



FEMA

Lunch and Learn:

Update on the Decommissioning of FEMA's DFIRM Tools

May 24, 2010

Today's Agenda

- Speaker Introductions and Housekeeping (5 minutes)
- Objective of Today's *Lunch and Learn* Session (5 minutes)
- Update on the Decommissioning (10 minutes)
- Demonstration of How to Remove Projects from the Tools (20 minutes)
- Open Forum for Questions/Answers (30 minutes)
- Resources Available (5 minutes)

Speaker Introductions

- Mary Jo Mullen, FEMA Headquarters
Project Manager for the Decommissioning of the DFIRM Tools
maryjo.mullen@dhs.gov
- Howard Davis, CDS
GIS Manager
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- Rob Gaines, CDS
Senior GIS Analyst
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Housekeeping Items

- Please put your phone on mute!
- Please disengage the line if you need to take another call – do not put on hold!
- Questions are always welcome – speak up and ask!

Objective of *Lunch and Learn*

- The objective of today's *Lunch and Learn* session is to provide mapping partners with information about:
 - FEMA's strategy for decommissioning the DFIRM Tools
 - Migrating projects out of the Tools
- If you know of other tools available, please let us know so we can incorporate into additional *Lunch and Learn* sessions
- Additional sessions will be scheduled monthly through July 2010

Anyone interested is welcome to attend!

Update on the Decommissioning

- Continue to post information on the decommissioning on the MIP Web site under News and Highlights
 - Since April, we have posted:
 - PowerPoint presentation from the *April Lunch and Learn* session
 - *FMD Best Practice: Working with DFIRM Tools Data*
- JTX jobs status update as of May 14:
 - **203** jobs in the Tools that are not scheduled to go effective until after 7/31/10
 - **18** of these jobs are LOMRs
 - **0** new jobs were opened
 - **27** jobs were migrated to other tools within the past month

Update on the Decommissioning

- Jobs can be removed by contacting MIP Help
- No new LOMR jobs should be opened using the Tools
- Any mapping partner that foresees significant costs associated with migrating their project(s) out of the Tools should work with their Regional Service Center (RSC) to provide projections to Mary Jo ASAP

Exporting Data from the DFIRM Tools Environment

Outline

- 1. Choosing the Right Tool**
- 2. Database Exporter Tool: Requirements**
- 3. Database Exporter Tool: Preparation**
- 4. Database Exporter Tool: How to Export**
- 5. Database Exporter Tool: Data Retrieval**
- 6. Database Exporter Tool: Log Review**
- 7. Export to PGDB Tool: Requirements**
- 8. Export to PGDB Tool: How to Export**
- 9. Export to PGDB Tool: Data Retrieval**
- 10. Export to PGDB Tool: Log Review**

Choosing the Right Tool

- The Database Exporter Tool is used to extract your mapping data from a job within the DFIRM Tools environment. This is necessary if you have done your mapping work in the DFIRM Tools and you wish to extract your data into an official FEMA DFIRM data specification (either Draft, Prelim, or Final). The tool will automatically convert your data from the DFIRM DB Production schema [in which the data is stored] to the schema of your choice. The tool generates data in Shapefile, MapInfo, and e00 formats.
- The 'Export to PGDB' Tool will extract your mapping data from the DFIRM Tools environment without any kind of schema conversion. It maintains a number of auxiliary attributes not required by the DFIRM specification which can be used for purposes such as edit tracking and QA/QC. This tool will extract data only into Personal Geodatabase format (mdb).

Which Export Tool to Use?

Database Exporter Tool



- Useful for exporting finalized data from the DFIRM Tools environment
- Shapefile, MapInfo, and e00 formats
- Converted from DFIRM DB to Draft, Prelim, or Final schema
- Generates official FEMA map products

Export to PGDB

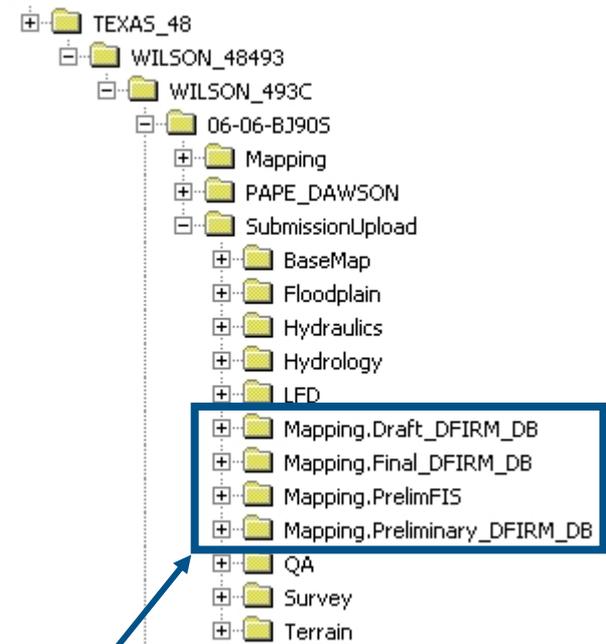


- Useful for editing data outside of the DFIRM Tools environment
- Personal geodatabase format
- DFIRM Tools production schema
- Direct export from DFIRM DB
- Includes annotation featureclasses
- No data changed / lost

DB Exporter Tool: Requirements

Before the Database Exporter Tool can be run, a few requirements must first be met:

- You must have a DFIRM Tools job populated with your edited data.
- There must be a directory structure in place to support the export. You should see a /SubmissionUpload directory with folders for the type of export you want to do (Draft, Prelim, or Final) within your project's folder on the J drive of the MIP SAN. This should be created automatically when your project has an open data development activity within the MIP Workflow, such as 'Develop DFIRM Database.'

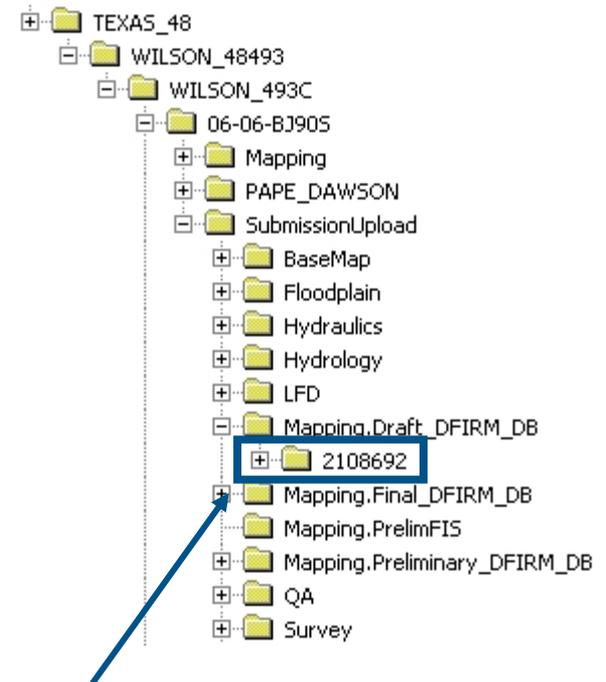


At least one of these folders is required.

DB Exporter Tool: Requirements

Before the Database Exporter Tool can be run, a few requirements must first be met:

- There must be a Task Sys ID assigned to the product within your export folder. This number is assigned during the 'Obligate Project Funding' activity in the MIP Workflow.
- If you are missing your directory structure or Task Sys ID and you need to export data using the DB Exporter Tool, please contact MIP Help at MIPHelp@riskmapcads.com.



Example Task Sys ID folder.

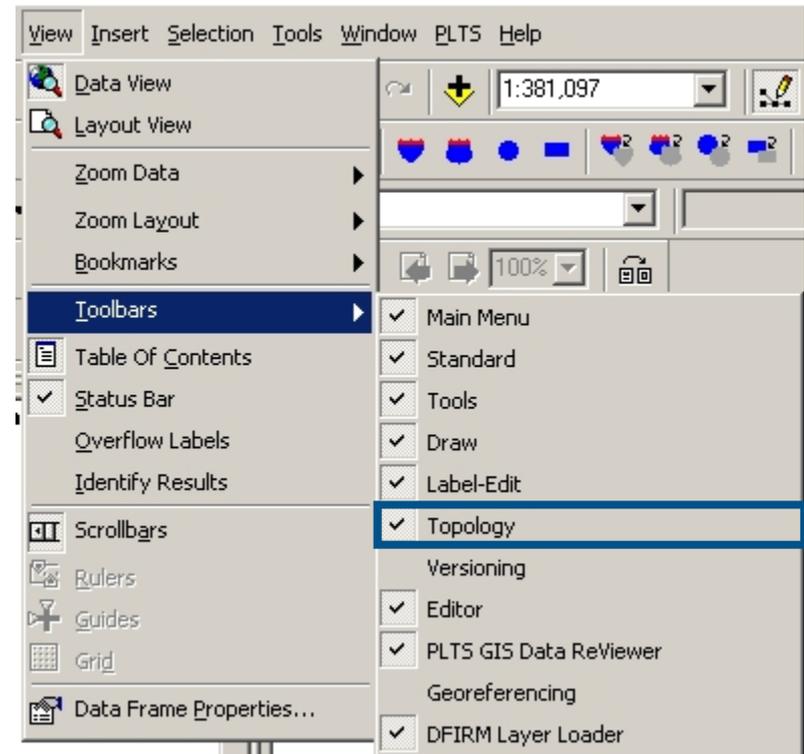
DB Exporter Tool: Preparation

It is important to make sure your data is as clean as possible when exported, otherwise errors in geometry or attributes can cause the Database Exporter Tool to fail. The following steps are recommended:

- Validate the topology of your data using the Topology toolbar. This toolbar can be enabled by going to View > Toolbars > Topology.

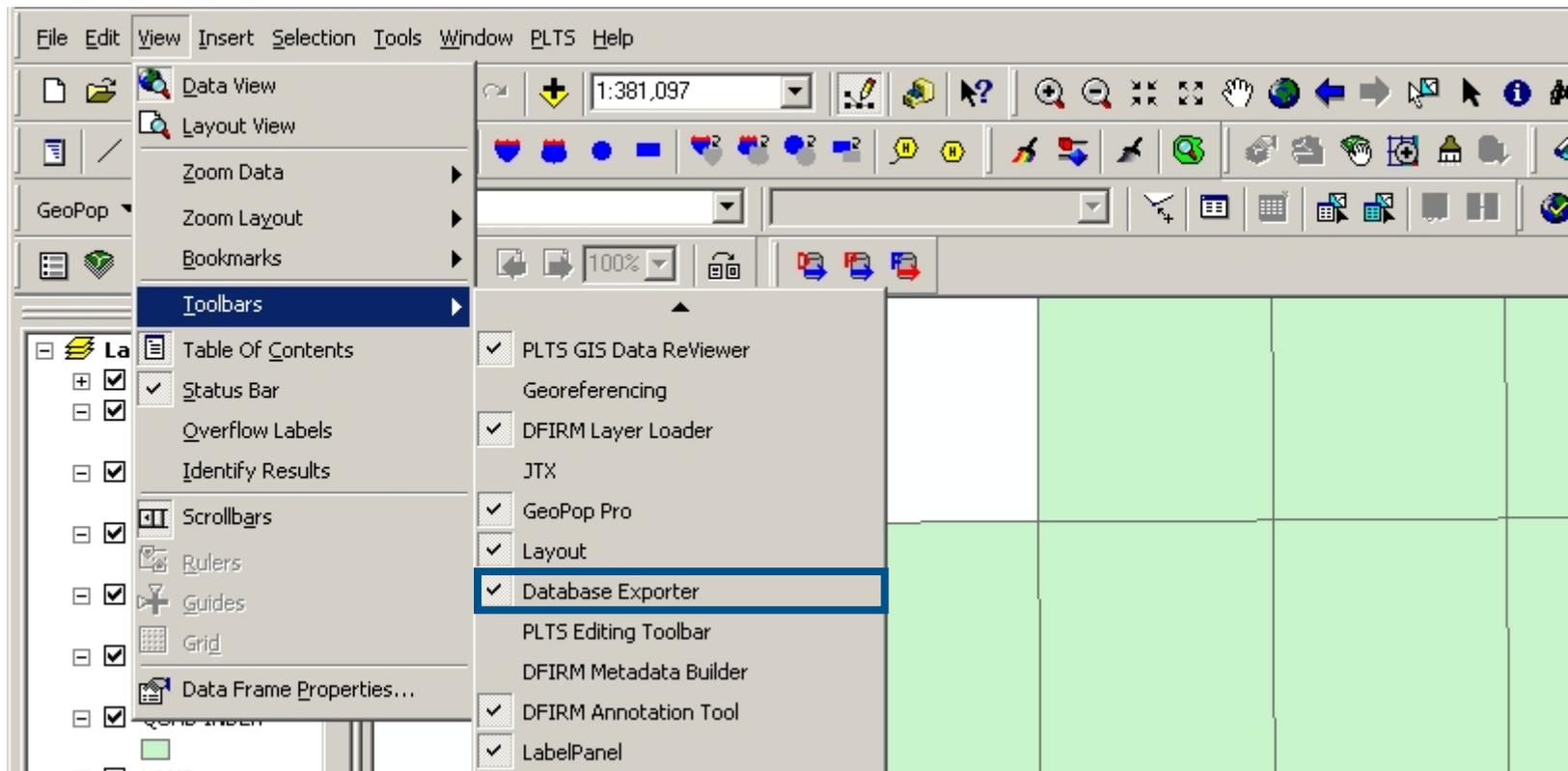


- Additionally, it is recommended that you validate your attribute data by using the 'Render with VVT Symbology' tool or the Batch Validation tool.



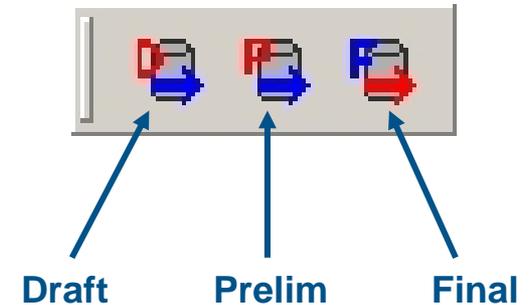
DB Exporter Tool: How to Export

1. After opening up your job, make sure the Database Exporter Toolbar is enabled in ArcGIS by going to View > Toolbars > Database Exporter.



DB Exporter Tool: How to Export

2. On the Database Exporter Toolbar, use either the Draft, Prelim, or Final button to select the schema of your choice.

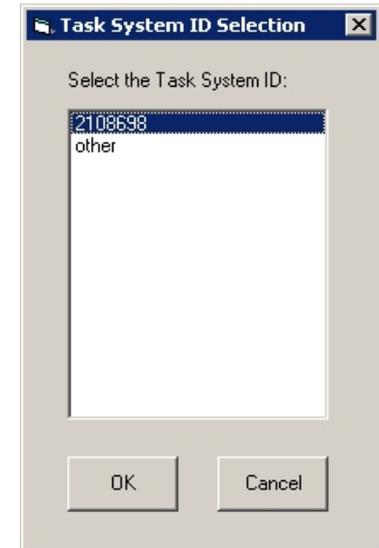


3. Select the case number for your project when prompted and press OK.



DB Exporter Tool: How to Export

4. Select your Task Sys ID if prompted and press OK.
5. You should now see a dialog box confirming your export (shown below). Press OK. Your data is now being queued for export and the process is complete.

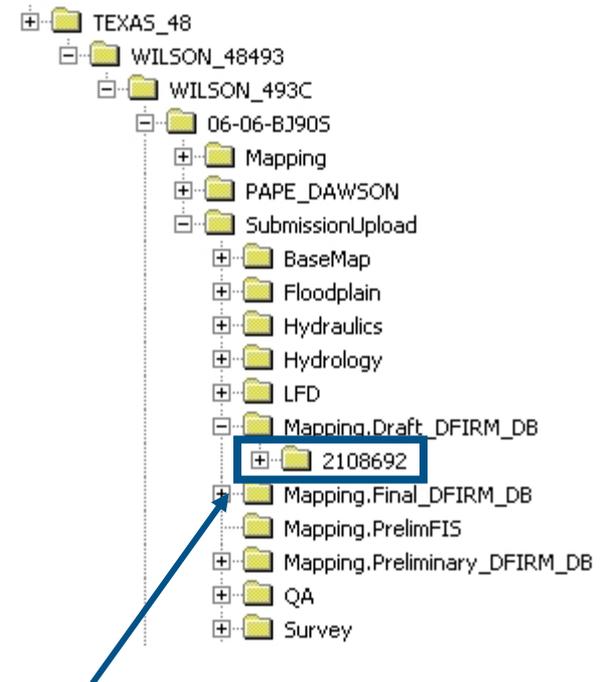


If an error message is shown, please contact MIP Help at MIPHelp@riskmapcds.com and include a screen capture of the error.

DB Exporter Tool: Data Retrieval

After waiting for your export to complete, you can now retrieve your data from the MIP SAN.

1. Navigate to your project's /SubmissionUpload folder on the MIP SAN.
2. Open the folders for the schema type and Task Sys ID which you exported to.
3. You should see all of your data layers exported in Shapefile, MapInfo, and e00 formats. Copy these files to your local drive and your data retrieval is complete.



Example Task Sys ID folder.

DB Exporter Tool: Log Review

After the export is complete, it is recommended that you review the log file generated by the tool to make sure there were no errors during the export process.

1. Open the text file
'DFIRM_Data_Export_Log.txt.'

Name	Size	Type
DFIRM_Data_Export_Log.txt	6 KB	Text Document
L_COMM_INFO.dbf	3 KB	DBF File
l_comm_info.e00	3 KB	E00 File
L_COMM_INFO.mid	1 KB	MIDI Sequence
L_COMM_INFO.mif	1 KB	IBM DB2 Object
L_STN_START.dbf	4 KB	DBF File
l_stn_start.e00	1 KB	E00 File
L_STN_START.mid	1 KB	MIDI Sequence
L_STN_START.mif	1 KB	IBM DB2 Object

2. Scroll to the bottom and look for the text 'Database successfully exported.'

```
=====
EXPORT STATUS
=====
Export Status: ok!
Message: Database successfully exported.
=====
```

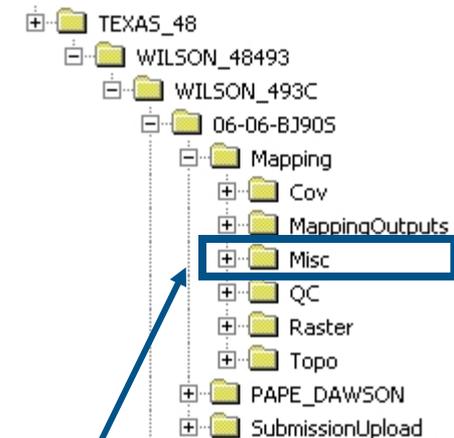
DB Exporter Tool: Finished!

Questions?

Export to PGDB: Requirements

Before the Export to PGDB Tool can be run, a few requirements must first be met:

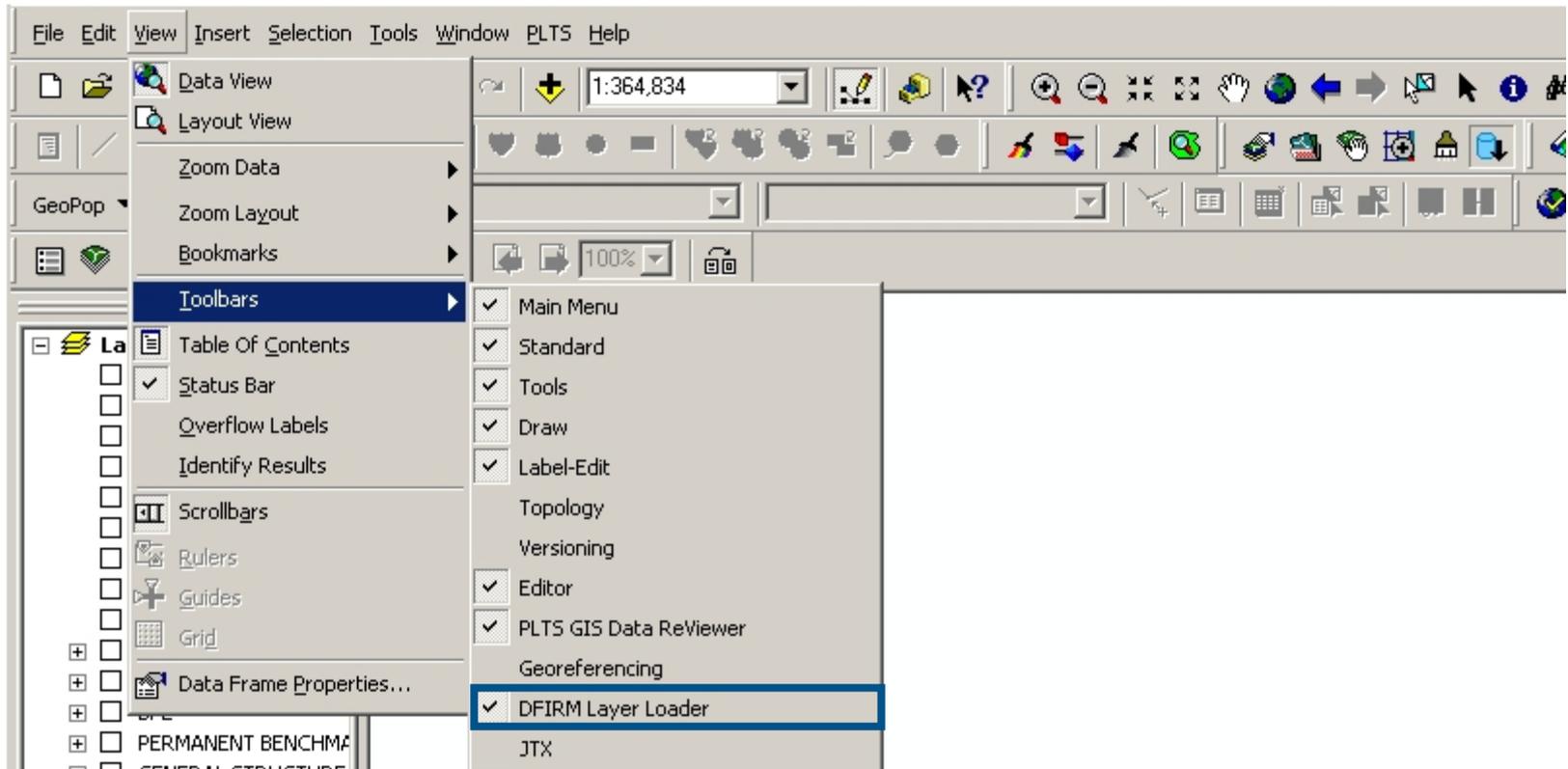
- You must have a DFIRM Tools job populated with your edited data.
- There must be a directory structure in place to support the export. You should see a /Mapping/Misc directory within your project's folder on the J drive of the MIP SAN. This should be created automatically when your project has an open data development activity within the MIP Workflow, such as 'Develop DFIRM Database.'



This folder is required

Export to PGDB: How to Export

1. After opening up your job, make sure the DFIRM Layer Loader Toolbar is enabled in ArcGIS by going to View > Toolbars > DFIRM Layer Loader.



Export to PGDB: How to Export

2. On the DFIRM Layer Loader Toolbar, press the 'Export to PGDB' button located to the far right of the toolbar.
3. Select the case number for your project when prompted and press OK.
4. The export process will begin immediately and will usually take 1-2 minutes to complete. You may now retrieve your data from the MIP SAN.



If an error message is shown, please contact MIP Help at MIPHelp@riskmapcds.com and include a screen capture of the error.

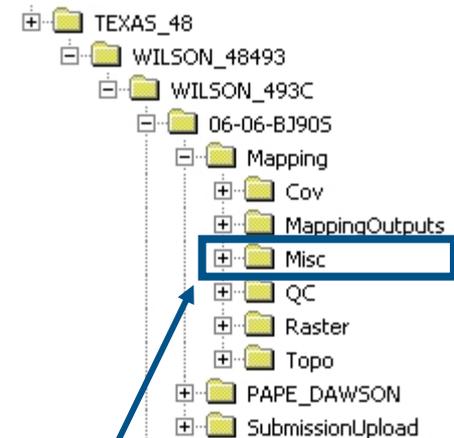
Export to PGDB: Data Retrieval

You may now retrieve your data from the MIP SAN.

1. Navigate to your project's /Mapping/Misc folder on the MIP SAN.
2. You should see a .mdb file with the filename structure:
[DFIRMID]_[JTX JOB ID]_[DATE].mdb.

Name	Size	Type
48493C_1829670_20100518.mdb	40,820 KB	MDB File
1829670_ExportPGDB_Log.txt	1 KB	Text Document
48493C_qr5_v4.shp.xml	11 KB	XML Document
48493C_qr5_v4.shx	1 KB	SHX File
48493C_qr5_v4.shp	3 KB	SHP File

This is your exported geodatabase. Copy this file to your local drive and your data retrieval is complete.



PGDB is output to this folder.

Export to PGDB: Log Review

After the export is complete, it is recommended that you review the log file generated by the tool to make sure there were no errors during the export process.

1. Open the text file
'[JTX ID]_ExportPGDB_Log.txt.'
2. Examine the log for any reported errors. If it looks similar to the sample log shown, the process ran as normal and you are finished.

Name	Size	Type
48493C_1829670_20100518.mdb	40,820 KB	MDB File
1829670_ExportPGDB_Log.txt	1 KB	Text Document
48493C_qr5_v4.shp.xml	11 KB	XML Document
48493C_qr5_v4.shx	1 KB	SHX File
48493C_qr5_v4.shp	3 KB	SHP File

```
=====
                        Export to Personal Geodatabase Log Results
=====
DFIRM_ID       : 48493C
JTX Job        : 1829670
Exported By    : rgaines
Export Method: Export to Personal Geodatabase
Date Exported: 5/18/2010 Time Exported:12:41:52 PM
=====
==Feature Classes==
*Completed*

==Info Tables==
*Completed*

==Annotation==
*Completed*

==Compact==
*Completed*
```

Export to PGDB: Finished!

Questions?

Questions?

Resources Available

- For MIP technical assistance or questions, please contact MIP Help at miphelp@riskmapcds.com
- Outreach and guidance related to the decommissioning of the DFIRM Tools is posted to the MIP Web site, www.hazards.fema.gov, under News and Highlights