APPENDIX I
JURISDICTIONAL RESOURCES INFORMATION

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APPENDIX I - TABLE 1
POND IMPACTS FOR PREFERRED ALTERNATIVE REFINED PRELIMINARY DESIGN
STIP Project U-3321 - Gaston East-West Connector Final EIS

Pond impacts calculated based on right-of-way limits plus a buffer of 25 feet from each slope stake line
Source for Pond Attributes and DSA 9 Impacts: *Natural Resources Technical Report for the Gaston East-West Connector,* Earth Tech, Inc., February 2008
Source for Refined Design Impacts: PBS&J

Earth Tech Pond ID	Corridor Segment	General Location Along Corridor	Total Acres Within Corridor	Cowardin Classification	Draft EIS DSA 9 Preliminary Design	Preferred Alternative Refined Design*	Preferred Alternative Service Roads
4	H2A	South of Belfast Dr	1.31	PEM1/PUBHh			
5	H2A	South of Belfast Dr	1.56	PUBHh/PEM1Fh			0.33
10	H3	Linwood Springs Golf Course	0.82	PUB3Hhx			
11	J4a	Linwood Springs Golf Course	0.93	PUB3Hhx			
12	J4a	Linwood Springs Golf Course	1.23	PUB3Hh	1.23	1.23	
17	J4a	North of New Haven Dr	0.26	PUB3H			
18	J4a	Adjacent to Crowders Creek Rd	0.07	PUB3Hh	0.03	0.03	
24	J2d	East of Robinson Rd	1.43	PUBHh	1.15	1.09	
25	J2d	East of Robinson Rd	1.93	PUBHh			
26	J2d	East of Robinson Rd	0.27	PUBHh			
27	J2d	West of Bud Wilson Rd	0.72	PUBHh			
28	J2d	East of Bud Wilson Rd	0.90	PUBHh			
29	J2d	East of Bud Wilson Rd	0.17	PUBHh			
30	J2d	East of Bud Wilson Rd	0.68	PUBHh	0.68	0.68	
31	JX4	End of Dorchester Dr	0.08	PUBHh			
32	JX4	East of Patrick Rd	0.30	PUBHh			
37	J1e	East of Wilson Farm Rd	0.47	PUBHh	0.34	0.34	
38	J1f	East of Union Rd (NC 274)	0.54	PUBHh		0.52	
40	K1A	East of Rufus Ratchford Rd	0.41	PUBHh	0.41	0.07	
41	K1A	West of Rufus Ratchford Rd	0.65	PUBHh			
44	K3A	West of South New Hope Rd (SR 279)	2.42	PUBHh			
45	K3B	East of South New Hope Rd (SR 279)	1.00	PUBHh			
46	K3B	East of South New Hope Rd (SR 279)	1.04	PUBHh			
52	K3B	East of Boat Club Rd	0.20	PUBHh	0.20	0.20	
56	K3C	West of I-485	1.06	PUBHh			
57	K3C	West of I-485	0.06	PUBHh	0.06	0.06	
58	K3C	East of I-485	1.063	PUBHh			
Total					**4.1**	**4.2**	**0.3**

* This column includes mainline and Y-lines

Pond numbers not consecutive because only those within the Preferred Alternative Study Corridor are listed.

APPENDIX I - TABLE 2
WETLAND IMPACTS FOR PREFERRED ALTERNATIVE REFINED PRELIMINARY DESIGN
STIP Project U-3321 - Gaston East-West Connector Final EIS

Wetlands bridged as a result of Concurrence Point 2a are noted
Wetland impacts calculated based on right-of-way limits plus a buffer of 25 feet from each slope stake line
Sources for Attributes and Draft EIS DSA 9 Impacts: *Natural Resources Technical Report for the Gaston East-West Connector*,Earth Tech, Inc., February 2008 and the Turnpike Environmental Agency Coordination Meeting held April 8, 2008
Sources for Preferred Alternative Impacts: PBS&J

Wetland Number*	Corridor Segment	Wetland Size (acres)	Cowardin Classification	DWQ Rating	Wetland Quality Rating	Draft EIS DSA 9 Preliminary Design	Preferred Alternative Refined Design*	Preferred Alternative Service Roads
25	H2a	0.03	PEM1B	37	Low			
26	H2a	0.01	PEM1F	20	Low			
27	H2a	0.01	PSS3C	31	Low			
28	H2a	0.01	PEM1B	27	Low			
29	H2a	0.14	PSS1C	40	Low	0.10	0.10	
30	H2a	0.03	PSS1/3C	44	Low	0.03	0.03	
31	H2a	0.70	PEM1Fh	39	Low			
32	H2a	0.02	PSS1B	31	Low			
33	H2a	0.10	PFO1C	47	Medium			
34	H2a	2.91	PFO1C	73	High			0.07
35	H2a	1.17	PEM1/SS1C	78	High	1.17	1.17	
36	H2a	0.06	PFO1B	40	Low	0.06	0.06	
37	H2a	0.06	PFO1B	21	Low			
37A	H2a	0.01	PFO1B	23	Low			
38	H2a	0.04	PEM1B	21	Low			
39	H2a	0.38	PFO1C	47	Medium			
40	H2a	0.05	PFO1A	26	Low			
41	H2a	0.02	PFO1B	31	Low			
42	H2a	0.002	PFO1B	32	Low			
43	H2a	0.01	NA	NA	NA	0.01	0.01	
44	H2a	0.37	PFO1G	42	Low	0.05	0.05	
45	H2a	0.04	PFO1Ah	19	Low			
46	H3	0.57	PSS1Bds	69	High			
47	H3	0.11	PFO1Cs	16	Low			0.04
48	H3	0.09	PFO1C	59	Medium			0.01
49	H3	0.16	PFO1C	34	Low			
50	H3	0.14	PFO1C	28	Low			
51	H3	2.07	PFO1C	70	High	1.35	1.25	
52	H3	0.23	PFO1Cd	55	Medium			
53	H3	0.20	PFO1C	22	Low			
54	H3	0.48	PFO1C	22	Low			
58	H3	0.06	PEM1C	36	Low	0.01	0.01	
59	H3	0.38	PSS1Fh	46	Medium	0.01	0.01	
77	H3	0.02	PFO1C	39	Low			
78	H3	0.22	PEM1/SS1F	36	Low	0.04	0.03	
79	H3	0.02	PEM1/SS1Fd	39	Low	< 0.01		
80	H3	0.01	PFO1G	36	Low			
81	H3	0.03	PFO1B	20	Low	0.03	0.03	
82	H3	0.38	PFO1Cd	20	Low	0.21	0.21	
83	H3	0.10	PFO1Cd	20	Low	0.01	0.01	
84	H3	0.06	PSS1B	32	Low	0.01	0.01	
85	H3	0.35	PFO1C	63	High			
86	H3	0.03	PEM1B	27	Low	0.03	0.01	
87	H3	0.14	PFO1B	19	Low	< 0.01	< 0.01	
95	H3	0.02	PFO1/4C	23	Low			
99	J4a	2.19	PFO1C/PUBH	34	Low	0.46	0.38	
100	J4a	0.26	PFO1/EM1C	24	Low	0.04	0.02	

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Wetlands bridged as a result of Concurrence Point 2a are noted
Wetland impacts calculated based on right-of-way limits plus a buffer of 25 feet from each slope stake line
Sources for Attributes and Draft EIS DSA 9 Impacts: *Natural Resources Technical Report for the Gaston East-West Connector*,Earth Tech, Inc., February 2008 and the Turnpike Environmental Agency Coordination Meeting held April 8, 2008
Sources for Preferred Alternative Impacts: PBS&J

Wetland Number*	Corridor Segment	Wetland Size (acres)	Cowardin Classification	DWQ Rating	Wetland Quality Rating	Draft EIS DSA 9 Preliminary Design	Preferred Alternative Refined Design*	Preferred Alternative Service Roads
103	J4a	6.70	PFO1C	83	High			
106	J4a	0.47	PFO1C/B	39	Low	< 0.01		
107	J4a	0.44	PFO/SS1Fh	48	Medium	0.01	0.01	
108	J4a	0.04	PEM1C	16	Low	0.04	0.04	
109	J4a	0.03	PFO1/EM1C	28	Low	0.03	0.03	
142	J2d	1.52	NA	NA	NA			
147	J2d	0.02	PFO1	36	Medium			
148	J2d	0.20	PEM1	41	Medium			
149	J2d	0.17	PFO1	33	Low			
150	J2d	0.40	PFO1	39	Medium			
151	J2d	0.03	PFO1	35	Medium			
152	J2d	0.32	PFO1	39	Medium			
153	JX4	0.05	PFO1	37	Medium			
154	JX4	0.42	PFO1F	43	Medium			
155	JX4	0.13	PFO1	9	Low			
157	JX4	0.39	PFO1	30	Low			
158	JX4	0.01	PFO1	8	Low			
159	JX4	0.63	PEM1	25	Low			
160	JX4	0.05	PFO1	13	Low			
161	JX4	0.17	PFO1	33	Low	< 0.01	< 0.01	
162	JX4	0.10	PFO1	21	Low			
163	JX4	0.03	NA	NA	NA			
164	JX4	0.02	PFO1	4	Low	0.02	0.02	
165	JX4	0.35	PFO1	35	Medium			
166	JX4	0.05	PFO1	7	Low	0.05	0.05	
167	JX4	0.06	PFO1	19	Low			
168	JX4	0.17	NA	NA	NA			
169	JX4	0.21	PFO1	42	Medium			
176	JX4	0.004	PFO1	0	Low			
177	JX4	0.01	PFO1	13	Low			
178	JX4	0.01	PFO1	13	Low			
179	JX4	0.22	PFO1	55	Medium			
180	JX4	0.03	PFO1	21	Low			
181	JX4	0.004	PFO1	13	Low			
182	JX4	0.01	PFO1	2	Low			
183	JX4	0.05	PFO1	23	Low			
184	JX4	0.03	PFO1	8	Low			
187	JX4	0.56	PFO1A	53	Medium			
188	JX4	0.54	PFO1A	43	Medium	0.17	0.16	
189	J1e	5.51	PSS1	51	Medium	0.36	0.33	
190	J1e	0.09	PFO1	13	Low			
191	J1e	0.20	PFO1	13	Low			
192	J1e	0.99	PFO1	59	Medium			
214	J1e	0.15	PFO1	58	Medium			
214	J1e		PFO1	58	Medium			
215	J1e	0.02	PFO1	4	Low			
216	J1e	0.01	PFO1	4	Low			

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Wetland Number*	Corridor Segment	Wetland Size (acres)	Cowardin Classification	DWQ Rating	Wetland Quality Rating	Draft EIS DSA 9 Preliminary Design	Preferred Alternative Refined Design*	Preferred Alternative Service Roads
217	J1e	0.02	PFO1	8	Low	0.02	0.02	
218	J1e	0.05	PEM1	17	Low	0.05	0.05	
219	J1e	0.01	PEM1	15	Low	0.01	0.01	
220	J1e	0.03	PEM1	17	Low			
221	J1e	0.12	PFO1	18	Low			
222	J1e	0.02	PFO1	18	Low			
223	J1e	0.09	PEM1	17	Low			
224	J1e	0.02	PFO1	12	Low			
225	J1e	0.06	PFO1	18	Low			
226	J1f	0.06	PFO1	23	Low			
227	J1f	0.18	PFO1	23	Low			
228	J1f	0.12	PEM1	16	Low			
229	J1f	0.22	PEM1	16	Low			
230	J1f	0.06	PEM1	28	Low			
231	J1f	0.10	PEM1	23	Low			
232	J1f	1.20	PEM1	21	Low			
233	J1f	0.07	PSS1	0	Low			
234	J1f	0.03	PFO1	11	Low		0.03	
235	J1f	0.05	PEM1/PFO1	61	Medium	< 0.01		
235A	K1a	0.07	PFO1	17	Low			
236	K1a	0.01	PFO1	0	Low	0.01		
237	K1a	0.56	PFO1	37	Medium			
238	K1a	0.13	PFO1	35	Medium			
239	K1a	0.02	PEM1	18	Low			
239A	K1a	0.05	PEM1	28	Low			
240	K1a	0.09	PFO1	22	Low			
241	K1a	1.34	PFO1	39	Medium	0.89	0.83	
242	K1a	0.15	PSS1	13	Low			
243	K3a	0.10	PFO1	20	Low			
244	K3a	0.06	PFO1	25	Low			
245	K3a	0.59	PFO1Ah	77	High			
246	K3a	0.08	PFO1Ah	77	High	0.03	0.08	
247	K3a	1.26	PFO1Ah	77	High			
248	K3a	4.76	PFO1Ah	93	High	0.66[1]	0.66[1]	
249	K3a	0.18	PFO1Ah	61	Medium			
252	K3a	0.42	PEM1/PSS1/PFO1	9	Low		0.01	
252A	K3a	0.01	PFO1	7	Low			
253	K3a	0.35	PEM1	26	Low	0.35	0.35	
254	K3a	0.11	PEM1	15	Low	0.01		
255	K3a	0.01	PEM1	15	Low	0.01	0.01	
256	K3a	0.02	PEM1	15	Low			
278	K3b	0.18	Palustrine	23	Low			
283A	K3a	0.01	Palustrine	70	High			
284	K3a	0.47	Palustrine	70	High			
285	K3a	0.05	Palustrine	44	Medium	0.04		
286	K3a	0.33	Palustrine	68	High			
287	K3a	0.02	Palustrine	42	Medium			

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Wetland impacts calculated based on right-of-way limits plus a buffer of 25 feet from each slope stake line
Sources for Attributes and Draft EIS DSA 9 Impacts: *Natural Resources Technical Report for the Gaston East-West Connector*,Earth Tech, Inc., February 2008 and the Turnpike Environmental Agency Coordination Meeting held April 8, 2008
Sources for Preferred Alternative Impacts: PBS&J

Wetland Number*	Corridor Segment	Wetland Size (acres)	Cowardin Classification	DWQ Rating	Wetland Quality Rating	Draft EIS DSA 9 Preliminary Design	Preferred Alternative Refined Design*	Preferred Alternative Service Roads
288	K3a	0.004	Palustrine	46	Medium	< 0.01	< 0.01	
289	K3b	0.23	Palustrine	43	Medium	0.23	0.23	
290	K3b	0.05	Palustrine	64	Medium			
291	K3b	0.07	Palustrine	9	Low			
292	K3b	0.01	Palustrine	32	Low			
293	K3b	0.02	Palustrine	23	Low			
293A	K3b	0.00	Palustrine	23	Low			
294	K3b	0.18	Palustrine	38	Medium			
295	K3b	0.01	Palustrine	22	Low			
296	K3c	0.01	Palustrine	NA	NA			
297	K3c	0.30	Palustrine	58	Medium			
317	K3c	4.78	Palustrine	62	Medium	0.37	0.37	
317A	K3c	0.03	Palustrine	31	Low			
318	K3c	0.09	Palustrine	24	Low			
319	K3c	0.30	Palustrine	23	Low			
320	K3c	0.01	Palustrine	23	Low	0.01		
321	K3c	0.02	Palustrine	14	Low	0.02	0.02	
323	K3c	0.02	Palustrine	17	Low	0.02	0.02	
324	K3c	0.02	Palustrine	22	Low	0.02	0.02	
325	K3c	0.03	Palustrine	15	Low	0.03	0.02	
326	K3c	0.08	Palustrine	41	Medium			
327	K3c	0.12	Palustrine	60	Medium			
328	K3c	0.03	Palustrine	53	Medium			
329	K3c	0.56	Palustrine	43	Medium	0.42		
329A	K3c	0.00	Palustrine	27	Low			
330	K3c	0.05	Palustrine	19	Low			
331	K3c	0.05	Palustrine	17	Low			
331A	K3c	0.01	Palustrine	38	Medium			
332	K3c	0.10	Palustrine	38	Medium		0.10	
333	K3c	0.05	Palustrine	17	Low	0.02	0.02	
333A	K3c	0.01	Palustrine	16	Low	0.01		
334	K3c	0.14	Palustrine	42	Medium	0.02	0.03	
335	K3c	0.43	Palustrine	33	Medium			
336	K3c	0.07	Palustrine	11	Low			
337	K3c	0.23	Palustrine	68	High			
337A	K3c	0.03	Palustrine	27	Low			
337B	K3c	0.02	Palustrine	35	Medium			
338	H3	0.35	PEM1	16	Low			
340	H3	0.02	PFO1B	36	High			
TOTAL						**7.5**	**6.9**	**0.1**

* Wetland numbers not consecutive because only those within the Preferred Alternative Corridor are listed.

1. Without extending the Catawba Creek bridge, the impact to Wetland 248 would be 1.50 acres

APPENDIX I - TABLE 3
STREAM IMPACTS FOR PREFERRED ALTERNATIVE REFINED PRELIMINARY DESIGN
STIP Project U-3321 - Gaston East-West Connector Final EIS

Streams bridged for hydraulic conveyance or as a result of Concurrence Point 2a are noted
Stream impacts calculated based on right-of-way limits plus a buffer of 25 feet from each slope stake line
Sources for Stream Attributes and DEIS DSA 9 Impacts: *Natural Resources Technical Report for the Gaston East-West Connector,* Earth Tech, Inc., February 2008
and the Turnpike Environmental Agency Coordination Meeting held April 8, 2008
Source for Preferred Alternative Impacts: PBS&J

Stream ID*	Corridor Segment	Stream Name	Hydrologic Unit	Intermittent / Perennial	Bank Height (ft)	Average Width (ft)	Depth (in)	Substrate	Water Quality Classification	USACE Score	NCDWQ Score	Draft EIS DSA 9 Preliminary Design	Preferred Alternative Refined Design*	Preferred Alternative Service Roads
14	West of US 321	Crowders Creek	3050101	Perennial	10 - 15	40 - 55	12	Sand, cobble, bedrock	C	70	34.5 - 52.5	Bridged[1]	Bridged[1]	
22	H2a	UT to Oates Branch	3050101	Perennial	10	4-8	2-3	Sand, gravel, cobble	C	59	38			
22A	H2a	UT to Oates Branch	3050101	Perennial	3	4	2	Gravel	C	NA	NA			
24	H2a	Oates Branch	3050101	Perennial	4	8	6	Cobble	C	62	44	116	116	
25	H2a	Bessemer Branch[2]	3050101	Perennial	2 - 4	5 - 14	2 - 6	Silt, sand, cobble, bedrock	C	48	47	141	141	
26	H2a	UT to Bessemer Branch	3050101	Intermittent	5 - 15	4	1 - 3	Sand, gravel, cobble	C	37	27.5			
27	H2a	UT to Bessemer Branch	3050101	Perennial	5	8	2	Gravel, cobble	C	68	43.5	506	506	
28	H2a	UT to Bessemer Branch	3050101	Intermittent	<1	3	NA	Sand, gravel	C	62	21.25			33
28	H2a	UT to Bessemer Branch	3050101	Perennial	<1 - 2	4 - 8	4	Silt	C	62	48	2231	2231	
29	H2a	UT to Bessemer Branch	3050101	Intermittent	<1	2 - 4	6	Silt	C	64	25.5			
30	H2a	UT to Bessemer Branch	3050101	Intermittent	1 - 4	3	2	Silt	C	56	24.5			
31	H2a	UT to Bessemer Branch	3050101	Intermittent	5	3	1	Sand, silt	C	34	22	183	183	
32	H2a	UT to Bessemer Branch	3050101	Perennial	2	4	2	Gravel, sand	C	65	32	813	813	
33	H2a	UT to Bessemer Branch	3050101	Intermittent	15	8	<1	Sand	C	48	19.5	97	97	
34	H2a	UT to Bessemer Branch	3050101	Perennial	3	4 - 6	6	Silt, sand	C	66	37.5			
35	H2a	UT to Bessemer Branch	3050101	Intermittent	2	3	1	Sand	C	66	NA			
35	H2a	UT to Bessemer Branch	3050101	Perennial	2	3	1	Sand	C	66	38.5			
36	H2a	UT to Crowders Creek	3050101	Perennial	2	8	2	Sand, gravel	C	55	37	1092	1092	
37	H2a	UT to Crowders Creek	3050101	Perennial	4	6	<1	Sand, gravel	C	35	30			
38	H2a	UT to Crowders Creek	3050101	Perennial	1	4	<1	Sand	C	44	34.5			
39	H2a	UT to Crowders Creek	3050101	Perennial	2	4	4	Sand	C	59	41			
40	H2a	UT to Crowders Creek	3050101	Perennial	10	4	1	Gravel, cobble	C	48	29.5[4]			
41	H2a	UT to Long Creek	3050102	Intermittent	15	4	2	Silt	C	53	NA			
41	H2a	UT to Long Creek	3050102	Perennial	15	4	2	Silt	C	53	31.5			
42	H2a	UT to Long Creek	3050102	Perennial	5 - 20	8 - 12	2	Sand, cobble	C	50	36.5			
43	H2a	UT to Kaglor Branch	3050102	Perennial	4 - 15	12	4	Sand, boulders	C	49	33.5			
44	H2a	UT to Kaglor Branch	3050102	Perennial	5 - 15	8 - 12	6	Sand, gravel, cobble	C	51	36	1461	1203	
45	H2a	UT to Kaglor Branch	3050102	Perennial	3	3	3	Cobble, gravel	C	42	26[4]			
46	H2a	UT to Crowders Creek	3050101	Perennial	1	4 - 8	3	Silt, sand	C	61	32.5	923	698	125
46A	H2a	UT to Crowders Creek	3050101	Intermittent	2	3	1	Silt	C	28	20.5	28	28	
47	H2a	UT to Crowders Creek	3050101	Intermittent	5	4	<1	Gravel	C	43	28	116	116	
48	H2a	UT to Crowders Creek	3050101	Intermittent	<1	4	1	Silt	C	54	23.5			
49	H3	UT to Crowders Creek	3050101	Perennial	1	6	3	Silt	C	42	16[4]			
50	H3	UT to Crowders Creek	3050101	Intermittent	1	6	4	Impacted by junkyard and no longer considered jurisdictional based on 4/13/10 verification site visit						
51	H3	UT to Crowders Creek	3050101	Perennial	2	5	1	Sand	C	51	24[4]			
52	H2a/H3	UT to Crowders Creek	3050101	Perennial	8	16	3	Gravel	C	55	48.5	726	663	83
53	H3	UT to Crowders Creek	3050101	Perennial	4	6	2	Gravel	C	52	30			
54	H3	UT to Crowders Creek	3050101	Perennial	3	6	4	Sand, gravel	C	70	37	188	177	
55	H3	UT to Crowders Creek	3050101	Perennial	1 - 2	3	1	Silt	C	NA	26[4]			
56	Just outside H3	UT to Crowders Creek	3050101	Intermittent	2	5	4	Sand	C	66	NA			
56	Just outside H3	UT to Crowders Creek	3050101	Perennial	2	5	4	Sand	C	66	37			
57	H3	UT to Crowders Creek	3050101	Perennial	1 - 6	4 - 8	1	Gravel, sand	C	64	38.3	453	430	
58	H3	UT to Crowders Creek	3050101	Perennial	3	3	1	Sand	C	34	26.5[4]			
69	H3	UT to Crowders Creek	3050101	Perennial	2 - 7	4 - 8	2 - 4	Bedrock, gravel	C	59	41	244	197	
85	H3	UT to Crowders Creek	3050101	Perennial	4	4 - 8	3	Gravel, cobble	C	51	43.5	742	715	
86	H3	UT to Crowders Creek	3050101	Intermittent	2	1 - 6	6	Silt	C	40	25			
87	H3	UT to Crowders Creek	3050101	Perennial	3	2	3	Sand	C	36	23[4]			
88	H3	UT to Crowders Creek	3050101	Intermittent	8	4 - 5	1	Silt	C	46	25.5			
89	H3	UT to Crowders Creek	3050101	Perennial	1 - 15	1 - 5	4	Sand, gravel, bedrock	C	56	31.5	1010	934	
89	H3	UT to Crowders Creek	3050101	Intermittent	<1	3	1	Sand, gravel	C	56	23.25			
90	H3	UT to Crowders Creek	3050101	Perennial	3	1 - 4	1	gravel	C	59	27.5[4]			
91	H3	UT to Crowders Creek	3050101	Perennial	4	3 - 4	1	Silt	C	36	19.5[4]			
92	H3	UT to Crowders Creek	3050101	Perennial	3	8	3	Gravel, silt	C	46	44.5	827	736	
92A	H3	UT to Crowders Creek	3050101	Intermittent	5	8 - 14	3	Silt	C	43	22.5	133	133	
129	J4a	UT to Crowders Creek	3050101	Perennial	<1	6	4	Sand	C	47	23[4]			
130	J4a	UT to Crowders Creek	3050101	Perennial	8 - 10	4 - 6	1	Sand	C	42	29.5[4]	207	197	
131	J4a	UT to Crowders Creek	3050101	Perennial	3 - 5	2	1	Gravel	C	46	26	2054	1960	
132	J4a	UT to Crowders Creek	3050101	Intermittent	2 - 4	4 - 12	6	Bedrock, boulder, sand	C	63	44	25	4	
133	J4a	UT to Crowders Creek	3050101	Perennial	<1 - 2	2 - 4	2	Sand, gravel	C	64	39			
134	H3	UT to Blackwood Creek	3050101	Perennial	4	4 - 8	6	Silt	C	44	26[4]	296	282	
135	H3	Blackwood Creek	3050101	Perennial	8	24 - 32	6	Sand, gravel	C	47	40	Bridged[3]	Bridged[3]	
142	J4b	UT to Crowders Creek	3050101	Intermittent	<1	2	4-5	fine/course sand	C	51	25, 26			
142	J4b	UT to Crowders Creek	3050101	Perennial	2-5	5	5	sand, gravel, cobble, rock	C	74	46			
143	J4b	UT to Crowders Creek	3050101	Intermittent	2	2-3	2	fine/course sand	C	50	25			

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Stream ID*	Corridor Segment	Stream Name	Hydrologic Unit	Intermittent / Perennial	Bank Height (ft)	Average Width (ft)	Depth (in)	Substrate	Water Quality Classification	USACE Score	NCDWQ Score	Draft EIS DSA 9 Preliminary Design	Preferred Alternative Refined Design*	Preferred Alternative Service Roads
144	J4b	UT to Crowders Creek	3050101	Perennial	2-6	2-3	1	sand, gravel	C	46	31.25			
145	J4b	UT to Crowders Creek	3050101	Intermittent	3- 7	4 - 5	0 - 1	sand, gravel	C	29	21, 28	820	805	
146	J4b	UT to Crowders Creek	3050101	Perennial	7	12	8-10	sand, gravel, cobble, rock	C	75	53	Bridged[1]	Bridged[1]	
147	J2c	UT to Crowders Creek	3050101	Perennial	4-6	10	8	Sand, gravel, bedrock	C	73	46	382	358	
148	J2c	UT to Crowders Creek	3050101	Perennial	<1	2-3	4	fine/course sand	C	72	39.25	71		
156	J2c	UT to Crowders Creek	3050101	Perennial	3 - 8	10 - 12	12	sand, gravel, cobble, boulder	C	77	50.25	603	571	
157	J2c	UT to Crowders Creek	3050101	Perennial	2-4	3-4	4	sand, gravel, cobble, rock	C	79	45	1033	938	
158	J2c	UT to Crowders Creek	3050101	Intermittent	5-8	3	0	fine/course sand	C	34	11.5	178	168	
159	J2c	UT to Crowders Creek	3050101	Intermittent	1-2.5	4	0	fine/course sand	C	NA	20.75			
161	J2c/J2d	UT to Crowders Creek	3050101	Intermittent	1-2	2	1	sand, gravel	C	40	19			
161	J2c	UT to Crowders Creek	3050101	Perennial	3-7	4-8	4	sand, gravel, cobble, rock	C	40	48.75	70		
174	J2d	UT to Crowders Creek	3050101	Perennial	1-2	2	2	sand, gravel	C	55	34.5	908	908	
175	J2d	UT to Crowders Creek	3050101	Perennial	5	3	3	sand, gravel, rock	C	51	35.5			
176	J2d	UT to Crowders Creek	3050101	Intermittent	5	2	1	sand, gravel	C	51	22.5			
177	J2d	UT to Crowders Creek	3050101	Perennial	2-6	4-8	7	sand, gravel, rock, boulder	C	74	51	956	786	
178	J2d	UT to Crowders Creek	3050101	Perennial	4-7	6 - 15	6 - 12	sand, gravel, rock, boulder	C	66, 74	44.5, 50	391	365	
179	J2d	UT to Crowders Creek	3050101	Intermittent	3-4	3	1	fine/course sand	C	44	24.5			
180	J2d	UT to Crowders Creek	3050101	Intermittent	2-3	2	1	fine sand/clay	C	47	24.5			
181	J2d	UT to Crowders Creek	3050101	Perennial	4-7	12	10	sand, gravel, rock, boulder	C	72	55	567	340	
182	J2d	UT to Crowders Creek	3050101	Intermittent	1.5	2	0	fine sand/clay	C	45	17.5	183		
182	J2d	UT to Crowders Creek	3050101	Perennial	1.5	3.5	1	sand, gravel, cobble	C	55	30.5	1866	891	
183	J2d	UT to Crowders Creek	3050101	Perennial	3-7	4	5	sand, gravel, cobble, rock	C	74	48.5	1474	707	
184	J2d	UT to Crowders Creek	3050101	Perennial	NA	NA	NA	NA	C	NA	NA	121	35	
196	J2d	UT to Crowders Creek	3050101	Perennial	4-6	12	12	sand, gravel, rock, boulder	C	72	51	1175	515	
197	J2d	UT to Crowders Creek	3050101	Perennial	0.5-2	3	4	sand, gravel	C	65	40.5			
198	J2d/JX4	UT to Crowders Creek	3050101	Perennial	0.5-3	2-3	4	sand, gravel	C	62	45	159		
199	J2d	UT to Crowders Creek	3050101	Intermittent	0.5-2	2	2	sand, gravel	C	58	28.5	311		
200	J2d/JX4	UT to Crowders Creek	3050101	Intermittent	<1-2	2	1	fine/course sand	C	49	24.5	562	562	
201	J2d	UT to Crowders Creek	3050101	Intermittent	1	2	0	fine sand, rock	C	40	15	152		
202	J2d	UT to Crowders Creek	3050101	Perennial	3-4	2.5-3	5	sand, gravel	C	45	33	487	251	
203	J2d	UT to Crowders Creek	3050101	Perennial	3-4	3	3	sand, gravel, cobble	C	51	38			
210	JX4	UT to Mill Creek	3050101	Perennial	0.5-3.5	2 - 7	5 - 6	sand, gravel, cobble, boulder	C	63, 66	38.5, 44.5	288	265	
211	JX4	UT to Mill Creek	3050101	Perennial	3.5-5	3	3	fine/course sand, gravel	C	42, 66	30, 37, 39.5			
212	JX4	UT to Mill Creek	3050101	Perennial	1.5-2	2-3	3	fine/course sand, gravel	C	47	35			
213	JX4	Mill Creek	3050101	Perennial	1 - 4	2 - 10	2 - 8	sand, gravel, rock, boulder	C	63, 69	34.5, 39.5	530	509	
215	JX4	UT to Mill Creek	3050101	Perennial	1-2	2-3	3	fine/course sand	C	69	42.5			
216	JX4	UT to Mill Creek	3050101	Perennial	1	3	3	sand, gravel	C	72	39.5			
217	JX4	UT to Mill Creek	3050101	Intermittent	1-2	2	2	fine/course sand	C	50	27			
218	JX4	UT to Mill Creek	3050101	Perennial	1	3	4	sand, gravel	C	65	31.5	138	128	
219	JX4	UT to Mill Creek	3050101	Perennial	< 1	2-2.5	4	sand, gravel	C	53	34.25	43	33	
220	JX4	UT to Mill Creek	3050101	Perennial	1-4	4-6	4 - 5	sand, gravel, cobble, bedrock	C	64, 70	42, 43.5	474	439	
221	JX4	UT to Mill Creek	3050101	Perennial	< 1	3.5	3	sand, gravel	C	70	35			
222	JX4	UT to Mill Creek	3050101	Intermittent	< 1	2	2	fine sand/clay	C	76	28.5	413	392	
222	JX4	UT to Mill Creek	3050101	Perennial	< 1	3.5	4	sand, gravel, cobble	C	66	41.25			
223	J1e	UT to Mill Creek	3050101	Perennial	1-1.5	3.5-4.5	7	fine/course sand	C	61	34.25			
224	J1e	UT to Mill Creek	3050101	Perennial	2	2	2	fine/course sand	C	51	33			
225	J1e	UT to Mill Creek	3050101	Perennial	< 1-2	1-3	2	fine/course sand	C	63	34.25			
235	J1f	UT to Catawba Creek	3050101	Perennial	2-5	3-6	4	fine/course sand	C	50	36			146
237	J1f	UT to Catawba Creek	3050101	Perennial	2 - 6	2 - 20	3 - 8	sand, gravel, cobble, bedrock	C	67-75	45.5 - 55	1257	1114	
238	J1e	UT to Mill Creek	3050101	Intermittent	1	1	2	fine sand/clay	C	44	19.5	38	38	
238	J1e	UT to Mill Creek	3050101	Perennial	1-3	2-3	4 - 6	sand, gravel, cobble	C	55, 63	34.5, 35.75	75	70	
239	J1e	UT to Mill Creek	3050101	Intermittent	< 1	1	2	sand, gravel	C	49	20.5	249	249	
240	J1e	UT to Mill Creek	3050101	Intermittent	1	2-3	2	fine sand/clay	C	36	29.5			
241	J1f	UT to Mill Creek	3050101	Intermittent	< 1	2.5	3	sand, gravel	C	39	22.5			
242	J1f	UT to Catawba Creek	3050101	Perennial	1-4	3-5	3 - 4	silt, sand, gravel, rock	C	51, 62	34, 47	2178		
243	J1f	UT to Catawba Creek	3050101	Perennial	< 1	1 - 2	2 - 3	sand, gravel, rock	C	64	34.5			
243	J1f	UT to Catawba Creek	3050101	Intermittent	< 1	1-3	3	sand, gravel, cobble	C	53, 62	25.5, 26		512	
244	J1f	UT to Catawba Creek	3050101	Perennial	< 1	2-3	3	sand, gravel	C	59	33		339	
245	J1f	UT to Catawba Creek	3050101	Intermittent	<1-5	3-4	1	sand, gravel, cobble	C	51	19.5			
246	J1f	UT to Catawba Creek	3050101	Intermittent	1-2	2-3	1	sand, gravel	C	58	29.5	114		

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247	J1f	UT to Catawba Creek	3050101	Intermittent	< 1	< 1.5	2	fine sand/clay	C	54	27.25			
247	J1f	UT to Catawba Creek	3050101	Perennial	1-4	4-12	4	sand, gravel, cobble, bedrock	C	63	44	437		
259	K3a	Catawba Creek	3050101	Perennial	3-6	25 - 50	14 - 15	sand, gravel, cobble	C	71, 86	51, 57.5	Bridged[1]	Bridged[1]	
265	K3a	UT to Catawba Creek	3050101	Perennial	1-2.5	3-4	2	sand, gravel, rock	C	59	34.5			
266	K3a	UT to Catawba Creek	3050101	Perennial	1-2	3-4	5	sand, gravel, rock	C	69	47			
267	K3a	UT to Catawba Creek	3050101	Intermittent	2-3	3-4	2	sediment, sand, gravel	C	27	23.5	120	39	
268	K3a	UT to Catawba Creek	3050101	Perennial	2 - 4	2 - 10	2 - 5	sand, gravel, cobble, rock	C	46, 80	35.25, 52			
270	K1a	UT to Catawba Creek	3050101	Perennial	4-8	6-9	8	sand, gravel, cobble, rock	C	62	50	610	578	
271	K1a	UT to Catawba Creek	3050101	Perennial	4-8	3-6	4	sand, gravel, cobble, rock	C	64	46.5	133	1105	
272	K1a	UT to Catawba Creek	3050101	Perennial	<1-2	2-5	1	sand, gravel, cobble	C	65	35.75			
273	K1a	UT to Catawba Creek	3050101	Perennial	1	2	2	sand, gravel, cobble	C	66	35.5			
274	K1a	UT to Catawba Creek	3050101	Perennial	<1-3	1.5-3.5	4	sand, gravel, cobble	C	74	38.5	363	351	
275	K1a	UT to Catawba Creek	3050101	Perennial	< 1	1.5-3	2	fine/course sand	C	71	35	302	302	
276	K1a	UT to Catawba Creek	3050101	Perennial	2-3	3-7	4	sand, gravel, cobble	C	62	42			
277	K1a	UT to Catawba Creek	3050101	Perennial	1-2	2	3	sand, gravel	C	49	40.75			
278	K1a	UT to Catawba Creek	3050101	Intermittent	1	2.5	2	sand, gravel	C	58	22.5			
279	K3a	UT to Catawba Creek	3050101	Intermittent	1	1-2	3	fine/course sand	C	57	28.5			
280	K3a	UT to Catawba Creek	3050101	Intermittent	1	1.5	1	sand, gravel	C	59.5	22.5	843	843	
281	K3a	UT to Catawba Creek	3050101	Perennial	1-2	2	3	sand, gravel, rock	C	59	30			
286	K3a	UT to S. F. Catawba River	3050102	Intermittent	<1	1-2	1	Silt, sand, gravel	WS-V	54	21, 27.5			
286	K3a	UT to S. F. Catawba River	3050102	Perennial	1-4	2-7	4-6	Silt, sand, gravel, cobble	WS-V	62	31			
286A	K3a	UT to S. F. Catawba River	3050102	Intermittent	1	1-2	1	Silt, sand	WS-V	NA	NA			
287	K3a	UT to S. F. Catawba River	3050102	Intermittent	1	2-3	4	Silt, sand	WS-V	36	23			
287	K3a	UT to S. F. Catawba River	3050102	Perennial	>6	4-6	4	Sand, gravel	WS-V	36	NA			
293A	K3a	UT to S. F. Catawba River	3050102	Intermittent	1	1-2	1	Silt, sand	WS-V	54	22.75			
293A	K3a	UT to S. F. Catawba River	3050102	Perennial	<1	2-3	3-4	Silt, Sand, gravel	WS-V	54	NA			
295	K3a	UT to S. F. Catawba River	3050102	Perennial	2-4	3-5	1-4	Silt, sand, gravel, cobble	WS-V	68	32, 32.25			
296	K3a	UT to S. F. Catawba River	3050102	Perennial	4	6	2-4	Silt, Sand, gravel	WS-V	65.5	34	578	557	
297	K3a	UT to S. F. Catawba River	3050102	Perennial	1-4	3-6	1-4	Silt to cobble, boulder	WS-V	83	31.5	917	652	
298	K3a	UT to S. F. Catawba River	3050102	Intermittent	1-2	3	1	Silt, sand gravel	WS-V	45	19			
298	K3a	UT to S. F. Catawba River	3050102	Perennial	1-2	3	1	Silt, sand gravel	WS-V	45	19[4]			
299	K3a	UT to S. F. Catawba River	3050102	Intermittent	1-2	3	1-2	Silt, Sand, gravel	WS-V	67	26.5			
299	K3a	UT to S. F. Catawba River	3050102	Perennial	2-3	3-4	1-4	Silt, Sand, gravel	WS-V	67	26.5[4]			
300	K3a	UT to S. F. Catawba River	3050102	Intermittent	3	3	1-3	Silt, sand, gravel, cobble	WS-V	79	23.5	1399	1405	
300	K3a	UT to S. F. Catawba River	3050102	Perennial	3	3-5	1-3	Silt, sand, gravel, cobble	WS-V	79	33	193	230	
300A	K3a	UT to S. F. Catawba River	3050102	Intermittent	6	3	1-3	Silt, Sand, gravel	WS-V	42	21			
301	K3a	UT to S. F. Catawba River	3050102	Intermittent	4	3-6	1-2	Silt, Sand, gravel	WS-V	79	23			
301	K3a	UT to S. F. Catawba River	3050102	Perennial	3-4	4-7	1-6	Silt, sand, gravel, cobble	WS-V	79	28.5[4]			
301A	K3a	UT to S. F. Catawba River	3050102	Intermittent	5	3	1-3	Sand, gravel	WS-V	51	19.5			
301B	K3a	UT to S. F. Catawba River	3050102	Intermittent	5	3	1-3	Silt, Sand, gravel	WS-V	51	19.5			
302	K3b	UT to Catawba River	3050101	Intermittent	2-4	3	1-2	Silt, sand	WS-V, B	65	19.5			
303	K3b	UT to Catawba River	3050101	Intermittent	1	2	1	Sand, gravel	WS-V, B	42	23			
303	K3b	UT to Catawba River	3050101	Perennial	2-3	2-4	1-3	Silt, sand, gravel, cobble	WS-V, B	42	31			
304	K3b	UT to Catawba River	3050101	Intermittent	1	3	1-2	Silt, sand	WS-V, B	85	22	260	260	
304	K3b	UT to Catawba River	3050101	Perennial	3	3-5	1-4	Silt, sand, gravel, cobble	WS-V, B	85	31	484	568	
305	K3b	UT to Catawba River	3050101	Perennial	3-4	4-6	3-10	Silt, sand, gravel, cobble	WS-V, B	82	31.5	135		
310	K3c	UT to Catawba River	3050101	Intermittent	1-2	1-3	1-2	Silt, sand, gravel	WS-V, B	NA	NA			
311	K3c	UT to Catawba River	3050101	Intermittent	1	1-2	1	Silt, sand, gravel	WS-V, B	46	19			
311	K3c	UT to Catawba River	3050101	Perennial	1 - 4	3 - 10	2 - 12	Sand, gravel, cobble, boulder	WS-V, B	57, 77	35, 39			
311A	K3c	UT to Catawba River	3050101	Intermittent	<1	1-2	1-2	Silt, sand	WS-V, B	49	23.5			
312	K3c	UT to Catawba River	3050101	Intermittent	1	2-3	1	Silt, sand	WS-V, B	53	23.5	52	26	
312A	K3c	Beaverdam Creek	3050101	Perennial	3-5	8-10	2-12	Silt to cobble, boulder	C	66	50	973	742	
312B	K3c	UT to Catawba River	3050101	Intermittent	1	2	2	Silt, sand	WS-V, B	47	19			
S313	K3c	UT to Catawba River	3050101	Intermittent	4	2-8	2	Silt, Sand, gravel	WS-V, B	63	22			
313A	K3c	UT to Beaverdam Creek	3050101	Intermittent	1-3	3-5	2	Silt, Sand, gravel	C	42	19			
314A	K3c	UT to Beaverdam Creek	3050101	Intermittent	1-3	4-5	1-3	Silt, sand, gravel, cobble	C	50	21.75	226		
314A	K3c	UT to Beaverdam Creek	3050101	Perennial	1-2	2-4	1-2	Silt, sand, gravel, cobble	C	63	33	969		
S315	K3c	UT to Catawba River	3050101	Intermittent	1	1-2	1-3	Silt, sand, gravel	WS-V, B	50	27			
315A	K3c	UT to Beaverdam Creek	3050101	Intermittent	1-2	2-4	1-2	Silt, sand, gravel, cobble	C	NA	NA	176		
316A	K3c	UT to Beaverdam Creek	3050101	Intermittent	1-2	3	1-2	Silt, sand, gravel	C	53	23.5			
317	K3c	UT to Beaverdam Creek	3050101	Intermittent	1	2-3	1-2	Silt, sand, gravel	C	50	22.5			
318	K3c	UT to Beaverdam Creek	3050101	Intermittent	1-3	2-5	1-3	Silt to cobble, boulder	C	47	25	464	466	
318	K3c	UT to Beaverdam Creek	3050101	Perennial	NA	NA	NA	NA	C	47	25[4]			

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318A	K3c	UT to Beaverdam Creek	3050101	Perennial	2-4	3-5	2-6	Silt, Sand, gravel	C	68	25.75[4]			
318A	K3c	UT to Beaverdam Creek	3050101	Intermittent	1-3	1-2	1	Silt, Sand, gravel	C	68	21.5	131	131	
318B	K3c	UT to Beaverdam Creek	3050101	Intermittent	1-3	3-5	3	Silt, Sand, gravel	C	41	21.5		90	
318C	K3c	UT to Beaverdam Creek	3050101	Intermittent	2-4	2	3	Silt, sand	C	54	25			
318D	K3c	UT to Beaverdam Creek	3050101	Perennial	1-2	1-2	2	Silt, sand, gravel	C	56	19[4]			
319	K3c	UT to Beaverdam Creek	3050101	Intermittent	1	3	2-5	Silt, sand	C	53	19			
321	K3c	Legion Lake Stream	3050101	Intermittent	1-3	3-6	1-6	Silt, Sand, gravel	C	83	24			
321	K3c	Legion Lake Stream	3050101	Perennial	2-4	5-8	1-12	Silt to cobble, boulder	C	83	33	1610	830	
323	K3c	UT to Beaverdam Creek	3050101	Perennial	1	1-2	1	Silt, sand	C	66	19.5[4]	99	25	
323A	K3c	UT to Beaverdam Creek	3050101	Intermittent	1-2	5	2	Silt, sand, gravel, cobble	C	42	25.5			
324	K3c	UT to Beaverdam Creek	3050101	Intermittent	1	1-2	1-3	Silt, sand	C	48	23			
325	K3c	UT to Beaverdam Creek	3050101	Intermittent	1-2	1-4	1-5	Silt, sand, gravel, cobble	C	48	21.25			
326	K3c	UT to Beaverdam Creek	3050101	Intermittent	1-2	1-2	1-4	Silt, sand, gravel	C	41	21.25	239	336	
326	K3c	UT to Beaverdam Creek	3050101	Perennial	4	3	2-4	Silt, sand, gravel, cobble	C	52	30.5			
328	K3c	UT to Legion Lake Stream	3050101	Intermittent	3-4	4	1-4	Silt, sand, gravel, cobble	C	69	23.5			
328	K3c	UT to Legion Lake Stream	3050101	Perennial	NA	NA	NA	NA	C	69	NA			
329	K3c	UT to Legion Lake Stream	3050101	Intermittent	3-4	3-5	1-3	Silt to cobble, boulder	C	67	24			
330	K3c	UT to Legion Lake Stream	3050101	Intermittent	3-4	3-5	1-3	Silt to cobble, boulder	C	77	26			
330	K3c	UT to Legion Lake Stream	3050101	Perennial	3-4	3-5	1-3	Silt, sand, gravel	C	77	26[4]	74	9	
330A	K3c	UT to Legion Lake Stream	3050101	Intermittent	3-4	2	1-2	Silt, sand, gravel	C	60	20.5			
331	K3c	UT to Legion Lake Stream	3050101	Intermittent	1-3	2-3	1-2	Silt, sand, gravel	C	76.5	27			
331	K3c	UT to Legion Lake Stream	3050101	Perennial	3-6	2-6	1-4	Silt, sand, gravel, cobble	C	76.5	34			
332	K3c	UT to Legion Lake Stream	3050101	Perennial	2-4	2-3	1-3	Silt, sand, gravel	C	82	41	317	58	
333	K3c	UT to Legion Lake Stream	3050101	Intermittent	1-2	1-2	1-2	Silt, sand, gravel	C	74	24.5			
334	K3c	UT to Legion Lake Stream	3050101	Intermittent	2-4	3-5	2-5	Sand, gravel, boulder, bedrock	C	68	21			
335	K3c	UT to Legion Lake Stream	3050101	Perennial	2-3	2-3	2-4	Silt, sand gravel	C	63	34	180	19	
336	K3c	UT to Legion Lake Stream	3050101	Intermittent	1-2	1-3	1-3	Silt, sand, gravel	C	43	20.5			
337	K3c	UT to Legion Lake Stream	3050101	Intermittent	1-4	2-4	1-4	Silt, sand, gravel	C	56	26			
337	K3c	UT to Legion Lake Stream	3050101	Perennial	2-3	3	1-2	Silt, sand, gravel	C	57	23.5[4]			
337A	K3c	UT to Legion Lake Stream	3050101	Intermittent	1-4	2-4	1-4	Silt, sand, gravel	C	74	23.5			
338	K3c	UT to Legion Lake Stream	3050101	Intermittent	1	2	1-2	Silt, sand	C	44	24.5			
338A	K3c	UT to Legion Lake Stream	3050101	Intermittent	1	2	1-2	Silt, sand	C	44	19		34	
338B	K3c	UT to Legion Lake Stream	3050101	Intermittent	1-2	2-3	4	Silt, sand, gravel	C	57.5	20.5	68		
339	K3c	UT to Legion Lake Stream	3050101	Intermittent	1	2	1-2	Silt, sand	C	50	23.5	735	238	
339A	K3c	UT to Legion Lake Stream	3050101	Intermittent	2-4	3-5	2-6	Silt, sand, gravel, cobble	C	53	19	63		
340	K3c	UT to Legion Lake Stream	3050101	Intermittent	2-4	4-6	2-6	Silt, sand, gravel, cobble	C	82	28.5	1082	13	
340	K3c	UT to Legion Lake Stream	3050101	Perennial	1-2	3	1-3	Silt, Sand, gravel	C	82	34	1244		
340A	K3c	UT to Legion Lake Stream	3050101	Intermittent	1-2	2	2	Silt, sand, gravel, cobble	C	70	25	359	182	
341	K3c	UT to Legion Lake Stream	3050101	Intermittent	1-2	2	1-3	Silt, sand, gravel	C	59	21	282		
342	K3c	UT to Legion Lake Stream	3050101	Intermittent	1-2	2	1-2	Silt, sand, gravel	C	53	19.5			
343	K3c	UT to Coffey Creek	3050103	Intermittent	Stream outside study corridor added from USGS mapping				C	73	20.5			
346	J2c	UT to Crowders Creek	3050101	Intermittent	1	2-3	1-2	Silt, sand	C	39	20.5			
347	K3c	UT to Beaverdam Creek	3050101	Perennial	3-4	5	2-3	Silt, sand	C	48	26[4]			

Total Stream Impacts												**48995**	**36029**	**387**
Perennial Stream Impacts												**38894**	**28679**	**354**
Intermittent Stream Impacts												**10101**	**7350**	**33**

* Stream numbers not consecutive because only those streams within the Preferred Alternative Corridor are listed.

1. Bridge required for hydraulic conveyance.

2. Bessemer Branch - The service road proposed under DSAs 4, 5, 9, 22, 23, and 27 was bridged by request of resource agencies at the Turnpike Environmental Agency Coordination Meeting held April 8, 2008. Preferred Alternative Refined Design changed access

3. Bridged by request of resource agencies at the Turnpike Environmental Agency Coordination Meeting held April 8, 2008.

4. Stream classification elevated to perennial (due to biology) per NCDWQ