The following was presented at DMT ‘14 (June 1-4, 2014 - Delaware Geological Survey, Newark, DE)

The contents of this document are provisional

See Presentations and Proceedings from the DMT Meetings (1997-2014)

http://ngmdb.usgs.gov/info/dmt/
Geologic data processing and delivery at the Alaska geological survey

Jennifer E. Athey and DGGS Staff
Our objectives

1. Disseminate geologic information produced by DGGS
2. Preserve and manage the Division’s geologic data
3. Enhance public awareness of Alaska’s natural resources and geologic hazards
DGGS Geologic Communications section
Section members by specialty

Information Technology

Data Management

Pubs and Outreach
DGGS publication output increasing

Big push to release legacy data

Alaska Division of Geological & Geophysical Surveys
How a publication is published

1) Pre-pub meeting
   - Should be done prior to work on the map
   - Schedule through Joni
2) Section Chief signs approval on info sheet
3) Author does GIS work and analytical data
   - Coordinate with Trish for GIS design and GIS help
   - Coordinate with Simone for analytical stuff (like tables)
4) Author gives Trish GIS files, Trish creates preliminary layout
   - See Map Sheet Checklist for what to "hand in" to Trish
   - Trish will check for topological errors, NCGMP09/FGDC compliance, etc.
   - Corrections to geodatabase may need to be made by author
   - Author will get to see preliminary layout before it goes to next step
5) Author gives manuscript to Joni
6) Paula completes first edit of text and map sheet
7) Section Chief approves map/text and makes comments
8) Author makes section chief corrections
   - Changes to geology must be made by author
   - Trish will make changes to layout and update most recent geology from author
9) Joni sends map to peer review
10) Peer reviews make comments and give back to Joni
11) Joni passes comments to authors
12) Author accepts comments or justifies not doing them, makes corrections
   - May require GIS work
13) Joni takes revised map to Paula for editing
14) Corrections are made
15) Final approval and comments from Author, Section Chief, Paula, and Director
16) Final corrections are made
   - May require GIS work
17) Publication number is assigned and put on map sheet
18) Joni publishes map
19) Geodatabase is converted to shape files
20) Simone works on metadata
21) Final D3 package is reviewed and approved
22) D3 is released

Data collection and analysis
Pre-pub meeting
GIS layout and data review
Edit of text and layout
Peer review
Final editing
Approvals
Metadata
Data is released
(Archiving)
### DGGS PUBLICATION PRIORITY LIST

<table>
<thead>
<tr>
<th>DGGS Priority</th>
<th>Author/ DGGS Herder</th>
<th>Pub Type</th>
<th>Working Title</th>
<th>Status</th>
<th>Step in Pub Process</th>
<th>Date Updated</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0</td>
<td>GILLIS</td>
<td>PIR</td>
<td>Iniskin Project (edited volume)</td>
<td>Paula completed first edit; back to Gillis for checking, then to reviewer.</td>
<td>11</td>
<td>2/12/2014</td>
<td>Energy</td>
</tr>
<tr>
<td>5.0</td>
<td>GILLIS</td>
<td>PI*</td>
<td>Sag bedrock geologic map</td>
<td>To Paula for edit.</td>
<td>25</td>
<td>4/23/2014</td>
<td>Energy</td>
</tr>
<tr>
<td>6.0</td>
<td>GREGersen</td>
<td>RI</td>
<td>Cook Inlet Mesozoic subcrop map</td>
<td>Laura working on GIS files; now her first priority. Met with Simone and Trish to talk about GIS organization. Andrea will put in NCGMP09 when she received files.</td>
<td>6</td>
<td>2/4/2014</td>
<td>Energy</td>
</tr>
<tr>
<td>7.0</td>
<td>HERRIOTT</td>
<td>RI</td>
<td>Gilead geologic map (Sag A-2 and B-2 quads)</td>
<td>Manuscript and figures ~85% complete; geologic map complete in GIS; the non-NCGMP09 GIS files were completed with direct input from Weakland; any attempt at standardizing this &quot;legacy&quot; map warrants further discussion between the publication and energy groups.</td>
<td>3</td>
<td>2/4/2014</td>
<td>Energy</td>
</tr>
<tr>
<td>8.0</td>
<td>Wartes</td>
<td>RI</td>
<td>North Slope Upper Cretaceous Stratigraphy (E North Slope)</td>
<td>Writing has not begun yet. Deadline for submission is Feb., 2014</td>
<td>0</td>
<td>2/4/2014</td>
<td>Energy</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>North Slope Compilation, Y-section (well)</td>
<td>Waiting introductory text by 2014</td>
<td>0</td>
<td>2/4/2014</td>
<td>Energy</td>
</tr>
</tbody>
</table>

### PUBLICATIONS PROCESS STEPS

1. Conduct pre-publication meeting to discuss all aspects of publication process.
3. Author coordinates GIS file design with Trish.
4. Author coordinates with Simone on design of any analytical data (CSVs or other tables). Author is provided template. Author expected to follow suggested format or discuss changes with Simone.
5. Author creates GIS or analytical files.
6. Author provides Trish with GIS files; Trish creates preliminary layout, give to Joni for first edit.
7. Author provides Simone with analytical data (CSV or other tabular data) for functionality check.
8. Author completes draft manuscript, notifies Joni that files are ready, provides peer reviewer info.
9. Joni checks manuscript formatting, references. Manuscript to Paula for first edit; provide directory information for other relevant files.
10. Paula completes first edit of text, figures, captions, tables. Works directly with Joni to resolve questions. Sends figures to Trish for review. Passes edited files on to Joni.
11. Joni/Paula ensure Trish receives figures. Trish works with author then passes final figures on to Joni.
12. Joni/Paula ensure Trish receives figures. Trish works with author then passes final figures on to Joni.
13. Author reviews edits, accepts good edits, submitts unacceptable edits, and returns to Paula.
GIS data standardization
Oracle + ArcSDE =

Alaska Division of Geological & Geophysical Surveys
Peer review, editing, and approvals
Publications database

Welcome to the DGGS Publications Database

Please select from the options below

- Add New Publication
- Edit Existing Publication
- Web Publishing
- Exit Application

Edit Publication

Publication information in the appropriate fields below.
- Click on the help icon next to the form field in question.

Citation Information

Title:
Reconnaissance for radioactive deposits in eastern Alaska, 1952

Authors:
- ALRCo.
- ALS Chemex
- ALS Minerals
- AMAX
- AMEX
- Nelson, A. E.
- West, W. S.
- Matzko, J. J.

Part of a larger work? Start page End page
- no

Price
- none
- $0.00

Published to the Web? Out of Print?
- Yes

DGGS Metadata Documentation

Contact: Simone Montayne, Geologist, Geologic Communications
Email: simone.montayne@alaska.gov
Phone: 451-5036

This page contains information that may be useful when you have questions about software that can be used to help you during the process. Metadata consists of data and is used to provide documentation for data products. It characterizes data and is used in the section below for more information. Starting May 2006, metadata will be distributed to allow maximum readability and usability: FAQ HTML, ASCII plain text, and XML formats can be found in the section "Documents, FAQs, and Examples."

Documents, FAQs, and Examples

**DGGS-Specific Information**

Please take the time to look through the documents below, as changes may have occurred since the last time you wrote metadata.

1. Detailed checklist and suggested workflow
2. Basic checklist (KP author) for quality-checking pores
3. Questions (PDF: 25Kb) that should be answered in metadata. The Data_Quality_Information section in your project.
4. The DGGS-specific changes (PDF: 24Kb) that have been incorporated into the template and extension to GEOCHRONOLOGY and GEOG run MP from the command line, this needs

### Theme Keywords
- Hatella
- High Pressure Mercury Injection Capillary Pressure
- Highest Hit Digital Surface Model (DSM)
- Highstand
- Hillshade Image
- Hippocrepina
- Historic Eruption
- Historic Mine
- Historic Resources
- Holmium
- Horizontal Gradient
- Hornblende
- Hornfels
- Hornor Hot Springs
- Horse Fossils
- Hot Springs

### Theme Choices
- Actisolite
- Hornor Hot Springs
- Historic Mine
Publication packaging

Archive Root Directory

**Step 1:** If the archive root directory indicated below is NOT correct, enter the Change Directory box and click the Change Directory button. To browse all archive directories, enter `/storage/library/` directly or email the D3 help team to determine the correct directory of your dataset.

/\storage/library/lidar

**Step 2:** Using Ctrl and/or Shift, like in Windows Explorer, drag and drop a single file or multiple files from the Library directory tree on the left onto the associated layer name in the right hand tree. Indexing all metadata files (.XML, .TXT, .FAQ.HTML) and unit code sets (if applicable) into the metadata layer is required.

**Step 3:** Files are shown here. To remove the files, click the Remove button and select the files.

DGGS Digital Data Distribution (D3) Application

Please enter your LDAP username and password to enter the Digital Geospatial Data Application. This is the same username and password used to access your email.

⚠️ Come back again soon!

**Username:**

**Password:**

Log In

Library Archive

- lidar
  - kenny
  - rdf2011-3
  - rdf2013-3
  - rdf2014-2
  - sync_to_pluto_exclude_list.txt
  - usgs

Indexed Files

Indexed files by layer

- Base Layer
- Overlays
- Web Map Service
- metadata
Data distribution paths

Arrows show the direction of contact

- Customer service
- Hard-copy library
- Online spatial data services
- Technical conferences
- Education outreach
- Website
- Free online pubs and data
- Social media and RSS feeds

DGGS

Alaska Division of Geological & Geophysical Surveys
Website development
Online information satisfies customers?

[Graph showing web page views (millions) from 2004 to 2013 with lines for public requests, information requests, and ask a geologist requests.]

Alaska Division of Geological & Geophysical Surveys
Meeting the demand for online data

![Graph showing publication sales and digital datasets downloaded over the years, with a peak in 2012 following the LiDAR data release.]

Alaska Division of Geological & Geophysical Surveys
“Scans of the CIRI-Anaconda maps acquired from the GMC will save my client over a hundred thousand dollars worth of helicopter-supported geological mapping this field season, allowing us to focus our efforts and free-up more funds for drilling and potential discovery.”

— Anonymous geologic consultant