DIGITAL MAPPING TECHNIQUES 2023

The following was presented at DMT'23
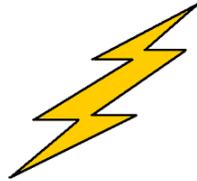## May 21 - 24, 2023

The contents of this document are provisional

See Presentations and Proceedings
from the DMT Meetings (1997-2023)

http://ngmdb.usgs.gov/info/dmt/

Developing, Maintaining, and Publishing Documentation Standards
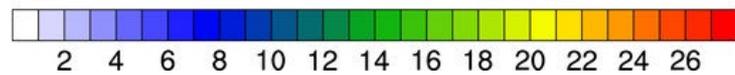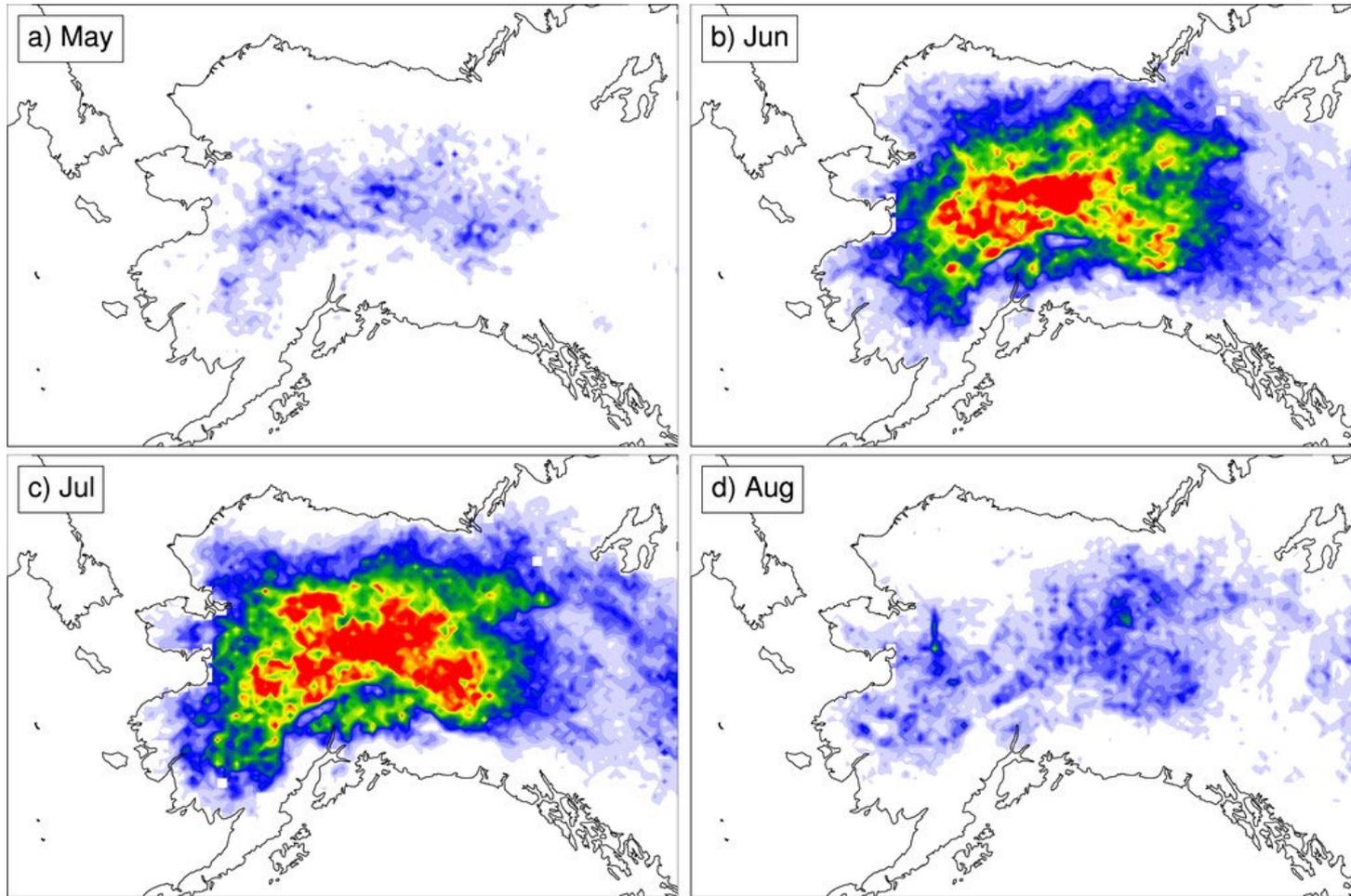
Lightning Talk

DMT 2023
21-24 May 2023

Mike Hendricks, Amy Macpherson

Alaska Division of Geological & Geophysical Surveys
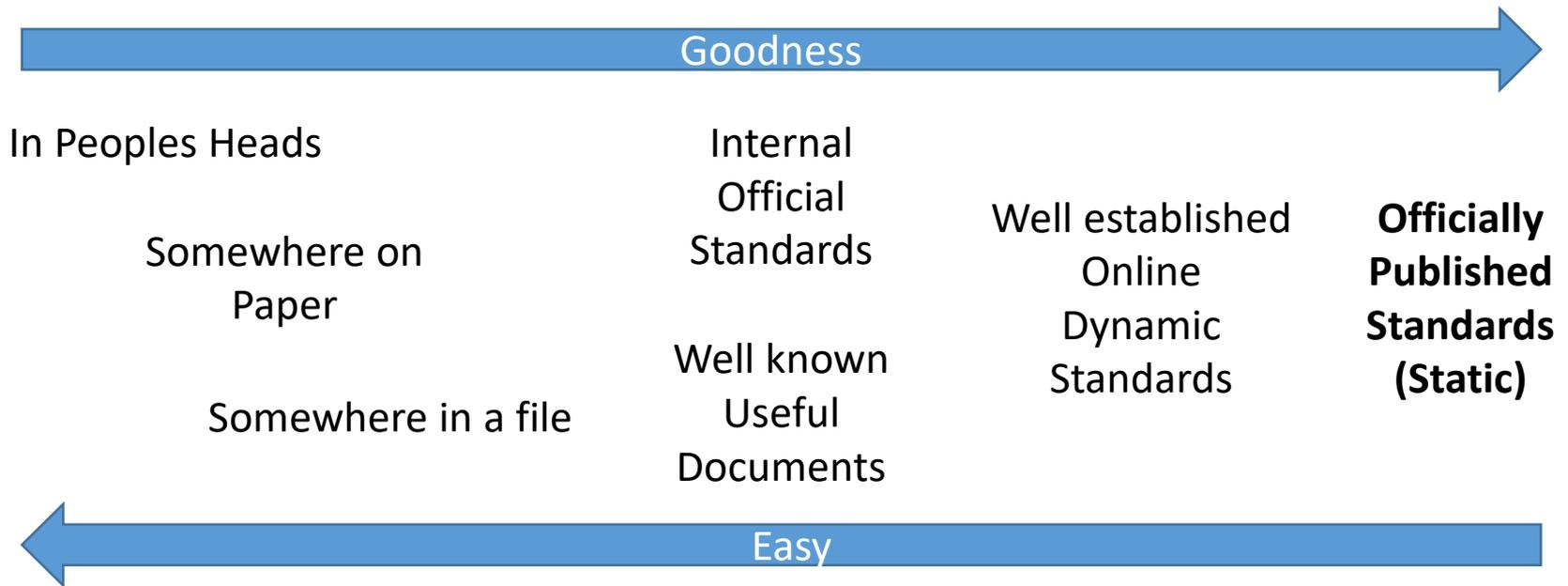
3354 College Rd, Fairbanks AK 99709

Monthly average number of lightning strikes
In Alaska

Documentation:
Information that describes the product to the people who develop, deploy and use it.
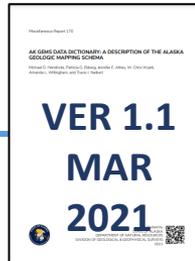
Some Types

Goodness →

In Peoples Heads

Somewhere on Paper

Somewhere in a file

Internal Official Standards

Well known Useful Documents

Well established Online Dynamic Standards

Officially Published Standards (Static)

← **Easy**

AK DGGS Foundational Published Standards

Provides AK DGGS and others a reviewed, agreed upon, authoritative reference & guide
Decreases confusion and increases efficiency

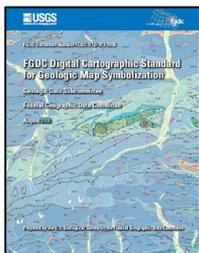**AK GEMS DATA DICTIONARY:** A DESCRIPTION OF THE AK GEMS DATABASE SCHEMA, MP 169
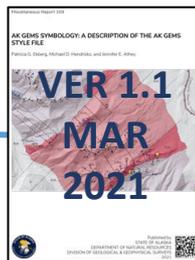
Based on

VER 1.1 MAR 2021

Includes:
- Report
- Data Dictionary
- Entity-Relationship Diagram
- XML Workspace Document

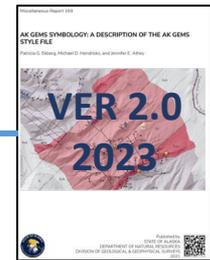**Developing & Documenting our Standards**

Weekly GEDI Meeting
GEologic Data Inquiry
- Geologists & GIS members
- Ongoing since Apr 2018

Key Tasks
1. GeMS Production Status Updates
2. Discuss Questions related to database creation for maps in production. Decide and Document Decisions.
3. Next Version schema change discussions. Decide and Document Decisions.

General
DNR GGS GEDI Team

VER 2.0 2023

AK GEMS SYMBOLOGY: A DESCRIPTION OF THE AK GEMS STYLE FILE, MP 167

Based on

VER 1.1 MAR 2021

Includes:
- Report
- Data Dictionary
- AK_GeMS_symbols_ver_1.style

VER 2.0 2023

Also, we host a WEEKLY GIS Tips and Tricks Session
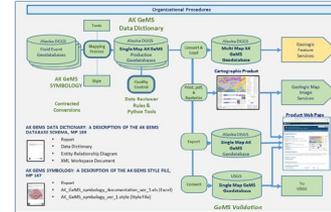
AK DGGS Future Published Standards

In Production, Summer 2023

- AK GeMS Geologic Mapping System, MP XXX

Alaska DGGS geologic mapping system (poster)

https://dggs.alaska.gov/pubs/id/30864

Desired

- AK GeMS Data Producers Guide
- Others?

Key question in all of this:
What standards will be worth the effort to Publish?

Some AK DGGS Internal Documentation

MS Teams Documents

- **AK GeMS GEDI Meeting Notes**
- **AK GeMS Production Workflow**
- **AK GeMS Production Workflow Tasks**
- **AK GeMS FAQ**
- **AK GeMS MM Key Tasks**
- Ver 2 Suggestions & Ver 2 draft documents
- AK GeMS Geodatabase Packages Supporting Files

- A bunch of ephemeral and/or forgotten documents, some of which need to be consolidated into official standards

AK GeMS DBs in Production Planner App in MS Teams