

- 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 November 18, 2009. 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 the sample from one sewer basin. Results are presented below.

The 2010 annual round of water quality samples was collected on April 13, 2010, when all twenty-six sewer basins were sampled. Results will be reported in the Second Quarter of 2010.

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 – 4% Avian – 35% Canine – 17% Deer – 11% Misc. Wildlife – 21% Non-human Unknown – 12%	53

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 – 34% (33%) Canine – 10% (11%) Deer – 15% (13%) Misc. Wildlife – 30% (31%) Non-human Unknown – 11% (12%)	32 (36)

Note: Values in parentheses for station NEB001 are for field duplicate sample.

j. Northwest Branch-

	BST Results:	Fecal Bacteria Results: (<i>Enterococcus</i> CFU/100ml)
NWA001 – downstream	Human – 0% Avian – 40% Canine – 8% Deer – 7% Misc. Wildlife – 25% Non-human Unknown – 20%	45

k. Oxon Run-

l. Paint Branch-

m. Parkway-

n. Piscataway-

- o. Rock Creek-**
- p. Seneca Creek-**
- q. Sligo Creek-**

	BST Results:	Fecal Bacteria Results: <i>(Enterococcus CFU/100ml)</i>
SLC001 – downstream	Human – 0% Avian – 37% Canine – 9% Deer – 14% Misc. Wildlife – 27% Non-human Unknown – 13%	39

- r. Upper Beaverdam Creek-**
- s. Watts Branch-**
- t. Western Branch-**

Basins Subject to Annual Monitoring and Reporting Requirements:

- | | BST Results: | Fecal Bacteria Results:
<i>(Enterococcus CFU/100ml)</i> |
|-------------------------------|---------------------|---|
| a. Dulles Interceptor- | | |
| b. Mattawoman- | | |
| c. Monacacy- | | |
| d. Patuxent Center- | | |
| e. Patuxent North- | | |
| f. Rock Run- | | |