



# Progress Report: Interoperability and Data Synchronization – *“Initial Objectives”*

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Dave Briar – USGS  
Michael Perryman – USACE  
Edward Clark – NOAA-NWS



# Initial Objectives: Completed

## USGS NWIS/Rating Depot Enhancements:

- Ratings and Datum corrections synchronized to NWIS every 15 minutes, for all USGS Water Science Centers.
- NWIS Rating Depot user interface modified to allow querying in tenths of hours
- NWIS Web interface now supports querying by NWS Hydrologic Service Area (HAS). (NWS River Forecast Center and USACE District/Division token to follow by Jan 28)

## NWS Hydrometeorological Automated Data System (HADS)

### Response:

- Query Rating Depot at 15-minute interval to synchronize offset/shifts.



# Initial Objectives: In Progress

## OGC WaterML2.0-2 Interoperability Experiment

- USGS leading the US participation in the International Community development of rating data model standard
  - USGS will establish demonstration “server” in FY2014
  - NWS and USACE IDS members to qualitatively evaluate the data stream.

## Update DECODES software

- USGS to establish data service via rating depot/NWIS
- USACE to leverage the DECODES enhancements



# Initial Objectives: Projected for 2014

- USACE to Enhance the CWMS database to facilitate direct retrieval of:
  - time series data from NWIS
  - updated ratings from USGS Ratings Depot.
- USGS to explore provision of gage masking information (e.g. gages impacted by channel ice.)
- NWS to explore enhanced standardization of River Ice observations in support of USACE Ice Jam database.
- Continued Tri-Agency collaboration on system and data synchronization opportunities