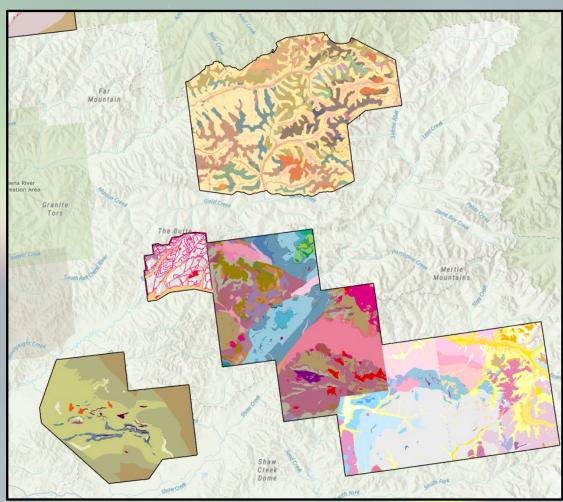


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Multimap Geologic Enterprise Geodatabase Efforts



Mike Hendricks, Pedro Rivera

6/5/2023

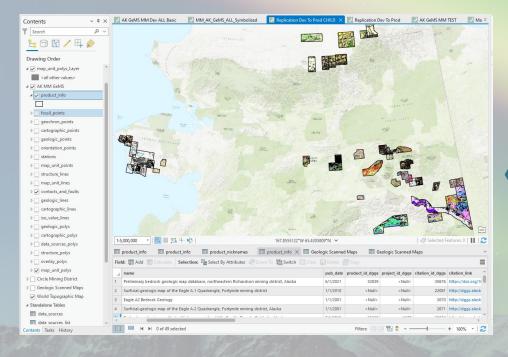
<u>Digital Mapping</u> <u>Techniques 2023</u>

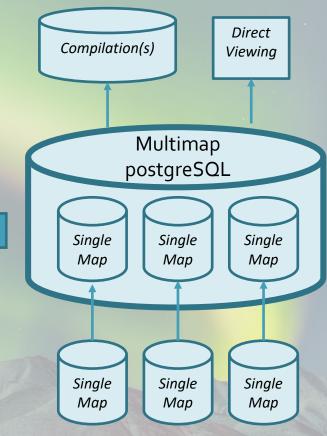




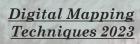
The Alaska GeMS Multimap database is:

A repository of individual AK GeMS single map databases stored in a single optimized PostgreSQL geodatabase.





6/5/2023









How is it different than Single Map

- Hosted on PostGreSQL
- String based domains are converted to integer-based domains
- True GUID Fields for IDs
- Single Projection (Alaska Albers Equal Area, NAD83)
- Relationship Classes built
- Supporting tables Created and Maintained
 - Tables to support many-to-many data sources
 - Product Statistics Table

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Cartographic labels

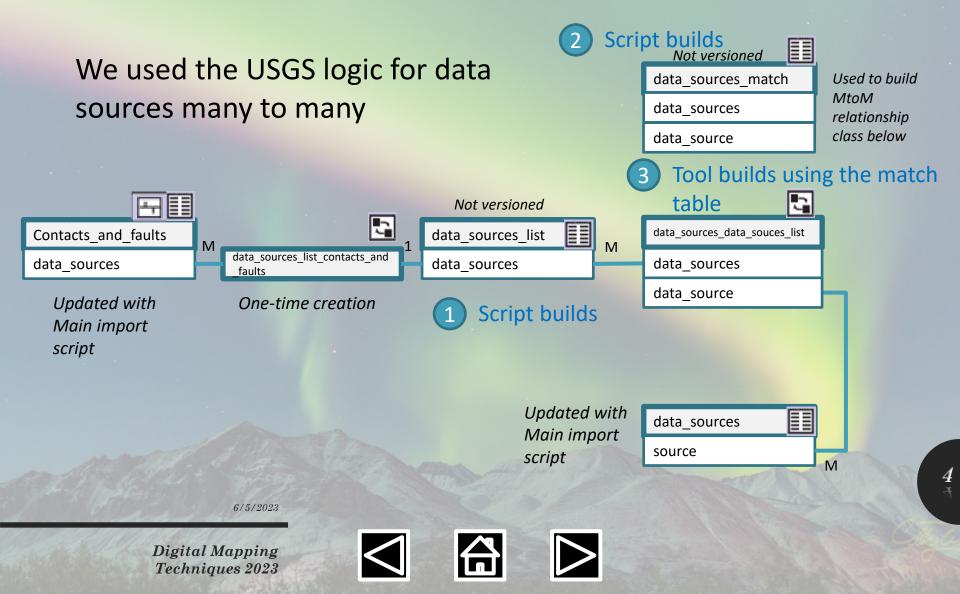
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Supporting Data Sources Many-to-Many relationships

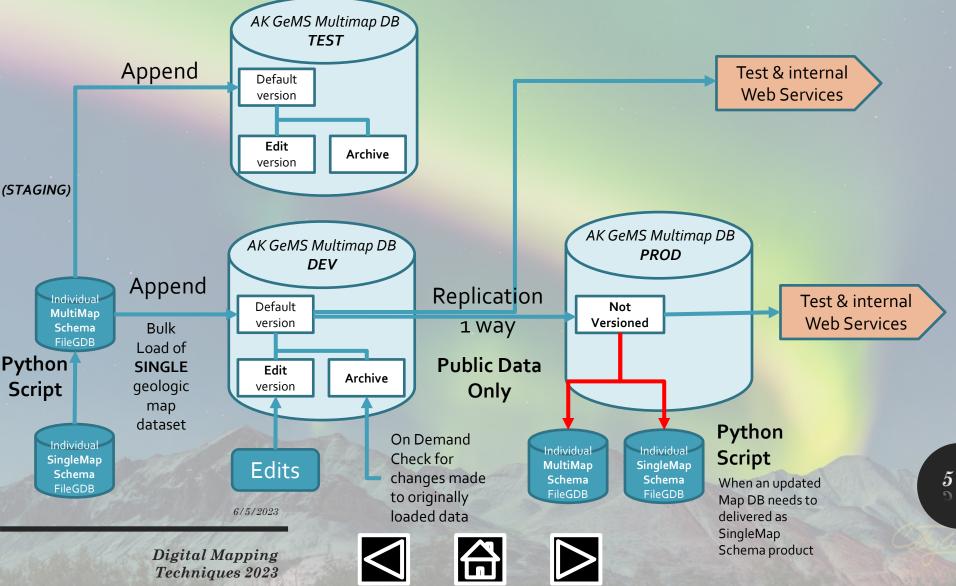




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Alaska DGGS Multimap GeMS DB Architecture





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1	loolboxes
	📸 GeMS_MM_Admin_Tools.pyt
	🔺 🚔 1: Multimap Import Tools
	🗐 1.1 Convert SM to MM
	🗐 1.1 Convert SM to MM (Beta)
	1.2 Append MM to PostgreSQL
	🗐 1.3: Update Datasources
	🗐 1.4 Update Multimap Stats Table
	🔺 🚔 Multimap Maintenance Tools
	🗐 Database Maintenance
	🗐 Delete product from MultiMap Database
	GeMS_MM_User_Tools.pyt
	🔺 🚔 Map Set Up
	🗐 1: Connect to Multimap
	🗐 2. Filter AK GeMS MM Data In Map
	Update Symbology of Existing Layers (Future Tool)
	📕 Convert GeMS MM Product to Single Map File Geodatabase (Future Tool
	🗐 Export AK GeMS MM Product to File Geodatabase
	🛍 Multimap.atbx
	🔺 🚔 ETLs
	🗢 MMtoSM

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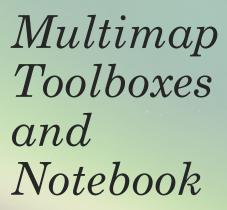
2 Misc

1.1 Query examples
2.1 Query examples
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2.2 Why does FC, orientation_points, have 80 for source name? (Attribute Rules)
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Questions?

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