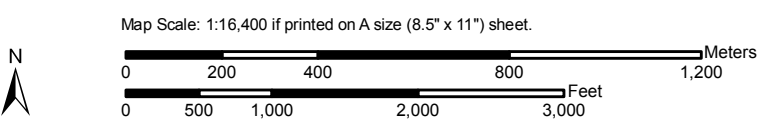
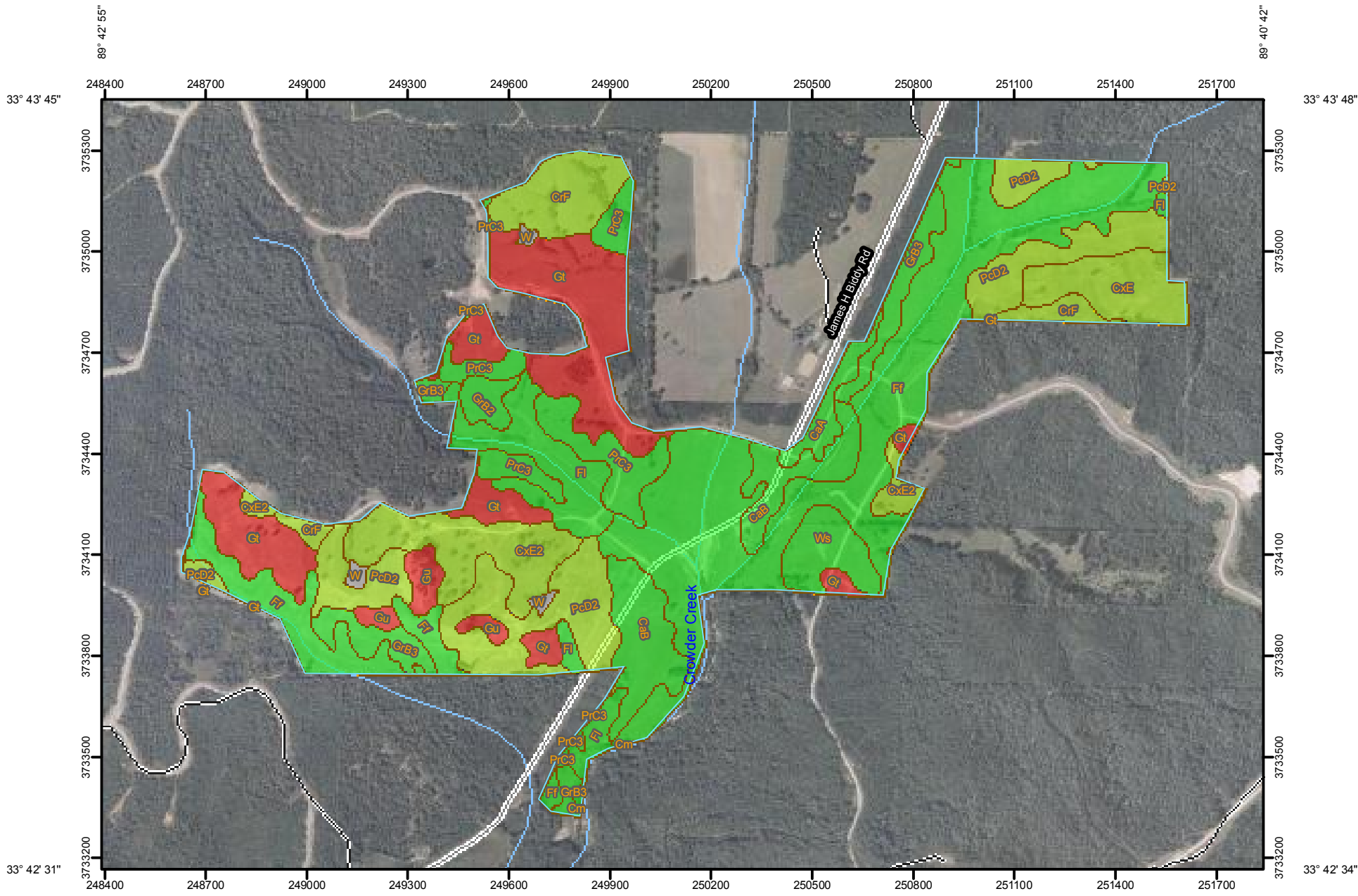



Erosion Hazard (Off-Road, Off-Trail)—Grenada County, Mississippi



MAP LEGEND

Area of Interest (AOI)


 Area of Interest (AOI)

Soils

 Soil Map Units

Soil Ratings

 Very severe

 Severe

 Moderate


 Slight

 Not rated or not available


Political Features

 Cities

Federal Land

 Department of Defense

Water Features

 Streams and Canals


Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

MAP INFORMATION

Map Scale: 1:16,400 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:15,840.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 16N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Grenada County, Mississippi
Survey Area Data: Version 9, Jul 8, 2010

Date(s) aerial images were photographed: 9/30/2004

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.

Erosion Hazard (Off-Road, Off-Trail)

Erosion Hazard (Off-Road, Off-Trail)— Summary by Map Unit — Grenada County, Mississippi (MS043)						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
CaA	Calloway silt loam, 0 to 2 percent slopes	Slight	Calloway (90%)		6.7	1.4%
			Unnamed hydric soils (134de) (3%)			
CaB	Calloway silt loam, 2 to 5 percent slopes	Slight	Calloway (90%)		30.5	6.2%
			Unnamed hydric soils (134de) (3%)			
Cm	Collins silt loam	Slight	Collins (90%)		0.7	0.1%
			Unnamed hydric soils (134de) (3%)			
CrF	Cuthbert-Ruston association, hilly (sweatman, smithdale)	Moderate	Cuthbert (46%)	Slope/erodibility (0.50)	24.2	4.9%
			Ruston (31%)	Slope/erodibility (0.50)		
CxE	Cuthbert-Ruston complex, 12 to 17 percent slopes (sweatman, smithdale)	Moderate	Cuthbert (45%)	Slope/erodibility (0.50)	18.9	3.9%
			Ruston (40%)	Slope/erodibility (0.50)		
CxE2	Cuthbert-Ruston complex, 12 to 17 percent slopes, eroded (sweatman, smithdale)	Moderate	Cuthbert (45%)	Slope/erodibility (0.50)	32.0	6.5%
			Ruston (40%)	Slope/erodibility (0.50)		
Ff	Falaya silt loam	Slight	Falaya (90%)		144.4	29.5%
			Unnamed hydric soils (134de) (3%)			
Fl	Falaya silt loam, local alluvium	Slight	Falaya (90%)		28.3	5.8%
			Unnamed hydric soils (134de) (3%)			
GrB2	Grenada silt loam, 2 to 5 percent slopes, eroded	Slight	Grenada (90%)		4.8	1.0%
GrB3	Grenada silt loam, 2 to 5 percent slopes, severely eroded	Slight	Grenada, severely eroded (90%)		19.7	4.0%
Gt	Gullied land, sandy	Very Severe	Gullied land (100%)	Not rated (1.00)	67.4	13.8%
				Slope/erodibility (0.50)		
Gu	Gullied land, silty	Very Severe	Gullied land (100%)	Not rated (1.00)	7.7	1.6%
				Slope/erodibility (0.50)		
PcD2	Providence-Loring complex, 8 to 12 percent slopes, eroded	Moderate	Providence (50%)	Slope/erodibility (0.50)	63.2	12.9%
			Loring (40%)	Slope/erodibility (0.50)		

Erosion Hazard (Off-Road, Off-Trail)— Summary by Map Unit — Grenada County, Mississippi (MS043)						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
PrC3	Providence silt loam, 5 to 8 percent slopes, severely eroded	Slight	Providence, severely eroded (90%)		26.8	5.5%
			Unnamed hydric soils (134dr) (2%)			
W	Water				2.3	0.5%
Ws	Waverly silt loam	Slight	Waverly (90%)		12.4	2.5%
Totals for Area of Interest					489.9	100.0%

Erosion Hazard (Off-Road, Off-Trail)— Summary by Rating Value		
Rating	Acres in AOI	Percent of AOI
Slight	274.1	56.0%
Moderate	138.4	28.3%
Very Severe	75.1	15.3%
Null or Not Rated	2.3	0.5%
Totals for Area of Interest	489.9	100.0%

Description

The ratings in this interpretation indicate the hazard of soil loss from off-road and off-trail areas after disturbance activities that expose the soil surface. The ratings are based on slope and soil erosion factor K. The soil loss is caused by sheet or rill erosion in off-road or off-trail areas where 50 to 75 percent of the surface has been exposed by logging, grazing, mining, or other kinds of disturbance.

The ratings are both verbal and numerical. The hazard is described as "slight," "moderate," "severe," or "very severe." A rating of "slight" indicates that erosion is unlikely under ordinary climatic conditions; "moderate" indicates that some erosion is likely and that erosion-control measures may be needed; "severe" indicates that erosion is very likely and that erosion-control measures, including revegetation of bare areas, are advised; and "very severe" indicates that significant erosion is expected, loss of soil productivity and off-site damage are likely, and erosion-control measures are costly and generally impractical.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the specified aspect of forestland management (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher