

- 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.**

A limited round of water quality samples was collected on June 14, 2011. Because WSSC received the results of this sampling on October 4, 2011, subsequent to the submission of the Quarterly Report for the Second Quarter of 2011, WSSC is including the results of that sampling in this Quarterly Report. The quarterly sampling from one station in each of four sewer basins is supplemental to the annual and semi-annual sampling program. Human source fecal bacteria were identified in two of the four sampling locations. Results are presented below.

The WSSC has completed the four-year trial of additional quarterly sampling at four locations in the Anacostia watershed. The supplemental sampling is not a requirement of the Consent Decree, but was offered by the WSSC to assist the Anacostia Watershed Society (AWS) with meeting their water quality sampling goals. We plan to share the results of this additional sampling with the AWS and the friends of Sligo Creek (FOSC) in the near future.

A semi-annual round of water quality samples was collected on November 2, 2011, when twenty of the twenty-six sewer basins were sampled. Results will be reported in the Fourth Quarter of 2011.

Basins Subject to Semi-Annual Monitoring and Reporting Requirements:

- | | BST Results: | Fecal Bacteria Results: |
|----------------------------|---------------------|--------------------------------|
| a. Broad Creek- | | |
| b. Cabin John- | | |
| c. Horsepen- | | |
| d. Indian Creek- | | |
| e. Little Falls- | | |
| f. Lower Anacostia- | | |

	BST Results:	Fecal Bacteria Results: (<i>Enterococcus</i> CFU/100ml)
ANA001 – downstream	Human – 6% Avian – 26% Canine – 17% Deer – 13% Misc. Wildlife – 24% Non-human Unknown – 14%	175

- g. **Lower Beaverdam Creek-**
- h. **Muddy Branch-**
- i. **Northeast Branch-**

	BST Results:	Fecal Bacteria Results: (<i>Enterococcus</i> CFU/100ml)
NEB001 – upstream	Human – 0% (0%) Avian – 33% (33%) Canine – 11% (10%)	205 (195)

	Deer – 12% (12%) Misc. Wildlife – 27% (28%) Non-human Unknown – 17% (17%)	
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Note: Value in parenthesis for station NEB001 is for field duplicate sample.

j. Northwest Branch-

BST Results:

Fecal Bacteria Results:

(Enterococcus CFU/100ml)

NWA001 – downstream	Human – 0% Avian – 32% Canine – 9% Deer – 11% Misc. Wildlife – 26% Non-human Unknown – 22%	90
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k. Oxon Run-

l. Paint Branch-

m. Parkway-

n. Piscataway-

o. Rock Creek-

p. Seneca Creek-

q. Sligo Creek-

BST Results:

Fecal Bacteria Results:

(Enterococcus CFU/100ml)

SLC001 – downstream	Human – 9% Avian – 27% Canine – 12% Deer – 14% Misc. Wildlife – 23% Non-human Unknown – 15%	370
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r. Upper Beaverdam Creek-

s. Watts Branch-

t. Western Branch-

Basins Subject to Annual Monitoring and Reporting Requirements:

BST Results:

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

- a. **Dulles Interceptor-**
- b. **Mattawoman-**
- c. **Monacacy-**
- d. **Patuxent Center-**
- e. **Patuxent North-**
- f. **Rock Run-**