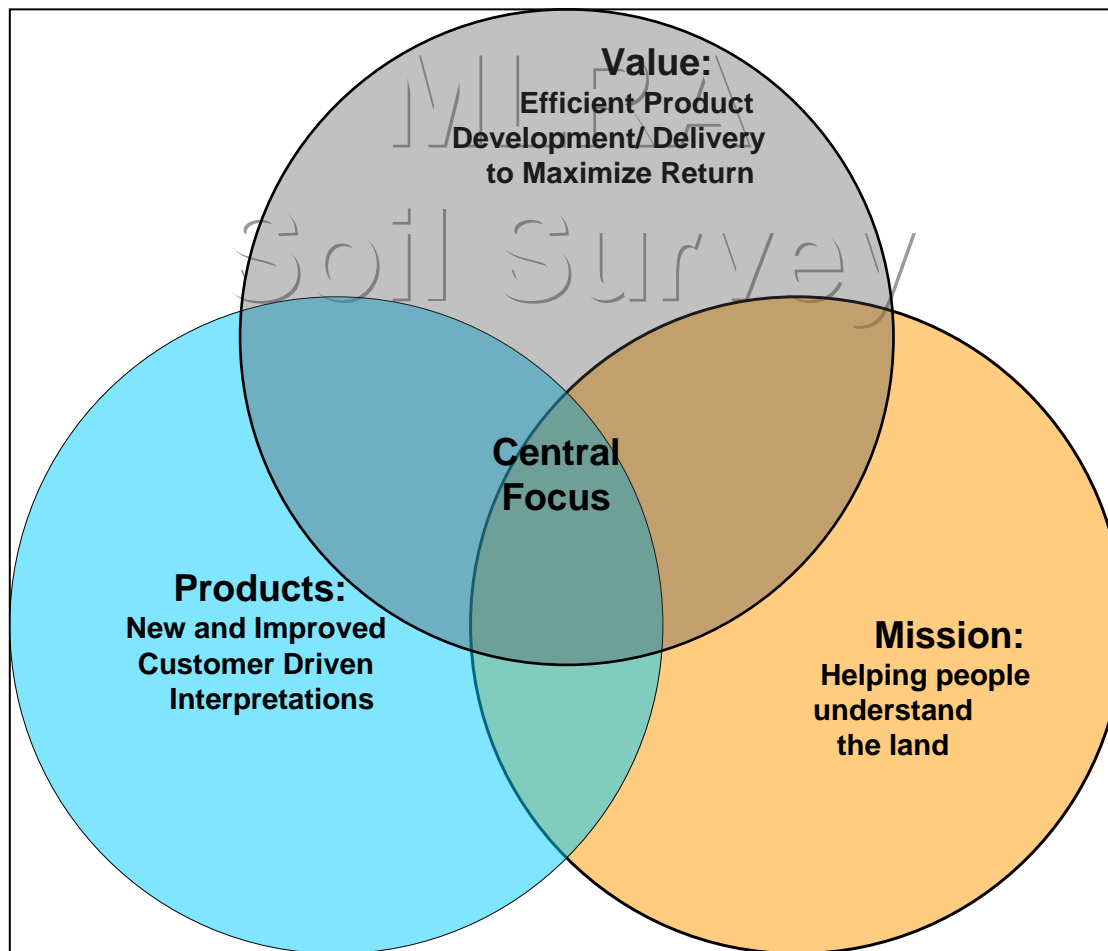
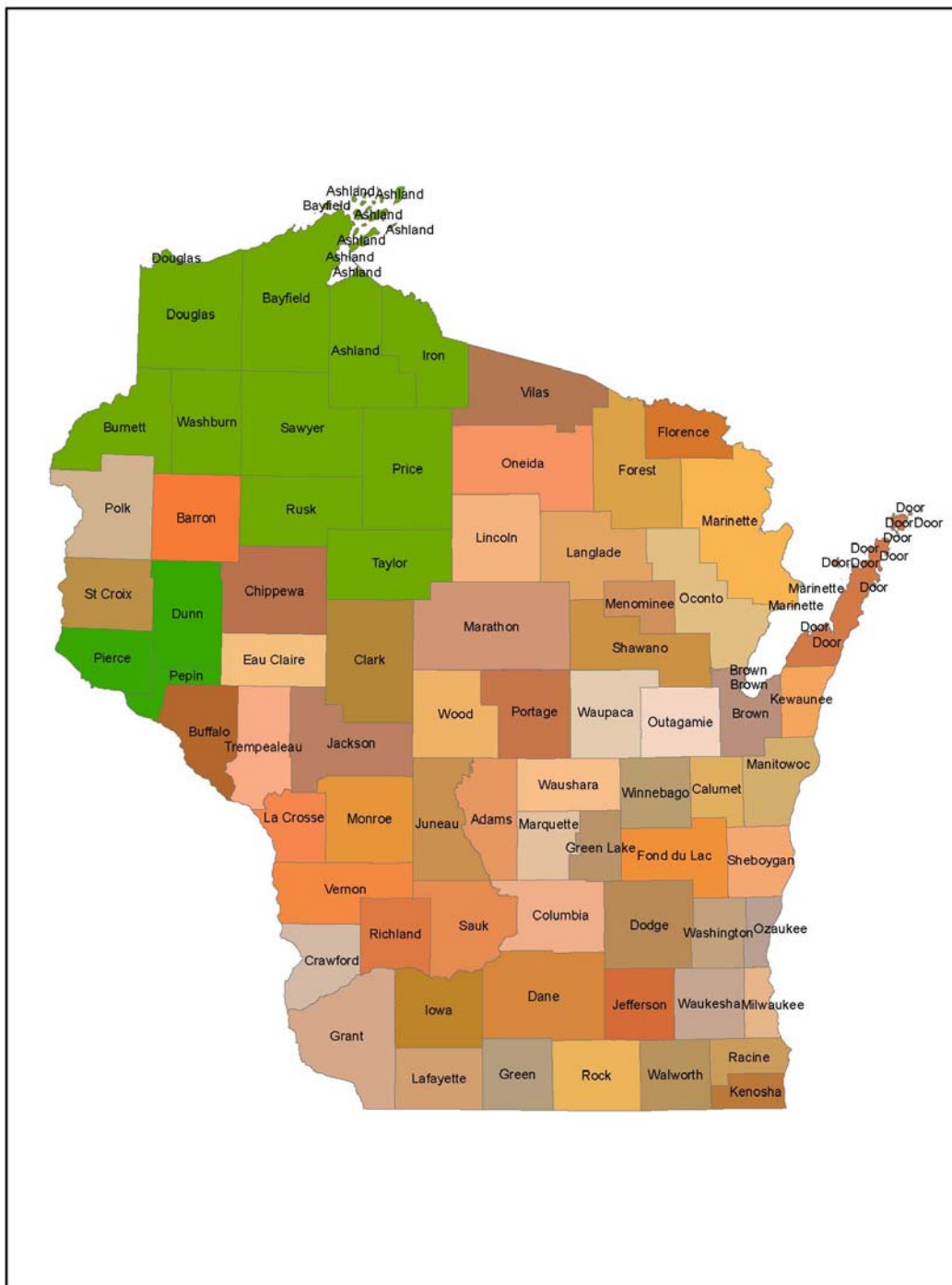


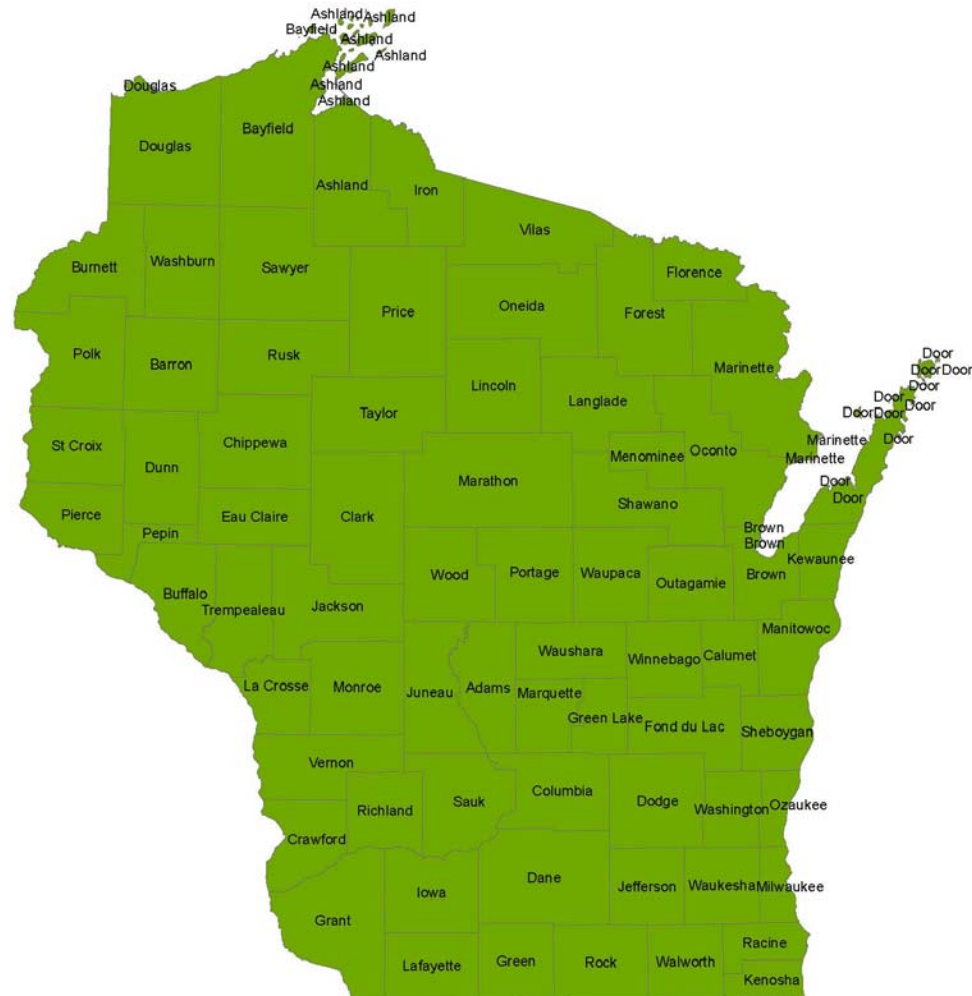
Wisconsin Soil Survey Strategy

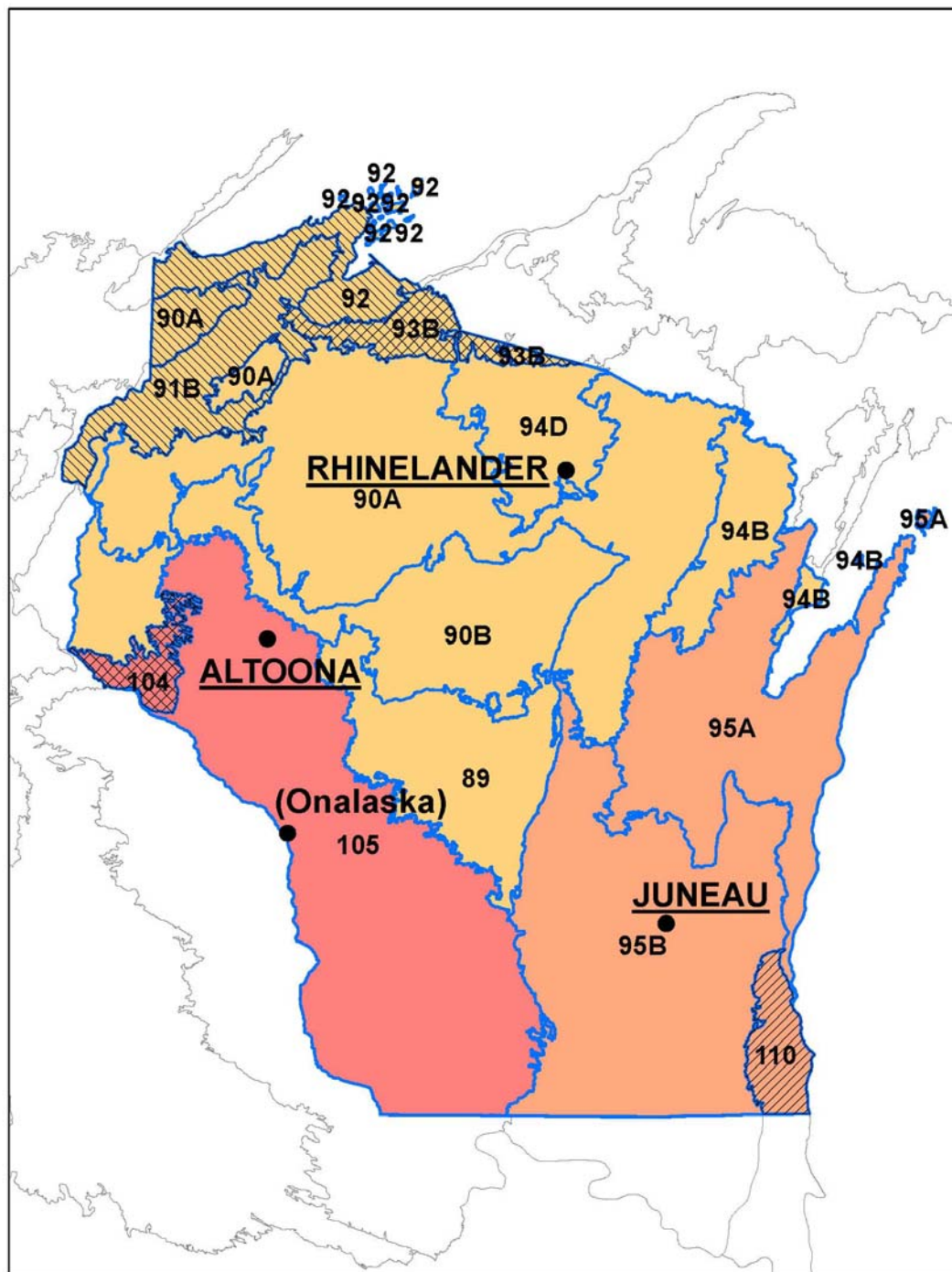


- 1. Seamless Databases**
- 2. Consistency in Data**
- 3. New and Improved Interpretations**
- 4. Targeted Increases in Customers**

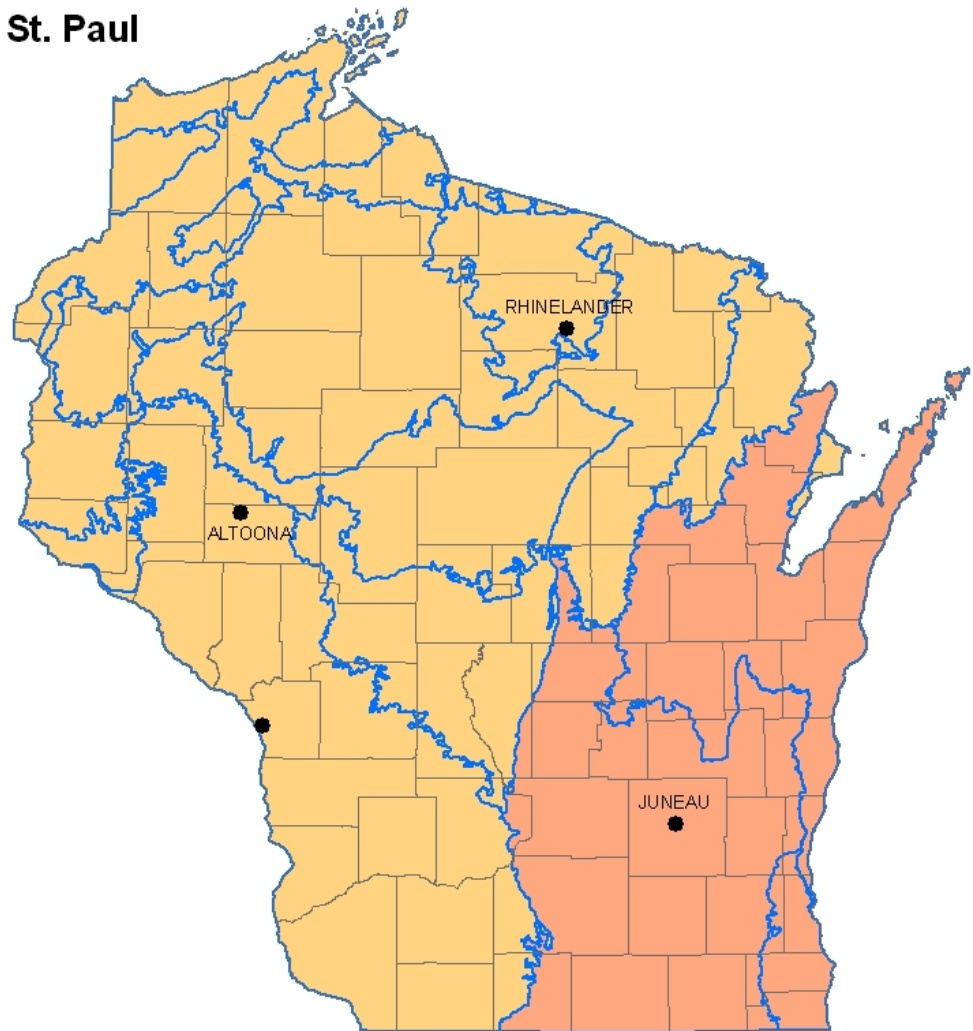


GOAL: Establish a seamless statewide soil database (Spatial and Tabular)





St. Paul



Indianapolis

GOAL: Establish a seamless statewide soil database (Spatial and Tabular)

Phase 1: By June 30, 2007

- A) Convert to a statewide legend**
- B) Recorrelation: Begin process of developing perfect spatial and tabular joins between counties and complete joins not requiring field investigations.**

Phase 2: By ?

- A) Continue the process of developing perfect joins through field investigations and data collection.**
- B) Address priority areas needing more detailed information.**

GOAL: Establish a seamless statewide soil database (Spatial and Tabular)

Phase 1: By June 30, 2007

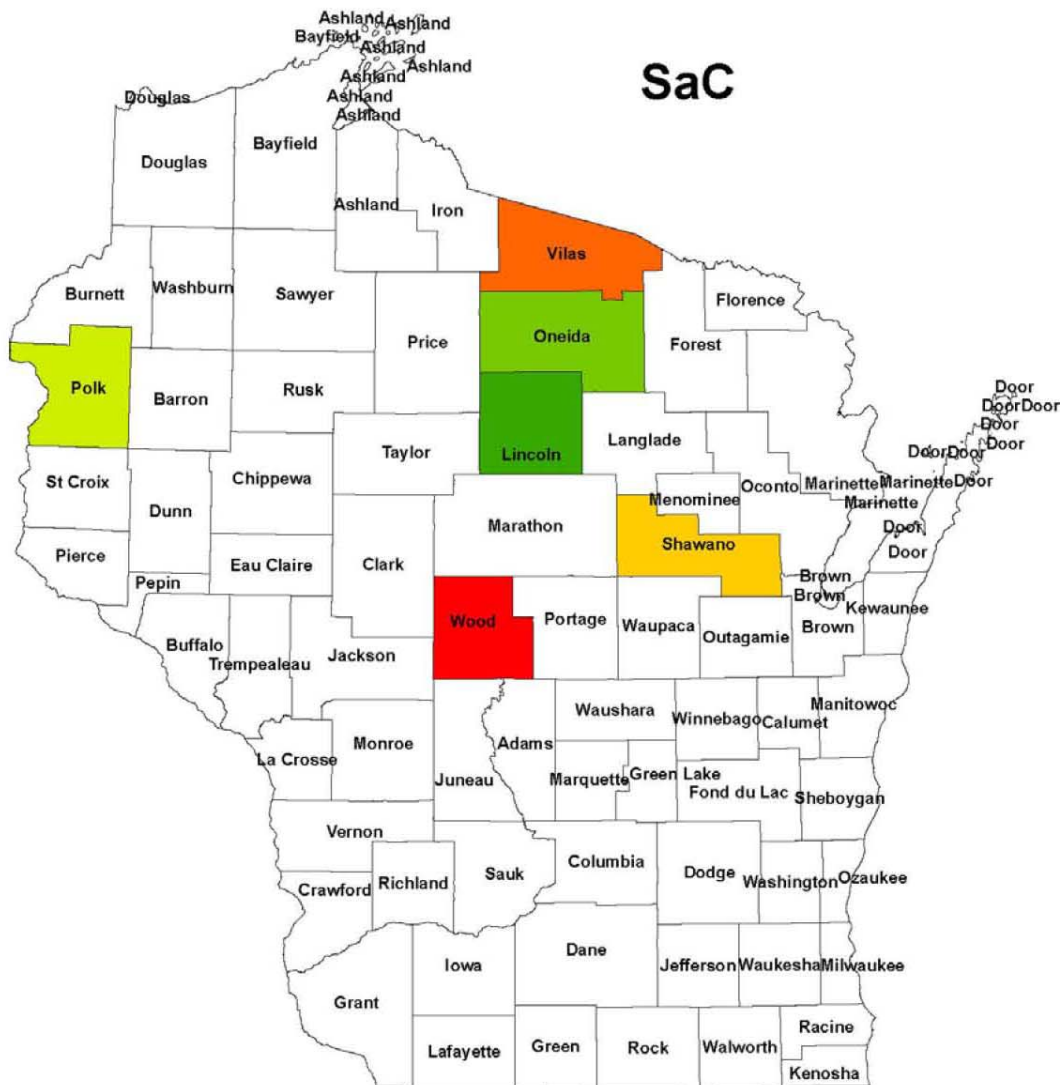
A) Convert to a statewide legend

B) Recorrelation: Begin process of developing perfect spatial and tabular joins between counties and complete joins not requiring field investigations.

Phase 2: By ?

A) Continue the process of developing perfect joins through field investigations and data collection.

B) Address priority areas needing more detailed information.



SaC

Polk: Santiago silt loam, 6 to 12 percent slopes

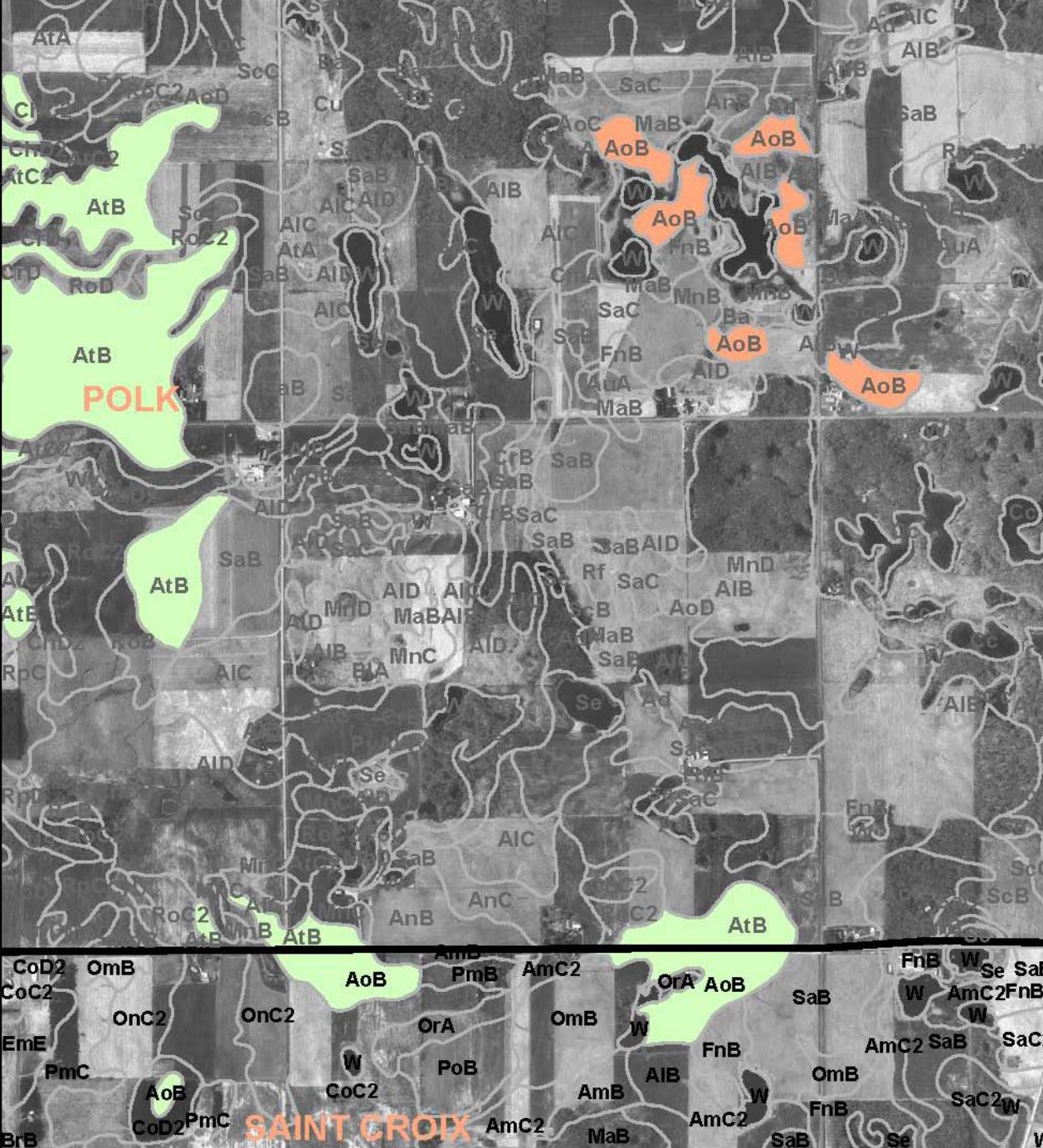
Wood: Santiago silt loam, 6 to 12 percent slopes

Lincoln: Sarona-Pence sandy loams, 6 to 15 percent slopes

Oneida: Sayner loamy sand, 6 to 15 percent slopes

Vilas: Sayner-Rubicon Complex, 6 to 15 percent slopes

Shawano: Salter Variant very fine sandy loam, 6 to 12 percent slopes



POLK

AtB - Antigo silt loam, 2 to 6 percent slopes

AoB - Amery complex, 1 to 6 percent slopes

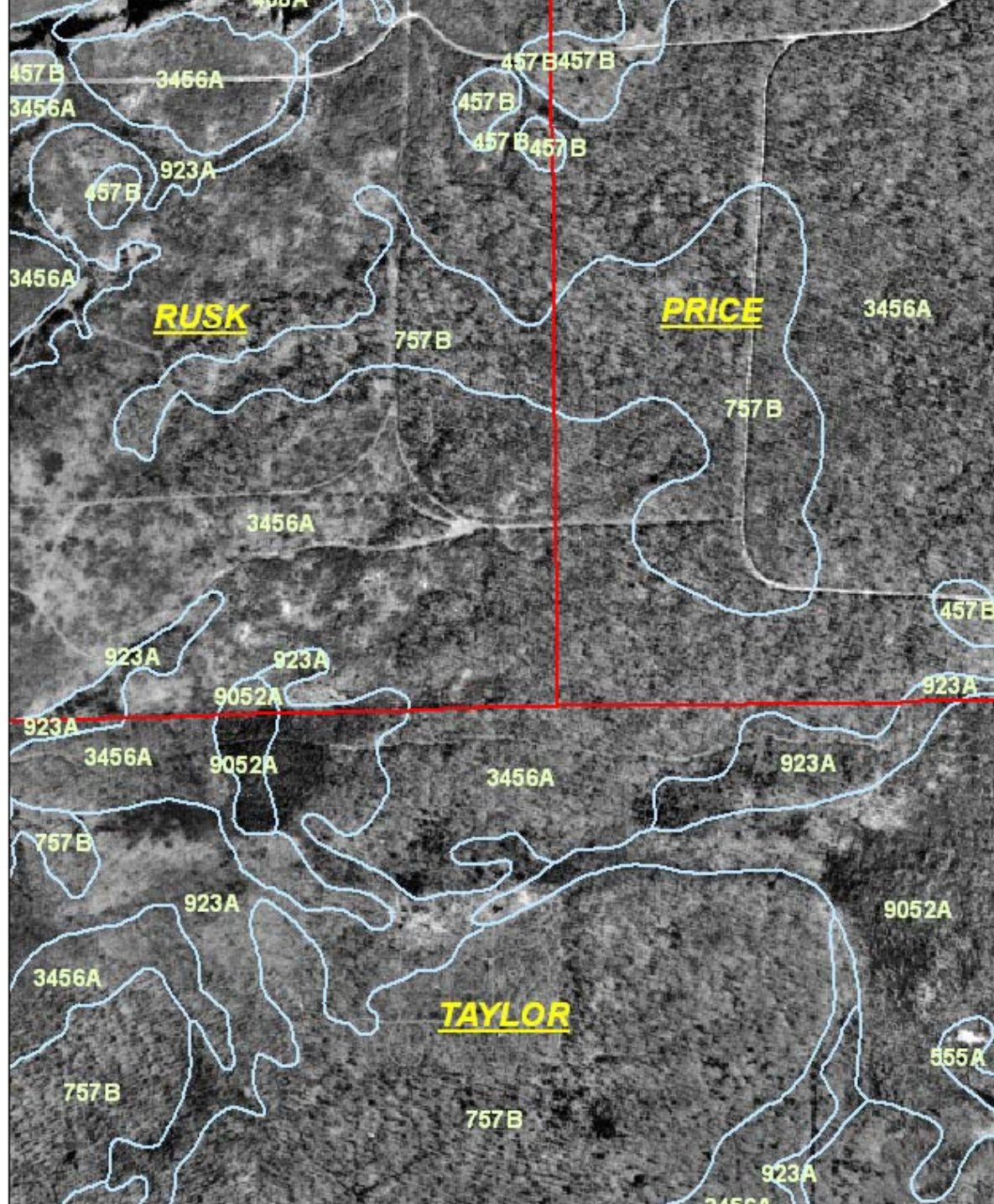
ST. CROIX

AoB - Antigo silt loam, 2 to 6 percent slopes

STATE LEGEND

- ONE SYMBOL – ONE MAP UNIT
- NUMERICAL SYSTEM WITH SLOPE LETTER ON END
- UP TO 6-DIGITS IN LENGTH

EXAMPLES: 43B 54784C



GOAL: Establish a seamless statewide soil database (Spatial and Tabular)

Phase 1: By June 30, 2007

A) Convert to a statewide legend

B) Recorrelation: Begin process of developing perfect spatial and tabular joins between counties and complete joins not requiring field investigations.

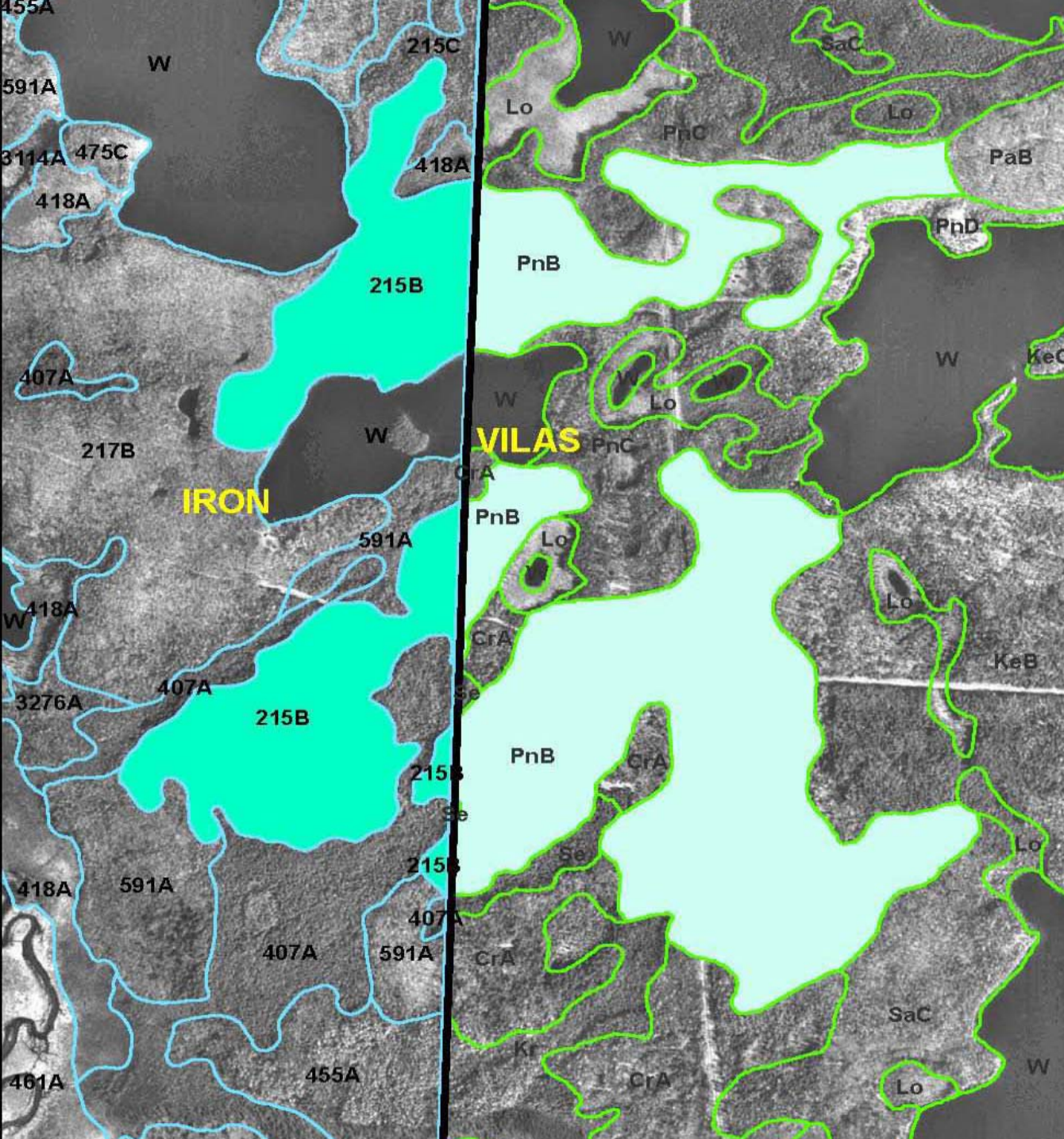
Phase 2: By ?

A) Continue the process of developing perfect joins through field investigations and data collection.

B) Address priority areas needing more detailed information.

Levels of Recorrelation

- **Quick and Easy**
- **Research of Data and Correlation Documents**
- **Extensive Field Investigations**



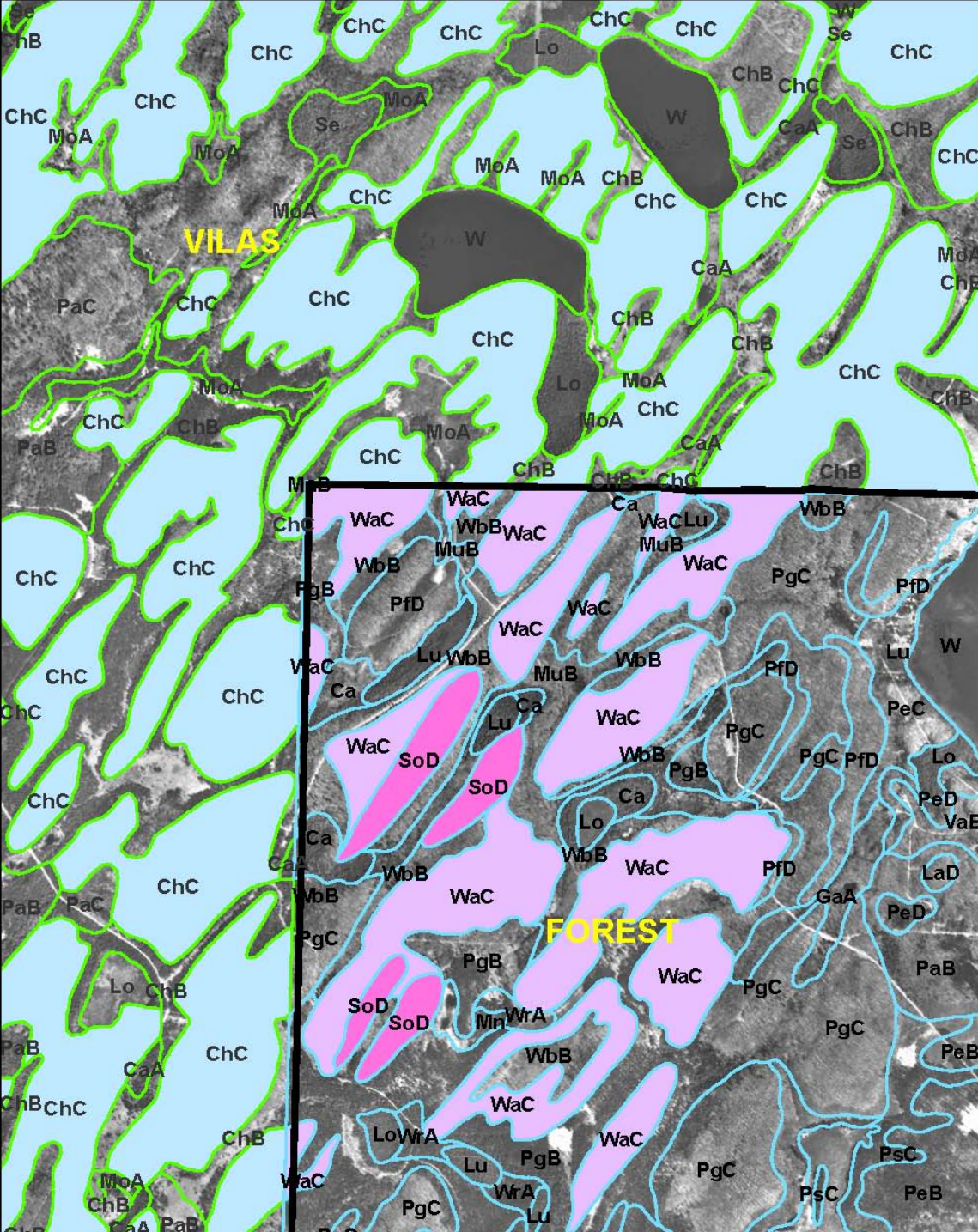
Quick and Easy

Iron

215B - Pence sandy loam, 0 to 6 percent slopes

Vilas

PnB - Pence sandy loam, 0 to 6 percent slopes



Research of Data and Correlation Documents

Vilas

ChC - Champion silt loam, 6 to 20 percent slopes

Forest

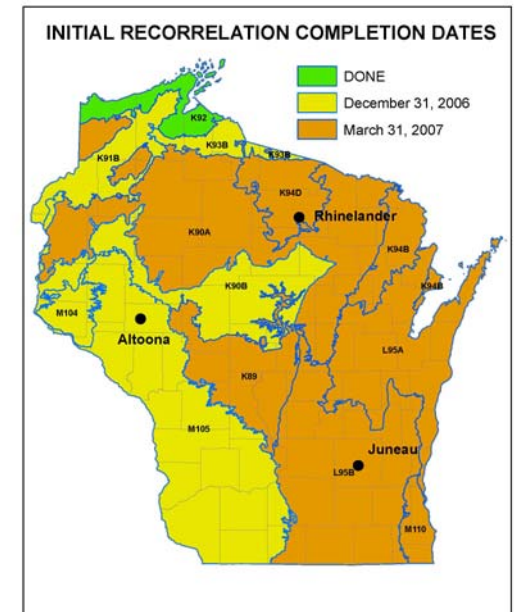
WaC - Wabeno-Goodman silt loam, 6 to 15 percent slopes, very stony

SoD - Soperton-Goodman silt loams, 15 to 35 percent slopes, very stony

Phase 1b: Recorrelation

By April 30, 2007 – As many soil Data Map Units (spatial and tabular) as possible will be recorrelated using existing soil data (under the first two levels of recorrelation); and will create the necessary correlation documents and conversion legends.

<u>MLRA</u>	<u>Office</u>	<u>Est. Completion Date</u>
• 92	Rhineland	Done
• 104, 105	Altoona	Dec 31
• 90B, 91B, 93B	Rhineland	Dec 31
• 90A, 94D	Rhineland	Mar 31
• 89	Altoona	Mar 31
• 95A, 95B, 110	Juneau	Mar 31



Phase 1b: Recorrelation

By May 31, 2007

MLRA-SSO staff will complete the re-labeling and needed line-work edits; and will forward the spatial data to the Digitizing Unit.

By June 30, 2007

- Digitizing Unit will complete the certification process of the spatial data
- MLRA-SSO staff will complete edits to the county soil database (NASIS)
- Both spatial and tabular data will be re-posted at the Soil Data Warehouse and Web Soil Survey.

GOAL: Establish a seamless statewide soil database (Spatial and Tabular)

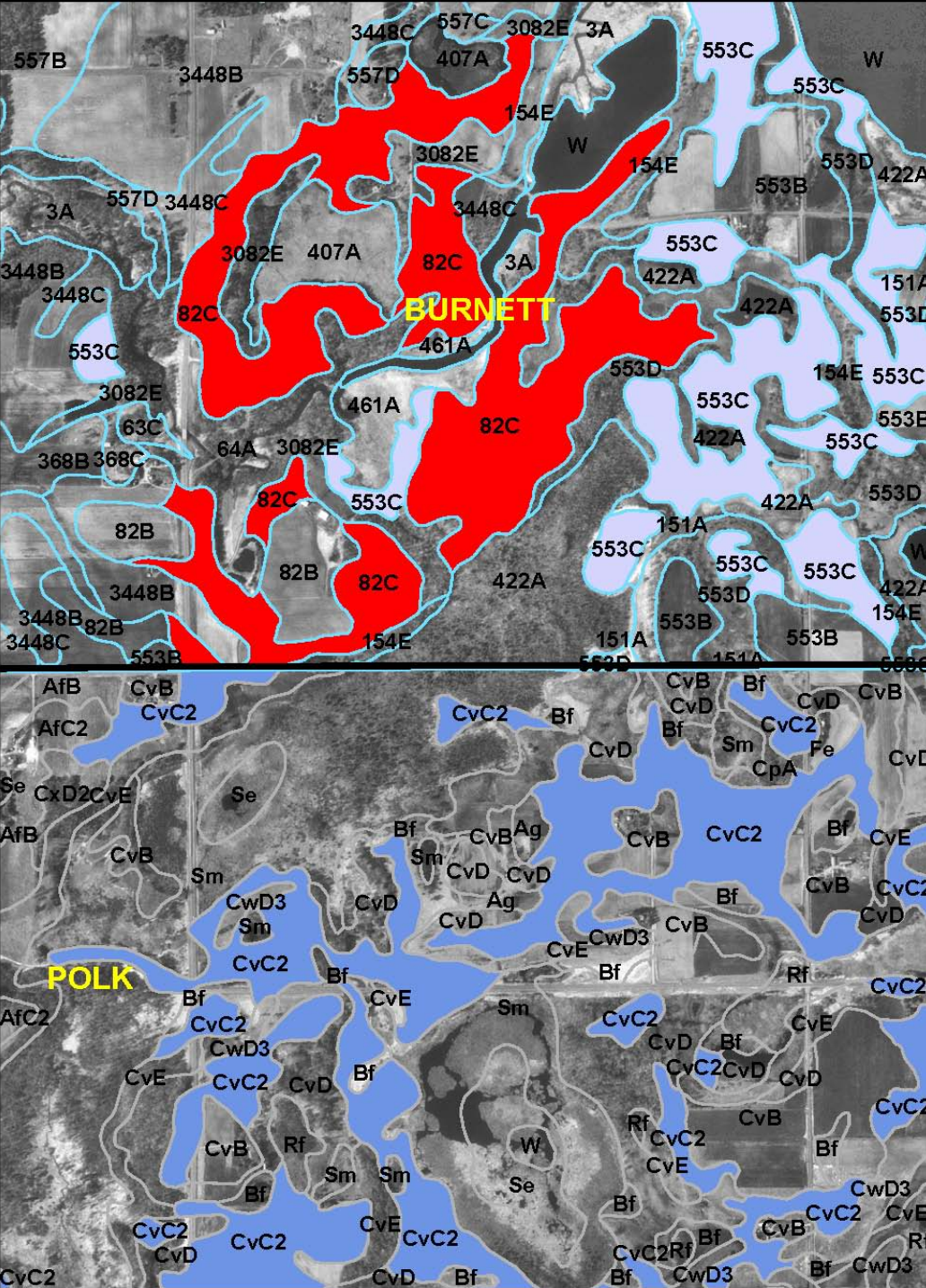
Phase 1: By June 30, 2007

Phase 2: By ?

- A) Continue the process of developing perfect joins through field investigations and data collection.**
- B) Address priority areas needing more detailed information.

Levels of Recorrelation

- Quick and Easy
- Research of Data and Correlation Documents
- **Extensive Field Investigations**



Extensive Field Investigations

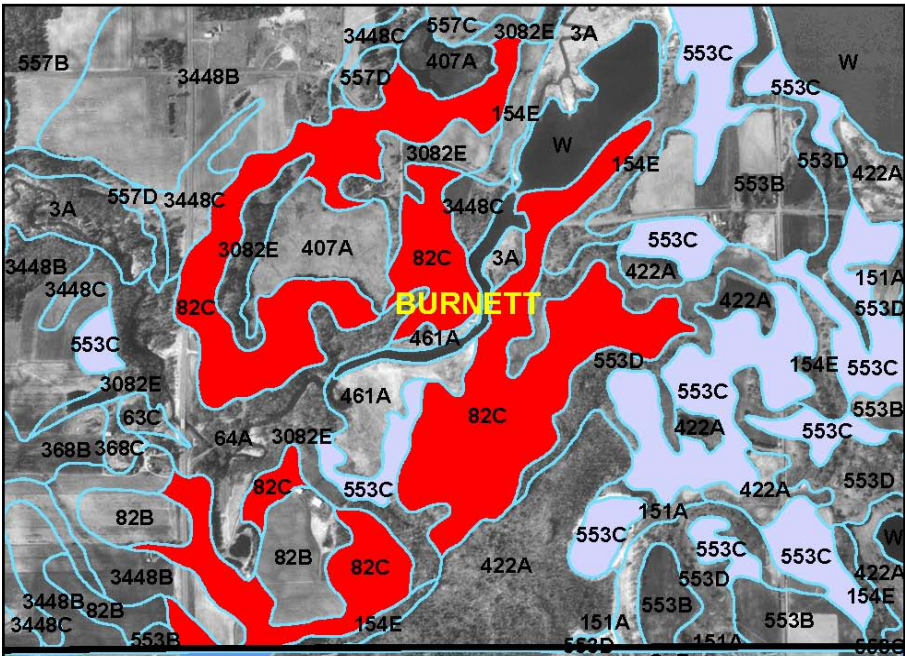
Burnett

82C - Cutaway-Branstad complex, 6 to 12 percent slopes

553C - Branstad fine sandy loam, 6 to 12 percent slopes

Polk

CvC2 - Cushing loam, 6 to 12 percent slopes, eroded



553C - Branstad fine sandy loam, 6 to 12 percent slopes

CvC2 - Cushing loam, 6 to 12 percent slopes, eroded

Cutaway soils

Parent material: sandy eolian deposits over calcareous loamy till

Drainage class: **moderately well drained**

Seasonal high water table: **approximately 24 inches**

Branstad soils

Parent material: loamy calcareous till

Drainage class: **moderately well drained**

Seasonal high water table: **approximately 24 inches**

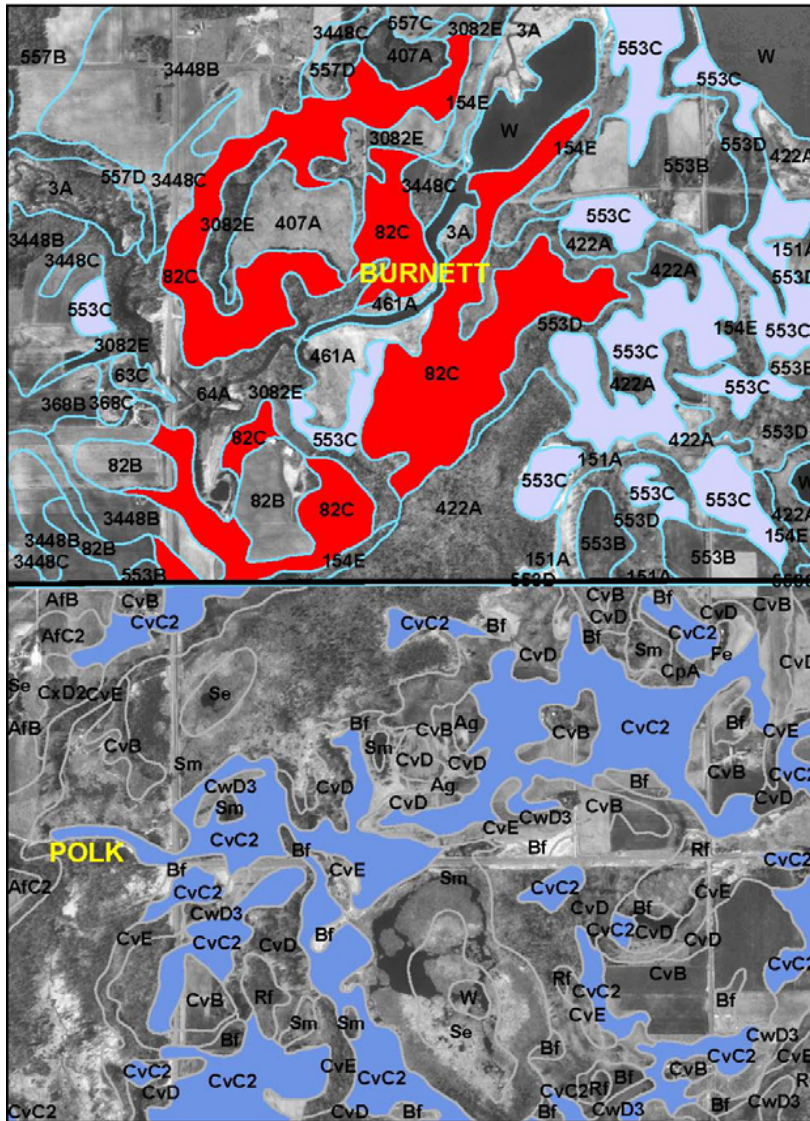
Cushing soils

Parent material: loamy calcareous till

Drainage class: well drained

Seasonal high water table: greater than 60 inches

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge



Burnett County, Wisconsin

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste		Application of sewage sludge	
		Rating class and limiting features	Value	Rating class and limiting features	Value
82C: Cutaway	75	Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Slope	0.04	Slope	0.04
		Too acid	0.01	Too acid	0.03
Branstad	20	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Slope	0.04	Slope	0.04
553C: Branstad	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Slope	0.04	Slope	0.04

Polk County, Wisconsin

CvC2: Cushing	100	Somewhat limited		Somewhat limited	
		Restricted permeability	0.30	Restricted permeability	0.22
		Slope	0.04	Slope	0.04

GOAL: Establish a seamless statewide soil database (Spatial and Tabular)

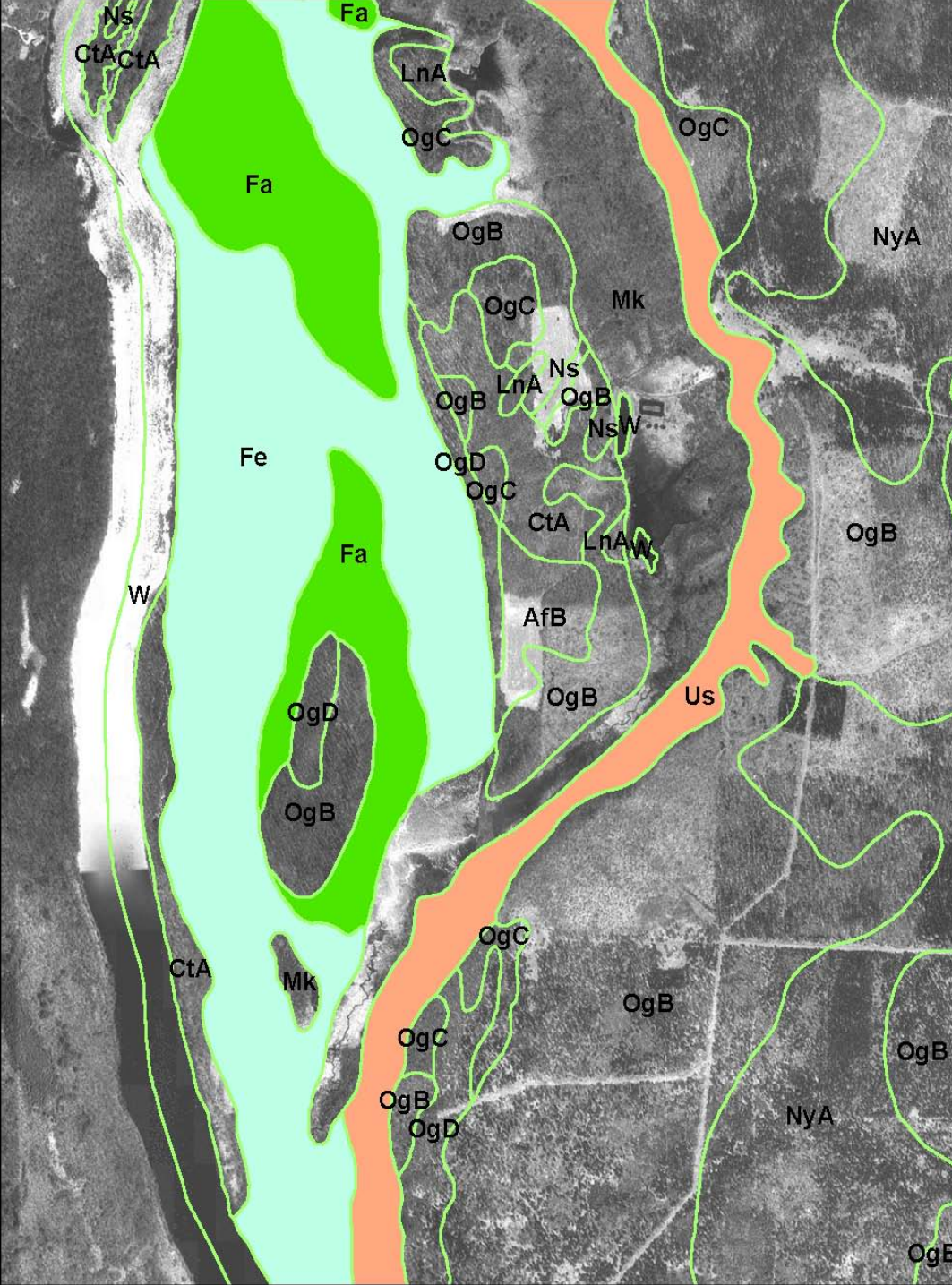
Phase 1: By June 30, 2007

Phase 2: By ?

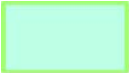

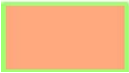
A) Continue the process of developing perfect joins through field investigations and data collection.

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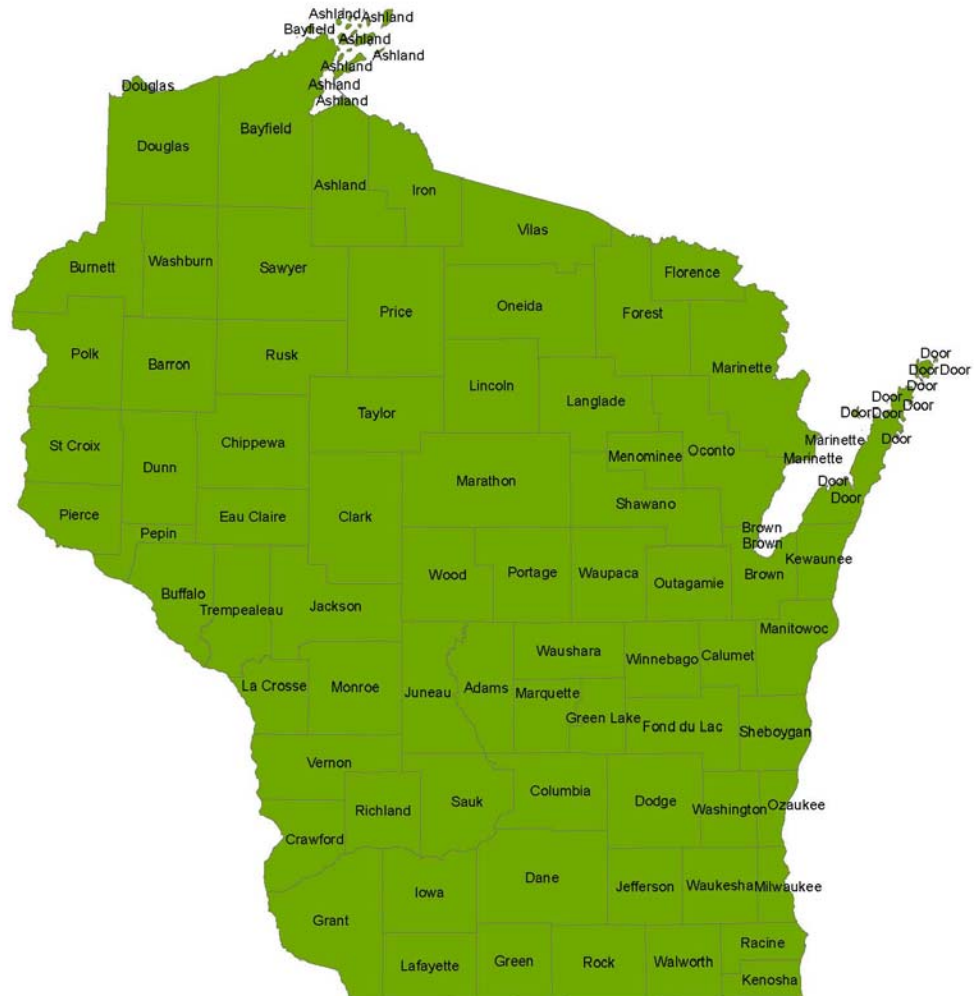
As the need presents itself, address soil survey user needs for more detailed soil information.



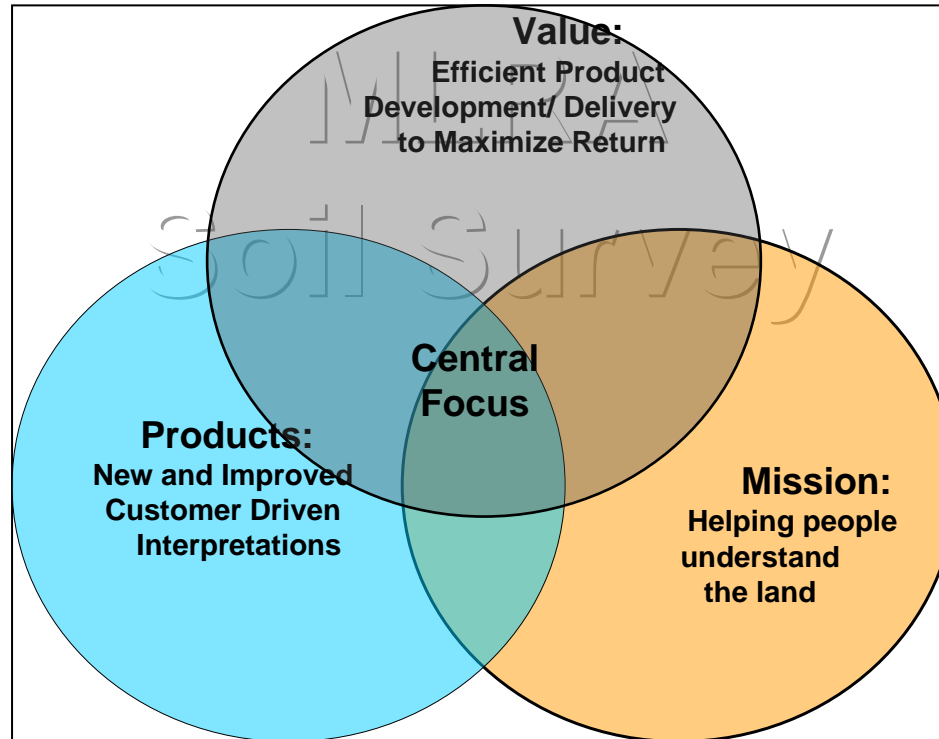
POLK COUNTY

-  **Fe** - Fluvaquents, wet
-  **Fa** - Fluvaquents
-  **Us** - Udorthents, sandy

Seamless Statewide Soil Database (Spatial and Tabular)



Wisconsin Soil Survey Strategy



- 1. Seamless Databases**
- 2. Consistency in Data**
- 3. New and Improved Interpretations**
- 4. Targeted Increases in Customers**