

National Environmental Methods Index & Methods and Data Comparability Board

Dan Sullivan

Methods Board co-chair

USGS Wisconsin Water Science Center



NEMI Activities

- USGS CDI Protocol Library Comparison
- NEMI 4.0
- Integration into Water Quality Portal
- NEMI-MEMO (sensors)
- NEMI-CBR (Water Security)
- NEMI-SAMs

USGS Community for Data Integration (CDI)

- Promote Bureau-wide data management and integration
- CDI Protocol Library Comparison
 - Promote existence of protocol and method libraries
 - Increase content input
 - Identify commonalities -- > promote interoperability, increase efficiencies, minimize redundancy
 - NEMI one of 3 systems being dissected

CDI Protocol Library Comparison

	NEMI	MonitoringMethods.org	NRMP's MPL
Content Type	Methods (some Protocol info)	Methods and Protocols	Protocols only
Main Content Theme	Chemical and Microbiological	Aquatic Monitoring in the PNW	Terrestrial Biology & Ecology
Initial Funding Source	USGS and EPA	Bonneville Power Admin. and Gordon and Betty Moore Foundation	USGS NBII
Site Maintenance	Methods and Data Comparability Board (MDCB)	PNAMP and Sitka Technology Group	NA

Outcomes – CDI Protocol Library comparison

- Merge systems
- Use web services to provide wider access to existing systems
- Some combination of the above
- Lack of funding

NEMI 4.0

- Functional and Visual Update
- Improve useability
- “Brand” site as a Council product
- Compatible with mobile devices
- Integrate new method categories (stats, sensors, protocols)
- Site maintenance features greatly enhanced

Provisional - Site in review

NEMI

National Environmental Methods Index

Home | Browse All Methods | Search | Statistical Methods | MEMO (Sensors) | About NEMI

Summary of Method AFS SD Trout

Method Information	Description: trout stream Official Method Revision
Media	WATER
Method Subcategory	Population
Method Source	AFS
Citation	American Fisheries Society - Southern Division: Trout Committee. 1992. Standardized Sampling Guidelines for Wadeable Trout Streams
Brief Method Summary	These guidelines constitute an attempt to standardize trout stream sampling procedures and promote data exchange among the various natural resource management agencies represented by members of the American Fisheries Society, Southern Division Trout Committee. Compliance with these guidelines is strictly voluntary, although it is anticipated that widespread acceptance of the concept of standardized trout stream sampling procedures

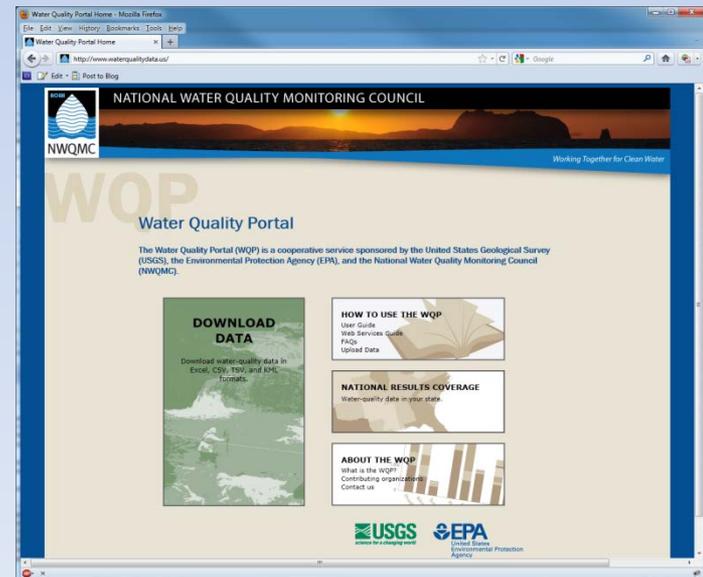
Media

The categories of media are Water, Air, Soil/Sediment, and Other. The last category (Other) includes methods that are applicable to a unique medium (e.g., Steam), or to a variety of media (e.g., Water and Soil). Method summaries will specify applicable media and matrices (if available).



NEMI Integration with Water Quality Portal

- Ongoing coordination with WQP
- Investigating techniques for implementation and hurdles to overcome
- Response to customer needs
- Possibly modeled after ARS STEWARDS database



NEMI-MEMO

- Site will be “branded” as a Council product
- Integrate information on sensor use, including protocols
- Will be a focus of the November meeting for the Methods Board



NEMI-CBR

- Integrated into Water Contaminant Information Toolbox (WCIT) in 2010
- Completed updated of the CBR Advisor in Sept. 2012
- Ongoing updates to NEMI-CBR (methods component of WCIT)

Sensors Workgroup

- Workgroup needs a re-boot
- Use watersensors.org in conjunction with NEMI-MEMO as basis for further products
- Common SOPs have been identified as a need, but at what level of detail?

Status of other activities

- Green methods: This effort may end due to lack of interest
- Sensors data elements: Being prepared for submittal to ACWI (will be presented at Nov. Council meeting for Council approval)

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- Doug McLaughlin, Leslie McGeorge, and the WIS workgroup



1, USGS Wisconsin Water Science Center &
Center for Integrated Data Analytics

2, Texas CEQ