3.2.7 Accotink Creek Group Summary

3.2.7.1 Accotink Creek Watershed

Description. Accotink Creek Watershed is one of the largest watersheds in Fairfax County, with just over 91 miles of stream assessed. It is a long narrow watershed located in the center of the County. The watershed is contained entirely within the county boundaries, and drains to Accotink Bay, and then into Gunston Cove and the Potomac River.

Habitat. The habitat assessment results for Accotink Creek Watershed are summarized by stream in Table 3-35. Habitat scores for each reach are depicted in Figure 3-45. Based on a length weighted habitat score of 100 (Table 3-2), Accotink Creek Watershed is in the lower middle range of quality, compared to the rest of the County. Just over 3 miles of stream were categorized as having "very poor" habitat conditions, 26 miles as "poor," 33 miles as "fair," 25 miles as "good," and 4 miles as "excellent."

CEM. Based on the CEM evaluations 91 percent of the channels assessed in Accotink Creek Watershed are in Evolutionary Stage 3 (Table 3-3). Figure 3-46 summarizes the CEM results for Accotink Creek Watershed.

Infrastructure. The infrastructure inventory resulted in 1211 inventory points. The most significant problems were related to 15 deficient buffers, 4 head cuts, 2 exposed utility lines, and 1 pipe that were each given an impact score of 10. The infrastructure inventory results are summarized in Table 3-36. Figures 3-47, 3-48, 3-49, 3-50, and 3-51 summarize impact scores for the erosion problems; deficient buffers; crossings; pipes/ditches; and dumps, obstructions, and utilities, respectively.

TABLE 3-35
Habitat Assessment Summary for Accotink Watershed
Fairfax County Stream Physical Assessment

Stream	Linear Feet (Percent) of Stream					
	Very Poor	**Poor**	**Fair**	**Good**	**Excellent**	**Total**
Accotink Creek	1,372 (0.93)	38,013 (25.84)	45,305 (30.79)	57,502 (39.09)	4,927 (3.35)	147,119
Bear Branch	0 (0.00)	12,002 (42.18)	16,452 (57.82)	0 (0.00)	0 (0.00)	28,454
Calamo Run	0 (0.00)	0 (0.00)	7,655 (100.00)	0 (0.00)	0 (0.00)	7,655
Coon Branch	0 (0.00)	7,278 (100.00)	0 (0.00)	0 (0.00)	0 (0.00)	7,278
Crook Branch	906 (6.01)	6,686 (44.31)	7,497 (49.68)	0 (0.00)	0 (0.00)	15,089
Daniels Run	5,082 (28.03)	3,898 (21.50)	9,149 (50.47)	0 (0.00)	0 (0.00)	18,129
Fieldlark Branch	0 (0.00)	0 (0.00)	523 (11.58)	3,988 (88.42)	0 (0.00)	4,511
Flag Run	0 (0.00)	0 (0.00)	6,504 (100.00)	0 (0.00)	0 (0.00)	6,504
Hunters Branch	0 (0.00)	3,501 (31.33)	0 (0.00)	7,672 (68.67)	0 (0.00)	11,173
Long Branch (Central)	0 (0.00)	0 (0.00)	18,564 (69.94)	7,979 (30.06)	0 (0.00)	26,543
Long Branch (North)	0 (0.00)	9,658 (64.86)	5,232 (35.14)	0 (0.00)	0 (0.00)	14,890
Long Branch (South)	0 (0.00)	0 (0.00)	2,651 (13.11)	9,432 (46.63)	8,144 (40.26)	20,227
Long Branch Tributary	0 (0.00)	0 (0.00)	0 (0.00)	2,739 (100.00)	0 (0.00)	2,739
Tributary to Accontink Creek	5,614 (5.64)	45,533 (45.76)	25,629 (25.76)	15,469 (15.55)	7,264 (7.30)	99,510
Tributary to Crook Branch	0 (0.00)	491 (100.00)	0 (0.00)	0 (0.00)	0 (0.00)	491
Tributary to Hunters Branch	1,134 (28.20)	1,277 (31.75)	1,610 (40.05)	0 (0.00)	0 (0.00)	4,021
Tributary to Long Branch (Central)	0 (0.00)	8,398 (52.58)	7,574 (47.42)	0 (0.00)	0 (0.00)	15,972
Tributary to Long Branch (North)	2,271 (100.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	2,271

TABLE 3-35
Habitat Assessment Summary for Accotink Watershed
Fairfax County Stream Physical Assessment

Stream	Linear Feet (Percent) of Stream					
	Very Poor	**Poor**	**Fair**	**Good**	**Excellent**	**Total**
Tributary to Long Branch (South)	0 (0.00)	1,035 (12.86)	3,424 (42.54)	3,590 (44.60)	0 (0.00)	8,049
Turkey Run	447 (4.17)	0 (0.00)	10,255 (95.83)	0 (0.00)	0 (0.00)	10,702
Watershed Total	**16,826 (3.73)**	**137,770 (30.53)**	**168,024 (37.23)**	**108,371 (24.01)**	**20,335 (4.51)**	**451,325**

TABLE 3-36
Infrastructure Assessment Summary for Accotink Watershed
Fairfax County Stream Physical Assessment

Impact Score	0	1	2	3	4	5	6	7	8	9	10	>10	Total
Deficient Buffers		1	16	55	97	66	18	44	1		15		313
Crossings	67	119	91	43	16	4	4	1					345
Ditches and Pipes	144	45	65	64	20	13	1	8	1		1		362
Erosion				1	6	12	2	18					39
Head Cut				3	4	1					4		12
Obstruction	2	1	2	46	19	27	4	4	5	1			111
Utility	2	1	1	12	4		5	2			2		29
Total	215	167	175	224	166	123	34	77	7	1	22	0	1211

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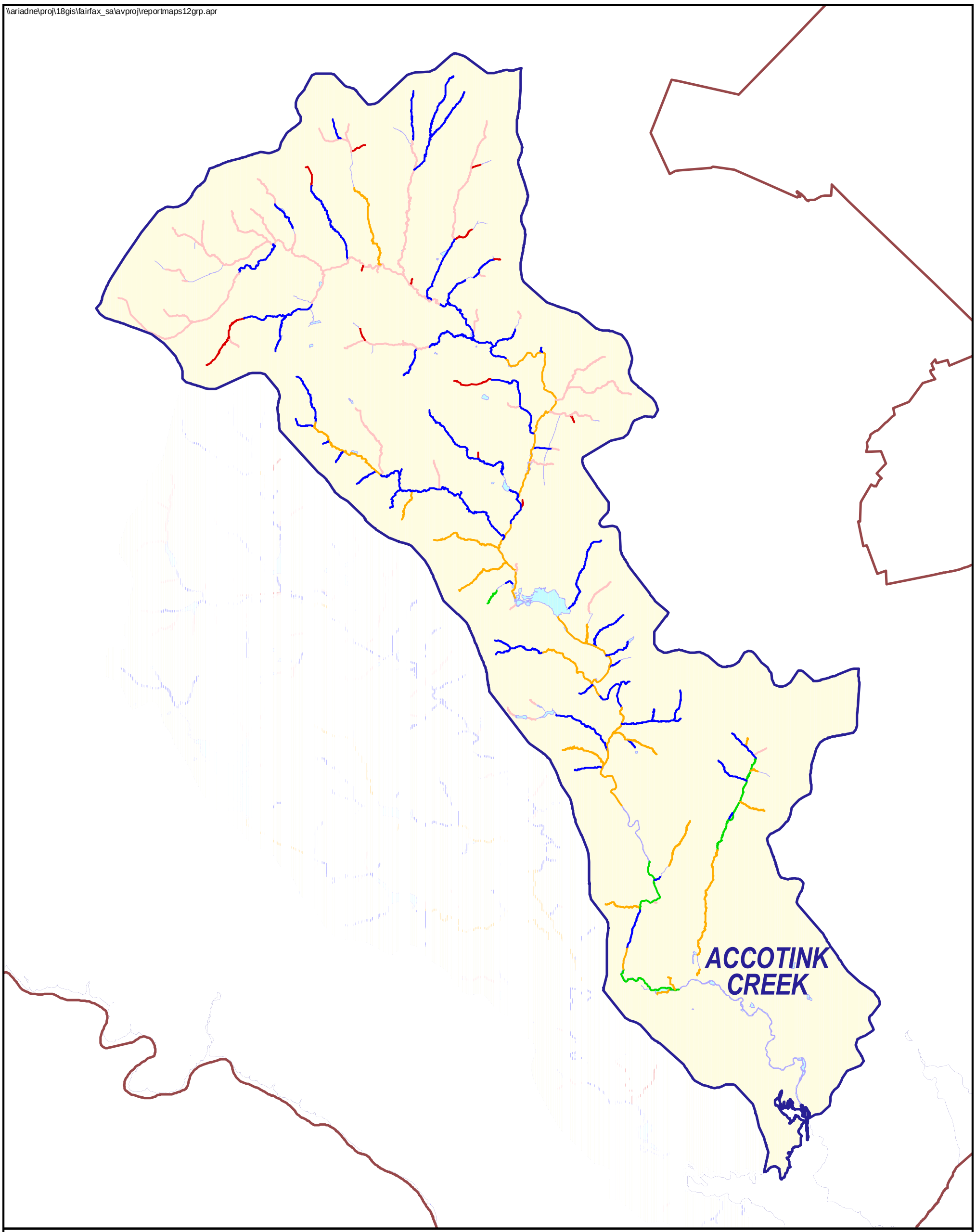

Fairfax County Boundary

Habitat Rating

- Excellent
- Good
- Fair
- Poor
- Very Poor
- No Habitat Assessment
- Lakes and Ponds
- Watersheds

N

WATERSHED GROUP:
ACCOTINK CREEK

0 3000 6000 9000 12000 Feet

Figure 3-45
Habitat Assessment
Accotink Creek Group
Fairfax County Stream Physical Assessment

CH2MHILL

Inventory Types
- Cross Section
- Head Cut

CEM Stage
- Not Assigned
- 1
- 2
- 3
- 4
- 5
- Fairfax County Boundary
- Lakes and Ponds
- Streams
- Watersheds

WATERSHED GROUP:
ACCOTINK CREEK

N

0 3000 6000 9000 12000 Feet

Figure 3-46
CEM Categories
Accotink Creek Group
Fairfax County Stream Physical Assessment

CH2MHILL

Erosion by Impact Score

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Fairfax County Boundary
Lakes and Ponds
Streams
Watersheds

WATERSHED GROUP:
ACCOTINK CREEK

N

0 3000 6000 9000 12000 Feet

Figure 3-47
Erosion Impacts
Accotink Creek Group
Fairfax County Stream Physical Assessment

CH2MHILL

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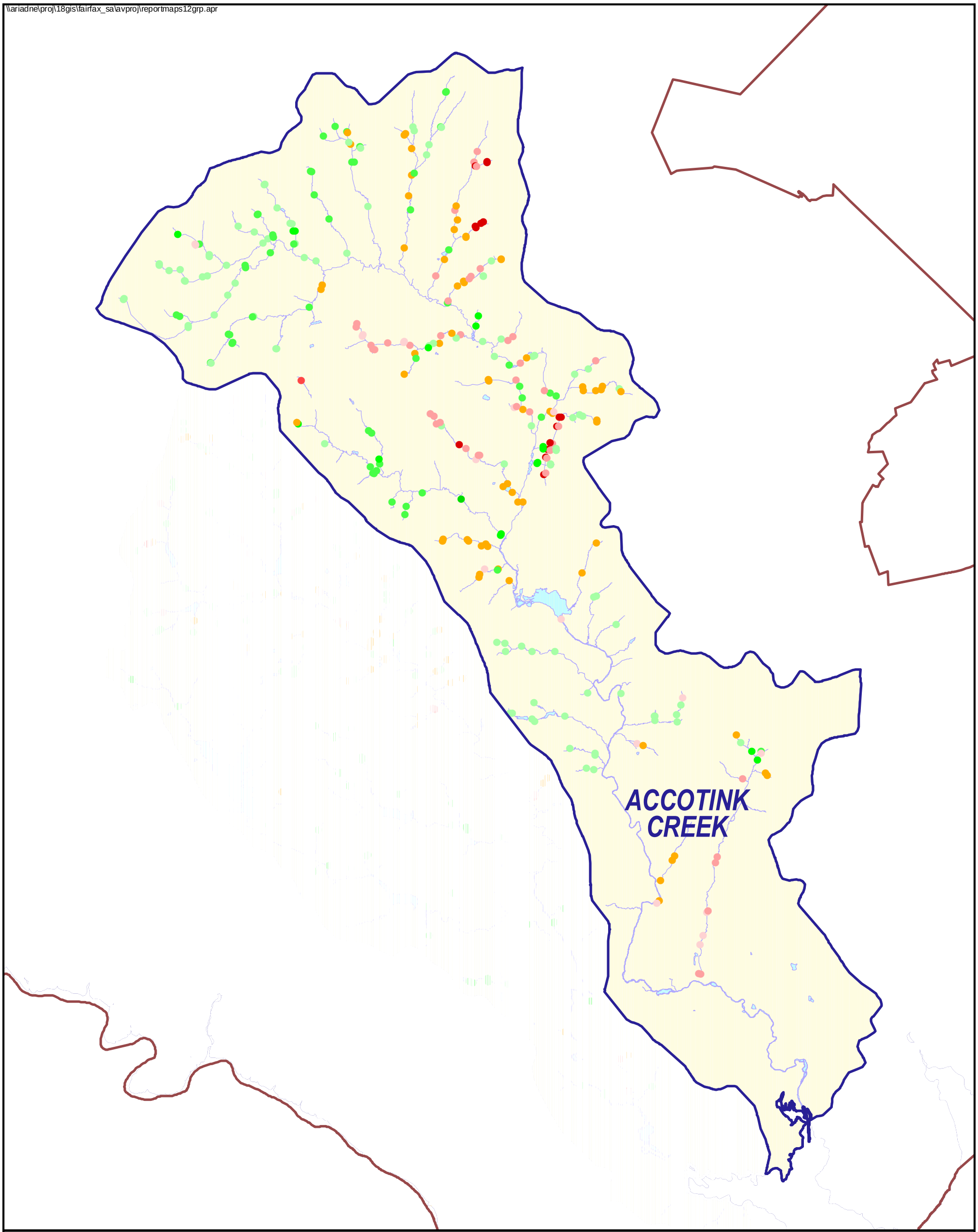

Deficient Buffer by Impact Score

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Fairfax County Boundary
Lakes and Ponds
Streams
Watersheds

WATERSHED GROUP:
ACCOTINK CREEK

N

0 3000 6000 9000 12000 Feet

CH2MHILL

Figure 3-48
Deficient Buffer Impacts
Accotink Creek Group
Fairfax County Stream Physical Assessment

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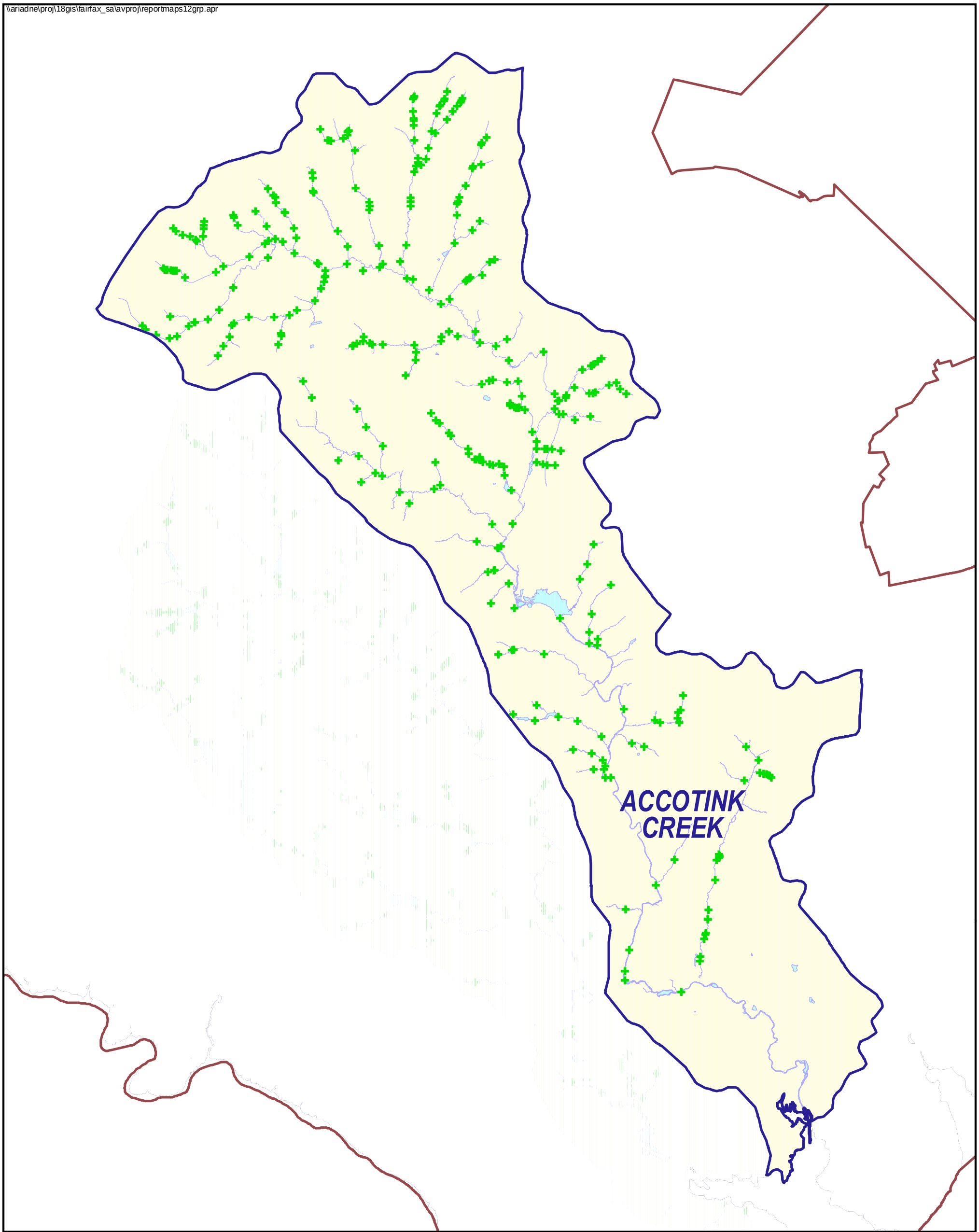

WATERSHED GROUP:
ACCOTINK CREEK

Inventory Type
- Crossing

- Fairfax County Boundary
- Lakes and Ponds
- Streams
- Watersheds

N

0 3000 6000 9000 12000 Feet

Figure 3-49
Crossings
Accotink Creek Group
Fairfax County Stream Physical Assessment

CH2MHILL

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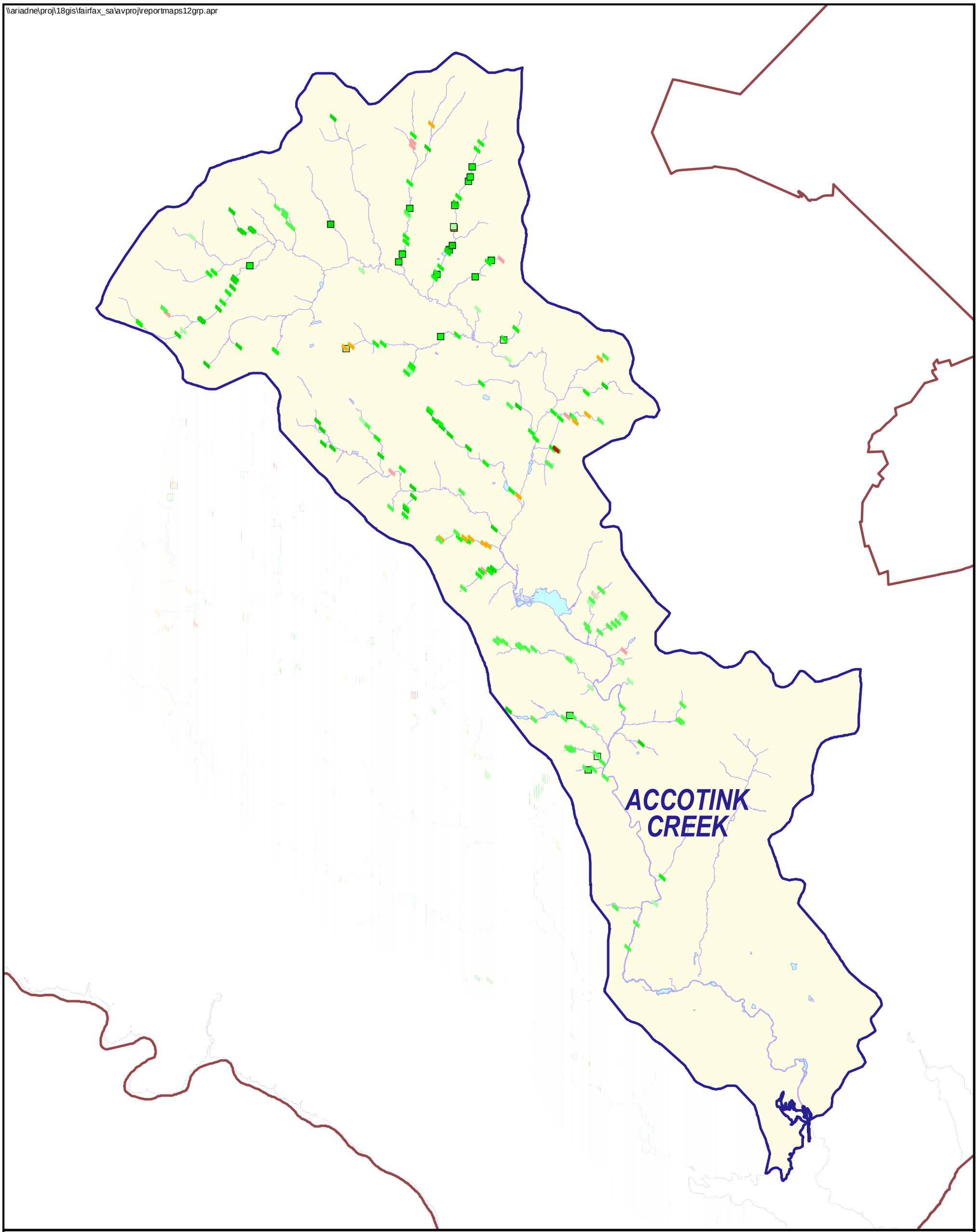


Pipe / Ditch by Impact Score

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Fairfax County Boundary
Lakes and Ponds
Streams
Watersheds

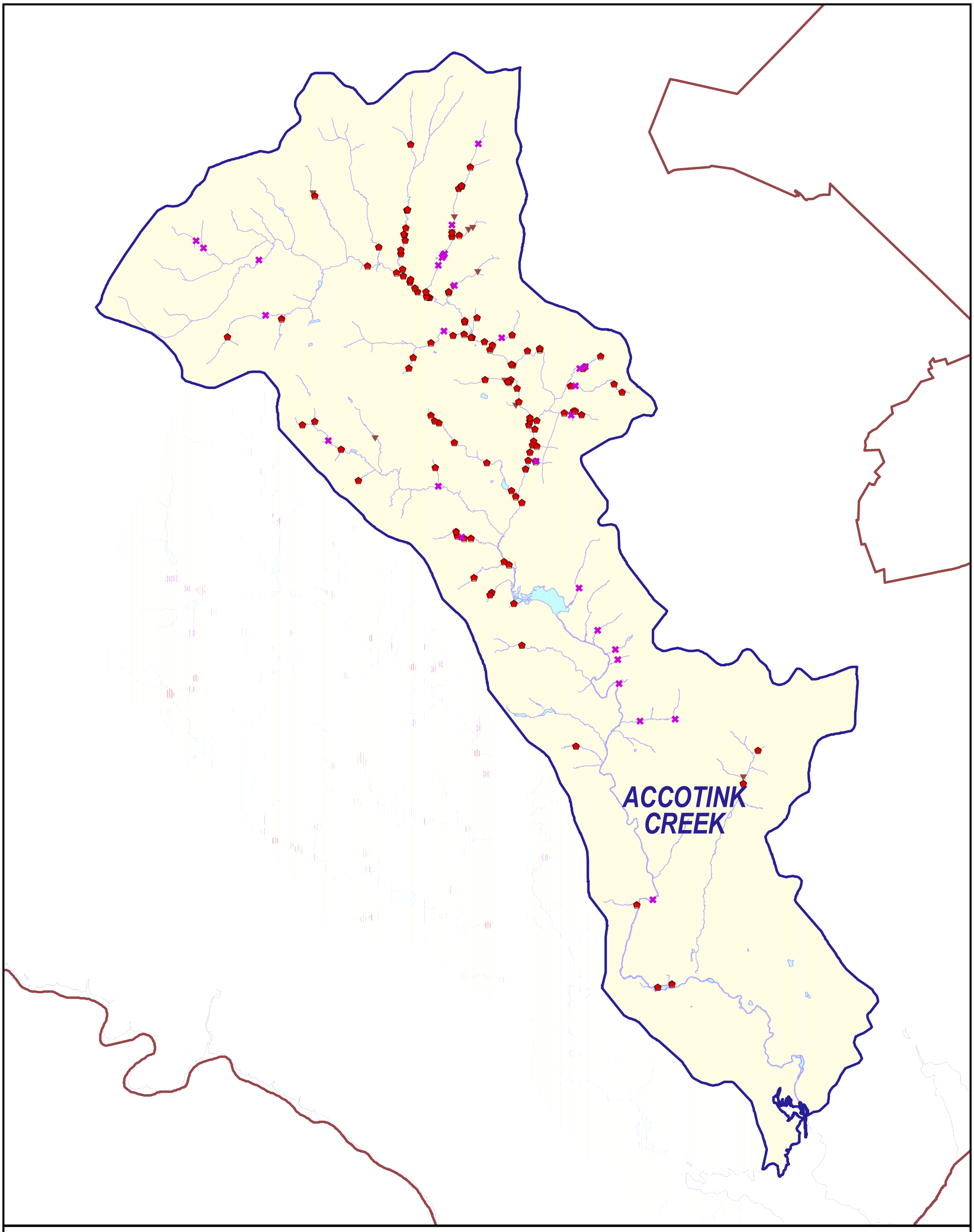
WATERSHED GROUP:
ACCOTINK CREEK

N

0 3000 6000 9000 12000 Feet

Figure 3-50
Pipe and Ditch Impacts
Accotink Creek Group
Fairfax County Stream Physical Assessment

CH2MHILL



Inventory Types
- Dump
- Obstruction
- Utility

- Fairfax County Boundary
- Lakes and Ponds
- Streams
- Watersheds

WATERSHED GROUP:
ACCOTINK CREEK

N

0 3000 6000 9000 12000 Feet

Figure 3-51
Dumps, Obstructions, and Utiilities
Accotink Creek Group
Fairfax County Stream Physical Assessment

CH2MHILL

3.2.8 Pohick Creek Summary

3.2.8.1 Pohick Creek Watershed

Description. Pohick Creek Watershed is one of the largest watersheds in Fairfax County, with just over 69 miles of stream assessed. It is a long narrow watershed located in the center of the County. The watershed is contained entirely within the county boundaries, and drains to Pohick Bay, and then into Gunston Cove and the Potomac River.

Habitat. The habitat assessment results for Pohick Creek Watershed are summarized by stream in Table 3-37. Habitat scores for each reach are depicted in Figure 3-52. Based on a length weighted habitat score of 95, Pohick Creek Watershed is one of the poorest quality watersheds, compared to the rest of the County. Approximately 2 miles of stream were categorized as having "very poor" habitat conditions, 20 miles as "poor," 37 miles as "fair," and 10 miles as "good."

CEM. Based on the CEM evaluations approximately three quarters of the channels assessed in Pohick Creek Watershed are in Evolutionary Stage 3 (Table 3-3), with most of the remainder of the watershed in Stage 4. Figure 3-53 summarizes the CEM results for Pohick Creek Watershed.

Infrastructure. The infrastructure inventory resulted in 871 inventory points. The most significant problems were related to four head cuts, two exposed utility lines and one pipe, which were each given an impact score of 10. The infrastructure inventory results are summarized in Table 3-38. Figures 3-54, 3-55, 3-56, 3-57, and 3-58 summarize impact scores for the erosion problems; deficient buffers; crossings; pipes/ditches; and dumps, obstructions, and utilities, respectively.

TABLE 3-37
Habitat Assessment Summary for Pohick Creek Watershed
Fairfax County Stream Physical Assessment

Stream	Linear Feet (Percent) of Stream					
	Very Poor	**Poor**	**Fair**	**Good**	**Excellent**	**Total**
Cherry Run	0 (0.00)	0 (0.00)	1,308 (12.70)	8,993 (87.30)	0 (0.00)	10,301
Middle Run	0 (0.00)	0 (0.00)	0 (0.00)	8,855 (100.00)	0 (0.00)	8,855
Oppossum Branch	0 (0.00)	3,366 (100.00)	0 (0.00)	0 (0.00)	0 (0.00)	3,366
Peyton Run	0 (0.00)	0 (0.00)	6,163 (100.00)	0 (0.00)	0 (0.00)	6,163
Pohick Creek	7,570 (7.18)	17,693 (16.79)	68,116 (64.63)	12,020 (11.40)	0 (0.00)	105,399
Rabbit Branch	0 (0.00)	5,914 (19.09)	25,059 (80.91)	0 (0.00)	0 (0.00)	30,972
Rocky Branch	0 (0.00)	0 (0.00)	3,535 (100.00)	0 (0.00)	0 (0.00)	3,535
Sangster Branch	0 (0.00)	0 (0.00)	2,274 (100.00)	0 (0.00)	0 (0.00)	2,274
Sideburn Branch	0 (0.00)	7,866 (53.06)	6,959 (46.94)	0 (0.00)	0 (0.00)	14,825
Silver Brook	0 (0.00)	3,728 (100.00)	0 (0.00)	0 (0.00)	0 (0.00)	3,728
South Run	0 (0.00)	492 (2.31)	8,463 (39.69)	12,370 (58.01)	0 (0.00)	21,325
Tributary to Crooked Branch	0 (0.00)	503 (8.99)	5,092 (91.01)	0 (0.00)	0 (0.00)	5,595
Tributary to Middle Run	0 (0.00)	297 (2.50)	10,795 (90.71)	809 (6.80)	0 (0.00)	11,901
Tributary to Pohick Creek	0 (0.00)	27,212 (43.31)	27,172 (43.25)	8,443 (13.44)	0 (0.00)	62,828
Tributary to Rabbit Branch	4,943 (27.65)	5,003 (27.99)	5,801 (32.45)	2,128 (11.91)	0 (0.00)	17,876
Tributary to Sideburn Branch	0 (0.00)	16,644 (72.40)	6,346 (27.60)	0 (0.00)	0 (0.00)	22,990
Tributary to South Run	0 (0.00)	14,226 (41.02)	20,457 (58.98)	0 (0.00)	0 (0.00)	34,683
Watershed Total	**12,514 (3.41)**	**102,945 (28.08)**	**197,539 (53.88)**	**53,618 (14.63)**	**0 (0.00)**	**366,615**

TABLE 3-38
Infrastructure Assessment Summary for Pohick Creek Watershed
Fairfax County Stream Physical Assessment

Impact Score	0	1	2	3	4	5	6	7	8	9	10	>10	Total
Deficient Buffers	0	0	18	26	64	48	14	9	4	0	0	N/A	183
Crossings	136	66	50	21	10	10	2	1	1	0	0	N/A	297
Ditches and Pipes	162	17	12	10	20	24	6	4	1	3	1	N/A	260
Erosion	0	0	0	0	2	7	15	13	8	2	0	N/A	47
Head Cut	0	0	1	0	4	4	2	0	0	1	4	N/A	16
Obstruction	8	7	5	12	12	5	0	0	0	1	0	N/A	50
Utility	0	0	0	1	4	4	5	1	1	0	2	0	18
Total	**306**	**90**	**86**	**70**	**116**	**102**	**44**	**28**	**15**	**7**	**7**	**0**	**871**

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Fairfax County Boundary

Habitat Rating

- Excellent
- Good
- Fair
- Poor
- Very Poor
- No Habitat Assessment
- Lakes and Ponds
- Watersheds

N

WATERSHED GROUP:
POHICK CREEK

0 3000 6000 9000 12000 Feet

Figure 3-52
Habitat Assessment
Pohick Creek
Fairfax County Stream Physical Assessment

CH2MHILL

Inventory Types
- Cross Section
- Head Cut

CEM Stage
- Not Assigned
- 1
- 2
- 3
- 4
- 5
- Fairfax County Boundary
- Lakes and Ponds
- Streams
- Watersheds

WATERSHED GROUP:
POHICK CREEK

N

0 3000 6000 9000 12000 Feet

CH2MHILL

Figure 3-53
CEM Stages
Pohick Creek
Fairfax County Stream Physical Assessment

Erosion by Impact Score

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

- Fairfax County Boundary
- Lakes and Ponds
- Streams
- Watersheds

WATERSHED GROUP:
POHICK CREEK

N

0 3000 6000 9000 12000 Feet

Figure 3-54
Erosion Impacts
Pohick Creek
Fairfax County Stream Physical Assessment

CH2MHILL

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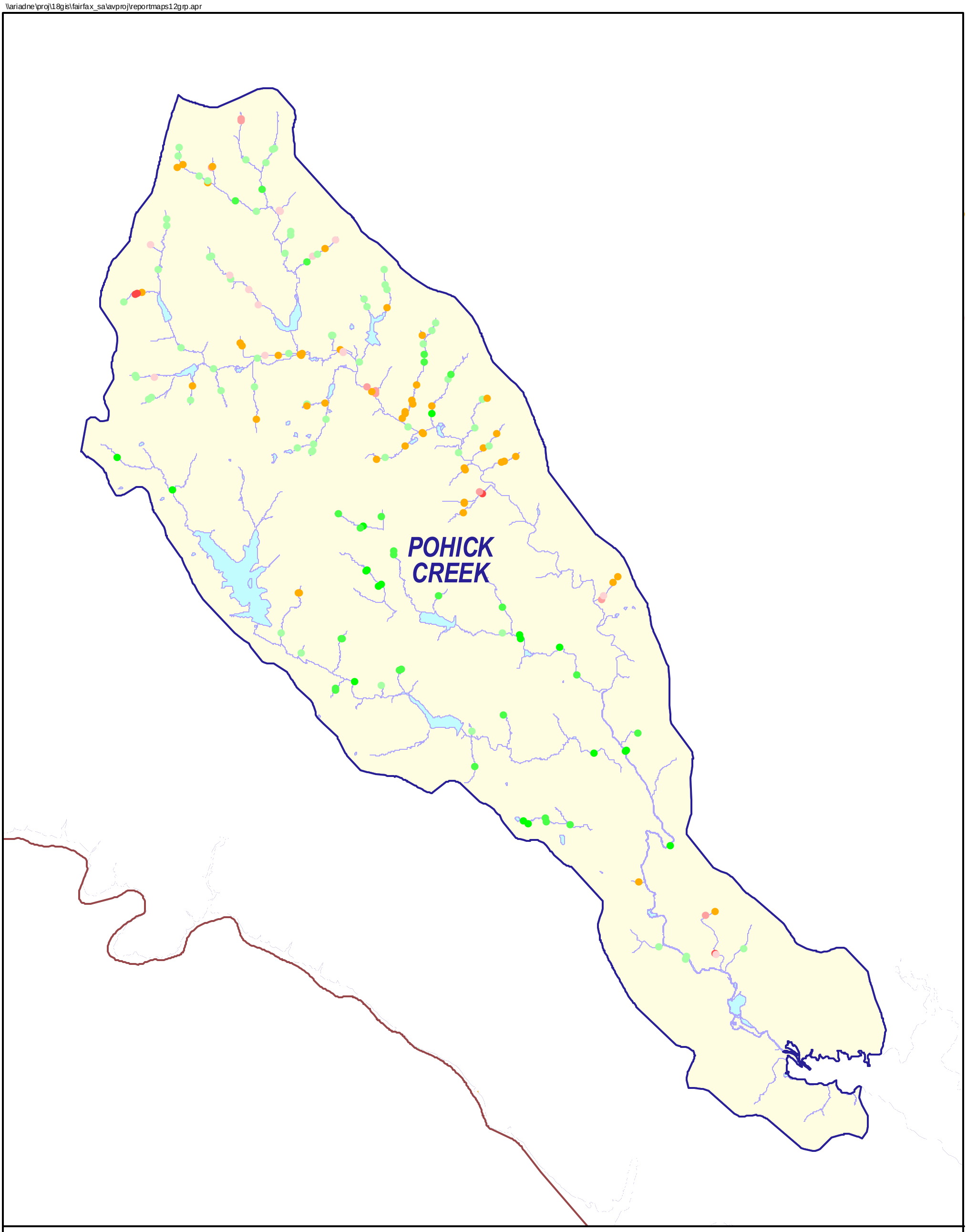

Deficient Buffer by Impact Score

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Fairfax County Boundary
Lakes and Ponds
Streams
Watersheds

WATERSHED GROUP:
POHICK CREEK

N

0 3000 6000 9000 12000 Feet

CH2MHILL

Figure 3-55
Deficient Buffer Impacts
Pohick Creek
Fairfax County Stream Physical Assessment

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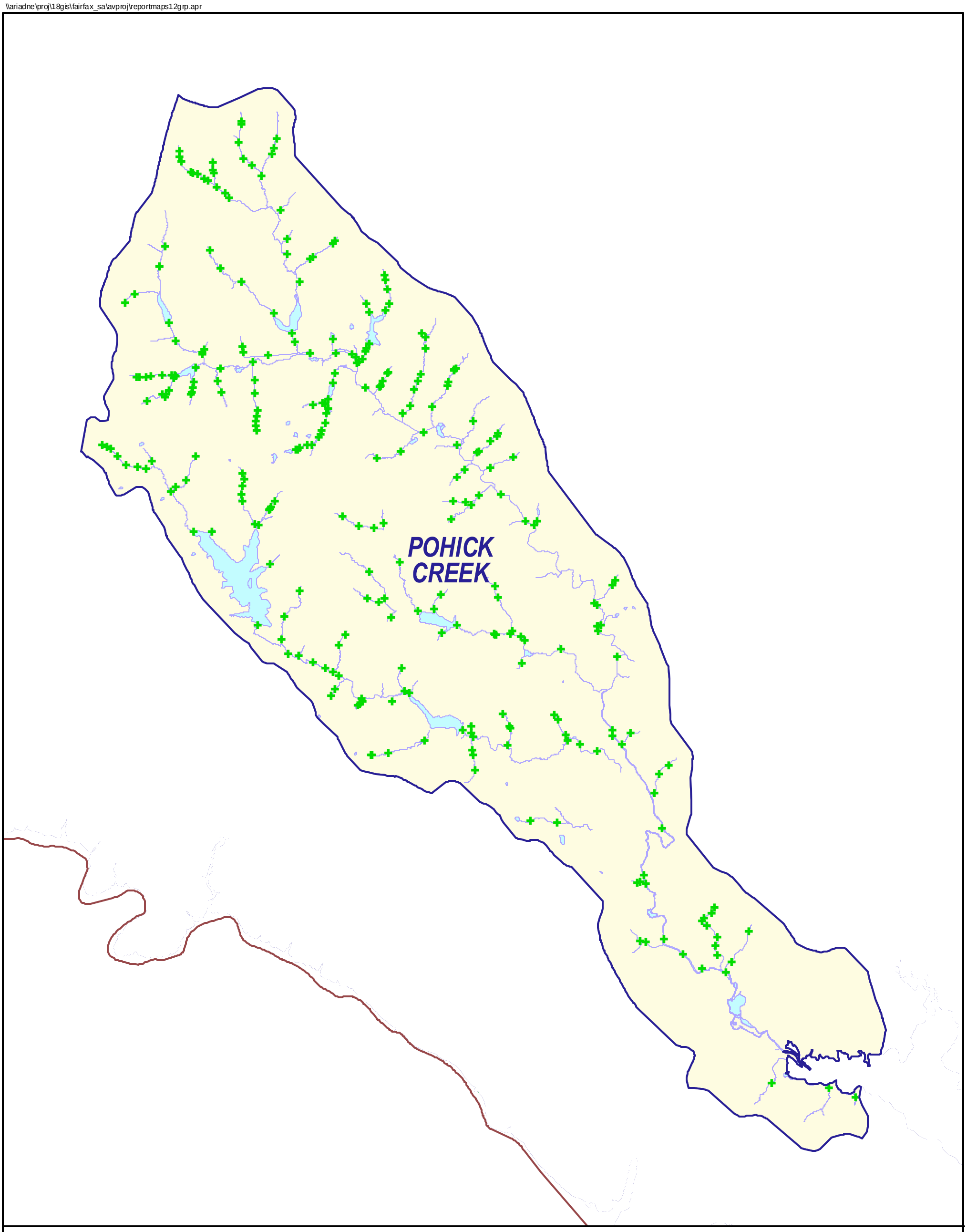

WATERSHED GROUP:
POHICK CREEK

Figure 3-56
Crossings
Pohick Creek
Fairfax County Stream Physical Assessment

Inventory Type
- Crossing

- Fairfax County Boundary
- Lakes and Ponds
- Streams
- Watersheds

N

0 3000 6000 9000 12000 Feet

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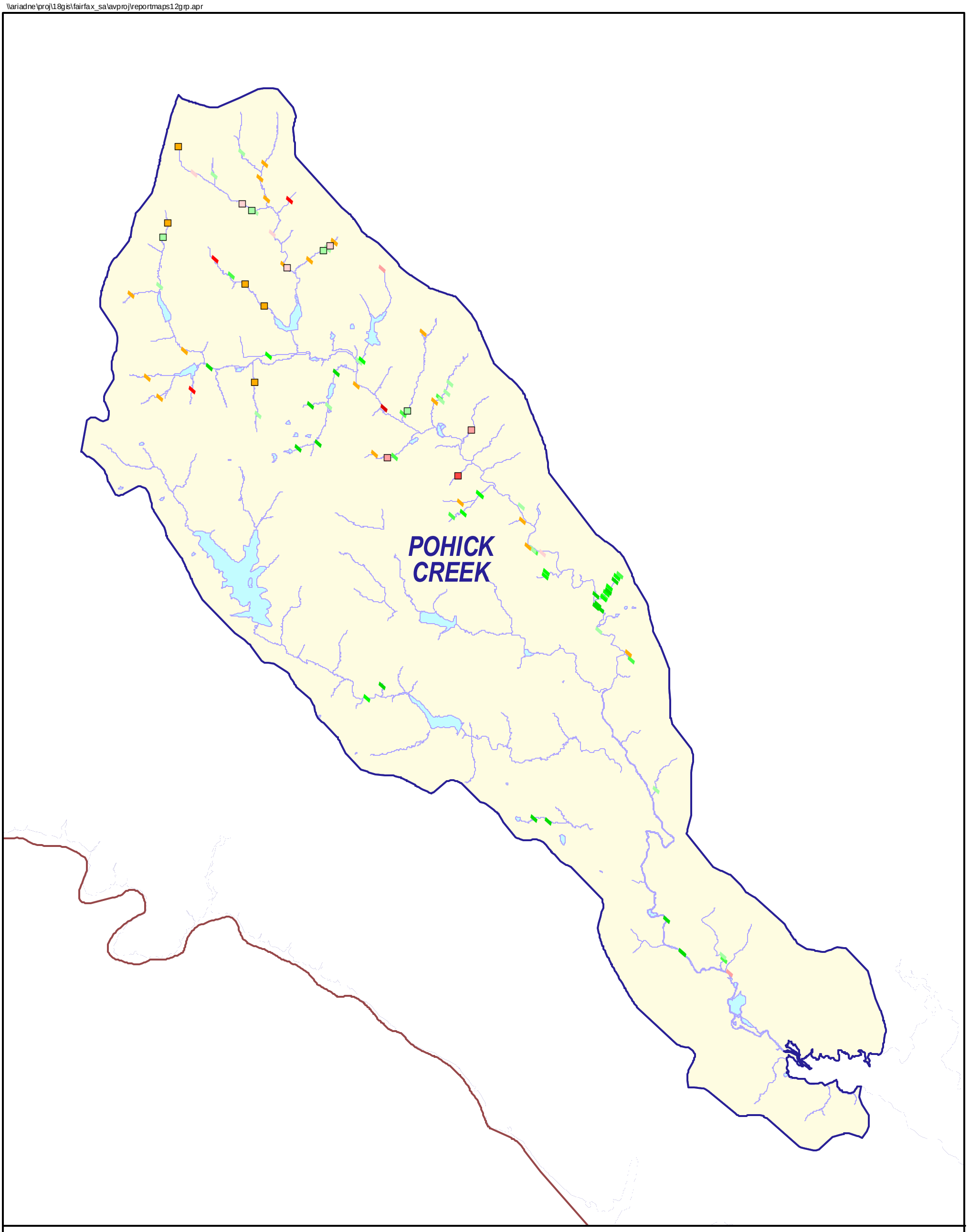

Pipe / Ditch by Impact Score

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

- Fairfax County Boundary
- Lakes and Ponds
- Streams
- Watersheds

WATERSHED GROUP:
POHICK CREEK

N

0 3000 6000 9000 12000 Feet

Figure 3-57
Pipe and Ditch Impacts
Pohick Creek
Fairfax County Stream Physical Assessment

CH2MHILL

Inventory Types
- Dump
- Obstruction
- Utility

- Fairfax County Boundary
- Lakes and Ponds
- Streams
- Watersheds

WATERSHED GROUP:
POHICK CREEK

N

0 3000 6000 9000 12000 Feet

CH2MHILL

Figure 3-58
Dumps, Obstructions, and Utilities
Pohick Creek
Fairfax County Stream Physical Assessment

3.2.9 Upper Bull Run Group Summary

3.2.9.1 Cub Run Watershed

Description. Cub Run Watershed is a large watershed, with approximately 75 miles of stream assessed. The watershed encompasses most of the eastern end of the County, with the upper portion of the watershed is located in Loudoun County. Cub Run drains to Bull Run, which eventually joins the Occoquan River.

Habitat. The habitat assessment results for Cub Run Watershed are summarized by stream in Table 3-39. Habitat scores for each reach are depicted in Figure 3-59. Based on a length weighted habitat score of 110 (Table 3-2), Cub Run Watershed is in the upper middle range of quality, compared to the rest of the County. Approximately 1 mile of stream was categorized as having "very poor" habitat conditions, 13 miles as "poor," 24 miles as "fair," and 28 miles as "good," and 8 miles as "excellent."

CEM. Based on the CEM evaluations approximately 60 percent of the channels assessed in Cub Run Watershed are in Evolutionary Stage 3 (Table 3-3) and most of the rest are in Stage 4. Figure 3-60 summarizes the CEM results for Cub Run Watershed.

Infrastructure. The infrastructure inventory resulted in 1473 inventory points. The most significant problem was related to 20 deficient buffers as well as a variety of other infrastructures with an impact score of 10. Figures 3-61, 3-62, 3-63, 3-64, and 3-65 summarize impact scores for the erosion problems; deficient buffers; crossings; pipes/ditches; and dumps, obstructions, and utilities, respectively.

3.2.9.2 Bull Run Watershed

Description. Bull Run Watershed is a medium-sized watershed, with approximately 13 miles of stream assessed. It is located at the eastern most portion of the County. The watershed consists of many small tributaries to Bull Run, with some of the upper most headwaters located in Loudoun County. Bull Run eventually drains into the Occoquan River.

Habitat. The habitat assessment results for Bull Run Watershed are summarized by stream in Table 3-41. Habitat scores for each reach are depicted in Figure 3-59. Based on a length weighted habitat score of 108 (Table 3-2), Bull Run Watershed is in the upper middle range of quality, compared to the rest of the County. Just over 1 mile of stream was categorized as having "poor" habitat conditions; 8 miles were "fair," and 4 miles were "good."

CEM. Based on the CEM evaluations approximately two thirdsof the channels assessed in Bull Run Watershed are in Evolutionary Stage 3 (Table 3-3) with the remainder in Stage 2. Figure 3-60 summarizes the CEM results for Bull Run Watershed.

Infrastructure. The infrastructure inventory resulted in 59 inventory points. The most significant problems were related to a crossing that was given an impact score of 8 and five deficient buffers that were given an impact score of 7. The infrastructure inventory results are summarized in Table 3-42. Figures 3-61, 3-62, 3-63, 3-64, and 3-65 summarize impact scores for the erosion problems; deficient buffers; crossings; pipes/ditches; and dumps, obstructions, and utilities, respectively.

TABLE 3-39
Habitat Assessment Summary for Cub Run Watershed
Fairfax County Stream Physical Assessment

Stream	Linear Feet (Percent) of Stream					
	Very Poor	**Poor**	**Fair**	**Good**	**Excellent**	**Total**
Big Rocky Run	0 (0.00)	5,415 (7.16)	24,886 (32.90)	24,549 (32.45)	20,802 (27.50)	75,653
Cain Branch	0 (0.00)	0 (0.00)	4,901 (37.10)	8,307 (62.90)	0 (0.00)	13,208
Cub Run	753 (0.88)	19,278 (22.61)	19,837 (23.26)	39,805 (46.68)	5,607 (6.57)	85,279
Dead Run	0 (0.00)	2,253 (28.19)	0 (0.00)	5,740 (71.81)	0 (0.00)	7,993
Elklick Run	0 (0.00)	561 (1.52)	17,257 (46.90)	14,563 (39.58)	4,414 (12.00)	36,794
Flatlick Branch	0 (0.00)	4,835 (12.02)	23,571 (58.58)	10,596 (26.34)	1,234 (3.07)	40,236
Frog Branch	0 (0.00)	0 (0.00)	0 (0.00)	7,716 (100.00)	0 (0.00)	7,716
Oxlick Branch	0 (0.00)	8,157 (60.55)	3,018 (22.40)	2,297 (17.05)	0 (0.00)	13,472
Round Lick Branch	0 (0.00)	4,782 (24.31)	6,178 (31.40)	7,104 (36.11)	1,609 (8.18)	19,673
Sand Branch	0 (0.00)	0 (0.00)	0 (0.00)	769 (100.00)	0 (0.00)	769
Schneider Branch	0 (0.00)	5,212 (27.12)	3,938 (20.49)	10,066 (52.38)	0 (0.00)	19,217
Tributary to Big Rocky Run	0 (0.00)	3,245 (20.14)	3,983 (24.73)	8,880 (55.13)	0 (0.00)	16,108
Tributary to Bull Run	0 (0.00)	0 (0.00)	922 (24.05)	405 (10.57)	2,507 (65.38)	3,834
Tributary to Cub Run	0 (0.00)	12,573 (37.44)	11,203 (33.36)	5,792 (17.25)	4,016 (11.96)	33,583
Tributary to Flatlick Branch	6,096 (32.88)	4,364 (23.53)	4,974 (26.83)	3,108 (16.76)	0 (0.00)	18,542
Tributary to Frog Branch	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	1,693 (100.00)	1,693
Watershed Total	**6,849 (1.74)**	**70,675 (17.95)**	**124,669 (31.66)**	**149,697 (38.02)**	**41,882 (10.64)**	**393,770**

TABLE 3-40
Infrastructure Assessment Summary for Cub Run Watershed
Fairfax County Stream Physical Assessment

Impact Score	0	1	2	3	4	5	6	7	8	9	10	>10	Total
Deficient Buffers	0	6	88	65	46	125	14	43	8	2	20	N/A	417
Crossings	73	113	81	19	11	16	2	5	1	0	1	N/A	322
Ditches and Pipes	232	66	57	22	6	27	5	3	5	1	5	N/A	429
Erosion	0	0	5	8	10	41	12	26	1	1	2	N/A	106
Head Cut	0	0	1	7	6	3	1	0	0	0	8	N/A	26
Obstruction	12	2	14	45	20	24	7	11	9	4	4	N/A	152
Utility	10	1	1	3	0	2	0	2	0	0	2	0	21
Total	**327**	**188**	**247**	**169**	**99**	**238**	**41**	**90**	**24**	**8**	**42**	**0**	**1473**

TABLE 3-41
Habitat Assessment Summary for Bull Run Watershed
Fairfax County Stream Physical Assessment

Stream	Linear Feet (Percent) of Stream					
	Very Poor	Poor	Fair	Good	Excellent	Total
Tributary to Bull Run	0 (0.00)	6,443 (9.34)	40,594 (58.83)	21,970 (31.84)	0 (0.00)	69,007
Watershed Total	**0 (0.00)**	**6,443 (9.34)**	**40,594 (58.83)**	**21,970 (31.84)**	**0 (0.00)**	**69,007**

TABLE 3-42
Infrastructure Assessment Summary for Bull Run Watershed
Fairfax County Stream Physical Assessment

Impact Score	0	1	2	3	4	5	6	7	8	9	10	>10	Total
Deficient Buffers	0	0	2	13	0	5	4	5	0	0	0	N/A	29
Crossings	0	5	8	3	2	0	1	0	1	0	0	N/A	20
Ditches and Pipes	0	0	0	0	0	0	0	0	0	0	0	N/A	0
Erosion	0	0	0	0	0	1	0	0	0	0	0	N/A	1
Head Cut	0	0	0	0	0	0	0	0	0	0	0	N/A	0
Obstruction	2	0	1	3	2	0	0	0	0	0	0	N/A	8
Utility	0	0	0	0	0	1	0	0	0	0	0	0	1
Total	**2**	**5**	**11**	**19**	**4**	**7**	**5**	**5**	**1**	**0**	**0**	**0**	**59**

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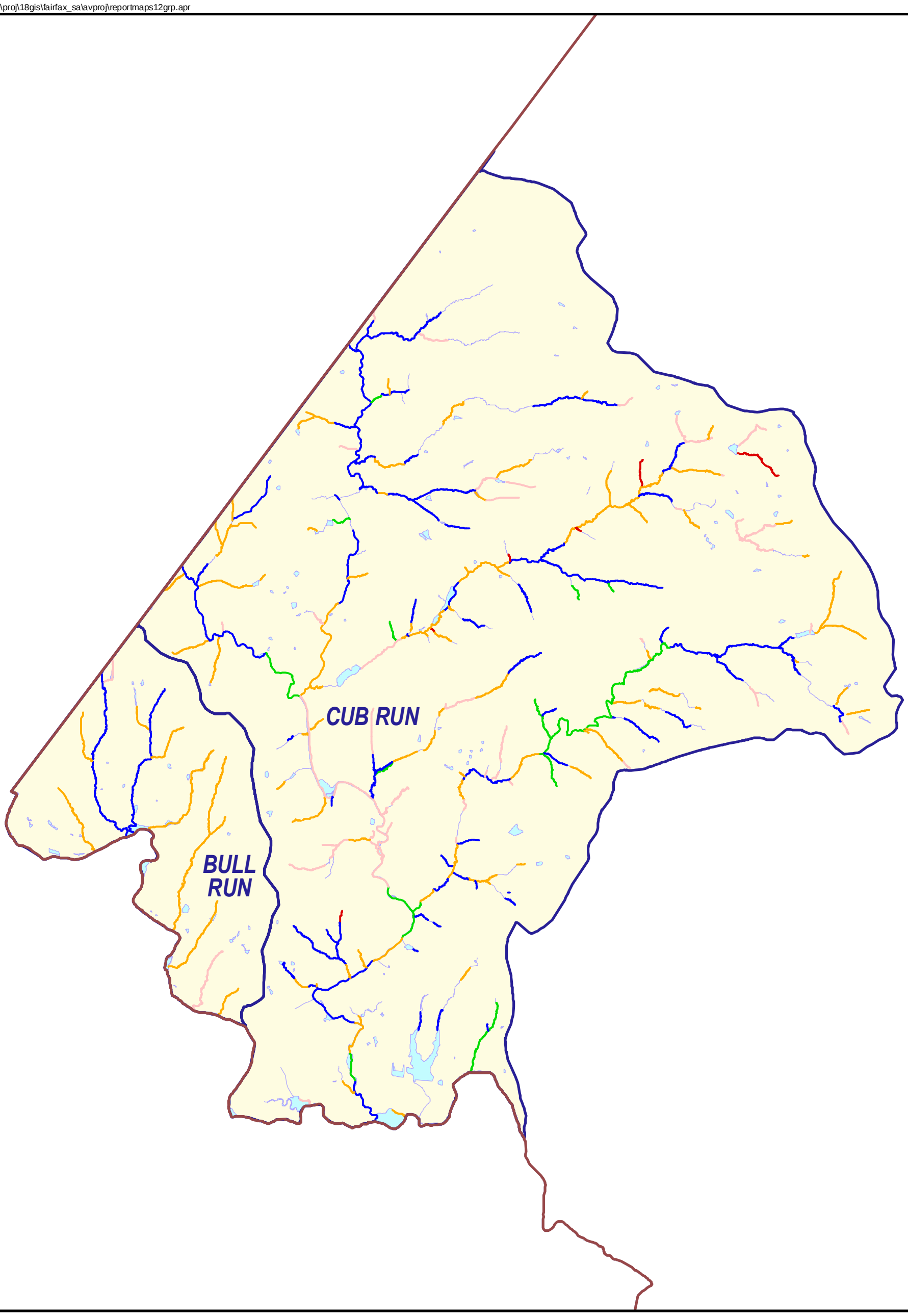


Fairfax County Boundary

Habitat Rating

- Excellent
- Good
- Fair
- Poor
- Very Poor
- No Habitat Assessment
- Lakes and Ponds
- Watersheds

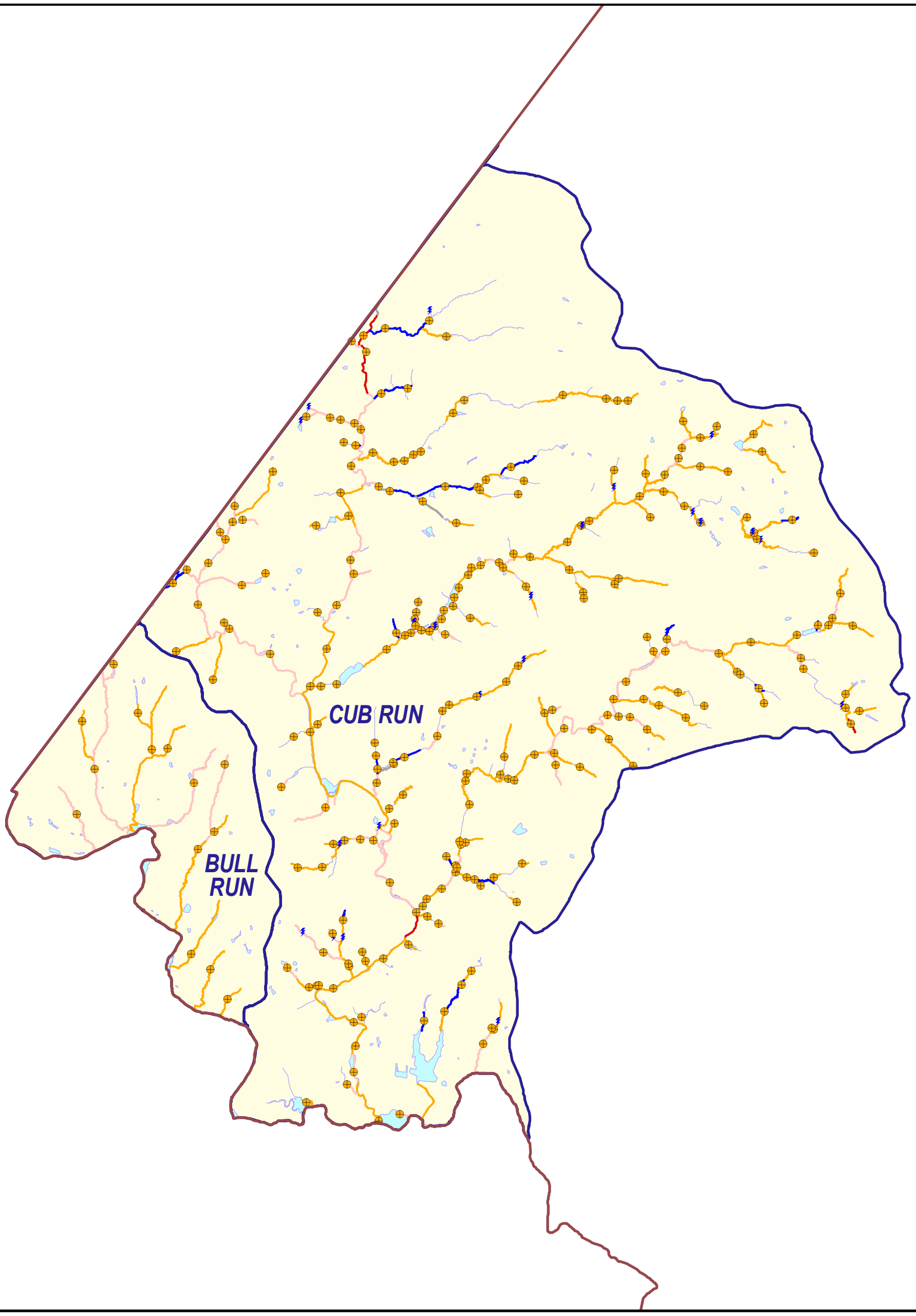
N

WATERSHED GROUP:
UPPER BULL RUN

0 3000 6000 9000 12000 Feet

Figure 3-59
Habitat Assessment
Upper Bull Run Group
Fairfax County Stream Physical Assessment

CH2MHILL



Inventory Types
- Cross Section
- Head Cut

CEM Stage
- Not Assigned
- 1
- 2
- 3
- 4
- 5
- Fairfax County Boundary
- Lakes and Ponds
- Streams
- Watersheds

WATERSHED GROUP:
UPPER BULL RUN

N

0 3000 6000 9000 12000 Feet

Figure 3-60
CEM Stages
Upper Bull Run Group
Fairfax County Stream Physical Assessment

CH2MHILL

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Erosion by Impact Score

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Fairfax County Boundary
Lakes and Ponds
Streams
Watersheds

WATERSHED GROUP:
UPPER BULL RUN

N

0 3000 6000 9000 12000 Feet

Figure 3-61
Erosion Impacts
Upper Bull Run Group
Fairfax County Stream Physical Assessment

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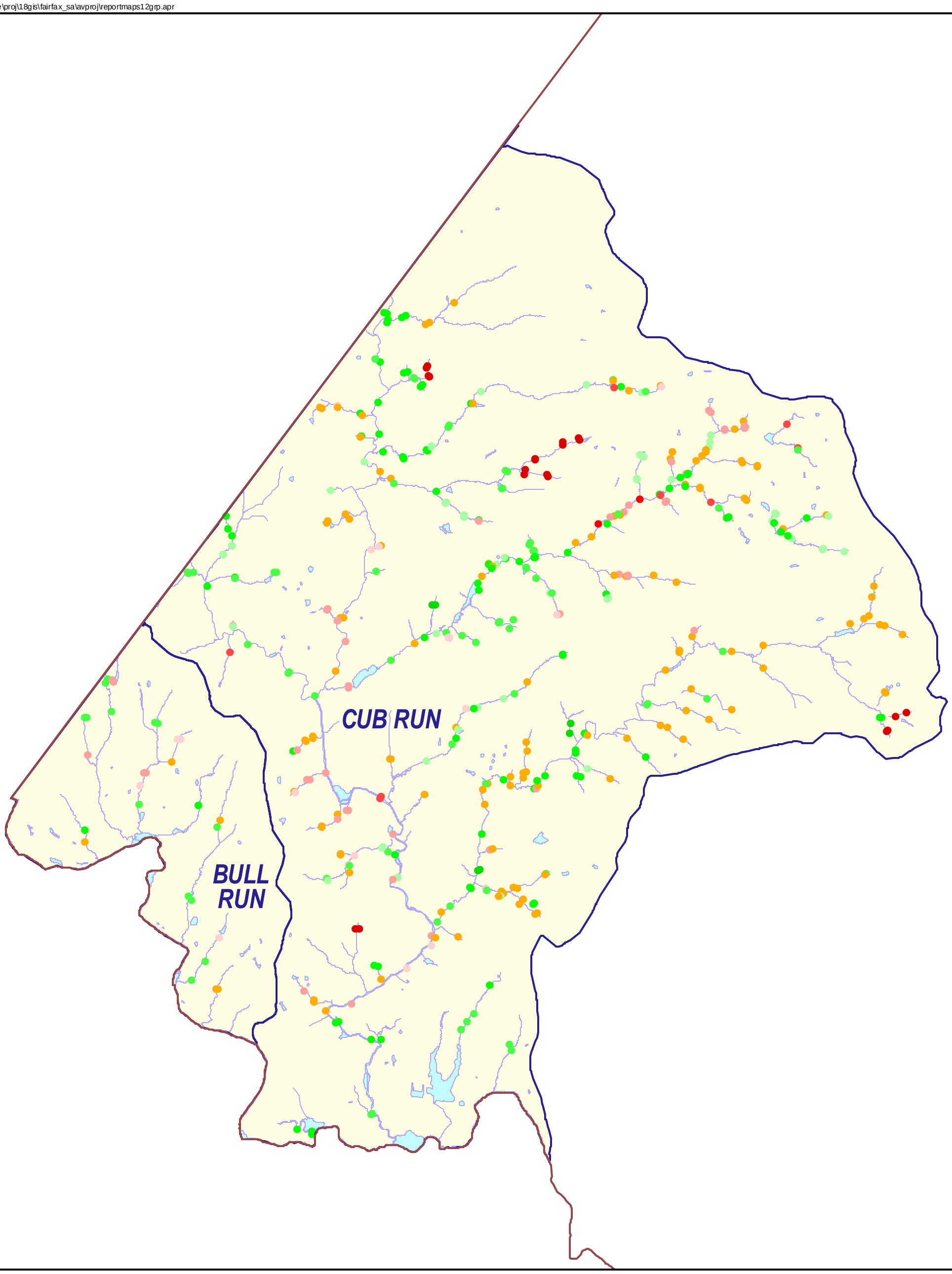

Deficient Buffer by Impact Score

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Fairfax County Boundary
Lakes and Ponds
Streams
Watersheds

WATERSHED GROUP:
UPPER BULL RUN

N

0 3000 6000 9000 12000 Feet

CH2MHILL

Figure 3-62
Deficient Buffer Impacts
Upper Bull Run Group
Fairfax County Stream Physical Assessment

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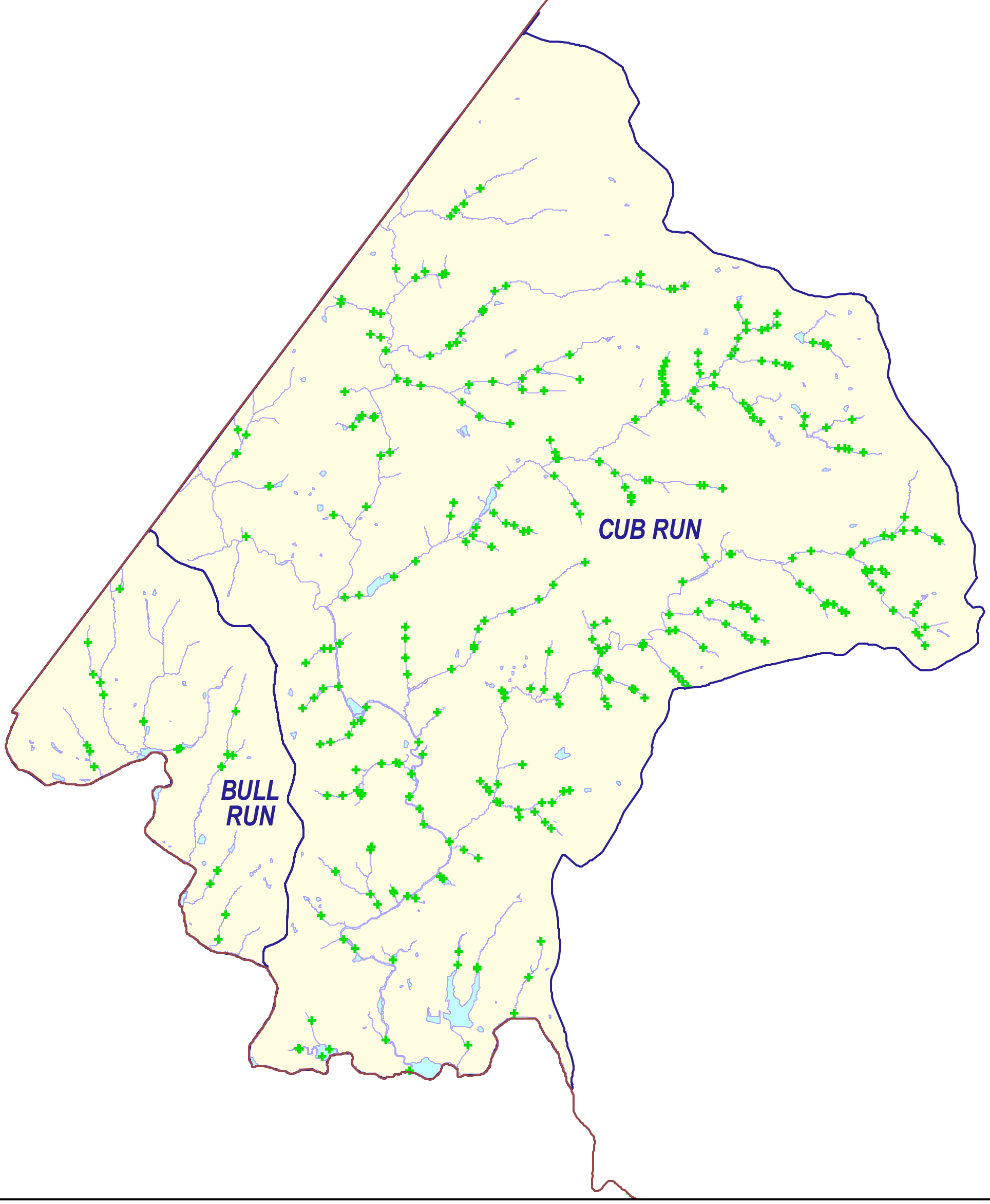

Inventory Type
- Crossing

- Fairfax County Boundary
- Lakes and Ponds
- Streams
- Watersheds

WATERSHED GROUP:
UPPER BULL RUN

N

0 3000 6000 9000 12000 Feet

CH2MHILL

Figure 3-63
Crossings
Upper Bull Run Group
Fairfax County Stream Physical Assessment

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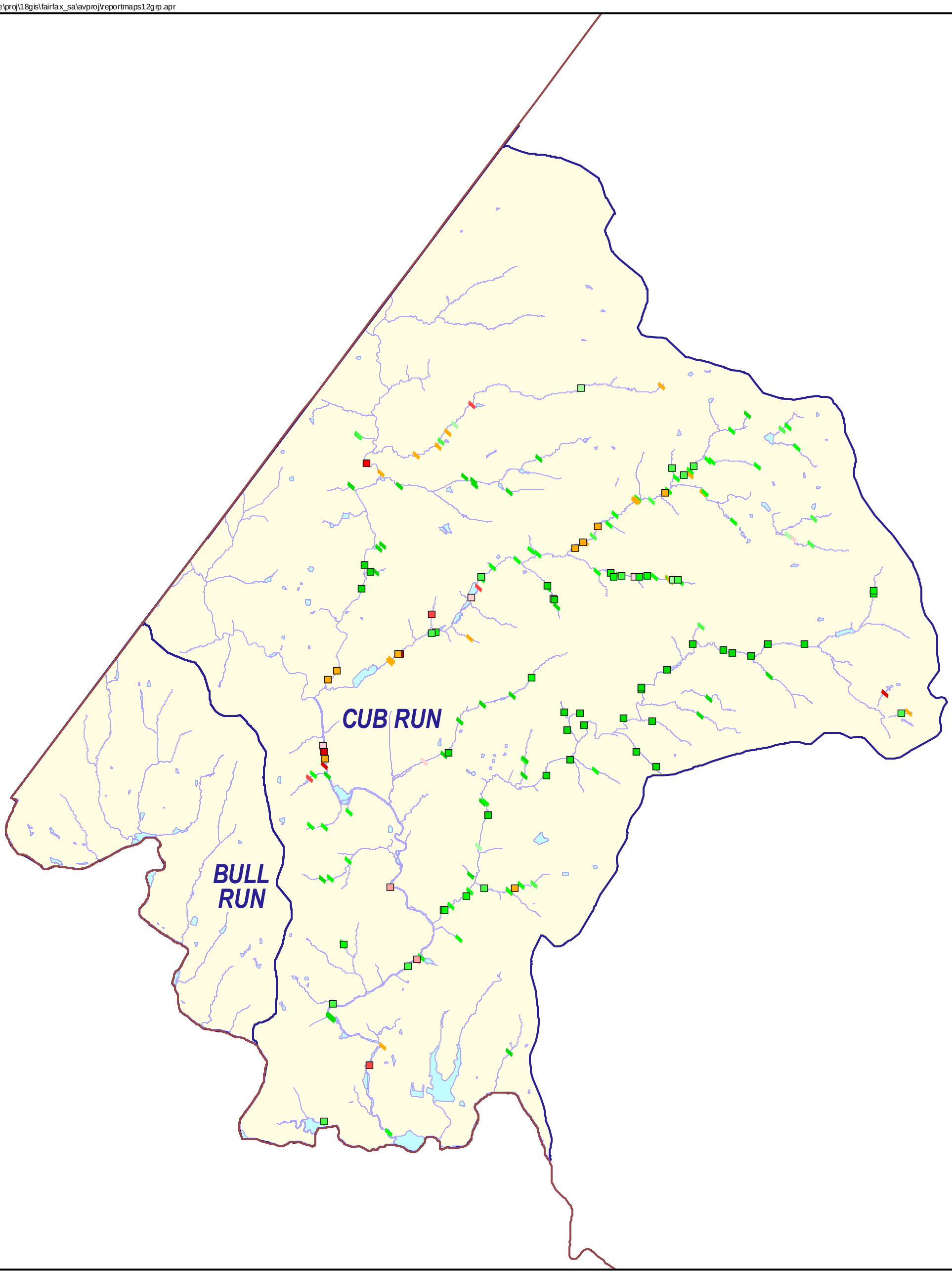

Pipe / Ditch by Impact Score

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Fairfax County Boundary
Lakes and Ponds
Streams
Watersheds

WATERSHED GROUP:
UPPER BULL RUN

N

0 3000 6000 9000 12000 Feet

CH2MHILL

Figure 3-64
Pipe and Ditch Impacts
Upper Bull Run Group
Fairfax County Stream Physical Assessment

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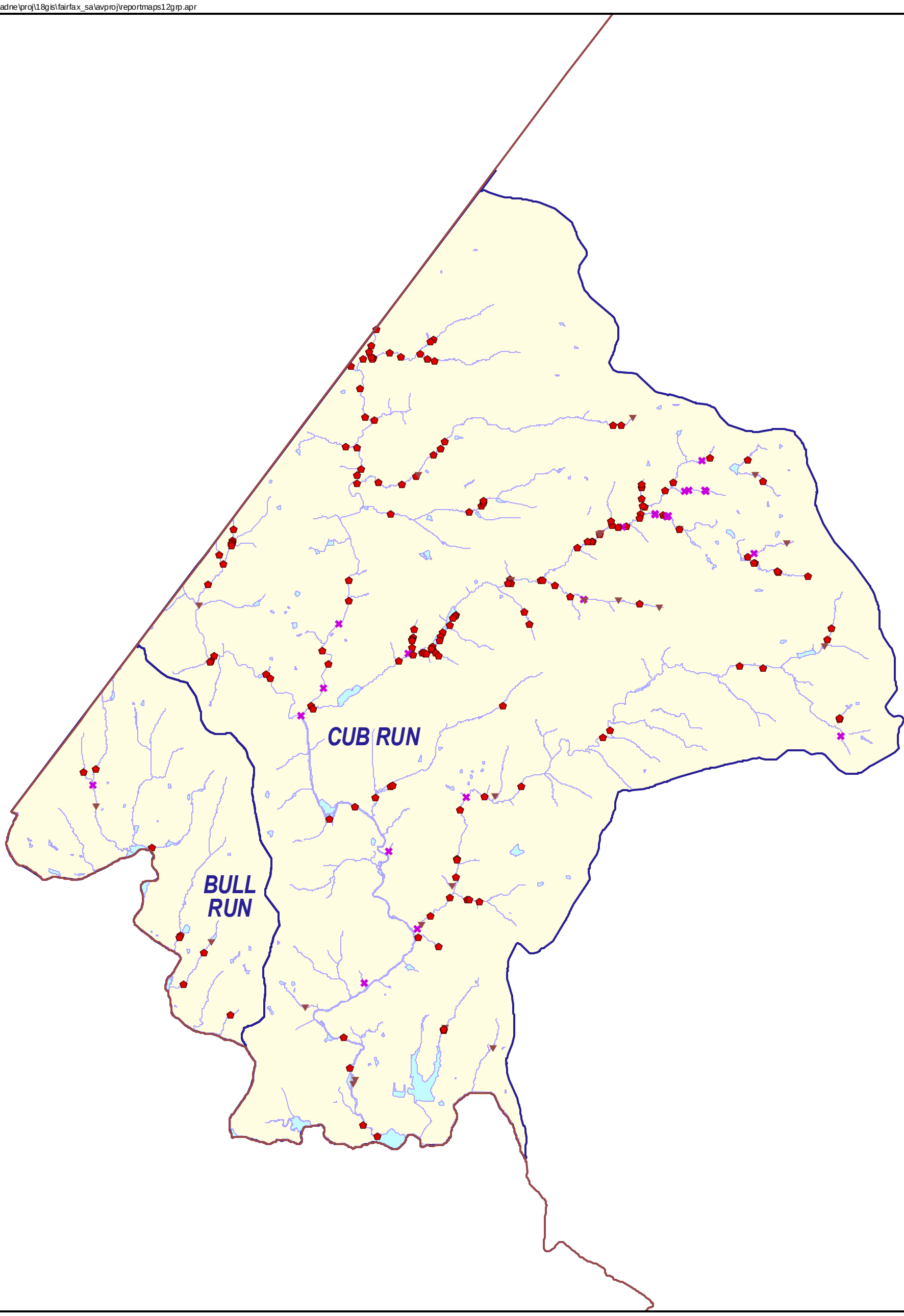

Inventory Types
- Dump
- Obstruction
- Utility

- Fairfax County Boundary
- Lakes and Ponds
- Streams
- Watersheds

WATERSHED GROUP:
UPPER BULL RUN

N

0 3000 6000 9000 12000 Feet

Figure 3-65
Dumps, Obstructions, and Utilities
Upper Bull Run Group
Fairfax County Stream Physical Assessment

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