



Pearl River Basin, Mississippi, Federal Flood Risk Management Project

Appendix C - Agency Coordination



June 2024

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May 2, 2024

Attn: Jordan R. Logarbo, Biologist
U.S. Army Corps of Engineers
New Orleans District
Regional Planning and Environment Division, South
jordan.r.logarbo@usace.army.mil
office: (504) 862-1158

Re: Pearl River Basin NRCS Coordination

Dear Ms. Logarbo,

This is in response to your April 30, 2024 email , concerning the updated Pearl River Basin project. This activity is not likely to impact prime, unique, statewide, or local important farmland as define by the Farmland Protection Policy Act (FPPA); therefore, no further FPPA documentation will be required.

If you need any further assistance, please contact me via phone: 601-863-3934 or Email: james.curtis2@usda.gov .

Sincerely,

State Soil Scientist



July 17, 2023

Attn: Jordan R. Logarbo, Biologist
U.S. Army Corps of Engineers
New Orleans District
Regional Planning and Environment Division, South
jordan.r.logarbo@usace.army.mil
office: (504) 862-1158

Re: Pearl River Basin NRCS Coordination

Dear Ms. Logarbo,

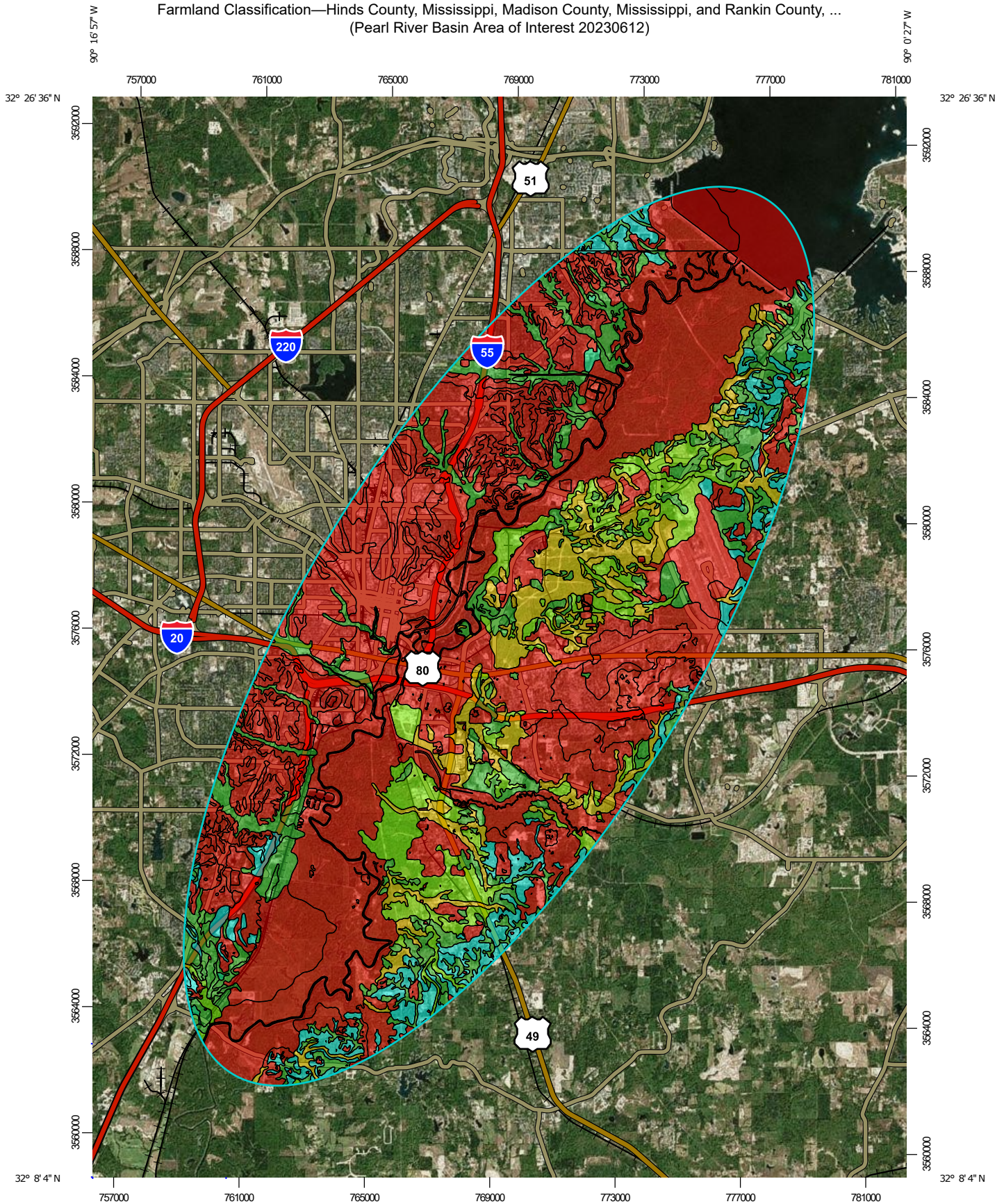
This is in response to your June 13, 2023 email , concerning the Pearl River Basin project. This activity is not likely to impact prime, unique, statewide, or local important farmland as define by the Farmland Protection Policy Act (FPPA); therefore, no further FPPA documentation will be required.

If you need any further assistance, please contact me via phone: 601-863-3934 or Email:
james.curtis2@usda.gov .

Sincerely,

State Soil Scientist

Farmland Classification—Hinds County, Mississippi, Madison County, Mississippi, and Rankin County, ...
(Pearl River Basin Area of Interest 20230612)



Map Scale: 1:167,000 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

6/12/2023
Page 1 of 10

Farmland Classification—Hinds County, Mississippi, Madison County, Mississippi, and Rankin County, Mississippi
(Pearl River Basin Area of Interest 20230612)









MAP LEGEND








Area of Interest (AOI)






 Area of Interest (AOI)








Soils



Soil Rating Polygons

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season









-  Prime farmland if subsoiled, completely removing the root inhibiting soil layer
-  Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
-  Prime farmland if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance
-  Farmland of statewide importance, if drained
-  Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if irrigated

-  Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if irrigated and drained
-  Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
-  Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60





































-  Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if warm enough
-  Farmland of statewide importance, if thawed
-  Farmland of local importance
-  Farmland of local importance, if irrigated

-  Farmland of unique importance
-  Not rated or not available





















Soil Rating Lines

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

Farmland Classification—Hinds County, Mississippi, Madison County, Mississippi, and Rankin County, Mississippi
(Pearl River Basin Area of Interest 20230612)

	Prime farmland if subsoiled, completely removing the root inhibiting soil layer		Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium		Farmland of unique importance		Prime farmland if subsoiled, completely removing the root inhibiting soil layer
	Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60		Farmland of statewide importance, if irrigated and drained		Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season		Not prime farmland		Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
	Prime farmland if irrigated and reclaimed of excess salts and sodium		Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season		All areas are prime farmland		Prime farmland if irrigated and reclaimed of excess salts and sodium
	Farmland of statewide importance		Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer		Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season		Prime farmland if protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance
	Farmland of statewide importance, if drained		Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60		Farmland of statewide importance, if warm enough		Prime farmland if irrigated		Farmland of statewide importance, if drained
	Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season				Farmland of statewide importance, if thawed		Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
	Farmland of statewide importance, if irrigated				Farmland of local importance		Prime farmland if irrigated and drained		Farmland of statewide importance, if irrigated
					Farmland of local importance, if irrigated		Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season		

Farmland Classification—Hinds County, Mississippi, Madison County, Mississippi, and Rankin County, Mississippi
(Pearl River Basin Area of Interest 20230612)

	Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium		Farmland of unique importance	<p>The soil surveys that comprise your AOI were mapped at 1:20,000.</p> <p>Please rely on the bar scale on each map sheet for map measurements.</p> <p>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</p> <p>Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.</p> <p>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</p> <p>Soil Survey Area: Hinds County, Mississippi Survey Area Data: Version 20, Sep 9, 2022</p> <p>Soil Survey Area: Madison County, Mississippi Survey Area Data: Version 17, Sep 9, 2022</p> <p>Soil Survey Area: Rankin County, Mississippi Survey Area Data: Version 18, Sep 9, 2022</p> <p>Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.</p> <p>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</p> <p>Date(s) aerial images were photographed: Jan 1, 1999—Dec 31, 2003</p> <p>The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.</p>
	Farmland of statewide importance, if irrigated and drained		Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season		Not rated or not available	
	Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season	Water Features		
	Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer		Farmland of statewide importance, if warm enough	Streams and Canals		
	Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60		Farmland of statewide importance, if thawed	Transportation		
			Farmland of local importance		Rails	
			Farmland of local importance, if irrigated		Interstate Highways	
					US Routes	
					Major Roads	
					Local Roads	
				Background		
					Aerial Photography	

Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Ad	Adler silt loam	All areas are prime farmland	326.1	0.4%
BD	Bonn-Deerford association	Not prime farmland	1,678.4	2.1%
BrB2	Byram silt loam, 2 to 5 percent slopes, eroded	All areas are prime farmland	16.9	0.0%
BrC2	Byram silt loam, 5 to 8 percent slopes, eroded	Farmland of statewide importance	144.1	0.2%
BuC	Byram-Urban land complex, 2 to 8 percent slopes	Not prime farmland	3,033.1	3.8%
Ca	Calhoun silt loam	Prime farmland if drained	107.0	0.1%
Co	Calloway silt loam	All areas are prime farmland	680.2	0.9%
CuA	Calloway-Urban land complex	Not prime farmland	1,167.1	1.5%
CY	Cascilla-Chenneby association	Not prime farmland	5,530.3	7.0%
GrA	Grenada silt loam, 0 to 2 percent slopes	All areas are prime farmland	632.2	0.8%
GrB	Grenada silt loam, 2 to 5 percent slopes	All areas are prime farmland	258.8	0.3%
LoB2	Loring silt loam, 2 to 5 percent slopes, moderately eroded, central	All areas are prime farmland	195.1	0.2%
LoC2	Loring silt loam, 5 to 8 percent slopes, moderately eroded, central	Farmland of statewide importance	116.9	0.1%
LoD3	Loring silt loam, 8 to 17 percent slopes, severely eroded	Not prime farmland	3.1	0.0%
LuC	Loring-Urban land complex, 2 to 8 percent slopes	Not prime farmland	5,094.9	6.4%
LuD	Loring-Urban land complex, 8 to 15 percent slopes	Not prime farmland	119.4	0.2%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Oa	Oaklimer silt loam, 0 to 2 percent slopes, occasionally flooded, north	Prime farmland if protected from flooding or not frequently flooded during the growing season	128.2	0.2%
Pa	Pits	Not prime farmland	66.8	0.1%
PoB2	Providence silt loam, 2 to 5 percent slopes, eroded	All areas are prime farmland	15.3	0.0%
PoC2	Providence silt loam, 5 to 8 percent slopes, eroded	Farmland of statewide importance	112.7	0.1%
PoD2	Providence silt loam, 8 to 15 percent slopes, eroded	Not prime farmland	28.0	0.0%
PrE	Providence-Smithdale complex, 8 to 20 percent slopes	Not prime farmland	593.7	0.7%
Re	Riedtown silt loam, 0 to 2 percent slopes, occasionally flooded	All areas are prime farmland	2,502.5	3.2%
SeB2	Siwell silt loam, 2 to 5 percent slopes, eroded	Farmland of statewide importance	23.1	0.0%
SeC2	Siwell silt loam, 5 to 8 percent slopes, eroded	Farmland of statewide importance	162.0	0.2%
SuC	Siwell-Urban land complex, 2 to 8 percent slopes	Not prime farmland	2,303.5	2.9%
SuD	Siwell-Urban land complex, 8 to 15 percent slopes	Not prime farmland	2,846.1	3.6%
Ur	Urban land	Not prime farmland	1,438.1	1.8%
W	Water	Not prime farmland	1,145.3	1.4%
Subtotals for Soil Survey Area			30,468.9	38.4%
Totals for Area of Interest			79,379.3	100.0%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
BrB2	Byram silt loam, 2 to 5 percent slopes, eroded	All areas are prime farmland	68.8	0.1%
BrC2	Byram silt loam, 5 to 8 percent slopes, eroded	Farmland of statewide importance	319.6	0.4%
BrD3	Byram silt loam, 8 to 12 percent slopes, severely eroded	Not prime farmland	67.3	0.1%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CC	Cascilla-Calhoun association	Not prime farmland	522.5	0.7%
LoB2	Loring silt loam, 2 to 5 percent slopes, moderately eroded, central	All areas are prime farmland	7.6	0.0%
Re	Riedtown silt loam, 0 to 2 percent slopes, occasionally flooded	All areas are prime farmland	88.6	0.1%
SeD3	Siwell silt loam, 8 to 12 percent slopes, severely eroded	Not prime farmland	2.2	0.0%
W	Water	Not prime farmland	552.3	0.7%
Subtotals for Soil Survey Area			1,628.9	2.1%
Totals for Area of Interest			79,379.3	100.0%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
2	Cascilla-Arkabutla association, frequently flooded	Not prime farmland	9,268.9	11.7%
3	Oaklimeter silt loam, 0 to 2 percent slopes, occasionally flooded, north	Prime farmland if protected from flooding or not frequently flooded during the growing season	782.8	1.0%
5	Gillsburg silt loam, 0 to 2 percent slopes, occasionally flooded	Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season	3,722.1	4.7%
6	Oaklimeter-Gillsburg association, frequently flooded	Not prime farmland	1,064.8	1.3%
7	Kirkville fine sandy loam, 0 to 2 percent slopes, occasionally flooded	All areas are prime farmland	224.8	0.3%
8	Urbo silty clay loam, 0 to 2 percent slopes, occasionally flooded, blackland prairie	Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season	155.8	0.2%
12A	Cahaba fine sandy loam, 0 to 2 percent slopes, rarely flooded	All areas are prime farmland	178.8	0.2%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
17	Tippo-Urban land complex, 0 to 2 percent slopes	Not prime farmland	4,017.0	5.1%
21A	Leverett silt loam, 0 to 2 percent slopes	All areas are prime farmland	1,866.7	2.4%
22A	Tippo silt loam, 0 to 2 percent slopes, occasionally flooded	Prime farmland if protected from flooding or not frequently flooded during the growing season	5,070.3	6.4%
23	Guyton silt loam, 0 to 1 percent slopes, occasionally flooded	Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season	2,268.8	2.9%
35B2	Tippah silt loam, 2 to 5 percent slopes, eroded	All areas are prime farmland	871.9	1.1%
35C2	Tippah silt loam, 5 to 8 percent slopes, moderately eroded	Farmland of statewide importance	1,553.3	2.0%
35D2	Tippah silt loam, 8 to 12 percent slopes, eroded	Not prime farmland	163.0	0.2%
36B	Kipling-Urban land complex, 2 to 8 percent slopes	Not prime farmland	2,671.1	3.4%
38	Pits-Udorthents complex	Not prime farmland	511.3	0.6%
41B2	Providence silt loam, 2 to 5 percent slopes, eroded	All areas are prime farmland	1,139.5	1.4%
41C2	Providence silt loam, 5 to 8 percent slopes, moderately eroded	Farmland of statewide importance	1,122.9	1.4%
42B	Providence-Urban land complex, 2 to 8 percent slopes	Not prime farmland	2,966.1	3.7%
48C2	Ora fine sandy loam, 5 to 8 percent slopes, eroded	Farmland of statewide importance	18.5	0.0%
49B2	Savannah loam, 2 to 5 percent slopes, eroded	All areas are prime farmland	145.3	0.2%
49C2	Savannah loam, 5 to 8 percent slopes, moderately eroded	Farmland of statewide importance	152.3	0.2%
51B	Falkner silt loam, 2 to 5 percent slopes	All areas are prime farmland	390.9	0.5%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
55B	Kipling silt loam, 2 to 5 percent slopes	All areas are prime farmland	1,032.7	1.3%
55C2	Kipling silt loam, 5 to 8 percent slopes, moderately eroded	Farmland of statewide importance	463.7	0.6%
56A	Pelahatchie silt loam, 0 to 2 percent slopes	All areas are prime farmland	19.1	0.0%
56B	Pelahatchie silt loam, 2 to 5 percent slopes	All areas are prime farmland	50.8	0.1%
65D	Smithdale-Providence complex, 8 to 17 percent slopes	Not prime farmland	2,870.2	3.6%
W	Water	Not prime farmland	2,518.0	3.2%
Subtotals for Soil Survey Area			47,281.4	59.6%
Totals for Area of Interest			79,379.3	100.0%

Description

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The majority of soil attributes are associated with a component of a map unit, and such an attribute has to be aggregated to the map unit level before a thematic map can be rendered. Map units, however, also have their own attributes. An attribute of a map unit does not have to be aggregated in order to render a corresponding thematic map. Therefore, the "aggregation method" for any attribute of a map unit is referred to as "No Aggregation Necessary".

Tie-break Rule: Lower

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

To: Blake Mendrop <bmendrop@mendrop.net>
Cc: Ely, Jeff <Jely@mdot.ms.gov>; Frederick, Lee <lfrederick@mdot.ms.gov>
Subject: RE: Updated

Mr. Mendrop

In reference to the paragraph you sent concerning the Corps Draft EIS document, and based off of the information we have at this time, we are ok with it. As more information becomes available, please continue to share this information so that we are kept informed of the steps going forward.

Thanks

Earl Glenn, Jr., P.E.

*Deputy Dir.-Chief Engineer
Mississippi Dept. of Transportation
601-359-7004*

From: Blake Mendrop <bmendrop@mendrop.net>
Sent: Wednesday, April 17, 2024 5:43 PM
To: Glenn, Earl <eglenn@mdot.ms.gov>
Cc: Ely, Jeff <Jely@mdot.ms.gov>; Frederick, Lee <lfrederick@mdot.ms.gov>
Subject: RE: Updated

Earl,

Would this paragraph be suitable for the Corps DRAFT EIS document ? Please call if you have any questions.

Thank you.

Blake 601-540-8785

From: Glenn, Earl <eglenn@mdot.ms.gov>
Sent: Friday, April 5, 2024 8:35 AM
To: Blake Mendrop <bmendrop@mendrop.net>
Cc: Ely, Jeff <Jely@mdot.ms.gov>; Frederick, Lee <lfrederick@mdot.ms.gov>
Subject: RE: Updated

Mr. Mendrop

I was forwarded your email, seems there was a typo in the email address should be eglenn@mdot.ms.gov. Thanks for adding this additional information.

Earl Glenn, Jr., P.E.

*Deputy Dir.-Chief Engineer
Mississippi Dept. of Transportation
601-359-7004*

From: Ely, Jeff <Jely@mdot.ms.gov>
Sent: Thursday, April 4, 2024 4:24 PM
To: Glenn, Earl <eglenn@mdot.ms.gov>
Subject: FW: Updated

Earl,

It looks like this may not have made it to you.

Jeff

From: Blake Mendrop <bmendrop@mendrop.net>
Sent: Thursday, April 4, 2024 1:57 PM
To: egleen@mdot.ms.gov
Cc: White, Brad <bwhite@mdot.ms.gov>; Ely, Jeff <Jely@mdot.ms.gov>
Subject: Updated

Earl:

See updated sheet that shows all bridges. The map had them all but for your file I have now included the 2 relief bridges on Highway 25. As discussed, we will not be close to them with excavation. However, I wanted to alleviate any confusion and be consistent with map and sheet.

Thank all of you again for your help on this.
Blake