

The list of topics is evolving from in-person meetings thus far with

- VADEQ
- VA USGS
- PADEP
- SRBC
- PA USGS
- MD DNR
- WV DEP

Still organizing visits with

- DNREC
- Washington DC
- MD-DC-DE USGS

Sampling protocols and maintaining network-wide consistency and accountability:

- Common issues and solutions
 - E.g. Karst region sampling challenges
- Uncommon issues and solutions
 - Government shutdowns – protocols
- Training –
 - Recommendations for schedule, opportunities (e.g. tie into annual Shepherdstown meeting location?), specifics (traditional long term sites versus common location and maintenance), define staff support needed, funding needed, and who runs the trainings.
 - Can we establish a train-the-trainer program?
- Equipment
 - What is new with equipment
 - What might require updates on techniques
- Field audits

Data management

- R-programming support needs from CBP (PADEP note)
- Water temperature data – USGS is pulling together all the water temp data it can find. Got data?

Quality assurance

- Laboratory performance and inter-lab comparisons

Extreme event sampling and coordination

- Flood
- Drought
- Cold weather

Periodic updates on Network

- Changes in sampling network
 - Status of continuous monitoring station growth
 - Status of consistency for continuous monitoring data collection, assessments
 - Updates on surrogate modelling with con-mon.
 - Endangered gage assessment
 - Partner support documentation
 - Precipitation sites for the watershed?
- Presentation of network results
 - Success stories
 - Opequon
 - PA – mine drainage management/stream Clean Water Act delistings
 - Other results – flow effects
 - E.g. Mill Creek and pumping of groundwater effects streams
- Special studies
 - Pesticides
 - Hormones
 - Microplastics
 - Bacteria
 - Salinization of streams – are we collecting the right data for tracking patterns in space and time to link with explaining space-time patterns of living resource status and trends, i.e., bugs
 - York county assessments
 - Restoration project reports
 - E.g., Dam removals – nutrient, sediment and living resource changes
 - E.g., Accounting for acid mine drainage impacted stream restorations (PADEP indicated they have had some significant miles of improvements. Let's be sure it is documented and available to the partnership).
 - Satellite image assessments of algal populations in rivers
 - E.g. Susquehanna river assessments
 - Stream metabolism studies
 - E.g. WVDEP-USGS
 - BMP specific assessments
- State Integrated monitoring networks – opportunities for sentinel site network development or better integration of analyses with local integrated networks.
 - E.g. PADEP Contaminants of Environmental Concern assessment
 - Looking forward to a PA report on their initial findings in the state
 - E.g. MD Core trend network
 - Where are the opportunities to collect more diverse data at long term monitoring sites?
 - E.g. eDNA sampling for fish like brook trout
 - E.g., local site assessments of physical habitat with banks, floodplain connectivity, riparian zones, etc.
 - Benthic macroinvertebrate samples are needed across the watershed for the CBP stream health assessment/IBI model calibration – let's review gaps in sampling and consider where sample collections would fill gaps while being coordinated with existing long term WQ monitoring sites to support explainability assessments over time.
 - Groundwater network integration?
- Analyses

- Progress on merging high and low frequency data streams?