Water Quality Project Framework (Tuesday’s Trip – October 6, 2015)

Area 1: Broad Run Confluence

General Observations/Land-Use/Application

Site A: Upstream Broad Run (All 3 Chemical Groups tested this spot so no data for Site B or C)

Description and Specific Observations

 Physical Data

 Biological Data

 Chemical Data

Site B: Downstream Broad Run Confluence

Description and Specific Observations

 Physical Data

 Biological Data

Site C: Upstream Broad Run (around bend)

Description and Specific Observations

 Physical Data

 Biological Data

Area 1: Broad Run Confluence Analysis

Water Quality Assessment

 Discuss patterns; Rationalize (Cite Specific References)

 Adjacent land-use/application impacts

Area 2: 842 Bridge “Drop/Riffle”

General Observations/Map Analysis

Site A: Upstream Drop/Riffle

Description and Specific Observations

 Physical Data

 Biological Data

 Chemical Data

Site B: Downstream Drop/Riffle

Description and Specific Observations

Physical Data

 Biological Data

 Chemical Data

Site C: Farther Downstream Drop/Riffle (“The Flats”)

Description and Specific Observations

 Physical Data

 Biological Data

 Chemical Data

Area 2: 842 Bridge Analysis

Water Quality Assessment

 Discuss patterns; Rationalize (Cite Specific References)

 Adjacent land-use/application impacts

Area 3: East-West Branch Brandywine Confluence (Shaw’s Bridge Park; Rte. 164)

General Observations/Map Analysis

Site A: Upstream Confluence (Note only Chemical Data was taken for this Area)

Description and Specific Observations

 Chemical Data

Site B: Downstream (Note only Chemical Data was taken for this Area)

Description and Specific Observations

 Chemical Data

Site C: Upstream on the East Branch (Note all physical and biological groups tested this area)

Description and Specific Observations

Physical Data

 Biological Data

 Chemical Data

Area 3: East-West Branch Brandywine Confluence Analysis

Water Quality Assessment

 Discuss patterns; Rationalize (Cite Specific References)

 Adjacent land-use/application impacts

Cumulative Analysis

 Summarize data from Areas 1 + 2+ 3

 Water Quality Assessment

 Discuss patterns; Rationalize (Cite Specific References)

 Adjacent land-use/application impacts