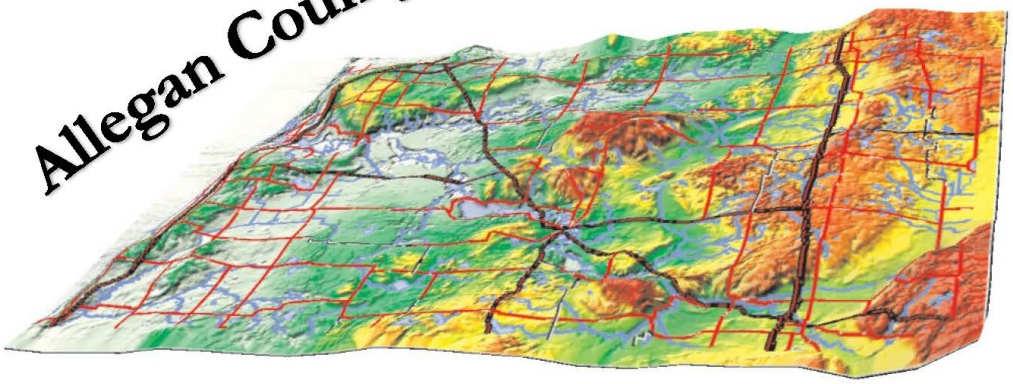
Allegan County GIS Services



Enterprise Geodatabase Maintenance

WWW.ALLEGANCOUNTY.ORG/GIS

MAY 20, 2019

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0.0.1 Enterprise Geodatabase Maintenance

Enterprise Geodatabase Compression Routine

Disconnect All Users

To disconnect the GIS Server, stop all services

➢ In ArcGIS Server Manager ⇒ Site ⇒ GIS Server ⇒ Machines ⇒ Stop all Services

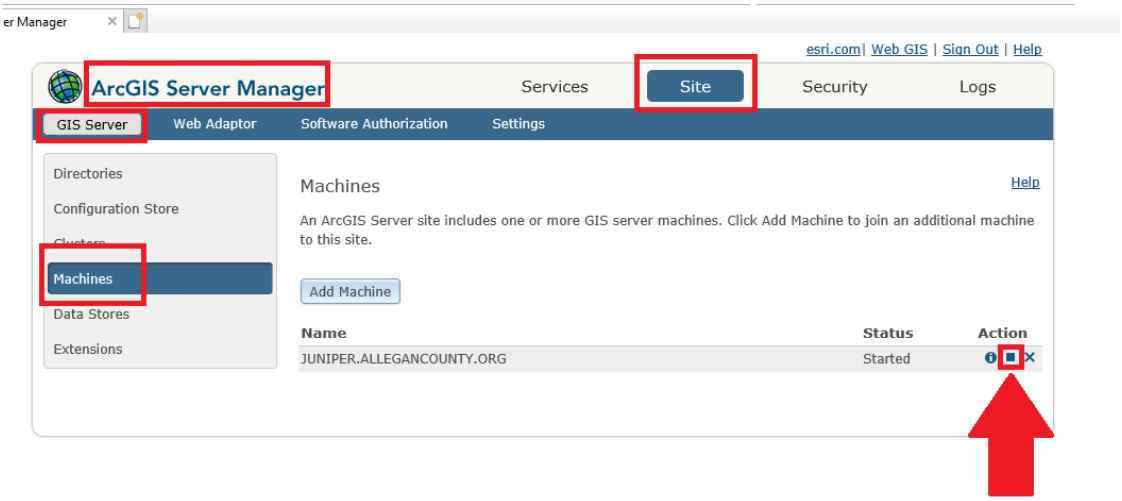

Figure 0.1: Stop ArcGIS Server

Use the Search tool to find the Rebuild Indexes Tool

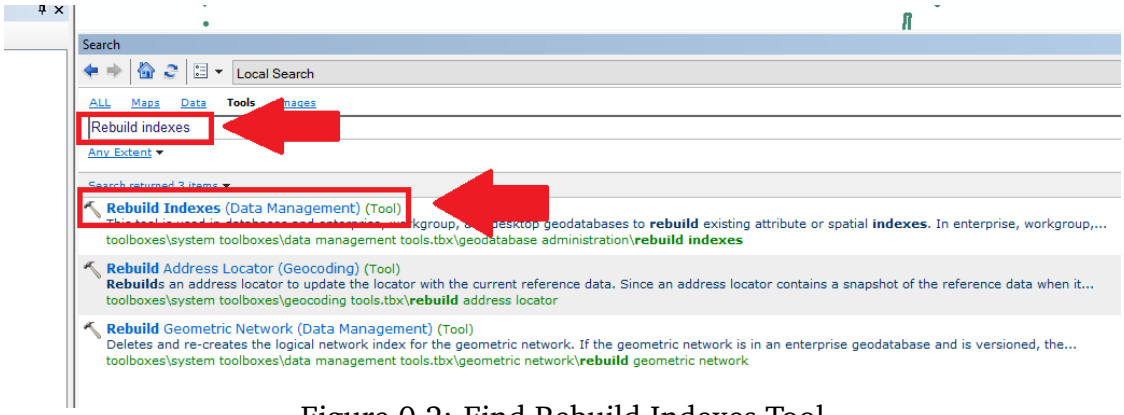

Figure 0.2: Find Rebuild Indexes Tool

Rebuild Indexes

Select Connection ⇒ Include System Tables ⇒ Select All ⇒ Press OK

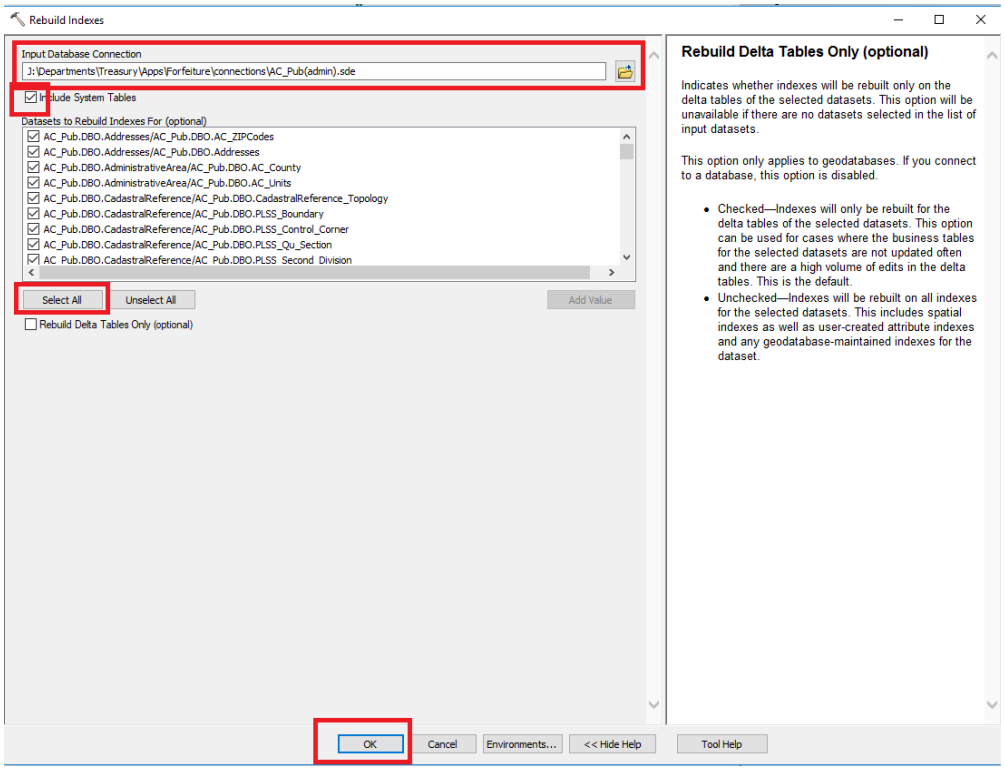

Figure 0.3: Rebuild Indexes Tool Operation

Recalculate Statistics

In the Analyze Datasets Tool:

Select Connection ⇒ Include System Tables ⇒ Select All ⇒ Press OK

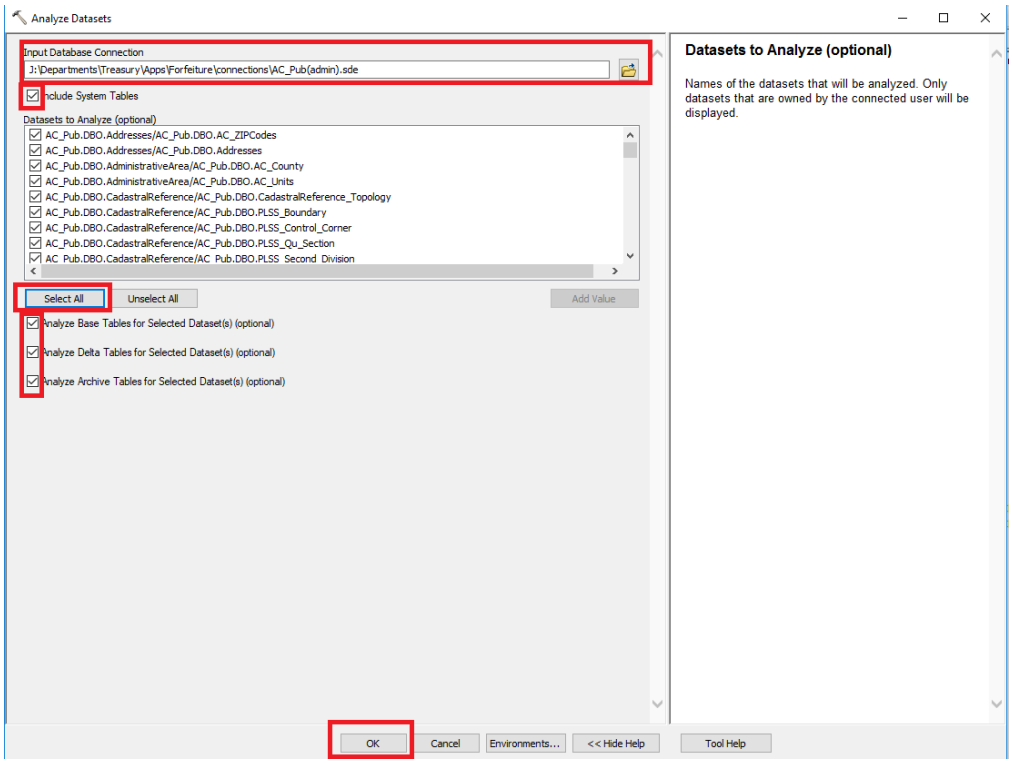

Figure 0.4: Recalculate Statistics

Compress

Select Connection ⇒ Press OK

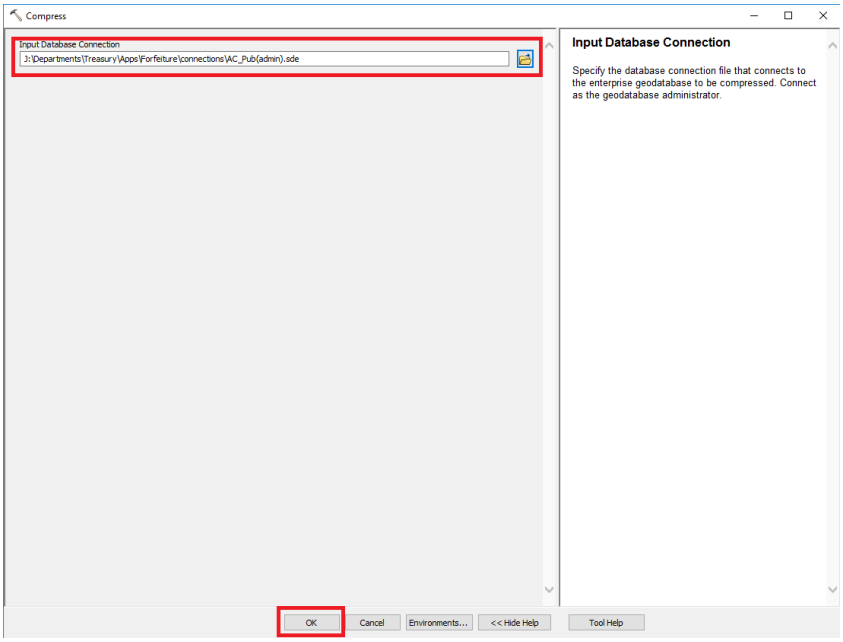

Figure 0.5: Compress

Rebuild Indexes Again

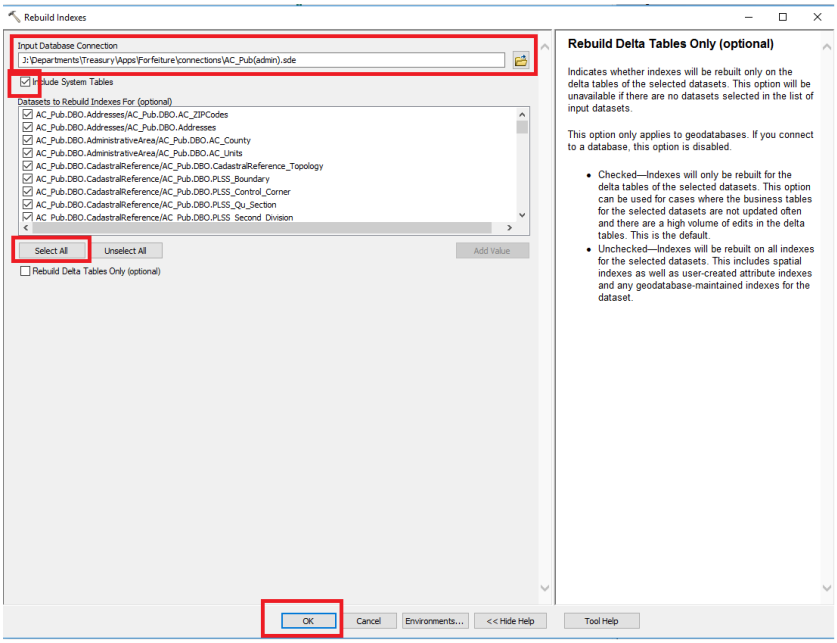

Figure 0.6: Rebuild Indexes Tool Operation

Recalculate Statistics Again

In the Analyze Datasets Tool:

Select Connection ⇒ Include System Tables ⇒ Select All ⇒ Press OK

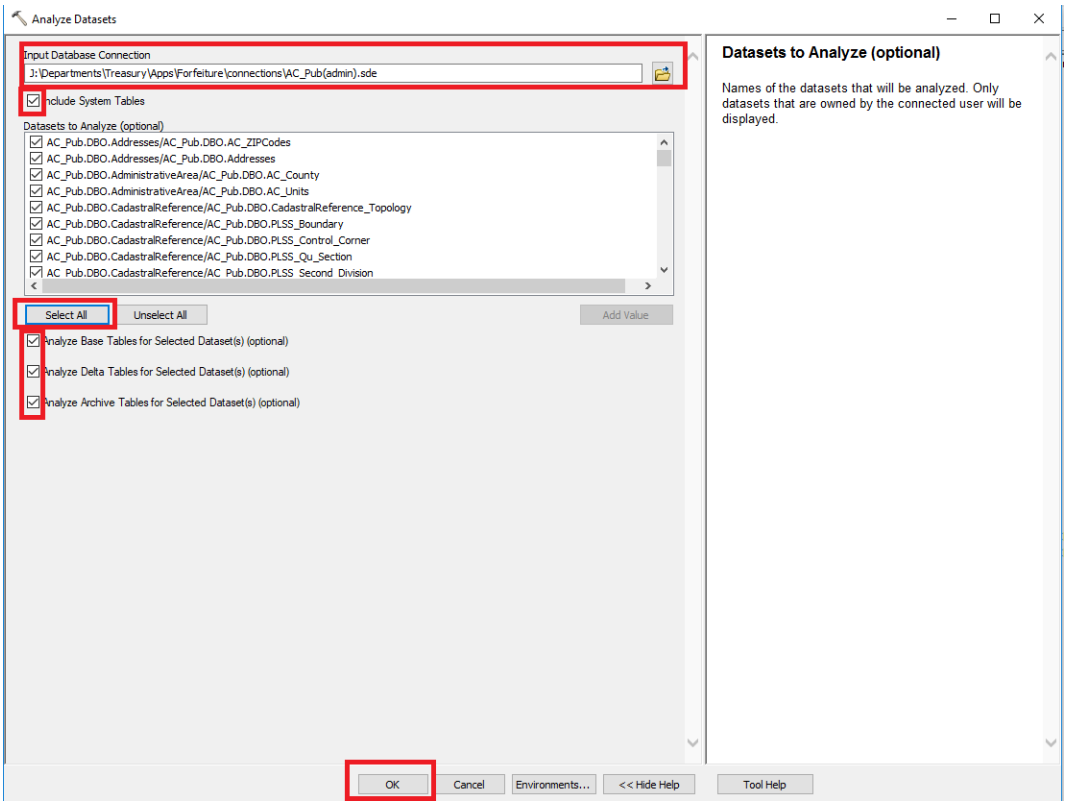

Figure 0.7: Recalculate Statistics

Enterprise Geodatabase Performance Troubleshooting

Editing Is Slow In a Specific Feature Dataset

This list of steps worked to improve performance in the ParcelEditing Feature Dataset. Note the highlighted steps are suspected to be important and discussed further here.

- Compress GDB
- Analyze Dataset
- Unregister Replicas
- Compress GDB
- Unversion Dataset
- Restart the SQL Server
- Delete Topology
- Recreate Topology
- Register dataset as versioned

Unregister As Versioned

With all users disconnected

➢ In Catalog ⇒ ACPro ⇒ Problem Dataset Manage ⇒ Unregister As Versioned

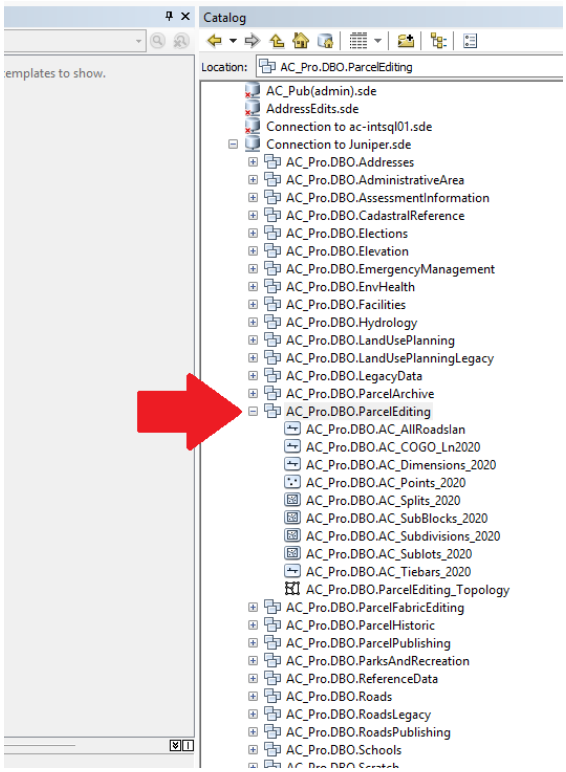

Figure 0.8: Unregister FDS as Versioned

Restart the SQL Server

➢ In SQL Server Management Studio ⇨ Juniper ⇒ restart

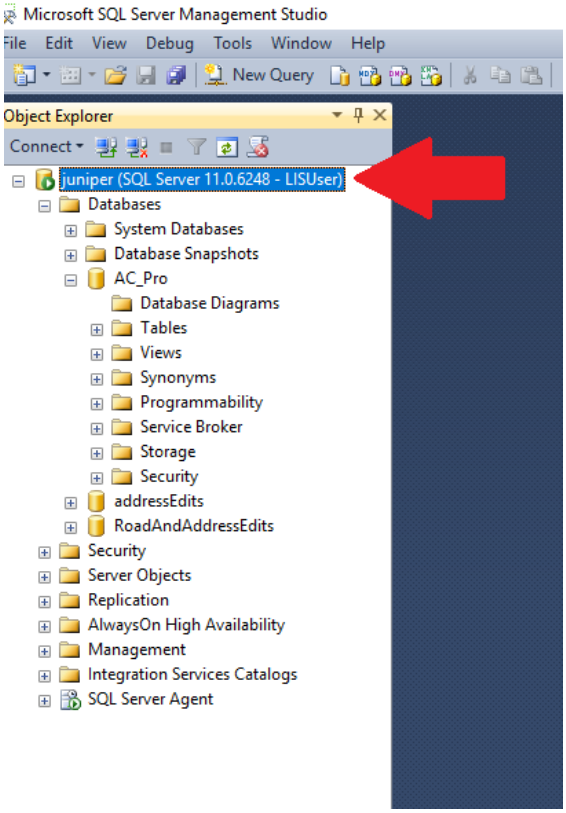

Figure 0.9: Restart SQL Server

Register the FDS as Versioned

➢ In Catalog ⇒ ACPro ⇒ Problem Dataset Manage ⇒ Register As Versioned

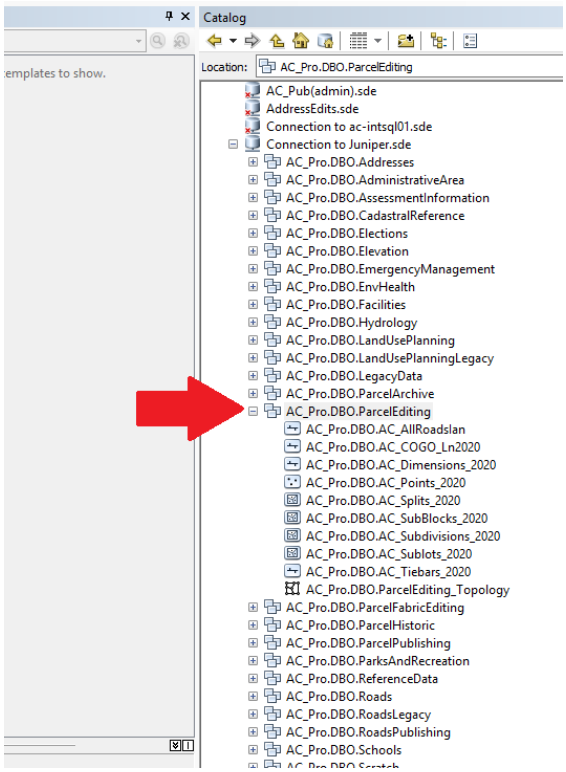

Figure 0.10: Register FDS as Versioned