

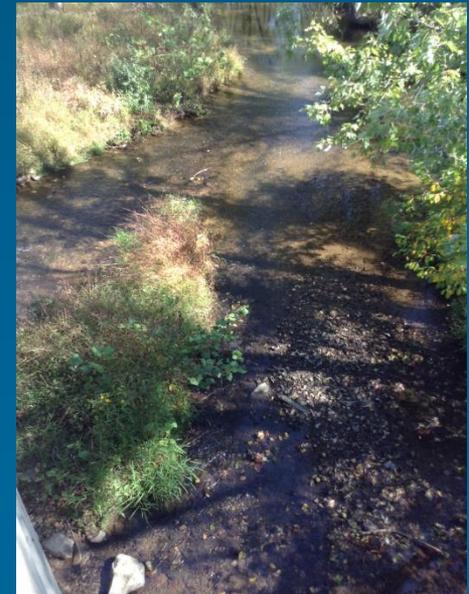
Benthic Total Maximum Daily Load Study for North Fork Catoctin Creek

**Technical Advisory Committee Meeting #1
May 20, 2015**

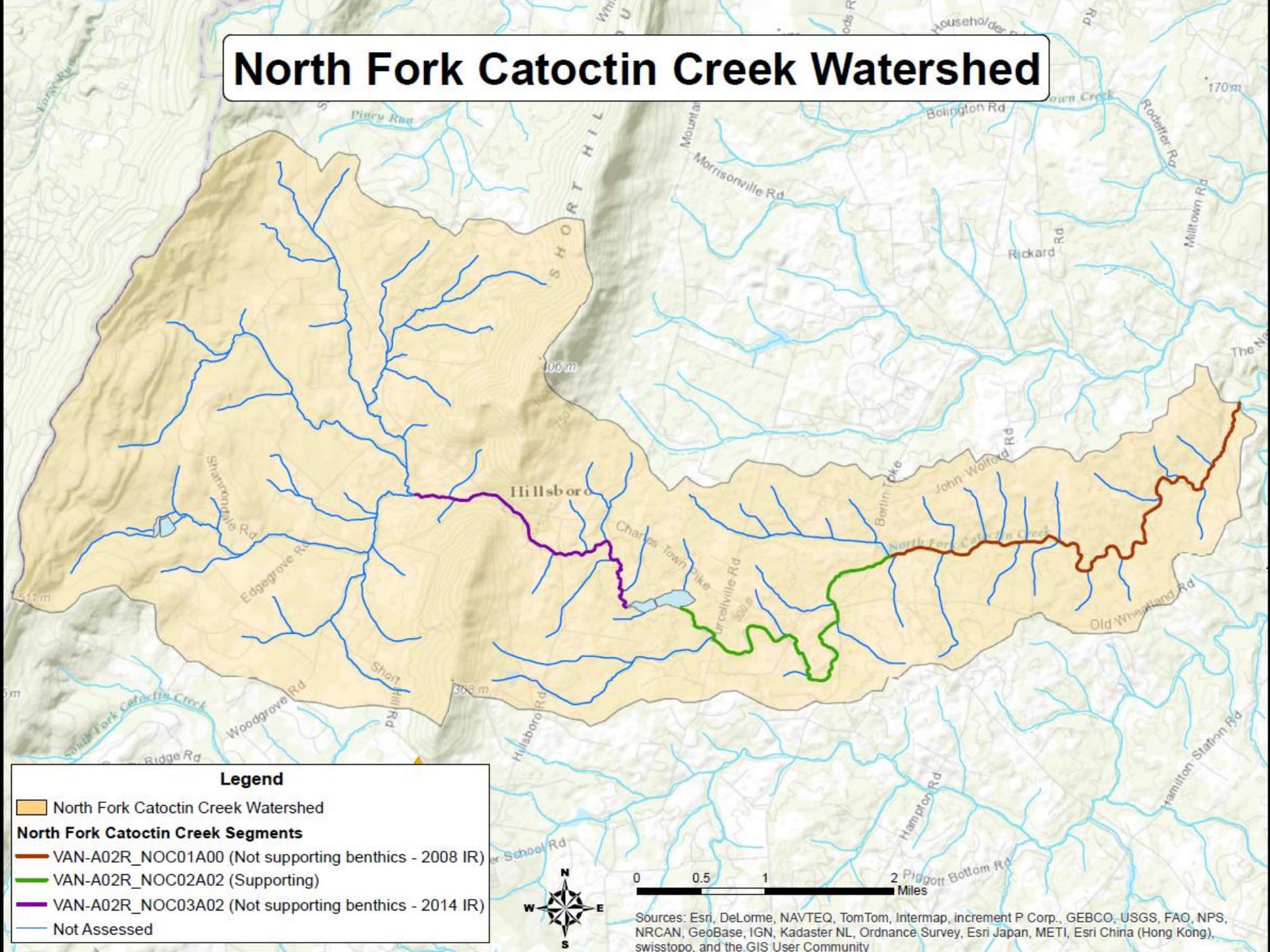


Meeting Agenda

1. **Introductions**
2. **Overview of Water Quality & TMDL Development Process**
3. **North Fork Catoctin Creek Impairment Information**
4. **Stressor Analysis Overview**
5. **Data Analysis**
6. **Project Schedule and Plan**
7. **Questions & Discussion**



North Fork Catoctin Creek Watershed



Legend

North Fork Catoctin Creek Watershed

North Fork Catoctin Creek Segments

VAN-A02R_NOC01A00 (Not supporting benthics - 2008 IR)

VAN-A02R_NOC02A02 (Supporting)

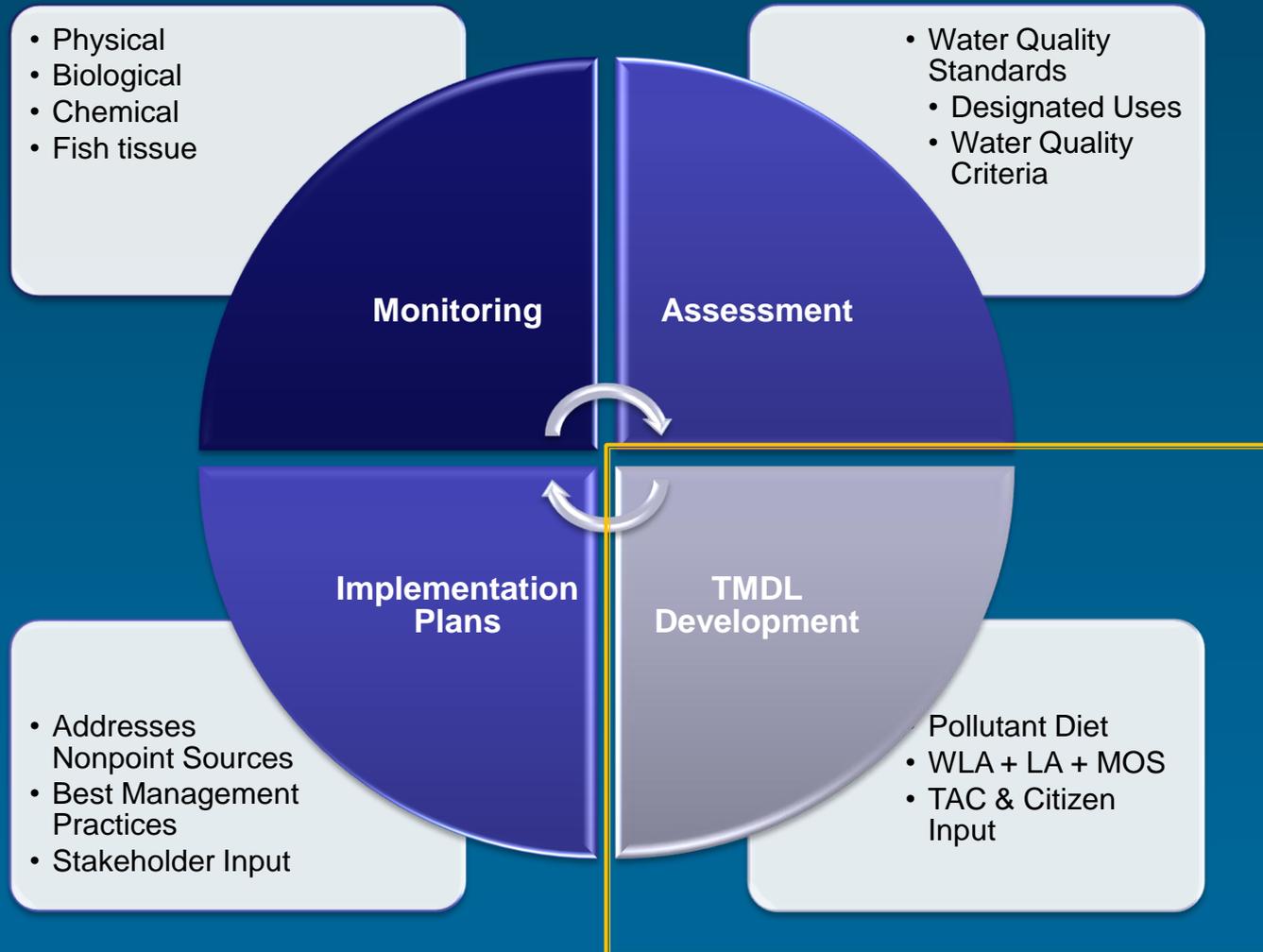
VAN-A02R_NOC03A02 (Not supporting benthics - 2014 IR)

Not Assessed

0 0.5 1 2 Piggott Bottom Rd
Miles

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Water Quality Information Process



Who is involved in the TMDL development process?

- DEQ :** Lead agency for TMDL development
- Contractor:** Performs technical support for TMDL development process, for this project, contractor is Virginia Tech – Biological Systems Engineering Department (VT-BSE)
- TAC:** Representatives from state and local governments, watershed groups, planning district commission, soil and water conservation districts, etc. Provides technical input and information for TMDL development
- Citizens:** Any citizen who wishes to participate in the project; provide local knowledge and information

Technical Advisory Committee

- Is a public body – announced meetings and open to the public
- Members are determined by DEQ
- Meeting announcement posted on VA Town Hall at least 3 days in advance of the meeting date and on DEQ website
- Minutes of the advisory group meeting posted on VA Town Hall within 10 workdays and include:
 - Meeting location information
 - Members of the group present & absent
 - Summary of topics discussed & decisions made (if any)

Designated Uses

- Shellfish
- Public Water Supply
- Recreation
- Wildlife
- Fish Consumption
- Aquatic Life



The attainment of the aquatic life use is evaluated by testing for the health of the benthic macroinvertebrate community, as well as for parameters such as DO and pH.

Aquatic Life Use: What are benthic macroinvertebrates?

Aquatic invertebrates that live on the bottom of streams, rivers, and other bodies of water.



**Pollution
Intolerant
Invertebrates**



**Moderately
Pollution
Tolerant
Invertebrates**



**Highly Pollution
Tolerant
Invertebrates**



The Stressor Analysis as the Crossroads For Decision-Making



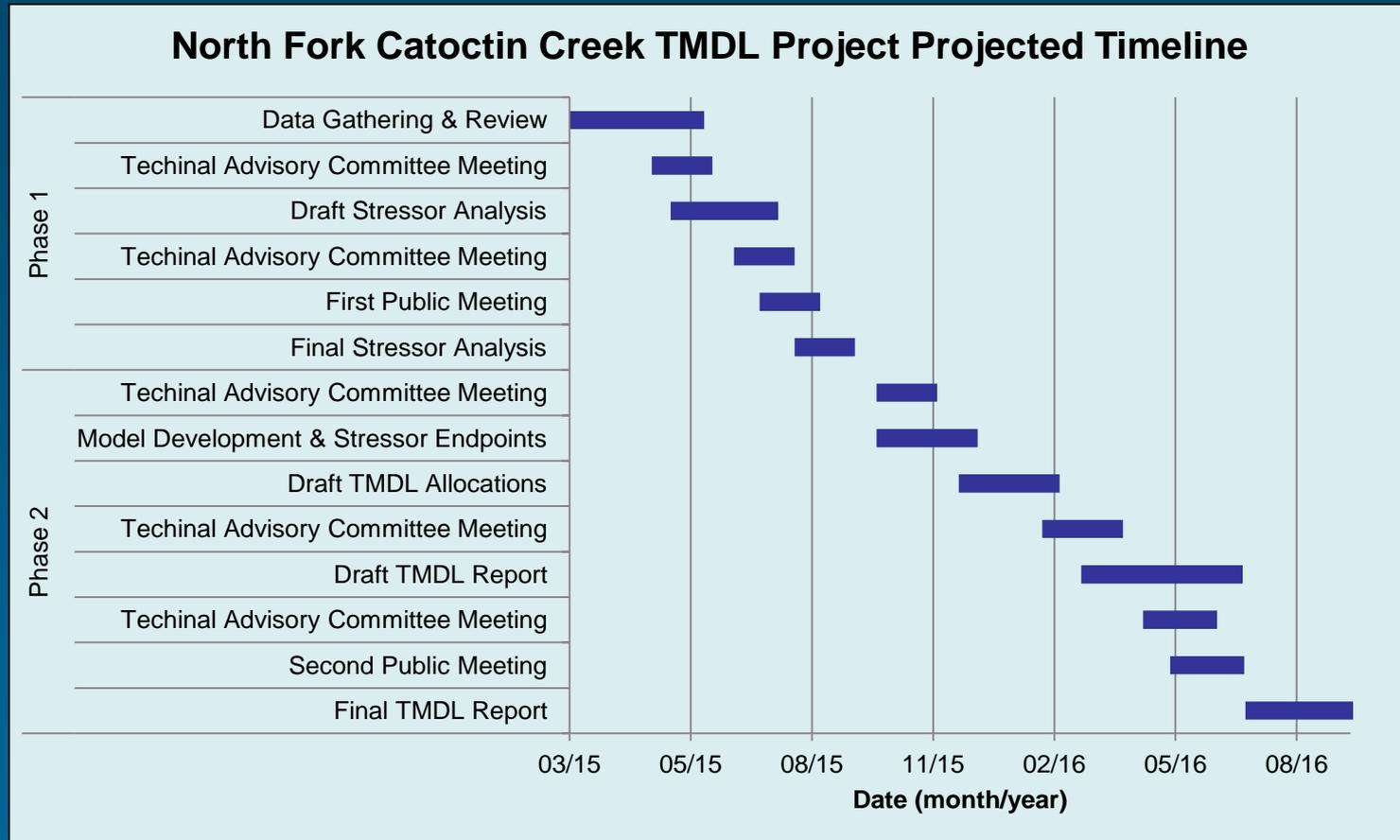
North Fork Catoctin Project Plan

Phase 1: Stressor Analysis & Watershed Characterization

Target completion date September 2015

Phase 2: TMDL development

Target completion date August 2016



What next?

- Share data – by June 1
- Draft Stressor Analysis document – July 2015

Questions? Comments?

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