

4. **Article Two, B.5- Water Quality Monitoring (“WQM”) Plan – Report on whether any of the semi-annual (or annual) WQM required under Article Two, B.5, was conducted during the quarter, and if so, in which sewer basins, and report the results of that monitoring (both BST and fecal coliform) for each such sewer basin.**

The first full round of water quality samples was collected on March 28, 2007. All sewer basins were sampled (semi-annual and annual). Results are presented below. No human source fecal bacteria were identified in any samples.

A limited round of water quality samples, from four stations in the Anacostia River watershed, was collected on June 25, 2007. Results will be reported in the Third Quarter of 2007.

**Basins Subject to Semi-Annual Monitoring and Reporting Requirements:**

**BST Results:**

**Fecal Bacteria Results:**  
(*Enterococcus* CFU/100mL)

**a. Broad Creek-**

BRC001 – downstream (Henson Creek)	<b>Human – 0%</b> Avian – 29% Canine – 12% Deer – 9% Misc. Wildlife – 27% Non-human Unknown – 23%	30
BRC002 – upstream (Henson Creek)	<b>Human – 0%</b> Avian – 37% Canine – 17% Deer – 13% Misc. Wildlife – 14% Non-human Unknown – 19%	47

**b. Cabin John-**

CBJ001 – downstream	<b>Human – 0%</b> Avian – 36% Deer – 13% Misc. Wildlife – 26% Non-human Unknown – 25%	22
CBJ002 – upstream	<b>Human – 0%</b> Avian – 41% Deer – 16% Misc. Wildlife – 32% Non-human Unknown – 11%	46

**c. Horsepen-**

HSP001 – downstream	<b>Human – 0% (0%)</b> Avian – 33% (29%) Canine – 12% (14%) Deer – 8% (11%) Horse – 21% (23%) Misc. Wildlife – 20% (15%) Non-human Unknown – 6% (8%)	920 (896)
HSP002 – upstream	<b>Human – 0%</b> Avian – 24% Canine – 6% Deer – 9% Horse – 14% Misc. Wildlife – 29% Non-human Unknown – 18%	134

Note: Values in parentheses for station HSP001 are for field duplicate sample.

**d. Indian Creek-**

INC001 – downstream	<b>Human – 0%</b> Avian – 26% Canine – 11% Deer – 15% Horse – 17% Misc. Wildlife – 21% Non-human Unknown – 10%	39
INC002 – upstream	<b>Human – 0%</b> Avian – 35% Deer – 9% Misc. Wildlife – 42% Non-human Unknown – 14%	25

**e. Little Falls-**

LFS001 – downstream	<b>Human – 0%</b> Too few bacteria for non-human BST source determination	13
LFS002 – upstream	<b>Human – 0%</b> Avian – 26% Canine – 9% Deer – 11% Misc. Wildlife – 44% Non-human Unknown – 10%	30

**f. Lower Anacostia-**

ANA001 – downstream	<b>Human – 0%</b> Avian – 35% Canine – 7% Deer – 11% Misc. Wildlife – 27% Non-human Unknown – 20%	45
ANA002 – upstream	<b>Human – 0%</b> Avian – 41% Canine – 9% Misc. Wildlife – 33% Non-human Unknown – 17%	44

**g. Lower Beaverdam Creek-**

LBD001 – downstream	<b>Human – 0%</b> Avian – 18% Canine – 6% Deer – 12% Misc. Wildlife – 34% Non-human Unknown – 30%	32
LBD002 – upstream	<b>Human – 0%</b> Avian – 21% Deer – 16% Misc. Wildlife – 43% Non-human Unknown – 20%	29

**h. Muddy Branch-**

MDB001 – downstream	<b>Human – 0%</b> Too few bacteria for non-human BST source determination	<10
MDB002 – upstream	<b>Human – 0%</b> Avian – 32% Canine – 6% Deer – 8% Misc. Wildlife – 30% Non-human Unknown – 24%	51

**i. Northeast Branch-**

NEB001 – downstream	<b>Human – 0%</b> Avian – 27% Canine – 6% Deer – 17% Misc. Wildlife – 33% Non-human Unknown – 17%	62
NEB002 – upstream	<b>Human – 0%</b> Avian – 36% Canine – 13% Misc. Wildlife – 32% Non-human Unknown – 19%	70

**j. Northwest Branch-**

NWA001 – downstream	<b>Human – 0%</b> Avian – 25% Canine – 22% Deer – 8% Misc. Wildlife – 26% Non-human Unknown – 19%	24
NWA002 – upstream	<b>Human – 0% (0%)</b> Avian – 37% (34%) Deer – 21% (23%) Misc. Wildlife – 30% (33%) Non-human Unknown – 12% (10%)	32 (31)

Note: Values in parentheses for station NWA002 are for field duplicate sample.

**k. Oxon Run-**

OXN001 – downstream	<b>Human – 0%</b> Avian – 21% Canine – 4% Deer – 11% Misc. Wildlife – 47% Non-human Unknown – 17%	57
OXN002 – upstream (Watts Branch)	<b>Human – 0% (0%)</b> Avian – 24% (22%) Canine – 14% (16%) Deer – 9% (11%) Misc. Wildlife – 40% (39%) Non-human Unknown – 13% (12%)	185 (181)

Note: Values in parentheses for station OXN002 are for field duplicate sample.

**l. Paint Branch-**

PNT001 – downstream	<b>Human – 0% (0%)</b> Avian – 26% (24%) Canine – 17% (16%) Deer – 21% (25%) Misc. Wildlife – 23% (19%) Non-human Unknown – 13% (16%)	53 (51)
PNT002 – upstream	<b>Human – 0%</b> Avian – 28% Canine – 4% Deer – 23% Misc. Wildlife – 33% Non-human Unknown – 12%	37

Note: Values in parentheses for station PNT001 are for field duplicate sample.

**m. Parkway-**

PKY001 – downstream (Bear Branch)	<b>Human – 0%</b> Avian – 24% Canine – 17% Deer – 15% Misc. Wildlife – 31% Non-human Unknown – 13%	103
PKY002 – upstream (Walker Branch)	<b>Human – 0%</b> Too few bacteria for non-human BST source determination	19

**n. Pisacataway-**

PSW001 – downstream	<b>Human – 0%</b> Avian – 29% Deer – 20% Misc. Wildlife – 38% Non-human Unknown – 13%	30
PSW002 – upstream	<b>Human – 0%</b> Too few bacteria for non-human BST source determination	16

**o. Rock Creek-**

RKC001 – downstream	<b>Human – 0%</b> Too few bacteria for non-human BST source determination	<10
RKC002 – upstream	<b>Human – 0%</b> Avian – 21% Deer – 23% Misc. Wildlife – 39% Non-human Unknown – 17%	244

**p. Seneca Creek-**

SNC001 – downstream	<b>Human – 0% (0%)</b> Too few bacteria for non-human BST source determination	<10 (<10)
SNC002 – upstream	<b>Human – 0%</b> Avian – 28% Deer – 18% Misc. Wildlife – 42% Non-human Unknown – 12%	46

Note: Values in parentheses for station SNC001 are for field duplicate sample.

**q. Sligo Creek-**

SLC001 – downstream	<b>Human – 0% (0%)</b> Avian – 21% (23%) Canine – 24% (26%) Deer – 7% (8%) Misc. Wildlife – 31% (30%) Non-human Unknown – 17% (13%)	113 (106)
SLC002 – upstream	<b>Human – 0%</b> Avian – 30% Canine – 6% Deer – 19% Misc. Wildlife – 33% Non-human Unknown – 12%	179

Note: Values in parentheses for station SLC001 are for field duplicate sample.

**r. Upper Beaverdam Creek**

UBD001 – downstream	<b>Human – 0%</b> Avian – 32% Deer – 23% Misc. Wildlife – 31% Non-human Unknown – 14%	81
UBD002 – upstream	<b>Human – 0%</b> Avian – 26% Canine – 6% Deer – 17% Misc. Wildlife – 33% Non-human Unknown – 18%	48

**s. Watts Branch-**

WTB001 – downstream	<b>Human – 0%</b> Too few bacteria for non-human BST source determination	<10
WTB002 – upstream	<b>Human – 0%</b> Too few bacteria for non-human BST source determination	<10

**t. Western Branch-**

WNB001 – downstream	<b>Human – 0%</b> Avian – 47% Canine – 5% Deer – 6% Misc. Wildlife – 27% Non-human Unknown – 15%	52
WNB002 – upstream	<b>Human – 0%</b> Avian – 34% Deer – 17% Misc. Wildlife – 32% Non-human Unknown – 17%	40

**Basins Subject to an Annual Monitoring and Reporting Requirements-****BST Results:****Fecal Bacteria Results:***(Enterococcus CFU/100mL)***a. Dulles Interceptor-**

DSI001	<b>Human – 0%</b> Avian – 26% Deer – 18% Misc. Wildlife – 33% Non-human Unknown – 23%	41
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**b. Mattawoman-**

MTW001	<b>Human – 0%</b> Too few bacteria for non-human BST source determination	<10
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**c. Monacacy-**

MCY001	<b>Human – 0%</b> Avian – 28% Canine – 12% Deer – 16% Misc. Wildlife – 31% Non-human Unknown – 13%	43
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**d. Patuxent Center-**

PTC001 (Mill Branch)	<b>Human – 0%</b> Avian – 32% Deer – 21% Misc. Wildlife – 35% Non-human Unknown – 12%	44
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**e. Patuxent North-**

PTN001 (Hawlings River)	<b>Human – 0%</b> Avian – 20% Canine – 16% Deer – 16% Misc. Wildlife – 33% Non-human Unknown – 15%	214
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**f. Rock Run-**

RCM001	<b>Human – 0%</b> Avian – 26% Canine – 8% Deer – 14% Misc. Wildlife – 38% Non-human Unknown – 14%	29
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