DWH NRDA Restoration Data Management Framework

Definition of Monitoring Data and Info (TC SOP 10.6.1)

Monitoring data include, but are not limited to,

- Datasets or model results collected, compiled, or utilized as part of DWH NRDA restoration
- Generated during any phase or component of restoration
- Project-specific monitoring or non-project specific data collection
Monitoring and Data Standards (TC SOP section 10.6.2)

- Established by the Cross-TIG MAM work group
- More in-depth list and description will be in the MAM Manual
- **Monitoring standards** will include, but are not limited to, parameters/metrics, performance criteria, and data collection protocols (further described in the MAM Manual).
- **Data standards** will include, but are not limited to, FGDC/ISO standard metadata, acceptable units, measurement precision (number of digits), a QA/QC process, a data dictionary, and a readme file.
- Coordination with other programs

MAM Plan: Data Management Sections

All MAM plans will include a description of how the monitoring data will be managed (i.e., QA/QC procedures, metadata, data sharing, and storage).
MAM Data Management Steps Defined in TC SOP

- MAM Data Review and Clearance (TC SOP 10.6.4)
- MAM Data Storage and Accessibility (TC SOP 10.6.5)
- MAM Data Sharing (TC SOP 10.6.6)
- MAM Data Analysis and Synthesis (TC SOP 10.6.7)

MAM Data Review and Clearance

- Data should go through the appropriate QA/QC process in accordance with the data management section of the monitoring plan.
- Implementing Trustees will verify and validate MAM data and information.
- Submitting Trustee will provide other TIG members time to review the data before data becomes public.
MAM Data Storage and Accessibility

- DIVER (Restoration Portal) is the central repository and facilitates public access to restoration MAM data.
  - Trustees may also maintain records on other platforms.
    - Must explain data origin and long-term management and archiving
- MAM data stored and accessible within a year from when collected.
  - If not possible, explanation needed MAM plan

MAM Data Sharing

- The Trustees will follow standards and protocols set forth in the Open Data Policy*
- Throughout the calendar year, MAM data and information may be added to the Restoration Portal (DIVER) and made publicly available via the Trustee Council website

MAM Data Analysis and Synthesis

▪ Data from outside sources may be incorporated into analysis
  ▪ Outside sources need adequate metadata and meet minimum QA/QC standards.

▪ TIGs share MAM data aggregation and analysis responsibilities with each other, especially when Restoration Types overlap with geographic areas

Next Steps

MAM Manual Version 1.0
▪ Data Management section that starts to outline in more specificity some of our data standards and data management procedures

Building the capacity and functionality within DIVER for our MAM data