134	0.07	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50135	1.53	East	Contiguous	False				PUB	Stormwater BMP	False			...	...	...	...	...	...	
50136	0.31	East	Contiguous	False				PEM	Stormwater BMP	False			...	...	...	...	...	...	
50137	0.01	East	Isolated	False				PUB	Farm Pond	False			...	...	...	...	...	...	
50138	0.33	East	Unknown	False				PEM		False			...	...	...	...	...	...	
50139	0.15	East	Contiguous	False				PUB	Stormwater BMP	False			...	...	...	...	...	...	
50140	0.05	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50141	0.06	East	Contiguous	False				PEM		False			...	...	...	...	...	...	
50142	1.94	East	Isolated	False				PUB	Quarry	False			...	...	...	...	...	...	
50143	0.39	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50144	0.34	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50145	0.34	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50146	0.68	West	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	
50147	0.18	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50148	0.11	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50149	2.31	Unknown	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	sewage treatment facility
50150	0.20	Unknown	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50151	0.80	Unknown	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50152	0.25	Unknown	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50153	0.09	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50154	0.10	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50155	0.06	Unknown	Unknown	True	PSS	PSS/PEM	Cleared			False			...	...	...	...	...	...	
50156	0.97	Unknown	Contiguous	True	PSS	PSS/PEM	Cleared			False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
50157	0.60	West	Isolated	True	PEM	PUB	Excavated			False			...	...	...	...	...	...	
50158	0.23	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50159	0.22	West	Unknown	True	PUB	PEM	Evolution			False			...	...	...	...	...	...	small open water area
50160	0.70	Unknown	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50161	0.21	Unknown	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50162	0.93	Unknown	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50163	1.46	West	Unknown	True	L1UB	L1UB				False			...	...	...	...	...	...	
50164	1.27	West	Unknown	True	L1UB	L1UB				False			...	...	...	...	...	...	
50165	0.11	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50166	0.11	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50167	0.04	West	Isolated	True	PUB	PEM	Drained			False			...	...	...	...	...	...	
50168	0.11	West	Isolated	True	PUB	PEM	Drained			False			...	...	...	...	...	...	
50169	0.24	Unknown	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50170	0.08	Unknown	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50171	0.65	West	Unknown	True	PFO	PFO				False			...	...	...	...	...	...	
50172	0.28	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50173	0.25	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50174	0.59	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50175	0.45	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50176	0.56	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50177	0.08	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50178	0.16	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50179	0.26	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50180	0.12	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50181	0.31	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50182	0.33	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50183	0.15	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50184	0.10	West	Isolated	True	PUS	PUS				False			...	...	...	...	...	...	
50185	0.05	West	Unknown	True	PEM	PEM				False			...	...	...	...	...	...	
50186	2.31	West	Contiguous	True	PUB	PUB				False			...	...	...	...	...	...	
50187	0.53	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50188	0.47	West	Unknown	True	PUB	PUB				False			...	...	...	...	...	...	
50189	0.36	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	
50190	0.03	West	Unknown	True	PEM	PEM				False			...	...	...	...	...	...	
50191	0.00	West	Unknown	True	PEM	PEM				False			...	...	...	...	...	...	
50192	2.39	West	Isolated	True	PEM	PEM				False			...	...	...	...	...	...	
50193	0.37	West	Isolated	True	PUB	PUB				False			...	...	...	...	...	...	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
50194	0.28	West	Isolated	False				PEM		False			---	---	---	---	---	---	
50195	0.35	West	Contiguous	False				PEM		False			---	---	---	---	---	---	
50196	0.13	West	Isolated	False				PEM		False			---	---	---	---	---	---	
50197	0.07	West	Isolated	False				PEM		False			---	---	---	---	---	---	
50198	0.36	West	Isolated	False				PEM		False			---	---	---	---	---	---	
50199	0.02	West	Unknown	False				PEM		False			---	---	---	---	---	---	seep spring
50200	0.16	West	Unknown	False				PEM		False			---	---	---	---	---	---	
50201	0.02	West	Unknown	False				PUB		False			---	---	---	---	---	---	
50202	0.54	West	Contiguous	False				PEM		False			---	---	---	---	---	---	
50203	0.30	West	Contiguous	True	PEM	PEM				False			---	---	---	---	---	---	
50204	1.07	West	Contiguous	False				PEM		True	Adjacent	5-20 acres	60%	40%	---	---	100%	---	
50205	1.74	West	Unknown	False				PEM		False			---	---	---	---	---	---	CREP wetland
50206	0.22	West	Isolated	False				PEM		False			---	---	---	---	---	---	
50207	0.22	West	Unknown	False				PEM		False			---	---	---	---	---	---	
50208	0.32	West	Isolated	False				PEM		False			---	---	---	---	---	---	
50209	0.15	West	Contiguous	False				PEM		False			---	---	---	---	---	---	
50210	0.07	West	Unknown	False				PEM		False			---	---	---	---	---	---	
50211	0.25	West	Unknown	False				PUB		False			---	---	---	---	---	---	
50212	0.20	West	Contiguous	False				PUB		False			---	---	---	---	---	---	
50213	0.13	West	Contiguous	False				PEM		False			---	---	---	---	---	---	
50214	0.06	West	Contiguous	False				PEM		False			---	---	---	---	---	---	
50215	0.85	West	Unknown	False				PFO		False			---	---	---	---	---	---	
50216	0.13	West	Unknown	False				PEM		False			---	---	---	---	---	---	Seepage wetlands, springs
50217	0.14	West	Unknown	False				PSS/PEM		False			---	---	---	---	---	---	Seepage wetlands, springs, toe of slope.
50218	0.41	West	Unknown	False				PEM		False			---	---	---	---	---	---	
50219	0.34	West	Isolated	False				PUB	Artificial / Decorative	False			---	---	---	---	---	---	
50220	0.18	West	Isolated	True	PUB	PEM	Evolution			False			---	---	---	---	---	---	
50221	0.39	West	Isolated	False				PEM		False			---	---	---	---	---	---	
50222	0.08	West	Isolated	True	PUB	PUB				False			---	---	---	---	---	---	
50223	0.28	West	Isolated	True	PUB	PUB				False			---	---	---	---	---	---	
50224	0.09	Unknown	Contiguous	False				PEM		True	Adjacent	< 5 acres	50%	30%	20%	---	60%	40%	Possible stream / wetland mitigation area.
50225	0.11	West	Contiguous	False				PEM	Highway Infield	False			---	---	---	---	---	---	
50226	0.04	West	Unknown	False				PEM		False			---	---	---	---	---	---	storm-water pooling



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
50227	0.05	West	Unknown	False				PEM		False			---	---	---	---	---	---	Spring
50228	0.49	West	Contiguous	False				PEM		True	Onsite / Adjacent	5-20 acres	---	50%	50%	---	---	100%	
50229	0.17	West	Isolated	False				PUB	Artificial / Decorative	False			---	---	---	---	---	---	
50230	0.48	West	Isolated	False				PEM		False			---	---	---	---	---	---	
50231	0.62	West	Isolated	False				PFO		False			---	---	---	---	---	---	Possible PFO, impatiens, sycamore, g-ash depression
50232	0.13	West	Contiguous	False				PEM		False			---	---	---	---	---	---	Chiefly cattails
50233	0.15	Unknown	Isolated	False				PUB	Farm Pond	False			---	---	---	---	---	---	
50234	3.39	West	Contiguous	False				PUB	Artificial / Decorative	False			---	---	---	---	---	---	
50235	0.23	West	Unknown	False				PUB	Farm Pond	False			---	---	---	---	---	---	
50236	0.07	West	Unknown	False				PUB	Aggregate Mining	False			---	---	---	---	---	---	
50237	0.11	West	Isolated	False				PUB		False			---	---	---	---	---	---	
50238	0.10	West	Isolated	False				PUB	Stormwater BMP	False			---	---	---	---	---	---	
50239	0.52	West	Unknown	False				PEM		False			---	---	---	---	---	---	Likely spring fed.
50240	0.45	West	Unknown	False				PUB	Farm Pond	False			---	---	---	---	---	---	
50241	0.68	West	Unknown	False				PSS/PEM		False			---	---	---	---	---	---	
50242	0.15	Unknown	Unknown	False				PEM		False			---	---	---	---	---	---	
50243	0.24	West	Contiguous	False				PFO		False			---	---	---	---	---	---	Springs observed.
50244	0.01	West	Isolated	False				PEM		False			---	---	---	---	---	---	
50245	0.78	West	Isolated	False				PSS/PEM		True	Onsite	5-20 acres	---	50%	50%	---	50%	50%	
50246	0.28	West	Contiguous	False				PSS/PEM		True	Onsite	5-20 acres	---	50%	50%	---	50%	50%	
50247	0.03	West	Unknown	False				PEM		False			---	---	---	---	---	---	
50248	0.43	West	Unknown	False				PEM		False			---	---	---	---	---	---	
50249	1.06	West	Isolated	False				PEM		True	Onsite	5-20 acres	---	50%	50%	---	100%	---	
50250	0.08	Unknown	Isolated	False				PUB		False			---	---	---	---	---	---	
50251	0.07	West	Unknown	False				PUB		False			---	---	---	---	---	---	
50252	0.62	West	Contiguous	False				PFO		False			---	---	---	---	---	---	
50253	0.32	West	Contiguous	False				PEM		False			---	---	---	---	---	---	
50254	0.08	West	Isolated	False				PUB	Farm Pond	False			---	---	---	---	---	---	
50255	0.01	West	Isolated	False				PUB	Farm Pond	False			---	---	---	---	---	---	
50256	0.07	Unknown	Isolated	False				PUB	Farm Pond	False			---	---	---	---	---	---	



Table A-1 All Wetlands in I-81 Study Area (Cont'd)

ID	Area (acres)	Location Relative to ROW	Setting	Mapped by NWI	NWI Cowardin Code	Current Cowardin Code	Reason for Code Change	New Cowardin Code	Reason Unmapped by NWI	Mitigation Potential	Mitigation Location	Potential Size of Mitigation	Creation	Restoration	Enhancement	Preservation	Forested	Emergent	Comments
50257	0.60	West	Contiguous	False				PEM	Farm Pond	False			...	...	...	...	...	...	
50258	0.15	West	Isolated	False				PEM		False			...	...	...	...	...	...	
50259	0.11	West	Isolated	False				PUB	Farm Pond	False			...	...	...	...	...	...	
50260	0.02	Unknown	Contiguous	False				PUB	Farm Pond	False			...	...	...	...	...	...	
50261	0.17	West	Contiguous	False				PEM		False			...	...	...	...	...	...	



# Table A-2

## Streams in I-81 Study Area





Table A-2 All Streams in I-81 Study Area

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
1	Town Run	91.10	West	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
2	Town Run	33.69	Median	Unknown	Engineered	Short Unlined Reach b/w Culverts		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
3	Town Run	122.47	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
4	Town Run	505.36	East	Unknown	Unaltered	Gravel / Cobble	Amphibian	False	False	Unknown	Bank Erosion; Headcut	Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
5	Unnamed	328.11	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
6	Unnamed	502.12	East	Perennial	Unaltered	Gravel / Cobble	Fish	False	False	Stage I : Stable		Stability	Unknown	Forested	
7	Tumbling Run	329.61	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
8	Tumbling Run	545.09	East	Perennial	Unaltered	Bedrock		False	False	Unknown		Grazing / Pasture	Unknown	Forested	
9	Unnamed	134.40	West	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
10	Unnamed	157.43	Median	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
11	Unnamed	129.93	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
12	Unnamed	493.49	East	Perennial	Unaltered	Gravel / Cobble	Amphibian; Fish	False	False	Unknown	Bank Erosion	Grazing / Pasture	> 500 ft	Forested	
13	Unnamed	162.00	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
14	Unnamed	35.23	East	Unknown	Engineered	Concrete		False	False	Unknown		None	Unknown		
15	Unnamed	120.70	West	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
16	Unnamed	673.27	East	Unknown	Unaltered	Bedrock / Gravel		False	False	Unknown		None	Unknown	Forested	Could not evaluate in detail; unsafe shoulder.
17	Toms Brook	186.95	Median	Perennial	Engineered	Culvert		False	True	Unknown		None	Unknown		
18	Toms Brook	1056.49	East	Perennial	Unaltered	Bedrock / Gravel		False	True	Unknown	Deposition; Inefficient / Clogged Conveyance	Grazing / Pasture	Unknown	Herbaceous / Pasture	
19	Unnamed	331.06	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
20	Jordan Run	997.60	East	Perennial	Unaltered	Bedrock / Gravel		False	False	Unknown	Bank Erosion; Deposition; Visible Contamination	Grazing / Pasture	> 500 ft	Forested	
21	Pughs Run	47.42	Bridge	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
22	Pughs Run	202.43	Median	Perennial	Unaltered	Gravel / Loam		False	False	Stage III : Widening		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
23	Pughs Run	821.08	East	Perennial	Unaltered	Gravel / Loam		False	False	Stage III : Widening		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
24	Pughs Run	468.51	East	Perennial	Unaltered	Gravel / Loam		False	False	Stage II : Incisive		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
25	Pughs Run	523.05	East	Perennial	Unaltered	Gravel / Loam		False	False	Stage III : Widening		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
26	Unnamed	299.25	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
27	Unnamed	486.63	East	Unknown	Unaltered	Silt / Loam	Amphibian	False	False	Unknown		Infrastructure Encroachment	> 500 ft	Herbaceous / Pasture	
28	Narrow Passage Creek	38.48	Bridge	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown		
29	Narrow Passage Creek	133.07	Median	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown		
30	Narrow Passage Creek	38.11	Bridge	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown		
31	Narrow Passage Creek	1559.08	East	Perennial	Unknown	Unknown		False	True	Unknown		Stream Order	Unknown	Forested	Could not safely assess from HWY or overland.
32	Big Stony Creek	908.09	East	Perennial	Unaltered	Gravel / Cobble		False	True	Unknown		Stream Order	Unknown	Forested	
33	Unnamed	157.89	West	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
34	Unnamed	33.81	Median	Perennial	Engineered	Short Unlined Reach b/w Culverts		False	False	Unknown		None	Unknown		
35	Unnamed	164.93	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
36	Unnamed	459.89	East	Perennial	Unaltered	Bedrock	Fish	False	False	Stage I : Stable		Stability	Unknown	Forested	
37	Mill Creek	739.97	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Forested	
38	Unnamed	106.22	West	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
39	Unnamed	49.41	Median	Perennial	Engineered	Short Unlined Reach b/w Culverts		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	Emergent wetlands either side.
40	Unnamed	100.06	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
41	Unnamed	54.49	East	Perennial	Engineered	Riprap		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
42	Unnamed	465.25	East	Perennial	Unaltered	Gravel / Cobble	Fish	False	False	Stage I : Stable		Grazing / Pasture	Unknown	Herbaceous / Pasture	
43	North Fork Shenandoah River	2022.42	East	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Forested	This portion of river not evaluated.
44	North Fork Shenandoah River	46.22	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Unknown	Unknown	Impervious Surfaces	
45	North Fork Shenandoah River	672.78	East	Perennial	Unaltered	Bedrock	Amphibian; Fish	False	False	Unknown		Stream Order	Unknown	Herbaceous / Pasture	Forested on steep south bank.
46	North Fork Shenandoah River	44.18	East	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Herbaceous / Pasture	
47	North Fork Shenandoah River	255.71	East	Perennial	Unaltered	Bedrock	Amphibian; Fish	False	False	Unknown		Stream Order	Unknown	Herbaceous / Pasture	Forested on steep south bank.
48	Smith Creek	388.60	East	Perennial	Unknown	Unknown		True	True	Unknown		Unknown	Unknown		Inaccessible, no evaluation.
49	Unnamed	691.58	East	Perennial	Unaltered	Bedrock / Gravel	Fish	False	False	Unknown		None	> 500 ft	Forested	Could not evaluate, inaccessible. Dbl box culvert.
50	Unnamed	161.25	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
51	Unnamed	103.82	Median	Perennial	Engineered	Short Unlined Reach b/w Culverts	Fish	False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
52	Unnamed	144.46	West	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
53	Smith Creek	522.92	East	Perennial	Unknown	Unknown		True	True	Unknown		Unknown	Unknown	Herbaceous / Pasture	Could not evaluate: no trespassing / prosecution sign
54	Unnamed	55.21	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
55	Unnamed	265.71	East	Perennial	Unaltered	Bedrock / Gravel	Fish	False	False	Unknown		Limited Length	200-500 ft	Herbaceous / Pasture	Dbl box culvert under - 81 & concrete pipe draining median at upstream end.
56	Unnamed	97.68	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown		
57	Unnamed	287.18	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
58	Smith Creek	242.02	East	Perennial	Unknown	Unknown		True	True	Unknown		Unknown	Unknown	Herbaceous / Pasture	Could not evaluate: no trespassing / prosecution sign
59	Dry Fork	637.33	East	Perennial	Unaltered	Bedrock		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
60	Dry Fork	1420.94	East	Perennial	Unaltered	Bedrock		False	False	Stage I : Stable		Grazing / Pasture	Unknown	Herbaceous / Pasture	Stream appears essentially stable, WQ poor.
61	Unnamed	340.35	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
62	Dry Fork	497.26	East	Perennial	Unaltered	Bedrock		False	False	Unknown		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
63	Unnamed	649.63	East	Unknown	Engineered	Ditched		False	False	Unknown		None	Unknown		
64	Unnamed	197.57	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
65	Unnamed	498.71	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
66	Unnamed	405.70	East	Unknown	Engineered	Ditched		False	False	Unknown		None	Unknown		
67	Unnamed	269.91	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
68	Unnamed	538.26	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
69	Blacks Run	45.79	Bridge	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown		
70	Blacks Run	25.12	Median	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown		
71	Blacks Run	602.94	East	Perennial	Unaltered	Silt / Loam		False	True	Unknown	Bank Erosion; Debris Jam; Visible Contamination	None	> 500 ft	Forested	
72	Unnamed	189.44	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
73	Unnamed	1193.04	East	Unknown	Engineered	Ditched		False	False	Unknown		None	200-500 ft	Herbaceous / Pasture	Likely ephemeral / intermittent in straight segment north of riprap.
74	Unnamed	195.88	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
75	Unnamed	737.45	East	Unknown	Engineered	Ditched		False	False	Unknown		None	200-500 ft	Herbaceous / Pasture	
76	Unnamed	135.03	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
77	Unnamed	185.15	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
78	Unnamed	82.92	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown		
79	Unnamed	103.57	East	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
80	Unnamed	247.08	East	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
81	Unnamed	58.99	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
82	Unnamed	71.11	East	Unknown	Engineered	Short Unlined Reach b/w Culverts		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
83	Unnamed	48.37	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
84	Unnamed	275.13	East	Unknown	Engineered	Riprap		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
85	Blacks Run	658.01	East	Perennial	Unaltered	Bedrock		False	True	Unknown		Infrastructure Encroachment	Unknown	Forested	
86	North River	2833.55	East	Perennial	Unaltered	Bedrock		False	True	Unknown		Stream Order	Unknown	Forested	
87	Unnamed	510.27	East	Perennial	Unaltered	Gravel / Loam		False	False	Unknown	Bank Erosion; Failed / Failing Instream	Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
88	Unnamed	236.78	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
89	Mile 238	61.73	Unknown	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown		
90	Naked Creek	740.94	East	Perennial	Unaltered	Bedrock		False	True	Stage III : Widening		Bedrock Channel	> 500 ft	Forested	
91	Unnamed	259.88	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
92	Broad Run	519.93	East	Perennial	Unaltered	Gravel / Loam		False	False	Stage III : Widening		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	East portion forested.
93	Unnamed	352.94	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
94	Unnamed	467.26	East	Perennial	Unaltered	Gravel / Cobble		False	False	Stage III : Widening		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
95	Unnamed	351.06	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
96	Unnamed	50.25	East	Unknown	Engineered	Ditched		False	False	Unknown		None	Unknown		
97	Unnamed	206.17	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
98	Unnamed	251.19	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		Could not evaluate in field, inaccessible
99	Unnamed	82.29	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
100	Unnamed	462.01	Median	Unknown	Engineered	Ditched		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	Questionable perenniality, cattails throughout.
101	Unnamed	96.57	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
102	Unnamed	492.96	East	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	Stormwater conveyance, questionable perenniality, cattails in VDOT ROW.
103	Unnamed	84.60	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
104	Unnamed	53.01	Median	Unknown	Engineered	Short Unlined Reach b/w Culverts		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
105	Unnamed	70.05	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
106	Unnamed	98.78	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
107	Unnamed	658.03	East	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion	Unknown	200-500 ft	Forested	
108	Unnamed	38.58	Median	Perennial	Engineered	Short Unlined Reach b/w Culverts		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
109	Unnamed	101.79	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
110	Unnamed	499.66	East	Perennial	Unaltered	Gravel / Cobble		False	False	Stage III : Widening		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
111	Unnamed	983.74	East	Unknown	Unaltered	Bedrock / Gravel	Amphibian	False	False	Unknown	Bank Erosion; Braided / Excessive	Unknown	Unknown	Forested	
112	Unnamed	530.49	East	Unknown	Unaltered	Gravel / Loam		False	False	Stage II : Incisive		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	May be intermittent, evaluated after storm
113	Unnamed	444.30	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
114	Unnamed	121.12	East	Perennial	Unaltered	Gravel / Loam		False	False	Unknown	Bank Erosion	Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
115	Unnamed	15.81	East	Perennial	Engineered	Culvert		False	False	Unknown	Bank Erosion	Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
116	Unnamed	497.10	East	Perennial	Unaltered	Gravel / Loam		False	False	Unknown	Bank Erosion	Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
117	Unnamed	457.45	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
118	Unnamed	54.09	East	Perennial	Engineered	Short Unlined Reach b/w Culverts		False	False	Unknown		Limited Length	Unknown	Herbaceous / Pasture	
119	Unnamed	42.45	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
120	Unnamed	480.32	East	Perennial	Unaltered	Gravel / Loam		False	False	Unknown	Bank Erosion; Failed / Failing Instream; Headcut	Unknown	200-500 ft	Forested	
121	Middle River	50.25	Bridge	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
122	Middle River	689.78	East	Perennial	Unknown	Unknown		False	False	Unknown		Stream Order	Unknown	Forested	
123	Middle River	42.36	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
124	Unnamed	854.58	East	Perennial	Unknown	Unknown		False	False	Unknown		None	200-500 ft	Forested	Exact location unconfirmed, terrain difficult
125	Unnamed	369.63	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
126	Unnamed	101.85	West	Perennial	Engineered	Concrete Box Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
127	Unnamed	58.57	Median	Perennial	Engineered	Short Unlined Reach b/w Culverts		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
128	Unnamed	135.42	East	Perennial	Engineered	Concrete Box Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	Triple box culvert
129	Unnamed	121.46	East	Perennial	Unknown	Unknown		False	False	Unknown		Limited Length	Unknown	Herbaceous / Pasture	Channel materials not be evaluated due to stormflow
130	Unnamed	150.97	East	Perennial	Engineered	Concrete Box Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	Triple box culvert
131	Unnamed	216.26	East	Unknown	Unaltered	Silt / Loam		False	False	Unknown		Limited Length	Unknown	Herbaceous / Pasture	Poorly defined channel
132	Unnamed	131.08	East	Unknown	Engineered	Metal Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
133	Unnamed	72.02	Median	Unknown	Engineered	Short Unlined Reach b/w Culverts		False	False	Unknown		Limited Length	Unknown	Herbaceous / Pasture	
134	Unnamed	481.79	East	Perennial	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	Channel materials / condition could not be evaluated due to stormflow
135	Unnamed	97.49	West	Unknown	Engineered	Metal Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
136	Unnamed	88.45	East	Unknown	Unaltered	Gravel / Loam		False	False	Stage I : Stable		Grazing / Pasture	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
137	Unnamed	412.18	East	Unknown	Unaltered	Gravel / Loam		False	False	Stage I : Stable		Grazing / Pasture	Unknown	Herbaceous / Pasture	
138	Unnamed	382.08	Median	Unknown	Engineered	Concrete Box Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	Drop inlet at median
139	Unnamed	836.85	Unknown	Perennial	Unknown	Unknown	Amphibian	False	False	Unknown		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	right bank forested
140	Unnamed	493.78	Median	Unknown	Engineered	Concrete Box Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
141	Unnamed	207.33	West	Unknown	Engineered	Concrete Box Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
142	Unnamed	216.03	East	Unknown	Engineered	Concrete Box Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
143	Unnamed	47.54	Median	Unknown	Engineered	Short Unlined Reach b/w Culverts		False	False	Unknown		Limited Length	Unknown	Herbaceous / Pasture	
144	Unnamed	496.77	East	Unknown	Unknown	Unknown	Amphibian	False	False	Unknown	Bank Erosion	None	200-500 ft	Herbaceous / Pasture	
145	Unnamed	105.11	Median	Unknown	Engineered	Short Unlined Reach b/w Culverts	Amphibian; Fish	False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
146	Unnamed	182.78	West	Unknown	Engineered	Concrete Box Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
147	Unnamed	142.86	East	Unknown	Engineered	Concrete Box Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
148	Unnamed	462.92	East	Unknown	Unaltered	Gravel / Loam	Fish	False	False	Stage II : Incisive		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	Headcut at box culvert
149	Unnamed	761.38	East	Unknown	Unaltered	Silt / Loam		False	False	Unknown	Bank Erosion	Grazing / Pasture	Unknown	Herbaceous / Pasture	Likely intermittent, no observable flow at culvert upstream
150	Unnamed	162.52	East	Unknown	Engineered	Metal Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
151	Unnamed	35.61	Median	Unknown	Engineered	Concrete		False	False	Unknown		Limited Length	Unknown	Impervious Surfaces	
152	Poague Run	582.29	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
153	Poague Run	161.07	East	Perennial	Unaltered	Silt / Loam		False	False	Unknown	Bank Erosion; Deposition	Limited Length	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
154	Poague Run	182.79	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
155	Poague Run	387.63	East	Perennial	Unaltered	Gravel / Loam		False	False	Unknown	Headcut	Grazing / Pasture	> 500 ft	Herbaceous / Pasture	Water backed up by dam.
156	Poague Run	166.89	East	Perennial	Unaltered	Gravel / Loam		False	False	Unknown	Headcut	Grazing / Pasture	> 500 ft	Herbaceous / Pasture	Water backed up by dam.
157	Lewis Creek	45.89	Bridge	Perennial	Unknown	Unknown		False	True	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
158	Lewis Creek	130.17	Median	Perennial	Unknown	Unknown		False	True	Unknown	Bank Erosion; Bed Erosion	Infrastructure Encroachment	Unknown	Herbaceous / Pasture	forested one side
159	Lewis Creek	60.05	Bridge	Perennial	Unknown	Unknown		False	True	Unknown	Bank Erosion; Bed Erosion	Infrastructure Encroachment	Unknown	Herbaceous / Pasture	forested one side
160	Lewis Creek	631.49	East	Perennial	Unknown	Unknown		False	True	Unknown	Bank Erosion; Bed Erosion	Grazing / Pasture	Unknown	Herbaceous / Pasture	forested one side
161	Lewis Creek	57.61	East	Perennial	Unknown	Unknown		False	True	Unknown	Bank Erosion; Bed Erosion	Grazing / Pasture	Unknown	Herbaceous / Pasture	forested one side
162	Unnamed	259.80	East	Perennial	Engineered	Relocated	Fish	False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	Major habitat
163	Unnamed	542.90	East	Perennial	Unaltered	Bedrock	Amphibian	False	False	Unknown	Bed Erosion; Headcut	Bedrock Channel	Unknown	Forested	interrupted perennial?
164	Unnamed	516.64	East	Perennial	Engineered	Relocated	Fish	False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	significant habitat
165	Unnamed	1464.76	East	Perennial	Engineered	Relocated	Fish	False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
166	Unnamed	245.81	East	Perennial	Unaltered	Silt / Loam	Amphibian; Fish	False	False	Stage II : Incisive		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
167	Unnamed	507.63	East	Perennial	Unknown	Unknown	Amphibian; Fish	False	False	Stage II : Incisive		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	Straight line segment along I- 81; possibly channelized
168	Unnamed	397.55	East	Perennial	Unaltered	Bedrock	Amphibian; Fish	False	False	Stage II : Incisive		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	Bedrock / sediment combo, still downcutting
169	Unnamed	145.67	Culvert	Perennial	Engineered	Concrete		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown		Triple box culvert
170	Unnamed	55.22	Median	Perennial	Engineered	Short Unlined Reach b/w Culverts		False	False	Stage III : Widening		Infrastructure Encroachment	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
171	Unnamed	203.48	Culvert	Perennial	Engineered	Concrete		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown		
172	Unnamed	519.79	East	Unknown	Unknown	Unknown		False	False	Stage I : Stable		None	Unknown	Forested	Stream likely intermittent, minor flow observed associated w rainfall
173	Unnamed	423.74	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown		
174	Unnamed	1292.28	East	Perennial	Unaltered	Gravel / Loam	Amphibian; Fish	False	False	Stage III : Widening		None	> 500 ft	Scrub / Shrub	
175	Unnamed	340.21	Median	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown		
176	Unnamed	327.09	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
177	Unnamed	270.56	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
178	Unnamed	213.15	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
179	Unnamed	394.34	East	Perennial	Unaltered	Bedrock / Gravel		False	False	Unknown	Bank Erosion; Bed Erosion; Visible Contamination	None	Unknown	Herbaceous / Pasture	
180	Unnamed	642.66	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
181	Unnamed	1006.93	East	Perennial	Unaltered	Bedrock / Gravel		False	False	Unknown	Bank Erosion; Bed Erosion; Visible Contamination	None	Unknown	Herbaceous / Pasture	
182	Unnamed	415.94	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
183	Unnamed	1094.24	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
184	Unnamed	122.37	West	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
185	Unnamed	285.40	Median	Unknown	Engineered	Riprap		False	False	Unknown		None	Unknown		
186	Unnamed	253.85	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
187	Unnamed	777.79	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
188	Folly Mills Creek	151.62	Median	Perennial	Engineered	Concrete		False	False	Unknown		Unknown	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
189	Folly Mills Creek	47.45	East	Perennial	Engineered	Concrete		False	False	Unknown		Unknown	Unknown		
190	Folly Mills Creek	590.63	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
191	Unnamed	847.51	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
192	Unnamed	277.33	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
193	Unnamed	477.78	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
194	Unnamed	500.01	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
195	Unnamed	542.95	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
196	Unnamed	251.21	Median	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
197	Unnamed	135.35	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
198	Unnamed	244.20	Median	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
199	Unnamed	145.80	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
200	Unnamed	462.38	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
201	Unnamed	482.04	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
202	Unnamed	282.69	Median	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
203	Unnamed	142.51	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
204	Unnamed	440.97	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
205	Unnamed	478.51	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
206	Unnamed	93.26	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
207	Unnamed	353.38	Median	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
208	Unnamed	178.63	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
209	Unnamed	685.13	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
210	Unnamed	556.71	East	Unknown	Engineered	Ditched		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
211	Unnamed	137.00	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
212	Unnamed	106.28	Median	Unknown	Engineered	Ditched		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
213	Unnamed	571.64	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
214	Unnamed	209.26	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
215	Unnamed	171.84	East	Unknown	Engineered	Ditched		False	False	Unknown		None	Unknown		
216	Unnamed	443.01	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
217	Unnamed	111.96	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
218	Unnamed	73.47	East	Unknown	Engineered	Ditched		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
219	Unnamed	90.80	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
220	Unnamed	116.76	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
221	Unnamed	51.37	East	Unknown	Engineered	Ditched		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
222	Unnamed	147.80	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
223	Unnamed	139.91	East	Unknown	Engineered	Ditched		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
224	Unnamed	134.05	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
225	Unnamed	388.95	East	Unknown	Engineered	Ditched		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
226	Unnamed	184.64	East	Unknown	Engineered	Ditched		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
227	Unnamed	99.35	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
228	Unnamed	787.72	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
229	Unnamed	394.97	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
230	Unnamed	601.69	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
231	Christians Creek	338.74	West	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
232	Christians Creek	134.96	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Herbaceous / Pasture	
233	Christians Creek	173.15	East	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
234	Christians Creek	625.13	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Herbaceous / Pasture	
235	South River	682.17	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Herbaceous / Pasture	
236	Unnamed	418.79	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
237	Unnamed	390.93	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
238	South River	238.79	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Herbaceous / Pasture	
239	South River	384.66	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown		
240	Unnamed	303.49	Median	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
241	Unnamed	747.49	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
242	Unnamed	114.95	West	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
243	Unnamed	48.87	Median	Unknown	Engineered	Ditched		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
244	Unnamed	84.47	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
245	South River	2883.07	East	Perennial	Unknown	Unknown		False	True	Unknown	Bank Erosion	Unknown	Unknown	Herbaceous / Pasture	
246	Unnamed	215.92	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
247	South River	104.56	West	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
248	South River	3059.24	East	Perennial	Unknown	Unknown		False	True	Unknown	Bank Erosion	Unknown	Unknown	Herbaceous / Pasture	
249	South River	311.24	Median	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown	Herbaceous / Pasture	
250	Unnamed	256.40	Median	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
251	Unnamed	509.54	East	Perennial	Unknown	Unknown		False	False	Unknown	Bank Erosion	Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
252	Unnamed	104.50	Median	Unknown	Engineered	Ditched		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
253	Unnamed	73.21	Median	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
254	Unnamed	604.23	East	Unknown	Engineered	Ditched		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
255	Unnamed	329.64	West	Unknown	Engineered	Relocated		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
256	Duncan Run	357.13	West	Perennial	Engineered	Relocated		False	False	Unknown		Unknown	Unknown		
257	Duncan Run	164.45	West	Perennial	Engineered	Relocated		False	False	Unknown		Unknown	Unknown		
258	Duncan Run	67.78	West	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
259	Duncan Run	124.62	Median	Perennial	Engineered	Relocated		False	False	Unknown		Unknown	Unknown		
260	Duncan Run	63.57	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
261	Duncan Run	525.85	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
262	Unnamed	485.85	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
263	Unnamed	198.18	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown		
264	Unnamed	229.76	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
265	Unnamed	345.05	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
266	Clearbrook Run	447.16	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
267	Clearbrook Run	29.21	West	Perennial	Engineered	Relocated		False	False	Unknown		Unknown	Unknown		
268	Clearbrook Run	66.82	West	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
269	Clearbrook Run	232.96	Median	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
270	Clearbrook Run	956.25	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
271	Hiatt Run	683.99	West	Perennial	Engineered	Relocated		False	False	Unknown		Residential	200-500 ft	Forested / Pasture	
272	Hiatt Run	75.31	West	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
273	Hiatt Run	110.02	Median	Perennial	Engineered	Relocated		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
274	Hiatt Run	64.99	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
275	Hiatt Run	1072.76	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
276	Redbud Run	62.55	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
277	Redbud Run	67.86	West	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
278	Redbud Run	436.21	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
279	Redbud Run	59.70	Median	Perennial	Engineered	Relocated		False	False	Unknown		Unknown	Unknown		
280	Redbud Run	118.14	West	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
281	Redbud Run	128.32	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
282	Redbud Run	601.05	East	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
283	Unnamed	530.33	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
284	Unnamed	206.89	Median	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
285	Unnamed	606.44	East	Perennial	Unaltered	Silt / Loam		False	False	Unknown		Unknown	Unknown	Forested	
286	Unnamed	328.64	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
287	Unnamed	257.58	Median	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
288	Unnamed	142.56	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
289	Unnamed	480.35	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
290	Unnamed	106.46	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
291	Unnamed	23.96	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown	Forested	
292	Unnamed	438.48	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
293	Unnamed	102.40	West	Unknown	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
294	Unnamed	392.03	West	Unknown	Unaltered	Cobble / Gravel		False	False	Unknown		None	Unknown		
295	Unnamed	330.51	Median	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
296	Unnamed	393.32	East	Unknown	Engineered	Ditch		False	False	Unknown		None	< 200 ft	Herbaceous / Pasture	
297	Unnamed	192.84	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
298	Unnamed	326.46	East	Unknown	Engineered	Ditch		False	False	Unknown		Unknown	Unknown		
299	Unnamed	574.59	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Impervious / Forested	
300	Unnamed	182.54	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
301	Unnamed	67.09	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
302	Unnamed	59.81	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
303	Unnamed	485.20	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
304	Unnamed	501.99	West	Perennial	Engineered	Relocated		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
305	Unnamed	254.94	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
306	Unnamed	28.54	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
307	Unnamed	204.43	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
308	Unnamed	271.12	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
309	Unnamed	70.94	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
310	Unnamed	40.12	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
311	Unnamed	425.41	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
312	Unnamed	169.50	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
313	Unnamed	335.40	East	Unknown	Unaltered	Cobble / Gravel		False	False	Stage IV : Stabilizing		None	Unknown	Forested / Pasture	
314	Abrams Creek	14.77	West	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown		
315	Abrams Creek	39.56	West	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown		
316	Unnamed	676.86	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
317	Abrams Creek	508.31	West	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Impervious / Forested	
318	Abrams Creek	44.98	West	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Under Bridge	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
319	Abrams Creek	46.74	Median	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Herbaceous / Pasture	
320	Abrams Creek	41.82	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Under Bridge	
321	Abrams Creek	542.66	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Impervious / Forested	
322	Buffalo Lick Run	590.20	West	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
323	Buffalo Lick Run	313.70	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
324	Buffalo Lick Run	594.66	East	Perennial	Unaltered	Gravel / Cobble		False	False	Stage III : Widening		Unknown	Unknown	Forested / Pasture	
325	Unnamed	775.05	East	Unknown	Unaltered	Silt / Loam		False	False	Unknown		None	Unknown	Forested / Pasture	
326	Unnamed	125.40	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
327	Hoge Run	1125.94	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
328	Hoge Run	152.01	West	Perennial	Engineered	Ditch		False	False	Unknown		Unknown	Unknown		
329	Hoge Run	46.38	Median	Perennial	Engineered	Ditch		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
330	Hoge Run	145.00	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
331	Hoge Run	563.92	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
332	Unnamed	1066.45	West	Unknown	Engineered	Relocated		False	False	Unknown		Unknown	Unknown		
333	Unnamed	381.50	Median	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
334	Unnamed	23.26	East	Unknown	Engineered	Relocated		False	False	Unknown		Unknown	Unknown		
335	Unnamed	113.63	East	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
336	Unnamed	289.59	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
337	Unnamed	84.05	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
338	Unnamed	521.07	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
339	Unnamed	108.23	East	Intermittent	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
340	Opequon Creek	599.08	West	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Forested	
341	Opequon Creek	52.39	West	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Under Bridge	
342	Opequon Creek	161.80	Median	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Herbaceous / Pasture	
343	Opequon Creek	51.81	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Under Bridge	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
344	Opequon Creek	639.72	East	Perennial	Unknown	Unknown	Amphibian; Fish	False	True	Stage V : Stable		Unknown	Unknown	Forested / Pasture	
345	Unnamed	98.73	Median	Unknown	Engineered	Relocated		False	False	Unknown		None	Unknown		
346	Unnamed	84.44	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
347	Unnamed	309.38	East	Unknown	Engineered	Relocated		False	False	Unknown		None	Unknown		
348	Unnamed	47.17	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
349	Unnamed	181.65	East	Unknown	Engineered	Relocated		False	False	Unknown		None	Unknown		
350	Unnamed	69.57	Median	Unknown	Engineered	Relocated		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
351	Unnamed	90.59	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
352	Unnamed	93.62	East	Unknown	Engineered	Relocated		False	False	Unknown		None	Unknown		
353	Unnamed	396.10	East	Unknown	Engineered	Relocated		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
354	Unnamed	674.33	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
355	Unnamed	64.03	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
356	Unnamed	211.10	West	Unknown	Engineered	Relocated		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
357	Unnamed	55.34	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
358	Unnamed	554.24	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
359	Unnamed	140.50	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
360	Unnamed	212.61	West	Unknown	Engineered	Relocated		False	False	Unknown		None	Unknown		
361	Unnamed	268.54	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
362	Unnamed	380.10	East	Unknown	Engineered	Relocated		False	False	Unknown		None	Unknown		
363	Unnamed	158.05	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
364	Stephens Run	496.21	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
365	Unnamed	680.54	East	Unknown	Engineered	Relocated		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
366	Unnamed	25.00	East	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
367	Stephens Run	214.39	Median	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
368	Unnamed	526.95	East	Unknown	Engineered	Relocated		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
369	Stephens Run	515.56	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
370	Unnamed	549.37	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
371	Unnamed	257.43	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
372	Unnamed	251.60	Median	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
373	Unnamed	487.66	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
374	Unnamed	521.04	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
375	Unnamed	241.90	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
376	Unnamed	189.71	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
377	Unnamed	416.59	East	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
378	Unnamed	309.20	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
379	Unnamed	239.49	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
380	Unnamed	811.71	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
381	Unnamed	383.30	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
382	West Run	438.34	West	Perennial	Unaltered	Silt / Loam		False	False	Unknown		Unknown	Unknown	Forested	
383	Unnamed	1600.92	West	Perennial	Unaltered	Cobble / Gravel		False	False	Unknown		Unknown	Unknown	Forested	
384	Unnamed	12.78	West	Perennial	Unaltered	Cobble / Gravel		False	False	Unknown		Unknown	Unknown	Forested	
385	West Run	397.83	Median	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
386	West Run	448.55	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
387	Unnamed	886.43	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
388	Unnamed	246.27	East	Unknown	Unaltered	Silt / Loam		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	area recently cleared further downstream for power line.
389	Unnamed	130.81	East	Unknown	Unaltered	Silt / Loam		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
390	Unnamed	125.17	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
391	Unnamed	88.71	Median	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown		
392	Unnamed	209.91	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
393	Unnamed	390.72	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	200-500 ft	Herbaceous / Pasture	
394	Unnamed	144.60	West	Unknown	Unaltered	Silt/Gravel		False	False	Stage II : Incisive		None	Unknown	Forested	
395	Unnamed	130.45	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
396	Unnamed	72.62	Median	Unknown	Engineered	Relocated		False	False	Unknown		None	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
397	Unnamed	146.65	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
398	Unnamed	491.99	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
399	Unnamed	488.97	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
400	Unnamed	146.58	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
401	Unnamed	335.09	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
402	Unnamed	255.42	Median	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
403	Unnamed	55.80	East	Unknown	Engineered	Relocated		False	False	Unknown		Unknown	Unknown		
404	Unnamed	76.61	East	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
405	Unnamed	358.76	East	Unknown	Engineered	Relocated		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	potential mitigation
406	Unnamed	168.84	East	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Forested	10 - 15 ft strip wetlands along stream
407	Unnamed	107.32	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
408	Unnamed	314.19	East	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Forested	10 - 15 ft strip wetlands along stream
409	Unnamed	149.44	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
410	Unnamed	149.01	Median	Unknown	Engineered	Relocated		False	False	Unknown		None	Unknown		
411	Unnamed	419.64	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
412	Unnamed	156.78	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
413	Unnamed	126.04	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
414	Catlett Run	170.90	West	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
415	Unnamed	329.06	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
416	Unnamed	15.34	East	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
417	Unnamed	206.53	Median	Unknown	Engineered	Riprap		False	False	Unknown		None	Unknown	Impervious Surfaces	
418	Catlett Run	478.12	Median	Unknown	Unaltered	Silt / Loam		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
419	Catlett Run	18.82	Median	Unknown	Unaltered	Silt / Loam		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
420	Unnamed	95.29	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
421	Catlett Run	173.87	East	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
422	Catlett Run	69.38	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
423	Catlett Run	34.72	East	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
424	Town Run	389.45	Unknown	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
425	Town Run	93.65	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
426	Unnamed	189.11	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
427	Unnamed	65.48	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
428	Town Run	173.00	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
429	Catlett Run	369.57	East	Unknown	Unaltered	Bedrock		False	False	Stage II : Incisive		Unknown	Unknown	Forested	
430	Town Run	243.82	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
431	Unnamed	456.22	Median	Unknown	Engineered	Relocated		False	False	Unknown		None	Unknown		
432	Unnamed	232.40	Median	Unknown	Engineered	Relocated		False	False	Unknown		None	Unknown		
433	Unnamed	701.57	Median	Unknown	Engineered	Relocated		False	False	Unknown		None	Unknown		
434	Unnamed	280.03	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
435	Unnamed	718.07	Median	Unknown	Unaltered	Silt / Loam		False	False	Unknown		Unknown	Unknown	Forested	
436	Unnamed	193.13	East	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
437	Unnamed	513.06	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
438	Unnamed	207.35	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
439	Unnamed	488.81	West	Unknown	Unaltered	Silt / Loam		False	False	Unknown		Unknown	Unknown	Forested	
440	Unnamed	14.64	West	Unknown	Unaltered	Silt / Loam		False	False	Unknown		Unknown	Unknown	Forested	
441	Unnamed	61.67	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
442	Unnamed	377.40	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
443	Unnamed	1225.08	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	10 - 15 ft strip wetlands
444	Cedar Creek	617.99	West	Perennial	Unknown	Unknown		True	True	Unknown		Unknown	Unknown	Forested	
445	Cedar Creek	46.52	West	Perennial	Unknown	Unknown		True	True	Unknown		Unknown	Unknown	Under Bridge	
446	Cedar Creek	110.36	Median	Perennial	Unaltered	Gravel / Cobble		True	True	Stage V : Stable		Unknown	Unknown	Herbaceous / Pasture	
447	Cedar Creek	48.10	East	Perennial	Unaltered	Gravel / Cobble		True	True	Stage V : Stable		Unknown	Unknown	Under Bridge	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
448	Cedar Creek	551.43	East	Perennial	Unknown	Unknown		True	True	Stage V : Stable		Unknown	Unknown	Forested / Pasture	
449	Tumbling Run	604.78	West	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
450	South Fork	574.99	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
451	Unnamed	549.42	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
452	Toms Brook	700.11	West	Perennial	Unaltered	Cobble / Gravel		False	True	Unknown		Grazing / Pasture	Unknown	Forested / Pasture	
453	Jordan Run	602.55	West	Perennial	Unknown	Unknown		False	False	Unknown		Stability	Unknown	Forested	
454	Pughs run	708.97	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
455	Unnamed	583.14	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Forested / Pasture	
456	Narrow Passage Creek	209.79	West	Perennial	Unknown	Unknown		False	True	Unknown		Grazing / Pasture	Unknown	Forested / Pasture	
457	Narrow Passage Creek	43.07	Bridge	Perennial	Unknown	Unknown		False	True	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
458	Narrow Passage Creek	407.25	West	Perennial	Unknown	Unknown		False	True	Unknown		Grazing / Pasture	Unknown	Forested / Pasture	
459	Stony Creek	969.68	West	Perennial	Unknown	Unknown		False	True	Unknown		Stream Order	Unknown	Forested / Pasture	
460	stony creek	35.34	Bridge	Perennial	Unaltered	Cobble / Gravel		False	True	Unknown		Unknown	Unknown	Impervious Surfaces	
461	Unnamed	169.32	West	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown		
462	stony creek	40.51	Bridge	Perennial	Unaltered	Gravel / Cobble		False	True	Unknown		Stream Order	Unknown	Impervious Surfaces	
463	Unnamed	495.99	West	Perennial	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
464	Mill Creek	542.99	West	Perennial	Unknown	Unknown		False	True	Unknown		Infrastructure Encroachment	Unknown	Forested	
465	Unnamed	79.34	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
466	Unnamed	337.70	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown		
467	Unnamed	152.83	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
468	North Fork Shenandoah River	34.04	West	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Forested / Pasture	
469	Holmans Creek	780.06	West	Perennial	Unknown	Unknown		False	True	Unknown		Grazing / Pasture	Unknown	Forested / Pasture	
470	North Fork Shenandoah River	44.28	West	Perennial	Unaltered	Bedrock		False	True	Unknown		Stream Order	Unknown	Forested / Pasture	
471	North Fork Shenandoah River	457.60	West	Perennial	Unaltered	Bedrock		False	True	Unknown		Stream Order	Unknown	Forested / Pasture	
472	Unnamed	370.48	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
473	Unnamed	650.38	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
474	Unnamed	65.19	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
475	Unnamed	107.84	West	Unknown	Engineered	Concrete		False	False	Unknown		None	Unknown		
476	Unnamed	47.94	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
477	Unnamed	63.52	West	Unknown	Engineered	Concrete		False	False	Unknown		None	Unknown		
478	Unnamed	97.51	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
479	Unnamed	109.47	West	Unknown	Engineered	Concrete		False	False	Unknown		None	Unknown		
480	Unnamed	1970.43	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	potentially ephemeral
481	Unnamed	315.25	West	Unknown	Unknown	Unknown		False	False	Unknown		Limited Length	Unknown	Herbaceous / Pasture	
482	Unnamed	532.03	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Scrub / Shrub	
483	Dry Fork	632.32	West	Perennial	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
484	Dry Fork	815.52	West	Perennial	Unknown	Unknown		False	False	Unknown		Forest / Pasture	Unknown		
485	Unnamed	1671.12	West	Unknown	Engineered	Toe Swale		False	False	Unknown		None	Unknown	Forested / Pasture	
486	Unnamed	731.86	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
487	Dry Fork	4533.68	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
488	Dry Fork	119.19	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
489	Dry Fork	942.55	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
490	Dry Fork	1742.44	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Forested / Pasture	
491	Unnamed	835.82	West	Unknown	Unaltered	Gravel / Loam		False	False	Unknown	Bank Erosion; Braided / Excessive; Deposition; Failed/Falling Instream; Structures	Infrastructure Encroachment	> 500 ft	Herbaceous / Pasture	
492	Unnamed	528.85	West	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious / Forested	
493	Unnamed	51.20	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
494	Unnamed	389.06	West	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious / Forested	
495	Unnamed	101.07	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
496	Unnamed	341.94	West	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
497	Unnamed	185.63	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
498	Unnamed	1747.10	West	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown		
499	Unnamed	582.63	West	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	> 500 ft	Herbaceous / Pasture	
500	Blacks Run	1015.91	West	Perennial	Unaltered	Silt / Loam		False	True	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
501	Unnamed	550.98	West	Unknown	Engineered	Ditch		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
502	Unnamed	1245.52	West	Unknown	Engineered	Ditch		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
503	Unnamed	235.31	West	Unknown	Engineered	Ditch		False	False	Unknown		None	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
504	Unnamed	90.55	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
505	Blacks Run	568.99	West	Perennial	Unaltered	Silt / Loam		False	True	Stage II : Incisive		Grazing / Pasture	Unknown	Herbaceous / Pasture	
506	Unnamed	366.35	West	Unknown	Engineered	Ditch		False	False	Unknown		None	Unknown		
507	Unnamed	594.68	West	Unknown	Engineered	Ditch		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
508	Unnamed	299.99	West	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
509	Unnamed	22.47	West	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
510	Unnamed	267.54	West	Unknown	Engineered	Ditch		False	False	Unknown		None	Unknown		
511	Unnamed	614.11	West	Unknown	Engineered	Ditch		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
512	Blacks Run	943.40	West	Perennial	Unaltered	Bedrock		False	True	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
513	North River	591.06	West	Perennial	Unaltered	Bedrock		False	True	Unknown		Stream Order	Unknown	Forested	
514	Unnamed	546.82	West	Unknown	Unaltered	Gravel / Loam		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
515	Naked Creek	589.42	West	Perennial	Unaltered	Bedrock		False	True	Unknown		Unknown	Unknown	Forested / Pasture	
516	Byers Branch	1413.78	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
517	Broad Run	495.49	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
518	Unnamed	477.16	West	Perennial	Unknown	Unknown		False	False	Unknown		None	> 500 ft	Scrub / Shrub	
519	Unnamed	116.82	West	Unknown	Engineered	Ditch		False	False	Unknown		Limited Length	Unknown	Herbaceous / Pasture	
520	Unnamed	440.66	West	Unknown	Engineered	Ditch		False	False	Unknown		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
521	Unnamed	518.38	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
522	Unnamed	493.85	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
523	Unnamed	90.98	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
524	Unnamed	109.86	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
525	Unnamed	245.74	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
526	Unnamed	256.38	West	Unknown	Engineered	Ditch		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
527	Unnamed	184.14	West	Unknown	Engineered	Ditch		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
528	Unnamed	161.94	West	Unknown	Engineered	Ditch		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
529	Middle River	623.39	West	Perennial	Unknown	Unknown		False	False	Unknown		Stream Order	Unknown	Herbaceous / Pasture	
530	Unnamed	66.47	Median	Unknown	Engineered	Concrete		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
531	Unnamed	47.43	Bridge	Unknown	Engineered	Concrete		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
532	Unnamed	552.81	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
533	Unnamed	481.06	West	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious / Forested	
534	Unnamed	325.42	West	Perennial	Engineered	Riprap		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
535	Unnamed	117.15	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
536	Unnamed	148.83	West	Perennial	Engineered	Ditch		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
537	Unnamed	509.30	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
538	Unnamed	532.74	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
539	Poague Run	648.08	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
540	Lewis Creek	623.90	West	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Herbaceous / Pasture	
541	Unnamed	1627.75	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Scrub / Shrub	
542	Unnamed	1080.44	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
543	Unnamed	463.15	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
544	Unnamed	1166.64	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Forested / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
545	Unnamed	256.57	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
546	Unnamed	216.00	West	Intermittent	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		culvert
547	Unnamed	274.12	West	Intermittent	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		pasture
548	Unnamed	284.09	West	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
549	Unnamed	637.18	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
550	Folly Mills Creek	489.81	West	Perennial	Unaltered	Bedrock	Amphibian; Snapping Turtle	False	False	Stage IV : Stabilizing		Grazing / Pasture	< 200 ft	Herbaceous / Pasture	
551	Folly Mills Creek	89.89	Bridge	Perennial	Engineered	Concrete	Snapping Turtle	False	False	Immobile Bed/Banks	Structures	Infrastructure Encroachment	Unknown	Impervious Surfaces	
552	Unnamed	901.75	West	Unknown	Engineered	Ditch		False	False	Unknown		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
553	Unnamed	448.33	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
554	Unnamed	446.38	West	Unknown	Unknown	Unknown		False	False	Stage IV : Stabilizing		None	Unknown		
555	Unnamed	204.98	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
556	Unnamed	211.46	West	Unknown	Unknown	Unknown		False	False	Stage IV : Stabilizing		None	Unknown		
557	Unnamed	132.02	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
558	Unnamed	175.71	West	Unknown	Unknown	Unknown		False	False	Stage IV : Stabilizing		None	Unknown		
559	Unnamed	67.80	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
560	Unnamed	288.76	West	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
561	Unnamed	276.24	West	Unknown	Engineered	Concrete		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
562	Unnamed	642.44	West	Perennial	Unaltered	Gravel / Cobble		False	False	Stage I : Stable		Grazing / Pasture	Unknown	Forested / Pasture	
563	Christians Creek	400.36	West	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	200-500 ft	Forested	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
564	Unnamed	524.83	West	Unknown	Unknown	Unknown		False	False	Stage I : Stable		Grazing / Pasture	Unknown	Forested / Pasture	
565	Unnamed	488.86	West	Perennial	Unaltered	Gravel / Cobble		False	False	Stage IV : Stabilizing		None	< 200 ft	Herbaceous / Pasture	
566	Unnamed	70.39	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
567	Unnamed	535.68	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Forested / Pasture	
568	South River	1635.91	West	Unknown	Engineered	Ditch		False	True	Unknown		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
569	Unnamed	677.46	West	Unknown	Unaltered	Silt / Loam		False	False	Stage II : Incisive		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
570	Moore's Creek	809.91	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Impervious Surfaces	
571	Moore's Creek	131.35	West	Perennial	Engineered	Concrete		False	False	Immobile Bed/Banks	Deposition; Structures	Unknown	Unknown	Herbaceous / Pasture	
572	Moore's Creek	102.24	West	Perennial	Engineered	Concrete		False	False	Immobile Bed/Banks		Unknown	Unknown		
50001	Moore's Creek	139.18	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50002	Moore's Creek	53.57	Median	Perennial	Engineered	Relocated		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50003	Moore's Creek	157.50	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50004	Moore's Creek	48.53	East	Perennial	Engineered	Relocated		False	False	Unknown		Unknown	Unknown	Impervious Surfaces	
50005	Moore's Creek	75.33	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50006	Moore's Creek	33.00	East	Perennial	Engineered	Relocated		False	False	Unknown		Unknown	Unknown	Impervious Surfaces	
50007	Moore's Creek	416.90	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50008	Moore's Creek	532.22	East	Perennial	Unaltered	Bedrock / Gravel		False	False	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Forested	
50009	Unnamed	169.66	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50010	Unnamed	121.15	Median	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50011	Unnamed	101.18	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50012	Unnamed	505.02	East	Unknown	Unknown	Unknown		False	False	Unknown		Pasture	Unknown	Herbaceous / Pasture	
50013	Unnamed	165.77	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50014	Unnamed	95.01	Median	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50015	Unnamed	118.72	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50016	Unnamed	507.58	East	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Pasture	Unknown	Herbaceous / Pasture	
50017	Unnamed	507.10	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50018	Unnamed	358.13	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50019	Unnamed	1063.57	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50020	Marlbrook Creek	136.43	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50021	Marlbrook Creek	41.84	Median	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50022	Marlbrook Creek	176.62	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50023	Marlbrook Creek	184.30	East	Perennial	Unknown	Unknown	Fish	False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50024	Marlbrook Creek	121.50	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50025	Marlbrook Creek	547.89	East	Perennial	Unknown	Unknown	Fish	False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50026	Marlbrook Creek	38.75	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50027	Marlbrook Creek	197.29	East	Perennial	Unknown	Unknown	Fish	False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50028	Whitesides Run	688.50	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50029	Unnamed	295.16	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50030	Unnamed	1069.91	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50031	Mill Creek	166.13	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50032	Mill Creek	86.33	Median	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50033	Mill Creek	117.94	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50034	Mill Creek	51.20	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50035	Mill Creek	52.36	East	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested / Pasture	
50036	Mill Creek	557.11	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50037	Warm Run	57.67	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50038	Warm Run	545.10	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50039	Unnamed	126.84	Median	Unknown	Unaltered	Gravel / Loam		False	False	Unknown		Stability	Unknown	Forested / Pasture	spring
50040	Warm Run	1115.73	Median	Unknown	Unknown	Unknown		False	False	Unknown		Stability	Unknown	Forested	Sinking stream section.
50041	Warm Run	189.26	Median	Unknown	Unknown	Unknown		False	False	Unknown		Stability	Unknown	Forested	Sinking stream section.
50042	Warm Run	513.04	Median	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50043	Unnamed	301.39	Median	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50044	Unnamed	163.16	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50045	Unnamed	613.80	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50046	Warm Run	573.14	Median	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50047	Warm Run	202.03	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50048	Unnamed	190.55	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50049	Unnamed	281.56	Median	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
50050	Unnamed	145.35	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50051	Unnamed	520.29	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50052	Unnamed	124.75	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50053	Unnamed	246.24	Median	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
50054	Unnamed	231.78	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50055	Unnamed	550.89	East	Unknown	Unknown	Unknown		False	False	Unknown		Pasture	Unknown	Herbaceous / Pasture	
50056	Unnamed	144.94	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50057	Unnamed	174.01	Median	Perennial	Unaltered	Bedrock		False	False	Unknown		Unknown	Unknown	Forested	
50058	Unnamed	109.88	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50059	Unnamed	561.17	East	Unknown	Unaltered	Gravel / Loam	Amphibian; Crayfish	False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50060	Unnamed	150.42	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50061	Unnamed	100.58	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50062	Unnamed	135.78	Median	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
50063	Unnamed	324.20	East	Unknown	Unknown	Unknown		False	False	Unknown		Pasture	Unknown	Herbaceous / Pasture	Appears to be a spring; could not access because of cows
50064	Unnamed	147.09	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50065	Unnamed	189.00	Median	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50066	Unnamed	81.07	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50067	Unnamed	616.47	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
50068	Unnamed	760.87	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50069	Unnamed	150.28	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50070	Unnamed	493.02	Median	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50071	Unnamed	190.41	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50072	Unnamed	105.42	Median	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
50073	Unnamed	148.53	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50074	Unnamed	330.85	Median	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
50075	Unnamed	209.28	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50076	Maury River	37.83	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Forested	
50077	Maury River	57.87	Median	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Forested	
50078	Maury River	42.90	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Forested	
50079	Maury River	543.42	East	Perennial	Unaltered	Bedrock		False	False	Unknown		Unknown	Unknown	Forested	
50080	Gordon's Run	282.28	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50081	Gordon's Run	496.06	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50082	Unnamed	158.94	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50083	Unnamed	125.70	Median	Unknown	Unknown	Unknown		False	False	Unknown	Bank Erosion; Braided / Excessive; Deposition	Infrastructure Encroachment	Unknown	Impervious Surfaces	
50084	Unnamed	122.22	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50085	Unnamed	470.98	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50086	Unnamed	805.47	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50087	Unnamed	169.45	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50088	Unnamed	60.02	Median	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50089	Unnamed	198.05	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50090	Unnamed	304.88	Median	Unknown	Engineered	Piped		False	False	Unknown		Unknown	Unknown		
50091	Unnamed	634.67	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50092	Unnamed	106.77	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50093	Unnamed	646.75	Median	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50094	Unnamed	42.77	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50095	Unnamed	568.65	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50096	Buffalo Creek	44.65	Bridge	Perennial	Unknown	Unknown		False	False	Unknown		Stream Order	Unknown	Forested	
50097	Buffalo Creek	467.79	Median	Perennial	Unknown	Unknown		False	False	Unknown		Stream Order	Unknown	Forested	
50098	Buffalo Creek	40.62	Bridge	Perennial	Unknown	Unknown		False	False	Unknown		Stream Order	Unknown	Forested	
50099	Buffalo Creek	761.15	East	Perennial	Unknown	Unknown		False	False	Unknown		Stream Order	Unknown	Forested	
50100	Unnamed	185.12	Median	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50101	Unnamed	179.27	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50102	Unnamed	121.99	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50103	Unnamed	198.69	East	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
50104	Unnamed	45.07	Median	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50105	Unnamed	32.58	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50106	Unnamed	96.37	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50107	Unnamed	614.88	Median	Perennial	Unknown	Unknown	Fish	False	False	Unknown		Unknown	Unknown	Forested	
50108	Unnamed	129.46	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50109	Unnamed	644.29	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50110	Unnamed	241.38	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50111	Unnamed	552.03	East	Unknown	Unknown	Unknown		False	False	Unknown		Pasture	Unknown	Herbaceous / Pasture	
50112	Poague Run	2647.38	East	Perennial	Unknown	Unknown		False	False	Unknown	Bank Erosion	Pasture	Unknown	Forested / Pasture	
50113	Poague Run	573.70	East	Unknown	Engineered	Concrete		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50114	Unnamed	379.19	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50115	Cedar Creek	35.24	Bridge	Perennial	Unaltered	Bedrock		False	True	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50116	Cedar Creek	118.68	Median	Perennial	Unaltered	Bedrock / Gravel		False	True	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50117	Cedar Creek	40.95	Bridge	Perennial	Unaltered	Bedrock / Gravel		False	True	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50118	Cedar Creek	26.65	East	Perennial	Unaltered	Bedrock / Gravel		False	True	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50119	Cedar Creek	36.24	Bridge	Perennial	Unaltered	Bedrock / Gravel		False	True	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50120	Cedar Creek	1314.76	East	Perennial	Unaltered	Bedrock / Gravel		False	True	Unknown		Stability	Unknown	Forested	
50121	Unnamed	390.61	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	spring
50122	Roaring Run	208.33	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50123	Roaring Run	49.28	Median	Perennial	Unknown	Unknown	Fish	False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50124	Roaring Run	251.96	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50125	Unnamed	271.51	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50126	Roaring Run	1806.12	East	Perennial	Unknown	Unknown	Fish	False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50127	Roaring Run	34.21	East	Perennial	Engineered	Bridge		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50128	Unnamed	278.30	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50129	Roaring Run	261.23	East	Perennial	Unknown	Unknown		False	False	Unknown	Bank Erosion	Unknown	Unknown	Impervious Surfaces	
50130	Unnamed	46.63	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50131	Unnamed	244.20	East	Perennial	Unknown	Unknown		False	False	Unknown	Bank Erosion	Unknown	Unknown	Forested	
50132	Unnamed	348.17	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50133	Unnamed	645.98	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50134	Unnamed	399.49	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50135	Unnamed	542.78	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50136	Unnamed	144.33	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50137	Renick Run	105.51	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50138	Renick Run	171.15	East	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50139	Renick Run	231.60	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50140	Renick Run	41.56	East	Perennial	Unaltered	Bedrock / Gravel		False	False	Unknown		Unknown	Unknown	Forested	
50141	Unnamed	1622.74	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
50142	Renick Run	573.10	East	Perennial	Unaltered	Bedrock / Gravel		False	False	Unknown		Unknown	Unknown	Forested	
50143	Renick Run	38.59	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50144	Renick Run	1774.38	East	Perennial	Unaltered	Bedrock / Gravel		False	False	Unknown		Unknown	> 500 ft	Herbaceous / Pasture	
50145	Renick Run	19.32	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50146	Renick Run	333.91	East	Perennial	Unaltered	Bedrock / Gravel		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50147	Unnamed	73.69	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50148	Unnamed	22.11	West	Perennial	Engineered	Relocated		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50149	Unnamed	168.90	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50150	Unnamed	263.51	East	Perennial	Unaltered	Bedrock		False	False	Unknown		Unknown	Unknown		
50151	Unnamed	27.84	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50152	Unnamed	212.84	East	Perennial	Unaltered	Bedrock		False	False	Unknown		Unknown	Unknown	Forested	
50153	Purgatory Creek	29.84	Bridge	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50154	Purgatory Creek	45.14	Median	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50155	Purgatory Creek	45.30	Bridge	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious/ Herbaceous	
50156	Purgatory Creek	25.51	East	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50157	Purgatory Creek	47.94	Bridge	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50158	Purgatory Creek	628.04	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50159	Purgatory Creek	1630.59	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50160	Purgatory Creek	29.52	Bridge	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50161	Purgatory Creek	254.12	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50162	Purgatory Creek	21.87	Bridge	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50163	Unnamed	914.93	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	Spring fed creek?
50164	Unnamed	186.74	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50165	Purgatory Creek	1194.54	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50166	Purgatory Creek	245.42	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50167	Unnamed	527.84	Culvert	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
50168	Purgatory Creek	388.98	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50169	James River	39.93	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50170	James River	27.55	Median	Perennial	Unaltered	Bedrock		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50171	James River	37.47	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50172	James River	529.87	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50173	Unnamed	253.42	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50174	Unnamed	474.56	East	Unknown	Unknown	Unknown		False	False	Unknown		Pasture	Unknown	Herbaceous / Pasture	
50175	Long Run	396.72	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50176	Long Run	155.97	East	Perennial	Unaltered	Bedrock / Gravel		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50177	Long Run	37.65	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50178	Long Run	1827.37	East	Perennial	Unknown	Unknown		False	False	Unknown		Pasture	Unknown	Forested	
50179	Mill Creek	67.02	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50180	Mill Creek	40.01	Median	Perennial	Unaltered	Bedrock		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50181	Mill Creek	50.02	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50182	Mill Creek	2172.62	East	Perennial	Unaltered	Bedrock		False	False	Stage IV : Stabilizing		Pasture	200-500 ft	Herbaceous / Pasture	
50183	Unnamed	1083.45	East	Unknown	Engineered	Ditch		False	False	Unknown		None	Unknown	Scrub / Shrub	
50184	Mill Creek	309.50	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50185	Mill Creek	512.44	East	Perennial	Unknown	Unknown		False	False	Unknown		Pasture	Unknown	Herbaceous / Pasture	
50186	Beckner Branch	241.16	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50187	Beckner Branch	3719.82	East	Perennial	Unaltered	Silt / Loam		False	False	Unknown		Unknown	Unknown		
50188	Beckner Branch	34.67	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50189	Beckner Branch	316.49	Median	Perennial	Engineered	Culvert		False	False	Stage IV : Stabilizing		Pasture	Unknown	Forested / Pasture	
50190	Beckner Branch	6404.35	East	Perennial	Unknown	Unknown		False	False	Stage IV : Stabilizing		Pasture	Unknown	Forested / Pasture	
50191	Unnamed	185.47	Culvert	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50192	Mill Creek	1759.98	East	Perennial	Unaltered	Gravel / Loam		False	False	Unknown	Bank Erosion	Unknown	Unknown	Forested	
50193	Unnamed	98.44	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
50194	Unnamed	105.33	Median	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50195	Unnamed	114.96	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
50196	Unnamed	584.07	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50197	Unnamed	41.44	West	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50198	Unnamed	89.70	Median	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50199	Unnamed	42.55	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50200	Unnamed	257.68	East	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion	Unknown	Unknown	Forested / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50201	Unnamed	26.02	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50202	Unnamed	345.77	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50203	Unnamed	178.13	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50204	Unnamed	1666.34	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50205	Unnamed	21.31	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50206	Unnamed	390.06	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50207	Unnamed	20.04	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50208	Unnamed	52.17	West	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50209	Unnamed	188.94	Median	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50210	Unnamed	47.93	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50211	Unnamed	353.27	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50212	Unnamed	29.27	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50213	Unnamed	944.83	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50214	Unnamed	222.09	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	spring
50215	Unnamed	489.07	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50216	Unnamed	427.45	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50217	Unnamed	115.17	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown		
50218	Unnamed	255.43	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Impervious / Herbaceous	
50219	Buffalo Creek	1417.20	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50220	Unnamed	98.05	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50221	Buffalo Creek	118.16	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Impervious Surfaces	
50222	Unnamed	308.71	East	Perennial	Engineered	Ditch		False	False	Unknown		Unknown	Unknown		
50223	Buffalo Creek	264.94	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Impervious Surfaces	
50224	Buffalo Creek	580.47	Median	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50225	Tinker Creek	728.39	Unknown	Unknown	Unknown	Unknown		True	True	Unknown		Unknown	Unknown		
50226	Tinker Creek	61.62	Bridge	Perennial	Unknown	Unknown		True	True	Unknown		Unknown	Unknown	Forested	
50227	Tinker Creek	67.02	Median	Perennial	Unknown	Unknown		True	True	Unknown		Unknown	Unknown	Forested	
50228	Tinker Creek	57.02	Bridge	Perennial	Unknown	Unknown		True	True	Unknown		Unknown	Unknown	Forested	
50229	Tinker Creek	573.34	East	Perennial	Unknown	Unknown		True	True	Unknown		Unknown	Unknown	Forested	
50230	Unnamed	93.05	West	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50231	Unnamed	117.63	West	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50232	Unnamed	421.58	Median	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50233	Unnamed	487.42	Median	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50234	Unnamed	78.20	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50235	Unnamed	108.51	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50236	Unnamed	84.90	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown		spring
50237	Unnamed	439.54	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50238	Unnamed	383.63	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50239	Unnamed	906.03	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50240	Unnamed	89.18	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50241	Carvin Creek	82.34	West	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
50242	Carvin Creek	63.10	Median	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
50243	Carvin Creek	64.10	East	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
50244	Unnamed	118.46	East	Perennial	Unknown	Unknown		False	True	Unknown		None	Unknown	Forested	
50245	Carvin Creek	427.39	East	Perennial	Unaltered	Gravel / Loam		False	True	Unknown		Unknown	Unknown	Forested	
50246	Unnamed	281.52	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
50247	Unnamed	82.50	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50248	Unnamed	457.49	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Residential	
50249	Unnamed	203.21	West	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50250	Unnamed	192.08	Median	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50251	Unnamed	43.55	Median	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50252	Unnamed	125.08	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50253	Unnamed	247.91	Median	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50254	Unnamed	43.57	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50255	Unnamed	395.50	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50256	Unnamed	447.04	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50257	Unnamed	115.27	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
50258	Unnamed	222.39	Median	Perennial	Engineered	Culvert		False	False	Unknown	Bank Erosion	Unknown	Unknown	Forested	
50259	Unnamed	604.34	East	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion	Unknown	Unknown	Forested	
50260	Unnamed	572.22	East	Intermittent	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50261	Unnamed	77.50	Median	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown	Forested / Pasture	
50262	Unnamed	221.17	Median	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown	Forested / Pasture	
50263	Unnamed	640.70	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Forested / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50264	Unnamed	1413.50	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50265	Unnamed	214.24	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50266	Mason Creek	499.07	East	Perennial	Unknown	Unknown		False	True	Unknown		Infrastructure Encroachment	Unknown	Forested	
50267	Gish Branch	418.89	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown	Forested	
50268	Gish Branch	268.70	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown	Forested	
50269	Gish Branch	1012.17	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50270	Unnamed	190.13	Median	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown	Forested	
50271	Unnamed	146.97	Culvert	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Forested	
50272	Unnamed	393.67	East	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Forested	
50273	Unnamed	175.94	Median	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50274	Unnamed	515.29	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50275	Unnamed	244.99	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
50276	Unnamed	720.96	East	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		None	Unknown	Forested	
50277	Unnamed	30.20	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50278	Unnamed	714.95	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Impervious Surfaces	
50279	Horners Branch	136.41	East	Perennial	Engineered	Ditch		False	False	Unknown	Bank Erosion; Bed Erosion	Unknown	Unknown	Impervious Surfaces	
50280	Horners Branch	26.45	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50281	Horners Branch	773.68	East	Perennial	Engineered	Ditch		False	False	Unknown		Unknown	Unknown	Impervious Surfaces	
50282	Paint Bank Branch	153.30	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50283	Paint Bank Branch	25.05	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50284	Paint Bank Branch	72.80	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50285	Paint Bank Branch	31.12	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50286	Paint Bank Branch	658.19	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50287	Unnamed	634.08	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50288	Unnamed	226.10	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50289	Unnamed	99.43	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50290	Big Bear Rock Branch	496.01	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50291	Little Bear Rock Branch	310.32	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50292	Little Bear Rock Branch	28.54	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50293	Little Bear Rock Branch	780.61	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50294	Unnamed	527.81	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50295	Unnamed	461.18	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50296	Callahan Branch	783.67	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50297	Unnamed	286.72	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50298	Unnamed	278.54	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50299	Unnamed	148.19	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50300	Unnamed	713.86	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50301	Unnamed	1020.90	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50302	Unnamed	1011.72	Unknown	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50303	Unnamed	1461.41	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50304	Unnamed	1305.41	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50305	Unnamed	1821.57	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown		
50306	Unnamed	371.94	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50307	Unnamed	159.03	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50308	North Fork Roanoke River	1225.96	East	Perennial	Unknown	Unknown		True	False	Unknown		Unknown	Unknown	Forested	
50309	Unnamed	36.19	East	Perennial	Engineered	Riprap		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50310	North Fork Roanoke River	1079.32	East	Perennial	Unknown	Unknown		True	False	Unknown		Unknown	Unknown	Forested	
50311	Unnamed	469.18	Unknown	Unknown	Engineered	Concrete/Culvert		False	False	Unknown		None	Unknown		
50312	Unnamed	504.80	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50313	North Fork Roanoke River	3409.15	East	Perennial	Unknown	Unknown		True	False	Unknown		Unknown	Unknown	Forested	
50314	Unnamed	105.78	East	Perennial	Engineered	Concrete		False	False	Unknown		None	Unknown		
50315	Unnamed	14.87	East	Perennial	Engineered	Sidecast		False	False	Unknown		None	Unknown	Forested	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50316	Unnamed	606.48	East	Perennial	Engineered	Sidecast		False	False	Unknown		None	Unknown	Forested	
50317	Unnamed	770.49	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50318	Unnamed	2359.47	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50319	Unnamed	447.08	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50320	Unnamed	512.34	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50321	Den Creek	413.53	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50322	Unnamed	214.34	East	Perennial	Engineered	Ditch		False	False	Unknown		None	Unknown		
50323	Unnamed	1015.47	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50324	Unnamed	370.34	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50325	Unnamed	63.58	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50326	Crab Creek	1254.21	East	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50327	Unnamed	110.55	East	Perennial	Engineered	Ditch		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50328	Unnamed	106.71	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50329	Unnamed	535.04	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
50330	Unnamed	1287.66	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
50331	Unnamed	495.37	East	Unknown	Unknown	Unknown		False	False	Unknown		Pasture	200-500 ft	Herbaceous / Pasture	
50332	Unnamed	1241.76	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50333	Meadow Creek	1699.40	East	Perennial	Unknown	Unknown		False	False	Unknown	Bank Erosion; Visible Contamination	Pasture	> 500 ft	Herbaceous / Pasture	
50334	Unnamed	291.76	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown		
50335	Unnamed	716.06	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50336	Unnamed	945.13	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50337	Unnamed	153.19	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50338	Meadow Creek	411.87	East	Perennial	Unknown	Unknown		False	False	Unknown	Bank Erosion; Visible Contamination	Pasture	> 500 ft	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50339	Unnamed	823.19	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50340	Unnamed	475.22	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50341	Unnamed	942.14	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50342	New River	534.10	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50343	Unnamed	533.64	East	Intermittent	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50344	Unnamed	137.87	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50345	Unnamed	263.14	Median	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
50346	Unnamed	440.62	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50347	Unnamed	543.93	Median	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50348	Unnamed	741.65	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50349	Goose Creek	863.54	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	possibly relocated
50350	Goose Creek	81.92	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50351	Goose Creek	127.45	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50352	Goose Creek	284.70	East	Perennial	Unknown	Unknown		False	False	Unknown		Pasture	200-500 ft	Herbaceous / Pasture	
50353	Goose Creek	858.22	East	Perennial	Unknown	Unknown		False	False	Stage IV : Stabilizing		Pasture	> 500 ft	Herbaceous / Pasture	
50354	Goose Creek	520.55	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50355	Unnamed	440.48	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50356	Goose Creek	690.77	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50357	Goose Creek	15.43	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50358	Unnamed	72.50	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50359	Unnamed	159.26	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50360	Goose Creek	1399.55	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50361	Unnamed	315.55	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50362	Goose Creek	476.43	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50363	Unnamed	343.26	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50364	Unnamed	900.03	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50365	Peak Creek	524.15	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Forested	
50366	Unnamed	545.55	East	Intermittent	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50367	Unnamed	799.28	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50368	Unnamed	832.20	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50369	Unnamed	673.58	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50370	Unnamed	157.51	East	Intermittent	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50371	Unnamed	430.31	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50372	Unnamed	542.42	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50373	Unnamed	744.83	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50374	Unnamed	497.65	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50375	Unnamed	44.07	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50376	Dark Hollow	422.39	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50377	Sloan Branch	2452.60	East	Perennial	Unknown	Unknown		False	False	Unknown		Pasture	> 500 ft	Herbaceous / Pasture	
50378	Unnamed	2027.32	East	Unknown	Engineered	Concrete		False	False	Unknown		None	Unknown		
50379	Unnamed	446.07	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50380	Unnamed	473.87	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50381	Pine Run	40.56	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50382	Pine Run	4145.84	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50383	Pine Run	637.85	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50384	Unnamed	286.94	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50385	Unnamed	728.89	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50386	Unnamed	1332.44	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50387	Unnamed	874.31	East	Perennial	Unknown	Unknown		False	False	Unknown		Pasture	200-500 ft	Herbaceous / Pasture	
50388	Unnamed	72.96	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50389	Unnamed	250.47	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50390	Unnamed	29.30	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50391	Unnamed	35.77	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50392	Little Pine Run	467.04	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50393	Unnamed	238.35	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50394	Unnamed	929.88	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
50395	Unnamed	505.15	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Scrub / Shrub	
50396	Unnamed	170.14	East	Unknown	Engineered	Ditch		False	False	Unknown		None	Unknown	Impervious / Herbaceous	
50397	Unnamed	904.48	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Scrub / Shrub	
50398	Unnamed	223.79	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50399	Unnamed	455.74	East	Unknown	Engineered	Ditch		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50400	Unnamed	130.16	East	Unknown	Engineered	Ditch		False	False	Unknown		None	Unknown	Impervious Surfaces	
50401	Unnamed	1104.61	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50402	Unnamed	640.21	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50403	Unnamed	1145.37	East	Unknown	Engineered	Ditch		False	False	Unknown		None	Unknown		
50404	Unnamed	492.31	East	Unknown	Unknown	Unknown		False	False	Unknown		Pasture	200-500 ft	Herbaceous / Pasture	
50405	Unnamed	571.49	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	200-500 ft	Herbaceous / Pasture	
50406	Unnamed	27.86	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50407	Unnamed	24.71	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50408	Unnamed	157.75	East	Unknown	Engineered	Concrete		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50409	Unnamed	378.96	East	Unknown	Engineered	Concrete		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50410	Reed Creek	1277.82	East	Perennial	Unaltered	Bedrock / Gravel		False	False	Unknown		Unknown	Unknown	Forested	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50411	Unnamed	1156.67	East	Intermittent	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50412	Unnamed	92.58	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50413	Reed Creek	503.25	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50414	Unnamed	745.68	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
50415	Unnamed	43.16	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50416	Unnamed	424.63	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50417	Unnamed	45.90	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50418	Unnamed	1494.30	East	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Impervious / Herbaceous	
50419	Unnamed	665.46	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50420	Unnamed	41.13	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50421	Unnamed	28.70	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50422	Unnamed	40.04	Culvert	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50423	Unnamed	1060.38	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50424	Unnamed	399.49	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50425	Unnamed	42.18	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50426	Unnamed	2104.22	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
50427	Reed Creek	550.01	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50428	Unnamed	634.97	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50429	Unnamed	28.47	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
50430	Unnamed	440.88	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
50431	Unnamed	20.76	East	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
50432	Muskrat Branch	47.33	Culvert	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50433	Unnamed	6718.57	East	Perennial	Engineered	Concrete		False	False	Unknown		Unknown	Unknown	Impervious Surfaces	
50434	Unnamed	52.31	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50435	Unnamed	196.69	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50436	Unnamed	667.49	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50437	Unnamed	509.37	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50438	Unnamed	304.03	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50439	Unnamed	1382.11	East	Perennial	Unknown	Unknown		False	False	Unknown		Pasture	> 500 ft	Herbaceous / Pasture	
50440	Unnamed	294.15	East	Perennial	Unknown	Unknown		False	False	Unknown		Pasture	> 500 ft	Herbaceous / Pasture	
50441	Unnamed	1029.66	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Scrub / Shrub	
50442	Mill Creek	577.22	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50443	Unnamed	260.93	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
50444	Unnamed	157.29	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50445	Unnamed	435.86	East	Unknown	Engineered	Ditch		False	False	Unknown		None	Unknown		
50446	Dry Run	156.39	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50447	Dry Run	623.89	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50448	Middle Fork Holston River	464.03	East	Perennial	Unknown	Unknown		True	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50449	Unnamed	1028.69	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50450	Middle Fork Holston River	3044.80	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50451	Middle Fork Holston River	204.49	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50452	Unnamed	2706.58	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50453	Middle Fork Holston River	465.47	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50454	Middle Fork Holston River	158.69	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50455	Unnamed	545.21	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50456	Unnamed	238.44	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50457	Unnamed	429.81	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50458	Nicks Creek	278.38	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50459	Nicks Creek	33.63	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50460	Nicks Creek	248.19	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50461	Nicks Creek	36.92	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50462	Nicks Creek	481.33	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50463	Unnamed	1604.65	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50464	Unnamed	584.39	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50465	Unnamed	80.02	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
50466	Unnamed	20.53	Culvert	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50467	Unnamed	296.90	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
50468	Unnamed	126.20	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50469	Unnamed	412.46	East	Unknown	Unknown	Unknown		False	False	Unknown	Bank Erosion; Visible Contamination	None	Unknown		
50470	Unnamed	373.38	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50471	Staley Creek	100.99	East	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Forested	
50472	Staley Creek	82.28	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown	Forested	
50473	Staley Creek	1054.15	East	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Forested	
50474	Unnamed	151.53	East	Perennial	Engineered	Relocated		False	False	Unknown		Unknown	Unknown	Impervious / Herbaceous	
50475	Hooks Branch	30.41	East	Perennial	Engineered	Relocated		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50476	Unnamed	919.92	East	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	200-500 ft	Forested / Pasture	
50477	Unnamed	440.38	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50478	Unnamed	687.07	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50479	Laurel Springs Creek	142.79	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50480	Unnamed	399.87	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50481	Laurel Springs Creek	472.73	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50482	Unnamed	200.81	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50483	Unnamed	852.37	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50484	Tattle Branch	671.28	East	Perennial	Unknown	Unknown		False	True	Unknown		None	Unknown	Herbaceous / Pasture	
50485	Unnamed	530.15	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50486	Unnamed	37.28	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50487	Unnamed	791.03	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50488	Unnamed	893.11	East	Perennial	Unknown	Unknown		False	False	Stage I : Stable		Unknown	Unknown	Herbaceous / Pasture	
50489	Unnamed	812.71	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50490	Unnamed	29.79	East	Perennial	Engineered	Relocated		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50491	Unnamed	75.33	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50492	Unnamed	104.05	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50493	Unnamed	303.60	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50494	Unnamed	320.56	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50495	Unnamed	434.92	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested / Pasture	
50496	Unnamed	225.27	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Impervious / Herbaceous	
50497	Unnamed	937.18	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50498	Greever Branch	529.31	East	Perennial	Unknown	Unknown		False	False	Unknown	Bank Erosion; Visible Contamination	Pasture	200-500 ft	Herbaceous / Pasture	
50499	Middle Fork Holston River	3392.87	East	Perennial	Unknown	Unknown		True	True	Unknown		Unknown	Unknown	Forested / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50500	Hutton Creek	56.71	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown		
50501	Hutton Creek	35.96	East	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
50502	Hutton Creek	36.14	East	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
50503	Hutton Creek	54.06	East	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
50504	Hutton Creek	28.33	East	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
50505	Hutton Creek	41.53	East	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown	Forested / Pasture	
50506	Unnamed	72.44	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50507	Hutton Creek	1149.01	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Forested / Pasture	
50508	Unnamed	1611.02	East	Perennial	Engineered	Relocated		False	False	Unknown		None	Unknown	Forested / Pasture	
50509	Unnamed	199.48	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50510	Unnamed	1733.34	East	Perennial	Engineered	Relocated		False	False	Unknown		None	Unknown	Forested / Pasture	
50511	Unnamed	194.72	East	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50512	Hall Creek	519.00	East	Perennial	Unknown	Unknown		False	True	Unknown		None	Unknown	Forested / Pasture	
50513	Unnamed	626.78	East	Intermittent	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50514	Unnamed	854.74	East	Intermittent	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50515	Cedar Creek	439.36	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Forested	
50516	Cedar Creek	371.03	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Forested / Pasture	
50517	West Fork Cedar Creek	731.19	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50518	Greenway Creek	449.76	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50519	Greenway Creek	15.14	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50520	Greenway Creek	171.69	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50521	Unnamed	229.63	East	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50522	Unnamed	2612.15	East	Perennial	Unknown	Unknown		False	False	Unknown		Pasture	> 500 ft	Herbaceous / Pasture	
50523	Fifteenmile Creek	558.55	East	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Forested	
50524	Berry Creek	730.34	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50525	Town Creek	68.47	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown	Bare Soil	
50526	Unnamed	36.39	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50527	Town Creek	168.20	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50528	Town Creek	48.71	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50529	Town Creek	709.48	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50530	Town Creek	17.79	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50531	Town Creek	304.53	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50532	Wolf Creek	675.38	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50533	Unnamed	122.17	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50534	Unnamed	118.04	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown	Forested	
50535	Unnamed	346.08	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50536	Unnamed	61.21	East	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50537	Unnamed	146.76	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50538	Spring Creek	106.81	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Impervious /	
0539	Spring Creek	39.04	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
0540	Unnamed	1748.53	East	Perennial	Unknown	Unknown		False	False	Unknown		Pasture	> 500 ft	Herbaceous / Pasture	
0541	Spring Creek	17.02	Unknown	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
0542	Spring Creek	990.15	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
0543	Sinking Creek	130.28	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
0544	Sinking Creek	32.51	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50545	Sinking Creek	398.42	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50546	Sinking Creek	54.38	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50547	Sinking Creek	41.06	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50548	Unnamed	107.16	East	Intermittent	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50549	Unnamed	160.57	East	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50550	Unnamed	320.42	East	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50551	Unnamed	88.05	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50552	Unnamed	722.74	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50553	Unnamed	398.09	East	Unknown	Engineered	Ditch		False	False	Unknown		Unknown	Unknown	Impervious / Herbaceous	
50554	Unnamed	586.62	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50555	Beaver Creek	115.13	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Forested	
50556	Beaver Creek	34.17	East	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
50557	Beaver Creek	2161.35	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Forested	
50558	Beaver Creek	553.74	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50559	Beaver Creek	1055.42	Unknown	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50560	Little Creek	41.73	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Impervious Surfaces	
50561	Little Creek	32.99	East	Unknown	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
50562	Little Creek	122.67	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Bare Soil	truck parts yard
50563	Little Creek	90.66	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Bare Soil	truck parts yard
50564	Little Creek	226.50	East	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Bare Soil	
50565	Little Creek	26.84	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50566	Susong Branch	205.59	East	Perennial	Engineered	Relocated		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50567	Susong Branch	500.59	East	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Impervious Surfaces	
50568	Unnamed	443.10	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50569	Unnamed	61.73	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50570	Unnamed	15.54	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50571	Unnamed	32.83	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50572	Stoffel Creek	57.38	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50573	Stoffel Creek	27.53	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown	Forested	
50574	Stoffel Creek	613.50	East	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested / Pasture	
50575	Steele Creek	134.45	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50576	Steele Creek	38.74	East	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50577	Steele Creek	379.95	East	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50578	Moores Creek	843.72	West	Perennial	Engineered	Channelized		False	False	Unknown		Infrastructure Encroachment	> 500 ft	Impervious Surfaces	
50579	Moores Creek	58.81	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50580	Moores Creek	156.14	West	Perennial	Engineered	Concrete		False	False	Immobile Bed/Banks	Structures	Infrastructure Encroachment	< 200 ft	Herbaceous / Pasture	
50581	Moores Creek	62.97	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50582	Moores Creek	56.31	West	Perennial	Engineered	Concrete		False	False	Immobile Bed/Banks	Structures	Infrastructure Encroachment	< 200 ft	Herbaceous / Pasture	
50583	Unnamed	610.29	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
50584	Unnamed	490.14	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
50585	Marlbrook Creek	61.80	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50586	Marlbrook Creek	76.39	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50587	Unnamed	413.89	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50588	Marlbrook Creek	50.33	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50589	Marlbrook Creek	305.52	West	Perennial	Unaltered	Bedrock		False	False	Stage II : Incisive		Bedrock Channel	< 200 ft	Herbaceous / Pasture	
50590	Marlbrook Creek	111.90	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50591	Marlbrook Creek	37.93	West	Perennial	Engineered	Channelized		False	False	Immobile Bed/Banks	Structures	Limited Length	Unknown		
50592	Marlbrook Creek	90.14	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50593	Marlbrook Creek	80.66	West	Perennial	Engineered	Channelized		False	False	Unknown		Limited Length	Unknown		
50594	Unnamed	41.40	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50595	Unnamed	355.08	West	Unknown	Unaltered	Silt / Loam		False	False	Unknown	Bank Erosion	Limited Length	< 200 ft	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50596	Unnamed	2070.97	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50597	Unnamed	92.36	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50598	Mill Creek	273.48	West	Perennial	Engineered	Concrete		False	False	Immobile Bed/Banks	Structures	Unknown	Unknown		
50599	Mill Creek	221.16	West	Perennial	Unknown	Unknown		False	False	Stage IV : Stabilizing		Unknown	Unknown	Forested	
50600	Mill Creek	2687.53	West	Perennial	Unknown	Unknown		False	False	Stage IV : Stabilizing		Unknown	Unknown	Forested	
50601	Unnamed	641.13	West	Unknown	Unaltered	Bedrock		False	False	Unknown		Unknown	Unknown	Forested	
50602	Unnamed	343.29	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50603	Warm Run	1104.57	West	Perennial	Unaltered	Cobble and Sand/Silt		False	False	Stage III : Widening		Unknown	Unknown	Pasture / Forest	
50604	Unnamed	251.48	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50605	Unnamed	276.16	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
50606	Warm Run	3027.65	West	Perennial	Unaltered	Cobble and Sand/Silt		False	False	Stage III : Widening		Unknown	Unknown	Pasture / Forest	
50607	Warm Run	431.34	West	Perennial	Unaltered	Cobble and Sand/Silt		False	False	Stage III : Widening		Unknown	Unknown	Pasture / Forest	
50608	Unnamed	465.31	West	Unknown	Unknown	Unknown		False	False	Stage II : Incisive		Unknown	Unknown	Herbaceous / Pasture	possible spring
50609	Warm Run	580.74	West	Perennial	Unknown	Unknown		False	False	Stage III : Widening		Unknown	Unknown	Herbaceous / Pasture	
50610	Unnamed	485.19	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
50611	Unnamed	473.38	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50612	Warm Run	543.01	Unknown	Perennial	Unaltered	Cobble and Sand/Silt		False	False	Stage III : Widening		Unknown	Unknown	Pasture / Forest	
50613	Unnamed	33.86	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown		unmapped culvert under 81
50614	Warm Run	845.88	Unknown	Perennial	Unaltered	Cobble and Sand/Silt		False	False	Stage III : Widening		Unknown	Unknown	Pasture / Forest	
50615	Warm Run	207.30	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50616	Warm Run	421.08	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50617	Warm Run	52.70	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50618	Warm Run	68.53	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50619	Warm Run	62.13	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50620	Warm Run	780.03	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50621	Warm Run	264.24	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50622	Warm Run	764.98	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Pasture / Forest	
50623	Warm Run	87.92	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50624	Warm Run	4338.94	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50625	Maury River	606.55	West	Perennial	Unknown	Unknown	Fish; Mussels/Clams	False	False	Unknown		Unknown	Unknown		
50626	Maury River	37.83	Bridge	Perennial	Unknown	Unknown	Fish; Mussels/Clams	False	False	Unknown		Unknown	Unknown	Forested	
50627	Unnamed	390.82	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown		
50628	Gordon's Run	1972.79	West	Perennial	Unknown	Unknown		False	False	Stage III : Widening		Unknown	Unknown	Forested	
50629	Gordon's Run	227.94	West	Perennial	Unknown	Unknown		False	False	Stage IV : Stabilizing		Grazing / Pasture	Unknown	Pasture / Forest	
50630	Harrison Run	3035.15	West	Perennial	Unknown	Unknown		False	False	Stage III : Widening		Unknown	Unknown	Pasture / Forest	
50631	Harrison Run	1606.79	West	Perennial	Unknown	Unknown		False	False	Stage III : Widening		Unknown	Unknown	Pasture / Forest	
50632	Harrison Run	493.46	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50633	Harrison Run	1883.39	West	Perennial	Unknown	Unknown		False	False	Stage IV : Stabilizing		Unknown	Unknown	Forested	
50634	Harrison Run	14.16	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50635	Gordon's Run	15645.67	Unknown	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50636	Harrison Run	1797.49	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50637	Harrison Run	2460.23	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50638	Unnamed	513.96	West	Unknown	Unknown	Unknown		False	False	Stage II : Incisive		Unknown	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50639	Unnamed	418.42	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50640	Unnamed	1065.51	West	Unknown	Unknown	Unknown		False	False	Stage II : Incisive		Unknown	Unknown	Herbaceous / Pasture	
50641	Buffalo Creek	594.16	West	Perennial	Unknown	Unknown		False	False	Unknown		Stream Order	Unknown	Forested	
50642	Unnamed	509.85	West	Unknown	Unknown	Unknown		False	False	Stage II : Incisive		None	Unknown	Herbaceous / Pasture	
50643	Unnamed	537.91	West	Unknown	Unknown	Unknown		False	False	Stage II : Incisive		None	Unknown	Herbaceous / Pasture	
50644	Unnamed	372.37	West	Unknown	Unknown	Unknown		False	False	Stage III : Widening		Grazing / Pasture	Unknown	Herbaceous / Pasture	possible wetland mitigation site
50645	Unnamed	77.78	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50646	Unnamed	71.17	West	Unknown	Unknown	Unknown		False	False	Unknown		Limited Length	Unknown	Herbaceous / Pasture	
50647	Unnamed	722.81	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
50648	Cedar Creek	557.85	West	Perennial	Unaltered	Bedrock		False	True	Stage IV : Stabilizing		Stability	Unknown	Herbaceous / Pasture	
50649	Unnamed	1907.44	West	Perennial	Unaltered	Gravel / Cobble	Fish	False	False	Stage III : Widening		Infrastructure Encroachment	200-500 ft		could not find culvert crossing. water does not flow thru culvert that was found. flow is to the north.
50650	Unnamed	319.97	West	Perennial	Unaltered	Gravel / Cobble	Fish	False	False	Stage III : Widening		Infrastructure Encroachment	200-500 ft		could not find culvert crossing. water does not flow thru culvert that was found. flow is to the north.
50651	Unnamed	1131.20	West	Unknown	Unknown	Unknown	Fish	False	False	Stage III : Widening		None	200-500 ft	Herbaceous / Pasture	
50652	Unnamed	414.43	West	Unknown	Unknown	Unknown	Fish	False	False	Stage III : Widening		None	200-500 ft	Herbaceous / Pasture	
50653	Unnamed	958.86	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50654	Unnamed	219.32	West	Unknown	Unknown	Unknown		False	False	Stage III : Widening		None	Unknown	Herbaceous / Pasture	spring fed channel
50655	Roaring Run	458.94	West	Perennial	Unknown	Unknown		False	False	Stage III : Widening		Grazing / Pasture	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50656	Unnamed	517.58	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50657	Unnamed	510.36	West	Perennial	Unknown	Unknown		False	False	Stage V : Stable		None	Unknown	Forested	spring fed
50658	Unnamed	72.46	West	Perennial	Unknown	Unknown		False	False	Stage V : Stable		None	Unknown	Forested	spring fed
50659	Unnamed	54.79	West	Unknown	Unknown	Unknown		False	False	Stage V : Stable		None	Unknown		spring fed
50660	Unnamed	75.36	West	Unknown	Unknown	Unknown		False	False	Stage V : Stable		None	Unknown		spring fed
50661	Unnamed	168.00	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	spring fed
50662	Unnamed	413.71	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50663	Unnamed	564.89	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50664	Unnamed	274.51	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50665	Unnamed	76.02	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50666	Unnamed	214.83	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
50667	Renick Run	288.12	West	Perennial	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
50668	Unnamed	418.40	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50669	Purgatory Creek	488.51	West	Perennial	Unknown	Unknown		False	False	Stage V : Stable		Unknown	Unknown	Pasture / Forest	
50670	Purgatory Creek	38.52	West	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50671	Purgatory Creek	189.68	West	Perennial	Unknown	Unknown		False	False	Stage V : Stable		Unknown	Unknown	Pasture / Forest	
50672	Purgatory Creek	48.27	West	Perennial	Unknown	Unknown		False	False	Stage V : Stable		Unknown	Unknown	Forested	
50673	Unnamed	157.14	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50674	Purgatory Creek	199.52	West	Perennial	Unknown	Unknown		False	False	Stage V : Stable		Unknown	Unknown	Forested	
50675	Unnamed	5062.44	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Pasture / Forest	
50676	Unnamed	17.59	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50677	Purgatory Creek	409.50	West	Perennial	Unknown	Unknown		False	False	Stage V : Stable		Unknown	Unknown	Forested	
50678	Unnamed	698.78	West	Perennial	Unknown	Unknown		False	False	Stage IV : Stabilizing		Unknown	Unknown	Pasture / Forest	
50679	Purgatory Creek	411.64	West	Perennial	Unknown	Unknown		False	False	Stage V : Stable		Unknown	Unknown	Forested	
50680	Purgatory Creek	765.28	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Grazing / Pasture	Unknown	Pasture / Forest	
50681	Unnamed	399.15	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50682	Unnamed	104.58	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50683	Unnamed	131.02	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50684	Unnamed	334.75	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50685	Unnamed	45.14	West	Unknown	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50686	Unnamed	843.40	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50687	James River	533.67	West	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Pasture / Forest	
50688	Unnamed	529.84	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Pasture / Forest	
50689	Long Run	2554.57	West	Perennial	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Pasture / Forest	
50690	Mill Creek	1763.34	West	Perennial	Unknown	Unknown		False	False	Stage V : Stable		Unknown	Unknown	Pasture / Forest	
50691	Mill Creek	2929.91	West	Perennial	Unknown	Unknown		False	False	Stage III : Widening		Unknown	200-500 ft	Herbaceous / Pasture	
50692	Mill Creek	1411.41	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50693	Mill Creek	489.54	West	Perennial	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
50694	Beckner Branch	262.62	West	Perennial	Unknown	Unknown		False	False	Stage III : Widening		Unknown	Unknown	Herbaceous / Pasture	
50695	Unnamed	1100.12	West	Unknown	Unknown	Unknown		False	False	Stage II : Incisive		Grazing / Pasture	Unknown	Herbaceous / Pasture	
50696	Beckner Branch	263.88	West	Perennial	Unknown	Unknown		False	False	Stage III : Widening		Unknown	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50697	Unnamed	323.22	West	Unknown	Unknown	Unknown		False	False	Immobile Bed/Banks	Structures	Limited Length	Unknown	Herbaceous / Pasture	Channel walls lined with rocks. Creek behind rest area.
50698	Unnamed	488.06	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50699	Beckner Branch	1098.45	West	Perennial	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
50700	Unnamed	662.50	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50701	Unnamed	299.25	West	Unknown	Unknown	Unknown		False	False	Stage II : Incisive		None	Unknown	Herbaceous / Pasture	
50702	Unnamed	15.88	West	Unknown	Unknown	Unknown		False	False	Stage II : Incisive		None	Unknown	Herbaceous / Pasture	
50703	Unnamed	1449.11	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50704	Unnamed	48.29	West	Unknown	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
50705	Unnamed	361.25	West	Perennial	Engineered	Riprap		False	False	Unknown		Unknown	Unknown	Impervious Surfaces	
50706	Unnamed	518.43	West	Perennial	Unknown	Unknown		False	False	Stage III : Widening		Unknown	Unknown	Herbaceous / Pasture	
50707	Unnamed	334.08	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50708	Unnamed	119.08	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50709	Unnamed	100.24	West	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
50710	Unnamed	346.93	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Pasture / Forest	
50711	Unnamed	82.75	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50712	Unnamed	102.72	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Herbaceous / Pasture	
50713	Unnamed	536.41	West	Unknown	Unknown	Unknown		False	False	Stage II : Incisive		Unknown	Unknown	Pasture / Forest	
50714	Buffalo Creek	182.21	West	Perennial	Engineered	Riprap		False	False	Immobile Bed/Banks		Unknown	Unknown	Herbaceous / Pasture	
50715	Unnamed	450.76	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50716	Buffalo Creek	635.29	West	Perennial	Unaltered	Gravel / Cobble		False	False	Stage III : Widening		Infrastructure Encroachment	Unknown	Forested	
50717	Buffalo Creek	325.19	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50718	Buffalo Creek	1007.74	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50719	Tinker Creek	737.66	West	Perennial	Unknown	Unknown		True	True	Unknown		Unknown	Unknown	Pasture / Forest	
50720	Unnamed	626.99	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50721	Carvin Creek	367.06	West	Perennial	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Forested	
50722	Carvin Creek	53.12	West	Perennial	Engineered	Culvert		False	True	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50723	Carvin Creek	82.87	West	Perennial	Unknown	Unknown		False	True	Unknown		Infrastructure Encroachment	Unknown	Forested	
50724	Unnamed	775.95	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50725	Unnamed	608.38	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Forested	
50726	Unnamed	131.76	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50727	Unnamed	292.75	West	Unknown	Unaltered	Cobble and Sand/Silt		False	True	Stage V : Stable		Unknown	Unknown	Pasture / Forest	
50728	Unnamed	113.16	West	Unknown	Engineered	Culvert		False	True	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50729	Unnamed	32.93	West	Unknown	Unknown	Unknown		False	True	Unknown		Unknown	Unknown	Impervious Surfaces	
50730	Unnamed	69.22	West	Unknown	Engineered	Culvert		False	True	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50731	Unnamed	18.63	West	Unknown	Unknown	Unknown		False	True	Unknown		None	Unknown		
50732	Unnamed	137.48	Unknown	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown		
50733	Unnamed	321.28	West	Unknown	Engineered	Riprap		False	False	Unknown		None	Unknown		
50734	Mason Creek	395.73	West	Perennial	Unaltered	Bedrock		False	True	Stage V : Stable		Unknown	Unknown	Forested	
50735	Mason Creek	103.69	West	Perennial	Unaltered	Bedrock		False	True	Stage V : Stable		Unknown	Unknown	Forested	
50736	Unnamed	341.70	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50737	Mason Creek	189.65	Bridge	Perennial	Engineered	Gabion		False	True	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50738	Unnamed	2247.63	West	Unknown	Unaltered	Cobble and Sand/Silt		False	False	Stage IV : Stabilizing		Unknown	Unknown	Forested	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50739	Unnamed	3111.23	Unknown	Perennial	Unknown	Unknown		False	False	Unknown		None	Unknown		
50740	Gish Branch	785.59	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
50741	Unnamed	58.29	West	Intermittent	Unknown	Unknown		False	False	Unknown		Unknown	Unknown		
50742	Unnamed	618.85	West	Unknown	Unaltered	Cobble and Sand/Silt		False	False	Stage V : Stable		Unknown	Unknown	Forested	
50743	Unnamed	467.71	West	Unknown	Unaltered	Cobble and Sand/Silt		False	False	Stage V : Stable		None	Unknown	Forested	
50744	Unnamed	104.37	West	Unknown	Unaltered	Cobble and Sand/Silt		False	False	Stage V : Stable		Unknown	Unknown	Forested	
50745	Unnamed	906.39	West	Unknown	Unaltered	Cobble and Sand/Silt		False	False	Stage V : Stable		None	Unknown	Forested	
50746	Unnamed	55.22	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50747	Unnamed	200.75	West	Unknown	Unaltered	Cobble and Sand/Silt		False	False	Stage V : Stable		Infrastructure Encroachment	Unknown	Forested	
50748	Unnamed	634.52	West	Unknown	Unaltered	Cobble and Sand/Silt		False	False	Stage V : Stable		Infrastructure Encroachment	Unknown	Forested	
50749	Unnamed	34.87	West	Unknown	Unaltered	Cobble and Sand/Silt		False	False	Stage V : Stable		Infrastructure Encroachment	Unknown	Forested	
50750	Unnamed	584.00	West	Unknown	Unaltered	Cobble and Sand/Silt		False	False	Stage V : Stable		Infrastructure Encroachment	Unknown	Pasture / Forest	
50751	Unnamed	76.78	West	Unknown	Unaltered	Silt / Loam		False	False	Unknown		None	Unknown	Herbaceous / Pasture	spring channel
50752	Horners Branch	257.65	West	Perennial	Unaltered	Gravel / Cobble		False	False	Stage V : Stable		Unknown	Unknown	Forested	
50753	Horners Branch	212.10	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50754	Horners Branch	395.43	West	Perennial	Unaltered	Gravel / Cobble		False	False	Stage V : Stable		Unknown	Unknown	Forested	
50755	Horners Branch	482.85	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50756	Paint Bank Branch	528.39	West	Perennial	Unaltered	Cobble and Sand/Silt		False	False	Unknown		Unknown	Unknown	Suburban	
50757	Paint Bank Branch	419.54	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50758	Unnamed	575.56	West	Perennial	Unaltered	Cobble and Sand/Silt		False	False	Unknown		Unknown	Unknown	Forested	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50759	Unnamed	248.50	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50760	Unnamed	505.47	West	Perennial	Unaltered	Gravel / Cobble		False	False	Stage III : Widening		Unknown	Unknown	Impervious Surfaces	
50761	Unnamed	314.54	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50762	Big Bear Rock Branch	445.19	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Pasture / Forest	
50763	Big Bear Rock Branch	41.53	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50764	Big Bear Rock Branch	41.11	West	Perennial	Engineered	Concrete		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50765	Big Bear Rock Branch	191.64	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50766	Little Bear Rock Branch	314.63	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Suburban	
50767	Little Bear Rock Branch	10.97	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50768	Stypes Branch	259.17	West	Perennial	Unaltered	Gravel / Cobble		False	False	Immobile Bed/Banks		Unknown	Unknown	Impervious Surfaces	
50769	Stypes Branch	44.28	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50770	Little Bear Rock Branch	297.67	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Suburban	
50771	Stypes Branch	55.66	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Impervious Surfaces	
50772	Little Bear Rock Branch	28.24	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50773	Little Bear Rock Branch	116.16	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50774	Little Bear Rock Branch	173.73	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50775	Unnamed	430.93	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Pasture / Forest	
50776	Callahan Branch	619.28	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Pasture / Forest	
50777	Callahan Branch	34.15	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown	Pasture / Forest	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50778	Callahan Branch	355.47	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50779	Unnamed	635.09	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion; Braided / Excessive	Infrastructure Encroachment	Unknown	Bare Soil	dry channel, subterranean flow
50780	Unnamed	46.11	West	Unknown	Engineered	Metal Pipe		False	False	Unknown		Unknown	Unknown		
50781	Unnamed	406.75	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion; Braided / Excessive	Infrastructure Encroachment	Unknown	Forested	dry channel, subterranean flow
50782	Unnamed	453.99	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Bare Soil	
50783	Unnamed	32.57	West	Perennial	Engineered	Concrete Pipe		False	False	Unknown		Unknown	Unknown		
50784	Unnamed	209.83	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Forested	
50785	Unnamed	103.38	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50786	Unnamed	101.24	West	Perennial	Unaltered	Gravel / Cobble	Crayfish	False	False	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Forested	
50787	Unnamed	575.58	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50788	Unnamed	464.24	West	Unknown	Unaltered	Gravel / Cobble		False	False	Stage I : Stable		Stability	Unknown	Pasture / Forest	Likely spring fed
50789	Unnamed	280.10	West	Unknown	Engineered	Concrete		False	False	Immobile Bed/Banks		Infrastructure Encroachment	200-500 ft	Forested	Likely spring fed.
50790	Unnamed	356.66	West	Unknown	Unaltered	Gravel / Cobble		False	False	Stage II : Incisive		Grazing / Pasture	< 200 ft	Forested	Likely spring fed.
50791	Unnamed	263.12	West	Unknown	Unaltered	Gravel / Cobble		False	False	Stage I : Stable		Limited Length	Unknown	Forested	Likely spring fed.
50792	Unnamed	163.04	West	Unknown	Unaltered	Gravel / Cobble		False	False	Stage I : Stable		Stability	Unknown	Forested	
50793	Unnamed	258.36	Median	Unknown	Engineered	Metal Pipe		False	False	Unknown		None	Unknown		Likely spring fed.
50794	Unnamed	279.51	Median	Unknown	Engineered	Metal Pipe		False	False	Immobile Bed/Banks		Unknown	Unknown		
50795	Unnamed	435.08	West	Perennial	Unknown	Unknown		False	False	Unknown	raided/ Excessive; inefficient / Clogged structures	Grazing / Pasture	200-500 ft	Pasture / Forest	Impounded upstream of culvert.



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50796	Unnamed	496.78	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	200-500 ft	Pasture / Forest	Apparent slough former channel of N. Fork Roanoke River? Perhaps more wetland than stream (water high, storms)
50797	Unnamed	448.46	Median	Perennial	Engineered	Metal Pipe		False	False	Immobile Bed/Banks		Unknown	Unknown		
50798	Unnamed	352.51	Median	Unknown	Engineered	Metal Pipe		False	False	Immobile Bed/Banks		None	Unknown		
50799	Unnamed	890.53	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion; Bed Erosion; Braided / Excessive; Deposition; Headcut; Inefficient / Clogged Conveyance	None	200-500 ft	Forested	
50800	Unnamed	65.14	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50801	Unnamed	37.00	Median	Unknown	Engineered	Concrete		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50802	Unnamed	66.86	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50803	North Fork Roanoke River	102.37	East	Perennial	Unaltered	Bedrock		True	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50804	North Fork Roanoke River	71.12	Median	Perennial	Unknown	Unknown		True	False	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Impervious Surfaces	
50805	North Fork Roanoke River	75.03	Bridge	Perennial	Unknown	Unknown		True	False	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Impervious Surfaces	
50806	North Fork Roanoke River	833.45	West	Perennial	Unknown	Unknown		True	False	Unknown	Bank Erosion	Stream Order	> 500 ft	Impervious Surfaces	In flood, detailed evaluation not possible.
50807	Unnamed	326.29	Median	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
50808	Unnamed	1055.68	West	Unknown	Unaltered	Combination Natural / Ditched		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
50809	Unnamed	201.85	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50810	Unnamed	501.03	West	Unknown	Unaltered	Bedrock		False	False	Unknown	Deposition; Inefficient / Clogged Conveyance	Bedrock Channel	Unknown	Forested	
50811	Unnamed	2242.32	Median	Unknown	Engineered	Concrete	Fish	False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50812	Unnamed	173.17	West	Unknown	Engineered	Concrete Pipe		False	False	Unknown		None	Unknown		
50813	Unnamed	155.09	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50814	Unnamed	3009.95	Median	Unknown	Engineered	Concrete	Fish	False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50815	Unnamed	148.43	Median	Unknown	Engineered	Metal Pipe		False	False	Unknown		None	Unknown		
50816	Unnamed	387.27	Median	Unknown	Engineered	Gabion		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50817	Unnamed	428.71	West	Unknown	Engineered	Metal Pipe		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50818	Unnamed	284.64	West	Unknown	Unaltered	Gravel / Loam		False	False	Unknown		Infrastructure Encroachment	200-500 ft	Forested	Possible sinking stream.
50819	Unnamed	396.66	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown		Stability	Unknown	Forested	
50820	Unnamed	261.21	West	Unknown	Unaltered	Gravel / Cobble		False	False	Stage II : Incisive		Limited Length	< 200 ft	Herbaceous / Pasture	Likely intermittent
50821	Unnamed	436.96	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	Clogged on downstream end
50822	Unnamed	1743.43	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown	Braided / Excessive; Deposition; Inefficient / Clogged Conveyance	Infrastructure Encroachment	> 500 ft	Pasture / Forest	
50823	Den Creek	483.57	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50824	Den Creek	50.08	West	Perennial	Engineered	Concrete		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Forested	Short open reach b / w culverts.
50825	Den Creek	1194.95	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50826	Unnamed	433.95	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	Likely intermittent, carrying stormflow at time.
50827	Unnamed	385.76	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50828	Meadow Creek	576.17	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown	Bank Erosion	Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
50829	Meadow Creek	260.47	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks	Bank Erosion	Infrastructure Encroachment	Unknown	Impervious Surfaces	
50830	Unnamed	664.03	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown		
50831	Unnamed	365.45	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion; Bed Erosion	Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
50832	Unnamed	122.06	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion; Bed Erosion	Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
50833	Unnamed	216.57	West	Unknown	Unknown	Unknown		False	False	Unknown		Limited Length	< 200 ft	Forested	
50834	Unnamed	140.09	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50835	Unnamed	87.31	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50836	Unnamed	1752.77	Median	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion; Bed Erosion	Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50837	Unnamed	192.05	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion; Bed Erosion	Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
50838	Unnamed	106.05	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50839	Unnamed	930.84	Median	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion; Bed Erosion	Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50840	Unnamed	535.67	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown		Not evaluated, likely intermittent.
50841	Unnamed	261.46	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50842	Unnamed	242.82	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50843	Unnamed	412.38	West	Unknown	Unaltered	Gravel / Loam		False	False	Unknown	Bank Erosion; Deposition	Infrastructure Encroachment	200-500 ft	Herbaceous / Pasture	
50844	Unnamed	82.31	Unknown	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50845	Unnamed	408.23	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50846	Unnamed	5084.23	Median	Unknown	Unaltered	Gravel / Cobble	Fish	False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50847	Unnamed	129.12	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50848	Unnamed	593.20	West	Unknown	Unaltered	Gravel / Cobble	Fish	False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
50849	Unnamed	124.08	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50850	Unnamed	113.90	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50851	Unnamed	121.70	West	Unknown	Engineered	Culvert		False	False	Unknown		None	Unknown		
50852	Unnamed	593.52	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown	Braided / Excessive; Deposition	Infrastructure Encroachment	Unknown	Scrub / Shrub	
50853	Unnamed	200.86	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50854	Unnamed	333.89	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
50855	Unnamed	114.57	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50856	Unnamed	399.20	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown		None	200-500 ft	Forested	
50857	Unnamed	1859.66	West	Perennial	Unaltered	Bedrock	Fish	False	False	Unknown	Bank Erosion; Inefficient / Clogged Conveyance	Bedrock Channel	> 500 ft	Pasture / Forest	
50858	New River	528.52	West	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Forested	
50859	New River	47.67	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Forested	
50860	Unnamed	203.40	West	Perennial	Engineered	Culvert	Fish	False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50861	New River	66.56	Median	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Forested	
50862	New River	49.11	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50863	Unnamed	2137.77	Median	Perennial	Unaltered	Gravel / Cobble	Fish	False	False	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Forested	
50864	Unnamed	177.50	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50865	Goose Creek	812.42	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
50866	Goose Creek	29.83	West	Perennial	Engineered	Metal Pipe		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50867	Goose Creek	40.41	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Limited Length	Unknown	Herbaceous / Pasture	
50868	Goose Creek	133.24	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50869	Goose Creek	188.06	West	Perennial	Engineered	Concrete		False	False	Immobile Bed/Banks		Limited Length	Unknown	Herbaceous / Pasture	
50870	Goose Creek	314.70	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50871	Goose Creek	21.34	Median	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50872	Goose Creek	166.06	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50873	Goose Creek	139.13	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50874	Goose Creek	159.51	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50875	Goose Creek	103.81	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50876	Goose Creek	1261.27	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	> 500 ft	Forested	
50877	Goose Creek	490.55	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown		
50878	Peak Creek	535.03	West	Perennial	Unknown	Unknown		False	True	Unknown		Stream Order	Unknown	Pasture / Forest	
50879	Peak Creek	48.09	Bridge	Perennial	Unknown	Unknown		False	True	Unknown		Stream Order	Unknown	Pasture / Forest	
50880	Peak Creek	25.50	Median	Perennial	Unknown	Unknown		False	True	Unknown		Stream Order	Unknown	Pasture / Forest	
50881	Peak Creek	51.12	East	Perennial	Unaltered	Bedrock		False	True	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50882	Unnamed	244.87	Median	Unknown	Engineered	Metal Pipe		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50883	Unnamed	483.69	West	Unknown	Unaltered	Gravel / Loam	Amphibian	False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
50884	Unnamed	862.70	West	Unknown	Unaltered	Gravel / Loam		False	False	Unknown		Stability	Unknown	Forested	Trace estimated.
50885	Unnamed	483.10	West	Unknown	Engineered	Metal Pipe		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50886	Unnamed	393.08	West	Perennial	Unaltered	Bedrock	Fish	False	False	Unknown		Stability	Unknown	Forested	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50887	Unnamed	423.88	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50888	Dark Hollow	465.85	West	Unknown	Unaltered	Gravel / Loam		False	False	Unknown	Bank Erosion	Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
50889	Dark Hollow	431.65	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50890	Sloan Branch	434.03	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown	Bank Erosion; Deposition	Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
50891	Sloan Branch	313.08	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50892	Unnamed	562.66	West	Unknown	Unaltered	Gravel / Loam		False	False	Unknown	Bank Erosion; Braided / Excessive; Deposition; Inefficient / Clogged Conveyance; Visible Contamination	Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
50893	Unnamed	196.00	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50894	Pine Run	654.84	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown	Deposition	Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
50895	Pine Run	50.80	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50896	Pine Run	34.01	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50897	Pine Run	112.55	West	Perennial	Engineered	Concrete Pipe		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50898	Pine Run	342.67	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50899	Pine Run	173.03	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50900	Unnamed	235.45	West	Unknown	Unaltered	Gravel / Loam		False	False	Unknown		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
50901	Unnamed	351.88	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50902	Little Pine Run	406.83	West	Perennial	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Pasture / Forest	
50903	Little Pine Run	54.82	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50904	Little Pine Run	31.45	West	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
50905	Little Pine Run	259.46	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50906	Unnamed	232.94	West	Unknown	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	200-500 ft	Pasture / Forest	
50907	Unnamed	284.19	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50908	Unnamed	292.65	West	Unknown	Engineered	Ditched		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50909	Unnamed	134.43	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50910	Unnamed	19.69	Median	Unknown	Engineered	Ditched		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50911	Unnamed	78.00	East	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50912	Unnamed	211.86	West	Unknown	Unaltered	Silt / Loam		False	False	Stage 1 : Stable		Grazing / Pasture	Unknown	Herbaceous / Pasture	Likely spring fed.
50913	Unnamed	346.32	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50914	Unnamed	488.61	West	Perennial	Unaltered	Gravel / Cobble	Ducks	False	False	Unknown		Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
50915	Unnamed	265.98	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50916	Reed Creek	569.71	West	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Forested	
50917	Reed Creek	39.89	Bridge	Perennial	Unknown	Unknown		False	False	Unknown		Stream Order	Unknown	Forested	
50918	Reed Creek	30.90	Median	Perennial	Unknown	Unknown		False	False	Unknown		Stream Order	Unknown	Forested	
50919	Reed Creek	38.19	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Impervious Surfaces	
50920	Unnamed	276.81	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown	Bank Erosion	Grazing / Pasture	200-500 ft	Herbaceous / Pasture	
50921	Reed Creek	1056.24	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Stream Order	Unknown	Pasture / Forest	
50922	Unnamed	123.11	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50923	Reed Creek	45.10	Bridge	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Stream Order	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50924	Reed Creek	21.22	Median	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50925	Reed Creek	60.66	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50926	Reed Creek	30.95	Median	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50927	Reed Creek	63.31	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50928	Reed Creek	19.81	East	Perennial	Unaltered	Bedrock		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50929	Reed Creek	47.04	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50930	Unnamed	1015.15	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	> 500 ft	Scrub / Shrub	
50931	Unnamed	679.08	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50932	Reed Creek	1406.08	West	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Forested	
50933	Muskrat Branch	419.94	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
50934	Muskrat Branch	41.78	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks	Inefficient / Clogged Conveyance	Infrastructure Encroachment	Unknown	Impervious Surfaces	
50935	Reed Creek	871.07	West	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Forested	
50936	Reed Creek	1813.42	West	Perennial	Unknown	Unknown		False	False	Unknown		Stream Order	Unknown	Forested	
50937	Unnamed	457.90	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50938	Reed Creek	530.22	West	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Forested	
50939	Reed Creek	37.88	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Impervious Surfaces	
50940	Reed Creek	27.58	Median	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Impervious Surfaces	
50941	Reed Creek	38.32	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50942	Unnamed	75.81	West	Unknown	Unknown	Unknown		False	False	Unknown		Limited Length	< 200 ft	Forested	
50943	Muskrat Branch	1391.22	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50944	Unnamed	1430.33	West	Unknown	Unaltered	Gravel / Loam		False	False	Unknown		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
50945	Unnamed	192.61	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50946	Muskrat Branch	258.11	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50947	Reed Creek	790.06	West	Perennial	Unknown	Unknown		False	False	Unknown		Stream Order	Unknown	Forested	
50948	Pine Run	237.50	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Grazing / Pasture	Unknown	Pasture / Forest	
50949	Pine Run	625.82	West	Perennial	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Pasture / Forest	
50950	Pine Run	342.57	West	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	200-500 ft	Pasture / Forest	
50951	Pine Run	27.24	Bridge	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	200-500 ft	Pasture / Forest	
50952	Pine Run	473.00	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	200-500 ft	Pasture / Forest	
50953	Pine Run	111.82	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	200-500 ft	Pasture / Forest	
50954	Unnamed	139.73	West	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Suburban	
50955	Unnamed	103.05	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50956	Unnamed	81.51	West	Unknown	Engineered	Ditched		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Suburban	
50957	Unnamed	192.20	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50958	Unnamed	422.21	West	Perennial	Unaltered	Silt / Loam		False	False	Unknown	Inefficient / Clogged Conveyance	Stability	Unknown	Scrub / Shrub	
50959	Unnamed	285.97	Median	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50960	Unnamed	416.83	West	Perennial	Unaltered	Silt / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
50961	Unnamed	69.57	West	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
50962	Unnamed	437.35	West	Perennial	Unaltered	Silt / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50963	Unnamed	931.47	West	Unknown	Unknown	Unknown		False	False	Unknown		None	Unknown	Scrub / Shrub	
50964	Unnamed	191.19	West	Perennial	Unaltered	Silt / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
50965	Unnamed	94.09	West	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
50966	Unnamed	50.14	West	Perennial	Unaltered	Silt / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
50967	Unnamed	574.85	Median	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50968	Mill Creek	496.99	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown	Bank Erosion; Deposition	Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
50969	Mill Creek	322.95	Median	Perennial	Engineered	Culvert		False	False	Unknown		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
50970	Unnamed	456.76	West	Unknown	Engineered	Ditched		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	Possible spring.
50971	Unnamed	215.95	Median	Unknown	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50972	Unnamed	681.31	West	Perennial	Unaltered	Silt / Loam		False	False	Unknown		Stability	Unknown	Forested	Likely spring fed
50973	Unnamed	338.16	Median	Unknown	Engineered	Metal Pipe		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	Likely spring fed
50974	Dry Run	1031.39	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown	Bank Erosion; Deposition	None	Unknown	Forested	
50975	Dry Run	117.41	West	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50976	Dry Run	102.03	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50977	Dry Run	61.48	Unknown	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50978	Dry Run	312.49	Unknown	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
50979	Unnamed	473.48	West	Unknown	Unaltered	Bedrock		False	False	Unknown		Stability	Unknown	Forested	Possibly spring fed
50980	Unnamed	225.33	Median	Unknown	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50981	Crow Hollow	282.82	Unknown	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Pasture / Forest	
50982	Crow Hollow	24.09	West	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
50983	Crow Hollow	283.12	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Pasture / Forest	
50984	Crow Hollow	68.18	Median	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50985	Unnamed	62.96	Median	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50986	Unnamed	61.06	Median	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50987	Middle Fork Holston River	41.02	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Pasture / Forest	
50988	Middle Fork Holston River	38.02	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Bedrock Channel	Unknown	Pasture / Forest	
50989	Middle Fork Holston River	41.02	Bridge	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Pasture / Forest	
50990	Middle Fork Holston River	277.38	West	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Pasture / Forest	
50991	Middle Fork Holston River	34.84	West	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Pasture / Forest	
50992	Middle Fork Holston River	523.83	West	Perennial	Unaltered	Bedrock		False	False	Unknown		Stream Order	Unknown	Pasture / Forest	
50993	Unnamed	59.55	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	200-500 ft	Suburban	
50994	Unnamed	47.91	West	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	200-500 ft	Suburban	
50995	Unnamed	417.83	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	200-500 ft	Suburban	
50996	Unnamed	297.71	Median	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
50997	Middle Fork Holston River	713.84	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Pasture / Forest	
50998	Middle Fork Holston River	438.08	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Pasture / Forest	
50999	Nicks Creek	105.77	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51000	Nicks Creek	18.45	West	Perennial	Engineered	Culvert		False	False	Unknown	Inefficient / Clogged Conveyance	Infrastructure Encroachment	Unknown	Suburban	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
51001	Nicks Creek	181.23	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51002	Nicks Creek	52.36	West	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51003	Shupe Hollow	452.23	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	200-500 ft	Suburban	
51004	Nicks Creek	134.78	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51005	Nicks Creek	30.33	West	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51006	Nicks Creek	154.73	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51007	Nicks Creek	42.04	West	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51008	Shupe Hollow	363.40	Median	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown	Pasture / Forest	
51009	Nicks Creek	323.15	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51010	Nicks Creek	49.01	Bridge	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51011	Nicks Creek	60.26	Median	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51012	Nicks Creek	50.41	Bridge	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51013	Unnamed	743.77	West	Unknown	Engineered	Concrete		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Forested	
51014	Arney Hollow	415.43	West	Perennial	Unaltered	Silt / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown		
51015	Unnamed	92.41	West	Perennial	Engineered	Ditched		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51016	Arney Hollow	30.03	West	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
51017	Arney Hollow	238.96	West	Perennial	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
51018	Unnamed	193.08	Median	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51019	Hutton Branch	413.04	West	Perennial	Unaltered	Gravel / Cobble	Fish	False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
51020	Hutton Branch	293.22	Median	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51021	Middle Fork Holston River	499.51	West	Perennial	Unaltered	Cobble and Sand/Silt		True	False	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Suburban	
51022	Middle Fork Holston River	43.18	West	Perennial	Unaltered	Cobble and Sand/Silt		True	False	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Suburban	
51023	Middle Fork Holston River	617.99	West	Perennial	Unaltered	Cobble and Sand/Silt		True	False	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Suburban	
51024	Unnamed	552.33	West	Perennial	Unaltered	Cobble and Sand/Silt		False	False	Unknown		Stability	Unknown	Herbaceous / Pasture	
51025	Middle Fork Holston River	1736.53	West	Perennial	Unaltered	Cobble and Sand/Silt		True	False	Unknown	Bank Erosion	Stability	Unknown	Herbaceous / Pasture	
51026	Middle Fork Holston River	528.28	West	Perennial	Unaltered	Cobble and Sand/Silt		True	False	Unknown	Bank Erosion	Stability	Unknown	Forested	
51027	Middle Fork Holston River	1418.03	West	Perennial	Unaltered	Cobble and Sand/Silt		True	False	Unknown	Bank Erosion	Stability	Unknown	Forested	
51028	Unnamed	197.86	Bridge	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
51029	Middle Fork Holston River	550.24	West	Perennial	Unaltered	Cobble and Sand/Silt		True	False	Unknown	Bank Erosion	Stability	Unknown	Forested	
51030	Unnamed	661.22	West	Perennial	Unaltered	Gravel / Loam	Fish	False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
51031	Middle Fork Holston River	162.34	West	Perennial	Unaltered	Cobble and Sand/Silt		True	False	Unknown	Bank Erosion	Stability	Unknown	Forested	
51032	Unnamed	114.00	West	Perennial	Unaltered	Cobble and Sand/Silt		False	False	Unknown		Limited Length	Unknown	Scrub / Shrub	
51033	Unnamed	384.51	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
51034	Middle Fork Holston River	3722.49	West	Perennial	Unaltered	Cobble and Sand/Silt		True	False	Unknown	Bank Erosion	Stability	Unknown	Forested	
51035	Unnamed	665.56	Median	Perennial	Engineered	Culvert		False	False	Unknown		None	Unknown		
51036	Unnamed	1061.97	West	Unknown	Engineered	Ditched		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
51037	Unnamed	455.49	West	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
51038	Hooks Branch	180.10	West	Perennial	Engineered	Relocated Stream		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51039	Unnamed	164.22	West	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
51040	Staley Creek	866.58	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51041	Hooks Branch	93.39	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51042	Staley Creek	169.51	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51043	Staley Creek	292.93	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51044	Hooks Branch	673.02	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51045	Hooks Branch	56.50	Bridge	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51046	Hooks Branch	62.41	Median	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51047	Hooks Branch	46.62	Bridge	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51048	Middle Fork Holston River	648.73	West	Perennial	Unaltered	Cobble and Sand/Silt		True	True	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Suburban	
51049	Unnamed	112.00	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Stability	Unknown	Forested	
51050	Unnamed	344.11	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown		Stability	Unknown	Forested	
51051	Unnamed	254.66	West	Unknown	Unaltered	Bedrock		False	False	Unknown		None	Unknown	Forested	Likely sinkhole
51052	Unnamed	201.21	West	Unknown	Engineered	Metal Pipe		False	False	Unknown		None	Unknown		
51053	Laurel Springs Creek	615.43	West	Perennial	Unknown	Unknown		False	False	Unknown		Unknown	Unknown	Forested	
51054	Unnamed	342.55	Median	Unknown	Engineered	Concrete		False	False	Unknown		None	Unknown		
51055	Unnamed	113.35	West	Perennial	Unaltered	Bedrock		False	False	Unknown		Unknown	Unknown		
51056	Laurel Springs Creek	354.93	Median	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51057	Unnamed	23.28	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51058	Unnamed	320.69	Median	Unknown	Engineered	Metal Pipe		False	False	Unknown		None	Unknown		
51059	Middle Fork Holston River	2485.29	West	Perennial	Unaltered	Bedrock		True	True	Unknown		Stream Order	Unknown	Pasture / Forest	
51060	Unnamed	220.45	West	Unknown	Unknown	Unknown		False	False	Unknown		Unknown	200-500 ft	Herbaceous / Pasture	
51061	Middle Fork Holston River	20.39	West	Perennial	Unaltered	Bedrock		False	True	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
51062	Unnamed	29.98	West	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51063	Unnamed	93.27	West	Unknown	Unknown	Unknown		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
51064	Unnamed	264.95	West	Perennial	Unaltered	Bedrock		False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
51065	Middle Fork Holston River	704.57	West	Perennial	Unaltered	Bedrock		True	True	Unknown		Infrastructure Encroachment	Unknown	Forested	
51066	Unnamed	135.09	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51067	Middle Fork Holston River	2478.82	West	Perennial	Unaltered	Bedrock		True	True	Unknown		Infrastructure Encroachment	Unknown	Forested	
51068	Middle Fork Holston River	175.51	West	Perennial	Unaltered	Bedrock		True	True	Unknown		Stream Order	Unknown	Herbaceous / Pasture	
51069	Middle Fork Holston River	16.26	West	Perennial	Unaltered	Bedrock		True	True	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51070	Tattle Branch	164.88	West	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
51071	Tattle Branch	27.67	Median	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
51072	Tattle Branch	50.75	East	Perennial	Engineered	Culvert		False	True	Unknown		Unknown	Unknown		
51073	Middle Fork Holston River	216.82	West	Perennial	Unaltered	Bedrock		True	True	Unknown		Unknown	Unknown		
51074	Tattle Branch	35.13	West	Perennial	Engineered	Culvert		False	True	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51075	Unnamed	253.04	West	Unknown	Unaltered	Silt / Loam		False	False	Unknown		None	Unknown	Herbaceous / Pasture	
51076	Tattle Branch	287.98	West	Perennial	Unaltered	Gravel / Cobble		False	True	Unknown		Unknown	> 500 ft	Forested	
51077	Tattle Branch	551.88	West	Perennial	Unaltered	Gravel / Cobble		False	True	Unknown		Infrastructure Encroachment	> 500 ft	Forested	
51078	Unnamed	379.35	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown		Limited Length	Unknown	Scrub / Shrub	
51079	Middle Fork Holston River	1502.96	West	Perennial	Unaltered	Bedrock		True	True	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Suburban	
51080	Middle Fork Holston River	40.73	West	Perennial	Unaltered	Bedrock		True	True	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Suburban	
51081	Unnamed	165.80	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51082	Middle Fork Holston River	1371.94	West	Perennial	Unaltered	Bedrock		True	True	Unknown		Unknown	Unknown		



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
51083	Middle Fork Holston River	1474.81	West	Perennial	Unaltered	Bedrock		True	True	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Suburban	
51084	Unnamed	250.17	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51085	Tattle Branch	1371.34	West	Perennial	Unaltered	Gravel / Cobble		False	True	Unknown		Unknown	> 500 ft	Forested	
51086	Unnamed	627.75	West	Unknown	Unknown	Unknown		False	True	Unknown		Unknown	> 500 ft	Scrub / Shrub	
51087	Unnamed	172.40	West	Unknown	Unknown	Unknown		False	True	Unknown		Unknown	> 500 ft	Scrub / Shrub	
51088	Middle Fork Holston River	191.45	Unknown	Perennial	Unaltered	Bedrock		True	True	Unknown		Stream Order	Unknown	Forested	
51089	Middle Fork Holston River	42.24	West	Perennial	Unaltered	Bedrock		True	True	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51090	Middle Fork Holston River	4124.83	West	Perennial	Unaltered	Bedrock		True	True	Unknown		Stream Order	Unknown	Suburban	
51091	Middle Fork Holston River	73.43	West	Perennial	Unaltered	Bedrock		True	True	Unknown		Stream Order	Unknown	Suburban	
51092	Middle Fork Holston River	142.43	West	Perennial	Unaltered	Bedrock		True	True	Unknown		Stream Order	Unknown	Suburban	
51093	Middle Fork Holston River	53.17	West	Perennial	Unaltered	Bedrock		True	True	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51094	Middle Fork Holston River	904.23	West	Perennial	Unaltered	Bedrock		True	True	Unknown		Stream Order	Unknown	Pasture / Forest	
51095	Unnamed	256.18	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51096	Unnamed	382.59	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51097	Middle Fork Holston River	782.14	West	Perennial	Unaltered	Bedrock		True	True	Unknown		Infrastructure Encroachment	Unknown	Forested	
51098	Middle Fork Holston River	56.25	Bridge	Perennial	Unaltered	Bedrock		True	True	Unknown		Infrastructure Encroachment	Unknown	Forested	
51099	Middle Fork Holston River	38.16	Bridge	Perennial	Unaltered	Bedrock		True	True	Unknown		Infrastructure Encroachment	Unknown	Forested	
51100	Middle Fork Holston River	57.24	Bridge	Perennial	Unaltered	Bedrock		True	True	Unknown		Infrastructure Encroachment	Unknown	Forested	
51101	Greever Branch	574.18	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Grazing / Pasture	> 500 ft	Herbaceous / Pasture	
51102	Unnamed	427.25	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
51103	Unnamed	47.50	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
51104	Unnamed	418.84	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
51105	Unnamed	520.36	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
51106	Greever Branch	299.23	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51107	Hutton Creek	1197.93	West	Perennial	Unaltered	Bedrock		False	True	Unknown	Bank Erosion	Grazing / Pasture	Unknown	Forested	
51108	Hutton Creek	35.74	West	Perennial	Unaltered	Bedrock		False	True	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Impervious Surfaces	
51109	Unnamed	638.19	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
51110	Hutton Creek	130.48	West	Perennial	Unaltered	Bedrock		False	True	Unknown	Bank Erosion	Stability	Unknown	Pasture / Forest	
51111	Hutton Creek	121.49	West	Perennial	Unaltered	Bedrock		False	True	Unknown	Bank Erosion	Stability	Unknown	Pasture / Forest	
51112	Hutton Creek	161.78	Median	Perennial	Engineered	Culvert		False	True	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51113	Hall Creek	536.68	West	Perennial	Unknown	Unknown		False	True	Unknown		Grazing / Pasture	> 500 ft	Pasture / Forest	
51114	Hall Creek	288.59	Median	Perennial	Engineered	Culvert		False	True	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51115	Cedar Creek	594.71	West	Perennial	Unaltered	Gravel / Cobble		False	True	Unknown	Bank Erosion; Braided / Excessive; Deposition; Inefficient / Clogged Conveyance	Grazing / Pasture	Unknown	Pasture / Forest	
51116	Cedar Creek	259.20	Median	Perennial	Engineered	Culvert		False	True	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51117	West Fork Cedar Creek	494.95	West	Perennial	Unaltered	Gravel / Loam		False	True	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
51118	West Fork Cedar Creek	114.32	West	Perennial	Engineered	Culvert		False	True	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51119	West Fork Cedar Creek	49.66	Median	Perennial	Unaltered	Gravel / Loam		False	True	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
51120	West Fork Cedar Creek	110.31	Unknown	Perennial	Engineered	Culvert		False	True	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51121	Greenway Creek	642.73	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown	Bank Erosion; Braided excessive; Deposition; silted / Failing Instream headcut	Unknown	200-500 ft	Forested	
51122	Greenway Creek	48.77	Bridge	Perennial	Engineered	Concrete		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51123	Greenway Creek	102.74	Median	Perennial	Engineered	Concrete		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51124	Greenway Creek	45.33	Bridge	Perennial	Engineered	Concrete		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51125	Unnamed	704.72	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
51126	Unnamed	325.36	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51127	Unnamed	567.99	West	Unknown	Unaltered	Gravel / Loam		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
51128	Unnamed	299.20	Median	Unknown	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51129	Fifteenmile Creek	453.89	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
51130	Fifteenmile Creek	313.22	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51131	Berry Creek	883.81	West	Perennial	Unaltered	Silt / Loam		False	False	Unknown		Grazing / Pasture	Unknown	Pasture / Forest	
51132	Berry Creek	205.13	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51133	Unnamed	22.91	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51134	Town Creek	65.68	West	Perennial	Engineered	Relocated Stream		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51135	Town Creek	320.85	West	Perennial	Engineered	Riprap		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51136	Town Creek	56.48	West	Perennial	Engineered	Relocated Stream		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51137	Unnamed	362.90	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
51138	Unnamed	485.61	West	Perennial	Engineered	Ditched		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51139	Town Creek	578.43	West	Perennial	Engineered	Relocated Stream		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51140	Town Creek	32.44	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51141	Town Creek	66.75	West	Perennial	Engineered	Relocated Stream		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51142	Town Creek	44.20	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51143	Town Creek	48.66	Median	Perennial	Engineered	Relocated Stream		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51144	Town Creek	43.57	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51145	Wolf Creek	270.99	West	Perennial	Unknown	Unknown	Ducks	False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
51146	Unnamed	30.08	West	Perennial	Unknown	Unknown	Ducks	False	False	Unknown		Unknown	Unknown		
51147	Wolf Creek	299.20	West	Perennial	Unknown	Unknown	Ducks	False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
51148	Wolf Creek	47.66	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51149	Wolf Creek	84.87	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51150	Wolf Creek	45.24	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51151	Spring Creek	834.32	West	Perennial	Unaltered	Silt / Loam		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
51152	Spring Creek	72.72	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51153	Spring Creek	244.65	West	Perennial	Engineered	Relocated Stream		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51154	Spring Creek	128.57	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51155	Spring Creek	90.01	West	Perennial	Engineered	Relocated Stream		False	False	Unknown		Unknown	Unknown		
51156	Spring Creek	47.43	Bridge	Perennial	Engineered	Relocated Stream		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
51157	Spring Creek	37.62	Median	Perennial	Engineered	Relocated Stream		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51158	Spring Creek	45.02	Bridge	Perennial	Engineered	Relocated Stream		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51159	Sinking Creek	1352.22	West	Perennial	Unaltered	Cobble and Sand/Silt		False	False	Unknown		Grazing / Pasture	Unknown	Scrub / Shrub	
51160	Unnamed	21.72	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51161	Unnamed	29.04	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51162	Sinking Creek	47.15	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
51163	Unnamed	616.12	West	Perennial	Unaltered	Gravel / Loam		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
51164	Sinking Creek	44.70	Bridge	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown		
51165	Sinking Creek	40.83	Median	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown		
51166	Sinking Creek	42.56	Bridge	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Unknown	Unknown		
51167	Beaver Creek	34.75	West	Perennial	Engineered	Relocated Stream		False	True	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51168	Beaver Creek	821.66	West	Perennial	Engineered	Relocated Stream		False	True	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51169	Beaver Creek	44.70	West	Perennial	Engineered	Relocated Stream		False	True	Unknown		Unknown	Unknown		
51170	Beaver Creek	161.57	West	Perennial	Engineered	Relocated Stream		False	True	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51171	Beaver Creek	968.14	West	Perennial	Engineered	Relocated Stream		False	True	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51172	Beaver Creek	88.93	West	Perennial	Engineered	Relocated Stream		False	True	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51173	Unnamed	34.33	West	Perennial	Engineered	Culvert		False	True	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51174	Unnamed	159.09	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51175	Unnamed	330.09	Bridge	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51176	Unnamed	517.63	West	Perennial	Unaltered	Gravel / Cobble	Fish	False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
51177	Unnamed	22.17	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51178	Unnamed	68.84	Median	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
51179	Unnamed	127.21	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51180	Unnamed	41.32	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51181	Unnamed	20.23	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51182	Beaver Creek	149.07	West	Perennial	Unaltered	Gravel / Cobble		False	True	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
51183	Beaver Creek	17.52	West	Perennial	Engineered	Culvert		False	True	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51184	Beaver Creek	480.53	West	Perennial	Unaltered	Gravel / Cobble		False	True	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51185	Beaver Creek	150.09	Bridge	Perennial	Unaltered	Gravel / Cobble		False	True	Unknown		Unknown	Unknown		
51186	Mumpower Creek	633.32	West	Perennial	Unaltered	Gravel / Cobble	Fish	False	False	Unknown		Infrastructure Encroachment	Unknown	Suburban	
51187	Mumpower Creek	60.79	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51188	Mumpower Creek	225.10	West	Perennial	Unaltered	Bedrock	Fish	False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51189	Little Creek	623.17	West	Perennial	Unaltered	Bedrock	Fish	False	True	Unknown		Infrastructure Encroachment	Unknown	Forested	
51190	Little Creek	10.45	West	Perennial	Unaltered	Bedrock		False	True	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51191	Little Creek	124.79	Bridge	Perennial	Unaltered	Bedrock	Fish	False	True	Unknown		Infrastructure Encroachment	Unknown	Forested	
51192	Susong Branch	87.62	East	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51193	Susong Branch	472.51	West	Perennial	Unaltered	Gravel / Cobble	Fish	False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
51194	Susong Branch	1041.56	Median	Perennial	Engineered	Relocated Stream	Fish	False	False	Unknown	Bank Erosion	Infrastructure Encroachment	Unknown	Scrub / Shrub	
51195	Susong Branch	207.66	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51196	Unnamed	389.58	West	Perennial	Unaltered	Bedrock	Amphibian	False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	



Table A-2 All Streams in I-81 Study Area (Cont'd)

ID	Stream Name	Length	Location Relative to ROW	Streamflow Condition	Channel Type	Channel Attributes	Fauna Observed	Threatened	Impaired	Stage of Channel Evolution	Channel Instability	Chief Impediment to Restoration	Length of Possible Restoration	Riparian Vegetation	Comments
51197	Unnamed	13.26	West	Perennial	Engineered	Culvert	Amphibian	False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51198	Stoffel Creek	40.88	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51199	Stoffel Creek	34.30	West	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51200	Stoffel Creek	15.89	West	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51201	Stoffel Creek	32.82	West	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51202	Unnamed	126.35	West	Perennial	Unaltered	Bedrock	Amphibian	False	False	Unknown		Infrastructure Encroachment	Unknown	Forested	
51203	Unnamed	197.61	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51204	Stoffel Creek	331.16	West	Perennial	Unaltered	Bedrock		False	False	Unknown		Infrastructure Encroachment	Unknown	Herbaceous / Pasture	
51205	Stoffel Creek	511.79	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Unknown	Unknown		
51206	Stoffel Creek	185.83	West	Perennial	Engineered	Relocated Stream		False	False	Unknown		Infrastructure Encroachment	Unknown	Scrub / Shrub	
51207	Stoffel Creek	427.39	Median	Perennial	Engineered	Culvert		False	False	Immobile Bed/Banks		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51208	Steele Creek	321.80	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
51209	Unnamed	102.98	West	Perennial	Unknown	Unknown		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
51210	Unnamed	52.78	West	Perennial	Engineered	Culvert		False	False	Unknown		Infrastructure Encroachment	Unknown	Impervious Surfaces	
51211	Unnamed	329.28	West	Perennial	Unknown	Unknown		False	False	Unknown		Stability	Unknown	Herbaceous / Pasture	
51212	Steele Creek	112.00	West	Perennial	Unaltered	Gravel / Cobble		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
51213	Steele Creek	45.98	West	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		
51214	Steele Creek	39.07	West	Unknown	Unaltered	Gravel / Cobble		False	False	Unknown		Grazing / Pasture	Unknown	Herbaceous / Pasture	
51215	Steele Creek	187.28	Median	Perennial	Engineered	Culvert		False	False	Unknown		Unknown	Unknown		



# Figure A-1

Potential Impacts to Wetlands and Streams  
I-81 Corridor





Sheet 1 of 11

Potential Wetland and Stream Impacts: I-81 from TN State Line to Exit 32



Sheet 1 of 11

Potential Wetland and Stream Impacts: I-81 from TN State Line to Exit 14

Concept	TN Line - Exit 1		Exit 1 – Exit 3		Exit 3 – Exit 5		Exit 5 – Exit 7		Exit 7 – Exit 10		Exit 10 – Exit 13		Exit 13 – Exit 14		Total	
	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)	ST (lf)	WT (ac) <sup>1</sup>	ST (lf) <sup>1</sup>
No-Build	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Width	0	0	0	0	0	80	0	0	0	648	0	748	0	1,388	0	2,865
Maximum Width	0	0	0	0	0	80	0	0	0	646	0	1,671	0	1,604	0	4,001
Add 2-Lanes	0	1,495	0	1,600	0	152	0	639	0	649	0	573	0	1,388	0	6,496
Add 8-Lanes	0	1,656	0	2,122	0	333	0	975	0	716	0	1,671	0	1,604	0	9,077

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

WT (ac) = Wetlands (Acres)

ST (lf) = Streams (Linear Feet)

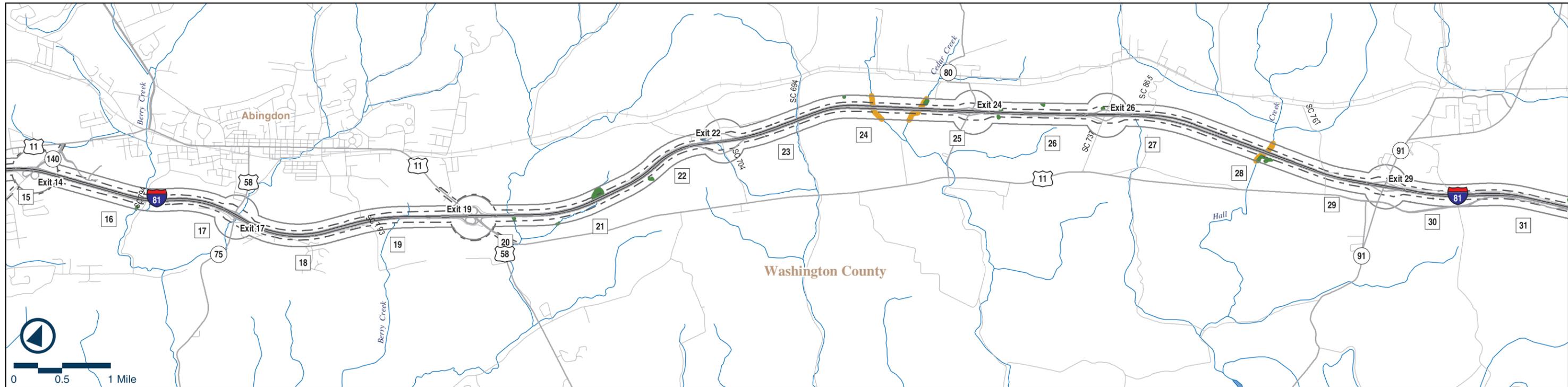
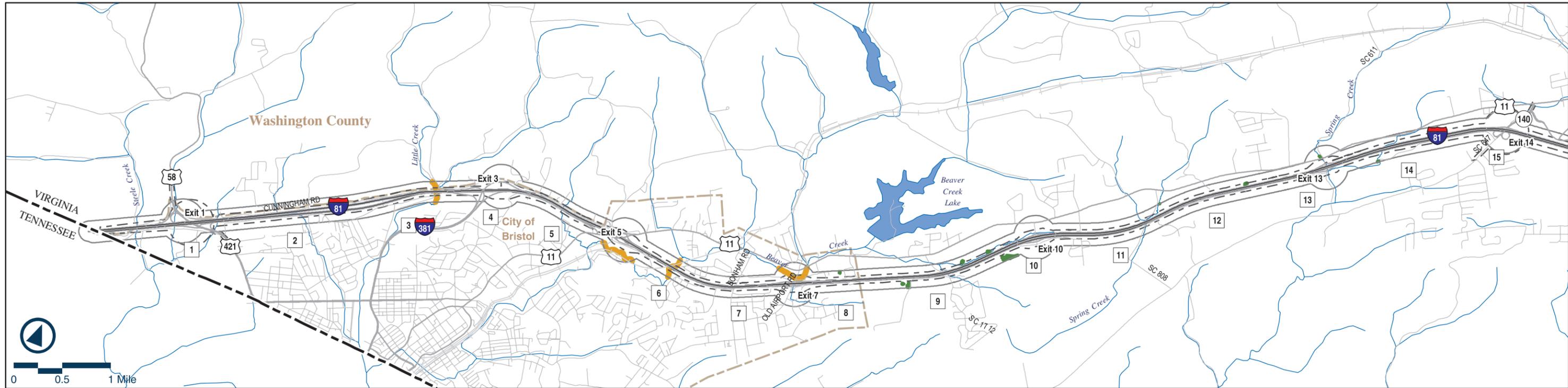
Potential Wetland and Stream Impacts: I-81 from Exit 14 to Exit 32

Concept	Exit 14 – Exit 17		Exit 17 – Exit 19		Exit 19 – Exit 22		Exit 22 – Exit 24		Exit 24 – Exit 26		Exit 26 – Exit 29		Exit 29 – Exit 32		Total	
	WT (ac)	ST (lf)	WT (ac) <sup>1</sup>	ST (lf) <sup>1</sup>												
No-Build	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Width	0	365	0	1,541	0.2	1,312	0	693	0.1	0	0	264	0	988	0.3	5,162
Maximum Width	0	514	0	1,613	0.2	1,312	0	693	0.1	0	0	264	0	988	0.3	5,384
Add 2-Lanes	0	364	0	1,537	0.2	1,312	0.1	693	0	0	0	264	0	988	0.3	4,170
Add 8-Lanes	0	514	0	1,685	0.6	2,043	0.2	1,428	0	0	0	369	0.1	1,658	0.9	6,039

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

WT (ac) = Wetlands (Acres)

ST (lf) = Streams (Linear Feet)



- # 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 1 of 11

Figure **A-1**



Sheet 2 of 11

Potential Wetland and Stream Impacts: I-81 from Exit 32 to Exit 60



Sheet 2 of 11

Potential Wetland and Stream Impacts: I-81 from Exit 32 to Exit 45

Concept	Exit 32 – Exit 35		Exit 35 – Exit 39		Exit 39 – Exit 44		Exit 44 – Exit 45		Total	
	WT (ac)	ST (lf)	WT (ac) <sup>1</sup>	ST (lf) <sup>1</sup>						
No-Build	0	0	0	0	0	0	0	0	0	0
Minimum Width	1.1	4,653	1.9	5,348	0.4	235	2.1	1,413	5.5	11,649
Maximum Width	1.1	4,653	1.9	5,348	0.4	235	2.1	1,413	5.5	11,649
Add 2-Lanes	1.1	4,653	1.9	5,348	0.4	235	2.1	1,413	5.5	11,649
Add 8-Lanes	1.6	7,201	3.2	8,769	0.7	510	2.2	1,780	7.7	18,260

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

WT (ac) = Wetlands (Acres)

ST (lf) = Streams (Linear Feet)

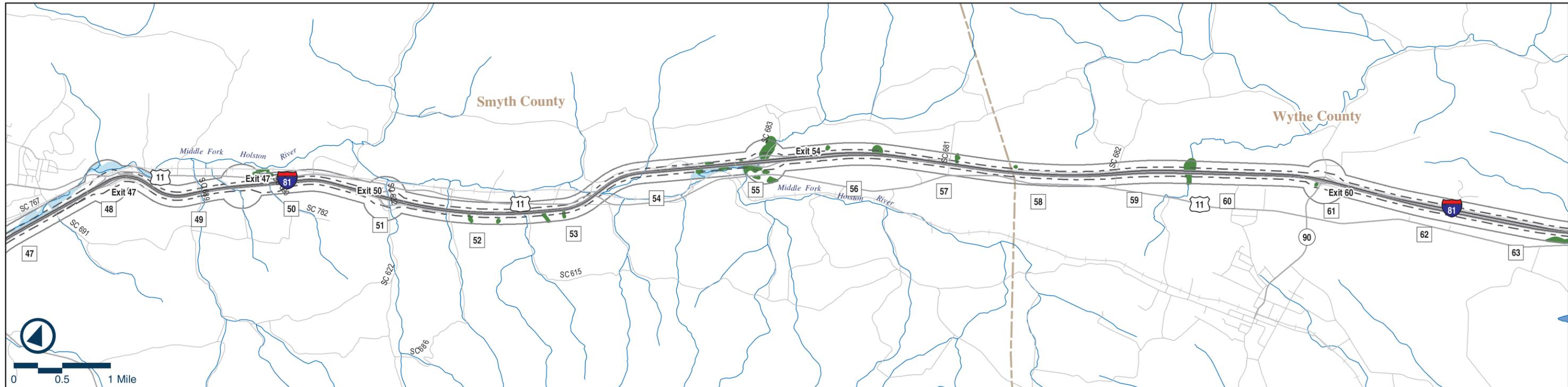
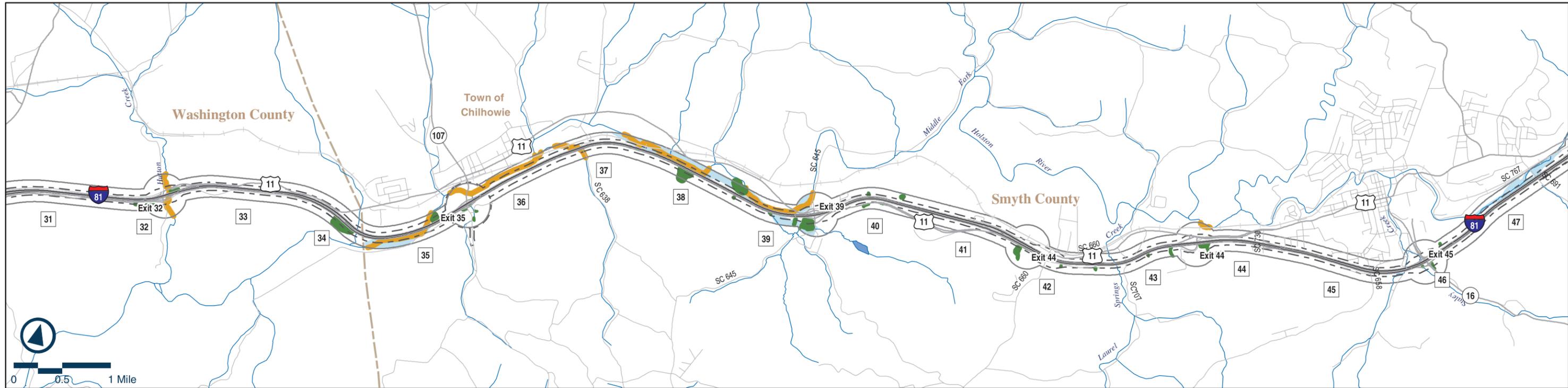
Potential Wetland and Stream Impacts: I-81 from Exit 45 to Exit 60

Concept	Exit 45 – Exit 47		Exit 47 – Exit 50		Exit 50 – Exit 54		Exit 54 – Exit 60		Total	
	WT (ac)	ST (lf)	WT (ac) <sup>1</sup>	ST (lf) <sup>1</sup>						
No-Build	0	0	0	0	0	0	0	0	0	0
Minimum Width	0.2	1,002	0	699	1.6	3,374	0.1	752	1.9	5,827
Maximum Width	0.2	1,002	0	699	1.6	3,374	0.1	752	1.9	5,827
Add 2-Lanes	0.2	1,002	0	699	1.6	3,374	0.1	752	1.9	5,827
Add 8-Lanes	0.3	2,829	0	1,191	3.8	5,263	0.9	1,061	5.0	10,344

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

WT (ac) = Wetlands (Acres)

ST (lf) = Streams (Linear Feet)



- # 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 2 of 11

Figure **A-1**



Sheet 3 of 11

Potential Wetland and Stream Impacts: I-81 from Exit 60 to Exit 94



Sheet 3 of 11

Potential Wetland and Stream Impacts: I-81 from Exit 60 to Exit 77

Concept	Exit 60 – Exit 67		Exit 67 – Exit 70		Exit 70 – Exit 72		Exit 72 – Exit 73		Exit 73 – Exit 77		Total	
	WT (ac)	ST (lf)	WT (ac)	ST (lf)								
No-Build	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Width	0	626	0	475	0.8	869	0	179	0	2,202	0.8	4,351
Maximum Width	0	626	0	475	0.8	869	0	179	0	2,202	0.8	4,351
Add 2-Lanes	0	626	0	475	0.8	869	0	179	0	2,202	0.8	4,351
Add 8-Lanes	0.4	872	0.2	1,098	0.8	869	0	235	0	2,178	1.4	5,252

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)

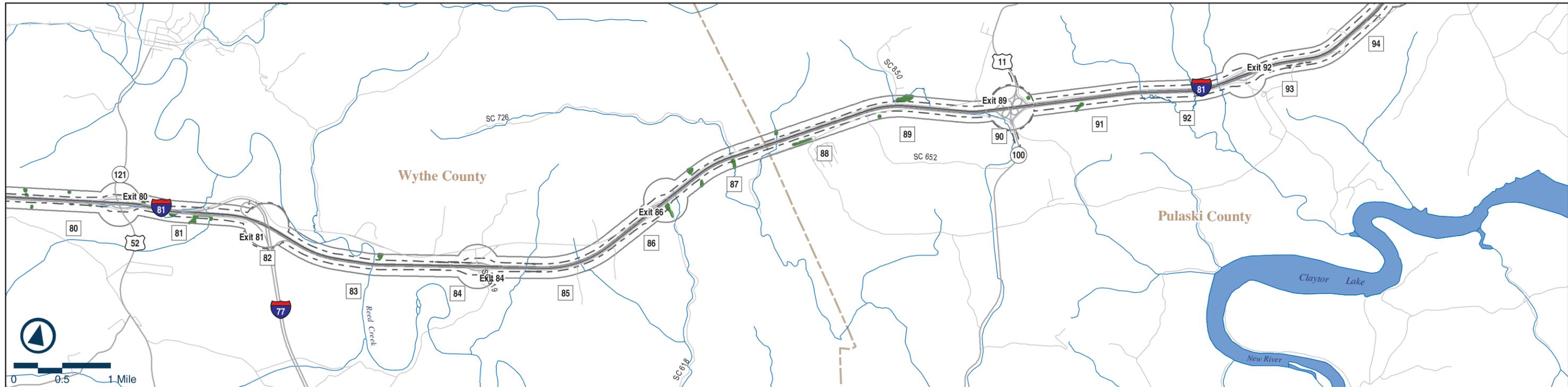
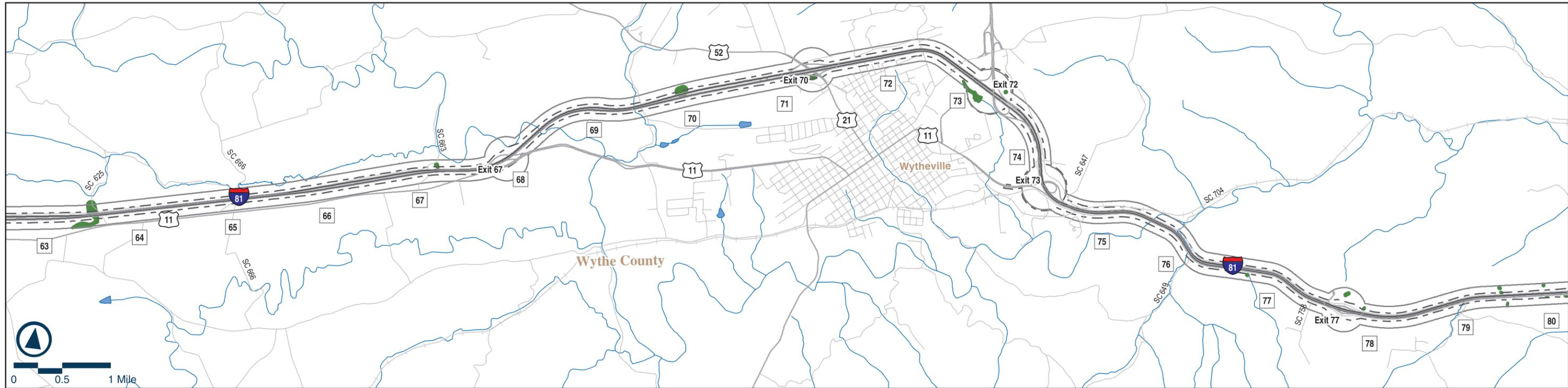
Potential Wetland and Stream Impacts: I-81 from Exit 77 to Exit 94

Concept	Exit 77 – Exit 80		Exit 80 – Exit 81		Exit 81 – Exit 84		Exit 84 – Exit 86		Exit 86 – Exit 89		Exit 89 – Exit 93		Exit 93 – Exit 94		Total	
	WT (ac)	ST (lf)	WT (ac)	ST (lf)												
No-Build	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Width	0.02	7,174	0.6	3,914	0	339	0.4	0	0	5,233	0	857	0	1.8	1.0	17,517
Maximum Width	0.02	7,174	0.6	3,914	0	386	0.7	0	0.1	5,529	0	2,207	0	133	1.4	19,210
Add 2-Lanes	0.02	7,174	0.6	3,914	0	339	0.4	0	0	5,219	0	857	0	1.8	1.0	17,505
Add 8-Lanes	0.04	7,285	0.9	4,487	0	434	0.7	0	0.1	5,657	0	2,207	0	133	1.7	20,203

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)



- # 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 3 of 11



Sheet 4 of 11

Potential Wetland and Stream Impacts: I-81 from Exit 94 to Exit 128



Sheet 4 of 11

Potential Wetland and Stream Impacts: I-81 from Exit 94 to Exit 109

Concept	Exit 94 – Exit 98		Exit 98 – Exit 101		Exit 101 – Exit 105		Exit 105 – Exit 109		Total	
	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac) <sup>1</sup>	ST (lf) <sup>1</sup>
No-Build	0	0	0	0	0	0	0	0	0	0
Minimum Width	0	1,922	0	0	0	767	0.1	0	0.1	2,689
Maximum Width	0.1	1,682	0	0	0.1	2,433	0.1	0	0.3	4,115
Add 2-Lanes	0	1,726	0	0	0	732	0.1	0	0.1	2,458
Add 8-Lanes	0.1	2,195	0	0	0.1	2,433	0.2	0	0.4	4,628

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

WT (ac) = Wetlands (Acres)

ST (lf) = Streams (Linear Feet)

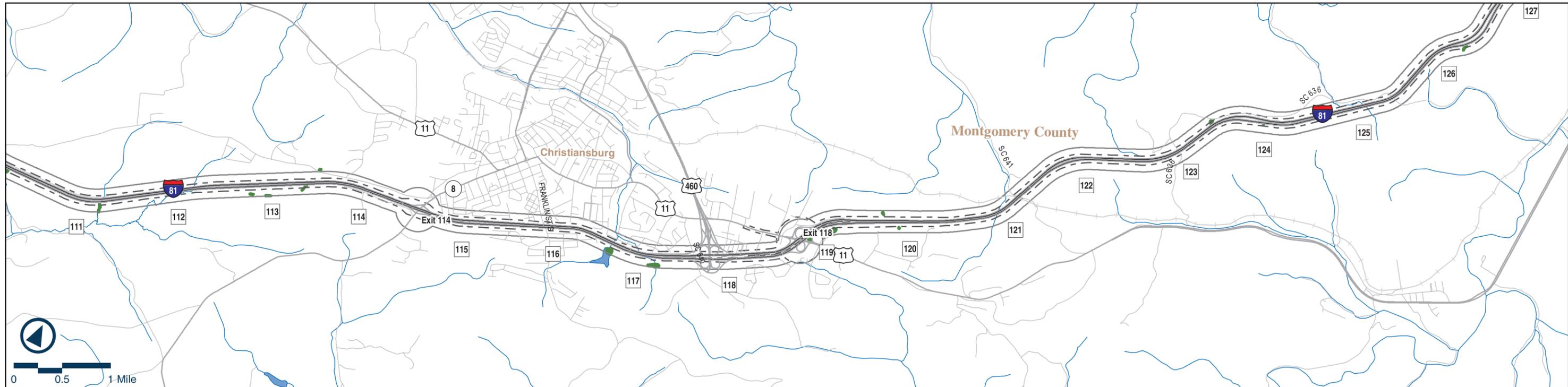
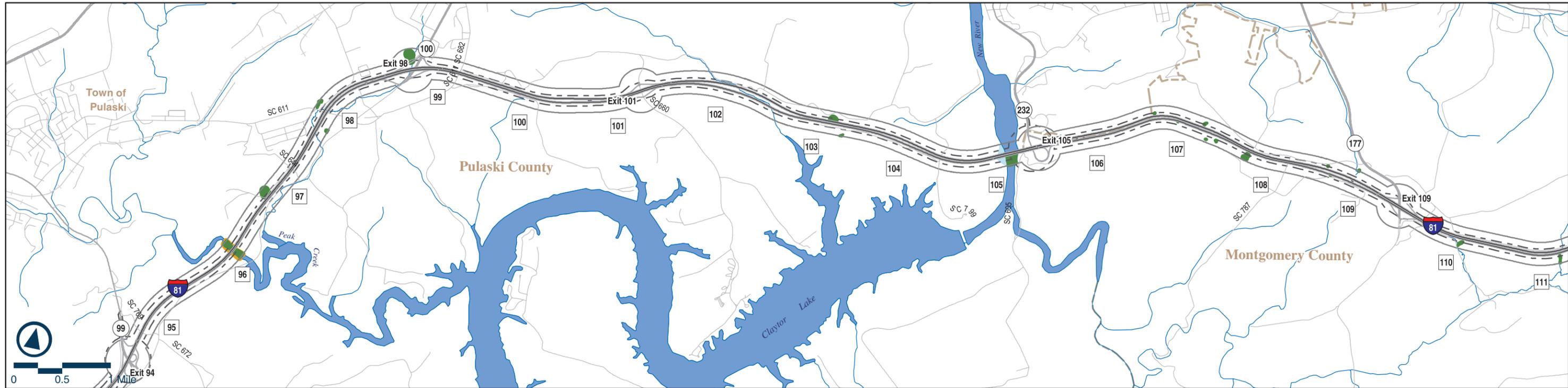
Potential Wetland and Stream Impacts: I-81 from Exit 109 to Exit 128

Concept	Exit 109 – Exit 114		Exit 114 – Exit 118		Exit 118 – Exit 128		Total	
	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac)	ST (lf)	WT (ac) <sup>1</sup>	ST (lf) <sup>1</sup>
No-Build	0	0	0	0	0	0	0	0
Minimum Width	0.1	400	0	341	0.3	1,609	0.4	2,350
Maximum Width	0.5	1,803	0.1	384	0.5	3,844	1.1	6,031
Add 2-Lanes	0.1	296	0	341	0.3	1,577	0.4	2,214
Add 8-Lanes	0.5	1,803	0.1	384	0.5	3,844	1.1	6,031

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

WT (ac) = Wetlands (Acres)

ST (lf) = Streams (Linear Feet)



- # 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 4 of 11

Figure **A-1**