

APPENDIX D:

Soils with a Moderate and Severe Potential for Erosion Hazard

Table D-1. Soils in the Study Area with a Moderate and Severe Potential for Erosion Hazard (Road/Trail)		
Soil Unit	Potential for Erosion Hazard Ranking	County
Alvin-Princeton fine sandy loam, 2 to 6 percent slopes	Moderate	Bartholomew, IN
Alvin-Princeton fine sandy loam, 6 to 12 percent slopes, eroded	Severe	Bartholomew, IN
Blocher-Cincinnati silt loams, 6 to 12 percent slopes, eroded	Severe	Bartholomew, IN
Blocher-Bonnell silt loams, 12 to 25 percent slopes, eroded	Severe	Bartholomew, IN
Fox loam, 2 to 6 percent slopes, eroded	Moderate	Bartholomew, IN
Fox-Casco sandy loams, 6 to 12 percent slopes, severely eroded	Moderate	Bartholomew, IN
Martinsville loam, sandy substratum, 2 to 6 percent slopes, eroded	Moderate	Bartholomew, IN
Miami clay loam, 6 to 12 percent slopes, severely eroded	Severe	Bartholomew, IN
Nabb silt loam, 2 to 6 percent slopes, eroded	Moderate	Bartholomew, IN
Pekin silt loam, 2 to 6 percent slopes, eroded	Moderate	Bartholomew, IN
Urban land-Fox complex, 2 to 6 percent slopes ¹	Moderate	Bartholomew, IN
Blocher, softbedrock substratum-Weddel silt loam, 6 to 12 percent slopes, eroded	Severe	Clark, IN
Cincinnati-Blocher silt loam, 6 to 12 percent slopes, eroded	Severe	Clark, IN
Cincinnati-Blocher silt loam, 6 to 12 percent slopes, severely eroded	Severe	Clark, IN
Deam silty clay loam, 20 to 55 percent slopes	Severe	Clark, IN
Deputy-Trappist silt loam, 6 to 12 percent slopes, eroded	Severe	Clark, IN
Haubstadt silt loam, 2 to 6 percent slopes, eroded	Moderate	Clark, IN
Hickory-Bonnell complex, 12 to 25 percent slopes	Severe	Clark, IN
Jennings silt loam, 2 to 6 percent slopes, eroded	Moderate	Clark, IN

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Soil Unit	Potential for Erosion Hazard Ranking	County
Markland silt loam, 18 to 50 percent slopes, rarely flooded	Severe	Clark, IN
Markland silt loam, 12 to 25 percent slopes, eroded, rarely flooded	Severe	Clark, IN
Nabb silt loam, 2 to 6 percent slopes, eroded	Moderate	Clark, IN
Pekin silt loam, 2 to 6 percent slopes, eroded	Moderate	Clark, IN
Pekin silt loam, 6 to 12 percent slopes, eroded	Severe	Clark, IN
Scottsburg silt loam, 2 to 4 percent slopes, eroded	Moderate	Clark, IN
Trappist-Rohan complex, 12 to 25 percent slopes, severely eroded	Severe	Clark, IN
Trappist-Deputy complex, 6 to 12 percent slopes, severely eroded	Severe	Clark, IN
Weddel silt loam, 2 to 6 percent slopes, eroded	Moderate	Clark, IN
Bloomfield-Alvin complex, 6 to 15 percent slopes, eroded	Moderate	Jackson, IN
Dubois silt loam, 2 to 6 percent slopes, eroded	Moderate	Jackson, IN
Haubstadt silt loam, 2 to 6 percent slopes, eroded	Moderate	Jackson, IN
Negley silt loam, 12 to 18 percent slopes, eroded	Severe	Jackson, IN
Otwell silt loam, 6 to 12 percent slopes, eroded	Severe	Jackson, IN
Otwell silt loam, 6 to 12 percent slopes, severely eroded	Severe	Jackson, IN
Parke silt loam, 2 to 6 percent slopes, eroded	Moderate	Jackson, IN
Urban land-Dubois complex, 2 to 6 percent slopes ²	Moderate	Jackson, IN
Urban land-Haubstadt complex, 2 to 6 percent slopes ³	Moderate	Jackson, IN
Crosby-Miami silt loams, 2 to 4 percent slopes, eroded	Moderate	Johnson, IN
Fox loam, 2 to 6 percent slopes, eroded	Moderate	Johnson, IN

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Soil Unit	Potential for Erosion Hazard Ranking	County
Fox complex, 6 to 12 percent slopes, eroded	Moderate	Johnson, IN
Hennepin loam, 25 to 50 percent slopes	Severe	Johnson, IN
Miami silt loam, 2 to 6 percent slopes, eroded	Moderate	Johnson, IN
Miami silt loam, 6 to 12 percent slopes, eroded	Moderate	Johnson, IN
Miami silt loam, 12 to 18 percent slopes, eroded	Severe	Johnson, IN
Miami clay loam, 2 to 6 percent slopes, severely eroded	Moderate	Johnson, IN
Miami clay loam, 6 to 12 percent slopes, severely eroded	Moderate	Johnson, IN
Miami clay loam, 12 to 18 percent slopes, severely eroded	Severe	Johnson, IN
Miami silt loam, 2 to 6 percent slopes, eroded	Moderate	Marion, IN
Miami silt loam, 6 to 12 percent slopes, eroded	Severe	Marion, IN
Urban-land-Miami complex, 0 to 6 percent slopes ⁴	Moderate	Marion, IN
Urban-land-Miami complex, 6 to 12 percent slopes ⁵	Moderate	Marion, IN
Bartle silt loam, 2 to 4 percent slopes	Moderate	Scott, IN
Blocher, soft bedrock substratum – Weddel complex, 6 to 12 percent slopes, severely eroded	Severe	Scott, IN
Haubstadt silt loam, 2 to 6 percent slopes, eroded	Moderate	Scott, IN
Haubstadt-Shircliff silt loams, 6 to 15 percent slopes, eroded	Severe	Scott, IN
Haubstadt-Shircliff silt loams, 6 to 15 percent slopes, severely eroded	Severe	Scott, IN
Haubstadt-Urban land complex, 2 to 6 percent slopes ⁶	Moderate	Scott, IN
Jennings silt loam, 2 to 6 percent slopes, eroded	Moderate	Scott, IN

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Soil Unit	Potential for Erosion Hazard Ranking	County
Pekin silt loam, 2 to 6 percent slopes, eroded	Moderate	Scott, IN
Pekin silt loam, 6 to 12 percent slopes, severely eroded	Severe	Scott, IN

Source: USDA-NRCS 2012, *Hazard of Erosion and Suitability for Roads on Forestland*,
<http://soildatamart.nrcs.usda.gov/>.

Notes:

¹ The urban component is not rated; moderate potential for erosion hazard applies to the Fox component.

² The urban component is not rated; moderate potential for erosion hazard applies to the Dubois component.

^{3,6} The urban component is not rated; moderate potential for erosion hazard applies to the Haubstadt component.

^{4,5} The urban component is not rated; moderate potential for erosion hazard applies to the Miami component.