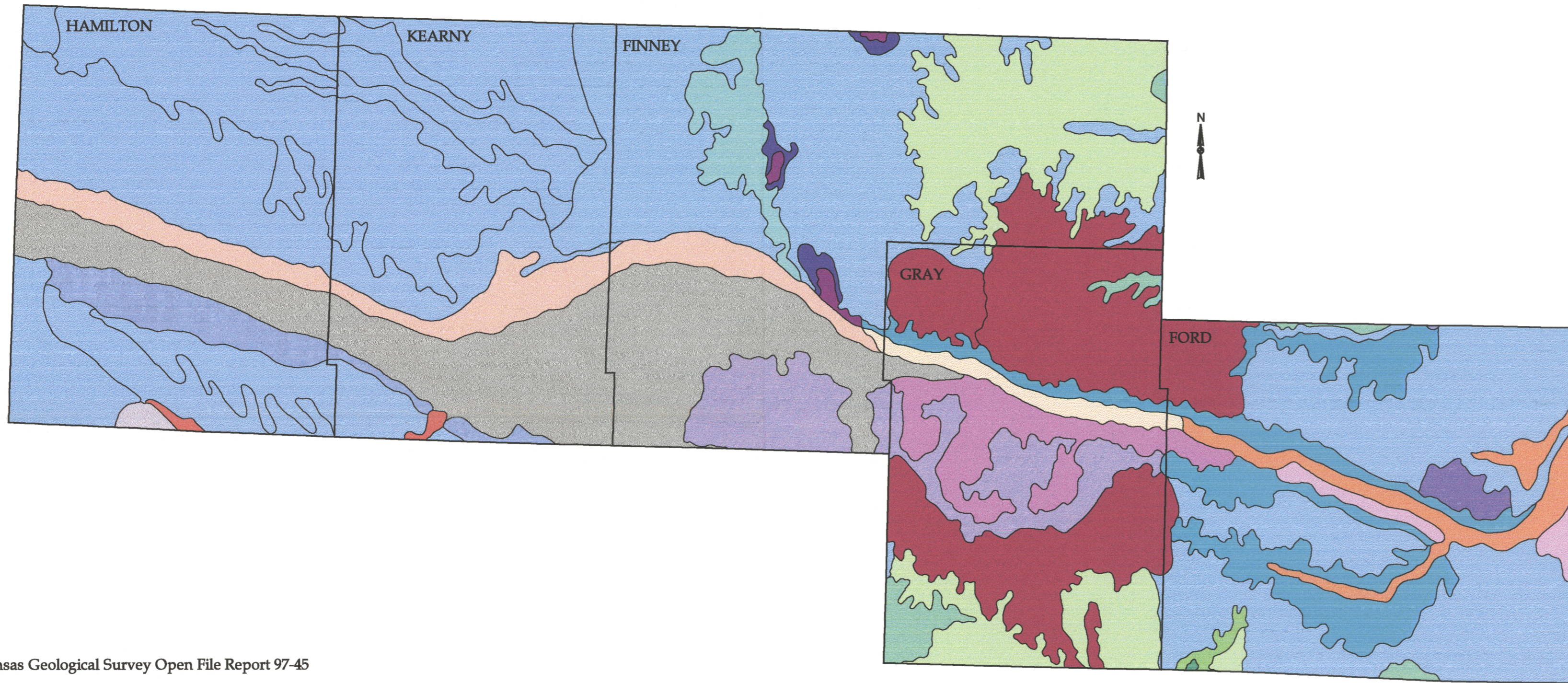


Surface Soils Classified by Texture in the Upper Arkansas River Corridor Study Area



EXPLANATION

The STATSGO map units were ranked using the surface soil texture information as an indication of the expected infiltration capacity of each map unit. The ranking scheme was developed by Don Whittemore and Rich Slezzer. (Map units with the same rank have been assigned identical colors)

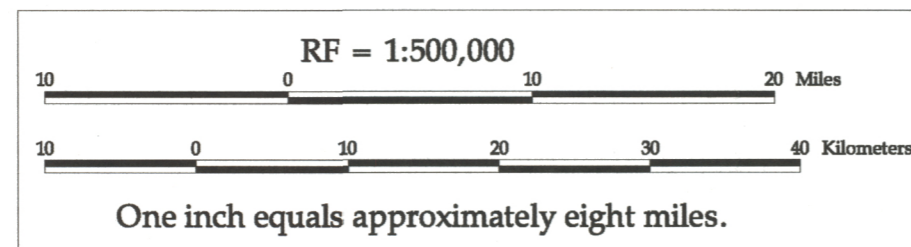
| Group Name | STATSGO Map Unit | Soil Texture 1 | Soil Texture 2 | Soil Texture 3 |
|------------------------------|-------------------------------------|-----------------------------|----------------|----------------|
| Silty Clay Loam to Clay Loam | 1. Spearville-Harney-Richfield | SiCL | SiL | SiL |
| | 2. Spearville-Richfield-Harney | SiCL | SiL | SiL |
| Clay Loam | 3. Bridgeport-Bridgeport-Ulysses | CL | SiCL-FSL | SiL-SiL |
| | 4. Lesho-Las Animas-Canadian | CL | SiL | FSL |
| | 5. Las Animas-Las Animas-Las Animas | CL | LS-SL | CL |
| | 6. Lesho-Las Animas-Sweetwater | CL | LS | FSL-SL |
| | 7. Harney-Missler-Missler | SiL | SiCL | SiCL |
| | 8. Richfield-Spearville-Ulysses | SiL | SiCL | SiL |
| Silt Loam | 9. Harney-Penden-Harney | SiL | SiCL | SiL |
| | 10. Roxbury-Leshara-Dale | SiL | CL | CL-SiL |
| | 11. Richfield-Penden-Ulysses | SiL | CL | SiL |
| | 12. Richfield-Drummond-Lebsack | SiL | SiL | SiCL |
| | 13. Harney-Uly-Penden | SiL | SiL | CL |
| | 14. Holdrege-Holdrege-Humbarger | SiL | SiL | CL |
| | 15. Richfield-Keith-Colby | SiL | SiL | SiL |
| | 16. Harney-Harney-Uly | SiL | SiL | SiL |
| | 17. Harney-Harney-Holdrege | SiL | SiL | SiL |
| | 18. Ulysses-Goshen-Ulysses | SiL | SiL | SiL |
| | 19. Harney-Richfield-Richfield | SiL | SiL | SiL |
| | 20. Richfield-Ulysses-Ulysses | SiL | SiL | SiL |
| | 21. Bridgeport-Dale-Fluents | SiL | SiL | SiL |
| | 22. Colby-Ulysses-Ulysses | SiL | SiL | SiL |
| | 23. Richfield-Ulysses-Ulysses | SiL | SiL | SiL |
| | 24. Hord-Canadian-Platte | SiL | SiL | FSL |
| | Loam to Fine Sandy Loam | 25. Campus-Carlon-Wellsford | L | L |
| 26. Ulysses-Ulysses-Manter | | L | L-SiL | FSL |
| Fine Sandy Loam | 27. Manter-Keith-Satanta | FSL | SiL | FSL-L |
| | 28. Dalhart-Attica-Lubbock | FSL | FSL | CL |
| | 29. Manter-Manter-Ulysses | FSL | FSL | L-SiL |
| | 30. Manter-Vona-Dalhart | FSL | LFS | FSL |
| Loamy Fine Sand to Fine Sand | 31. Valent-Otero-Penden | LFS | FSL-LFS | CL |
| | 32. Pratt-Naron-Attica | LFS | FSL | FSL |
| | 33. Pratt-Pratt-Tivoli | LFS | LFS | FS |
| | 34. Pratt-Tivoli-Tivoli | LFS | FS | LFS |
| | 35. Valent-Valent-Vona | FS | LFS | LFS |

Where C = Clay; Si = Silt; L = Loam; S = Sandy; and F = Fine

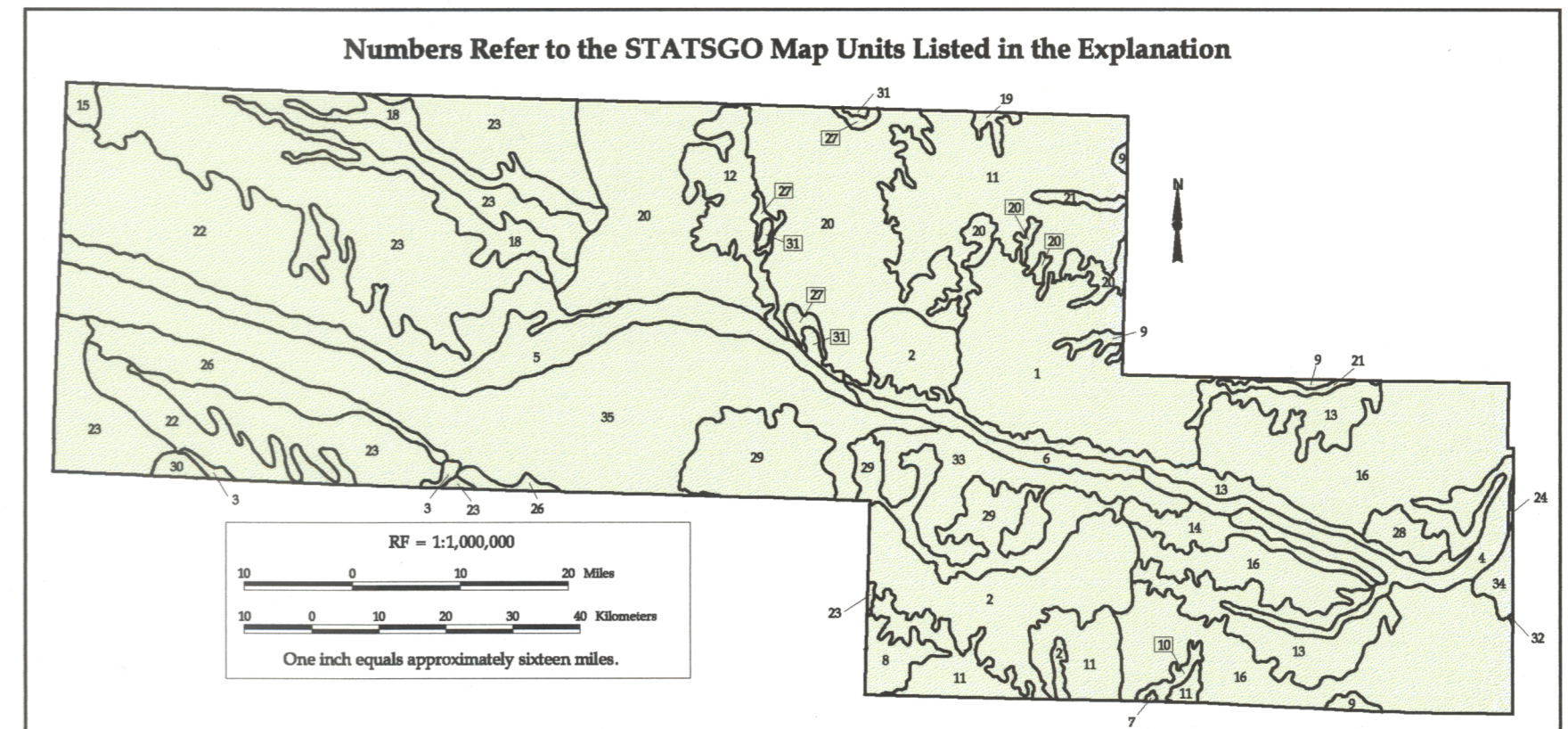
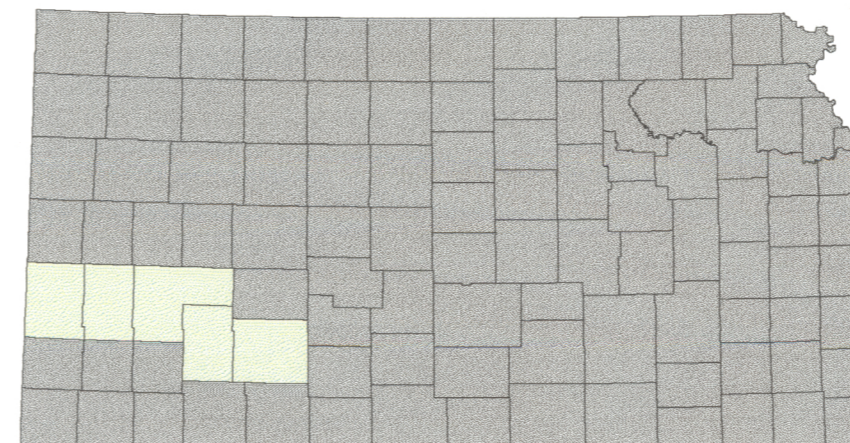
Kansas Geological Survey Open File Report 97-45

Plate B

This map has been prepared at the Kansas Geological Survey under a contract entitled "Upper Arkansas River Corridor Study" funded by the Kansas Water Plan through the Kansas Water Office. It is part of a series of map plates created to assist in the assessment of human and environmental influences on salinity migration into freshwater areas.



Locator Map



The Kansas Geological Survey does not guarantee this map to be free from errors or inaccuracies and disclaims any responsibility or liability for interpretations based on data used in the production of this map or decisions based thereon. This map is intended to make results of research available at the earliest possible date, but is not intended to constitute final or formal publication.

Projection: Lambert Conformal Conic
 Standard Parallels: 33 and 45 degrees North
 Central Meridian: 98.15 degrees West
 Latitude of Origin: 36 degrees North

Compiled by Lee Bissinger and Fritz Kessler at the Kansas Geological Survey in July 1997.

Data Source: U.S. Department of Agriculture, Natural Resources Conservation Service (NRCS), 1994