

Wetland and Aquatic Research Center Data Management Plan Project Information

Title:

1954 Bathythermograph Data Rescue

BASIS+ Project Number:

(Personally identifiable information has been removed for this example)

PI:

John Smith

Start Date:

2016-08-17

End Date:

2017-01-20

Information Specialist:

(*Personally identifiable information has been removed for this example)

Information Specialist's email address:

(*Personally identifiable information has been removed for this example).

Abstract:

This data represents a small subset of a much larger collection of USGS bathythermograph slides and images from the Great Lakes region of the U.S. and Canada, focusing on bathythermograph data (temperature at depth) from 1954. To produce this data release, 1330 bathythermograph photographic prints were scanned and software was used to extract temperature and depth data from the scanned images. Resulting data was quality controlled for accuracy and published in accordance with USGS Fundamental Science Practices for data releases. The purpose of digitizing this subset of images is to provide better access to the data, and preserve information at risk of loss. Additionally, data regarding the resources and time required to preserve and release this legacy dataset will be used to better evaluate and prioritize future USGS legacy data preservation efforts, including preservation of the remaining USGS bathythermograph collection.

Will this project involve collaborators outside of WARC?

Yes.

Other collaborators:

USGS Great Lakes Science Center, USGS Fort Collins Science Center)

Who will take ownership of the data at the end of this project?

USGS

Plan and Acquire

What type(s) of data will be collected or created?

Tabular observational data and photographic prints from original 1954 Bathythermograph gold/smoke plated etched glass plates

Will this project use existing datasets?

Yes.

Existing datasets:

Original temperature, depth, and cruise data were gathered in the field by the Bureau of Commercial Fisheries in the format of mechanical bathythermograph-etched slides. Over time this data has been transferred to the USGS Great Lakes Science Center. These data have been converted to photographic film and prints and will be stored and accessed through the DaR preservationist at the USGS Fort Collins Science Center.

Estimated volume of data that will be collected, acquired, transformed, and/or stored on WARC servers?

Megabytes.

Will this project use existing models and/or software?

No.

Describe and Manage Quality

Describe the data format in which the data or products will be collected and stored.

Digital prints and tabular

Document your proposed file naming conventions.

2016-08-17_BTDaR_database.

Will a version control system be used to track changes to project files?

Yes.

Version control managed through:

Google Docs

Who will be responsible for creating the project's metadata?

Metadata will be generated by Project Staff.

What procedures will be used to ensure data quality (QA/QC)?

- FGDC CSDGM Metadata standard
- Federal Agencies Digitization Guidelines Initiative (draft 2015)
- USGS bathythermograph users manual
- All printed photos are assumed correct in their printed format.
- Temperature, depth and cruise data that is collected from the scanned prints will be reviewed and verified by an additional preservation team member at a rate of 100% at the beginning to ensure data collection methods are being consistently applied and reducing over time as consistency is verified as preservation staff gain experience. We will tentatively follow the schedule below, adjusting as reviews/evaluations dictate.

Geospatial footprint:

Spatial footprint for this dataset described by the following file(s): Bathythermograph Data Cruise Paths, Great Lakes, 1954

Backup and Preservation

Where will the project research files and data be stored to ensure their safety?

The database will be maintained in Google Doc's, The original bathythermograph-etched glass slides are stored at the USGS Great Lakes Science Center, and the photo prints of bathythermograms are being stored in a secured, climate stable room at the USGS Fort Collins Science Center (Rm 1113) during preservation and publication, after which, they will be returned to their permanent storage at the GLSC.

Where will hardcopy notebooks, disk copies of data, and physical samples be stored?

The original bathythermograph-etched glass slides are stored at USGS Great Lakes Science Center

Backup protocols:

All data stored on a server (office shares such as "Shared", user shares, or project shares) and are all backed up by WARC IT staff. Full backup to tape once a month and incremental to disk every weekday night. Backup tapes are kept for 6 months before reuse.

What are the intended final format(s) of the data?

Tabular and photo prints

Is/are the format type(s) mentioned above appropriate for long-term preservation?

Yes.

Publish and Share

General access to project data will be provided through:

[Data will be available online through ScienceBase and the](#) metadata record will be accessible via USGS Science Data Catalog and data.gov. Web services will be made available as Web Map Service (WMS) or JSON.

Interpretive data will be published through the following method(s):

No data interpretation will be performed. New methods are not being used/developed for this project.

Non-interpretive data will be published through the following method(s):

Non-interpretive data will be released through ScienceBase as a data release.

Project policy for sharing of preliminary or provisional data:

- No early release of data as "provisional data" will be required
- No access controls or restrictions for end-user access will be applicable.
- All data accepted for the FY16 DaR project is USGS owned and therefore part of the public domain.

Will there be any restrictions on access to some or all of the data?

No.

Are there any deadlines or schedules for sharing your data as required by any funding entity?

2017-01-20

Other data considerations:
