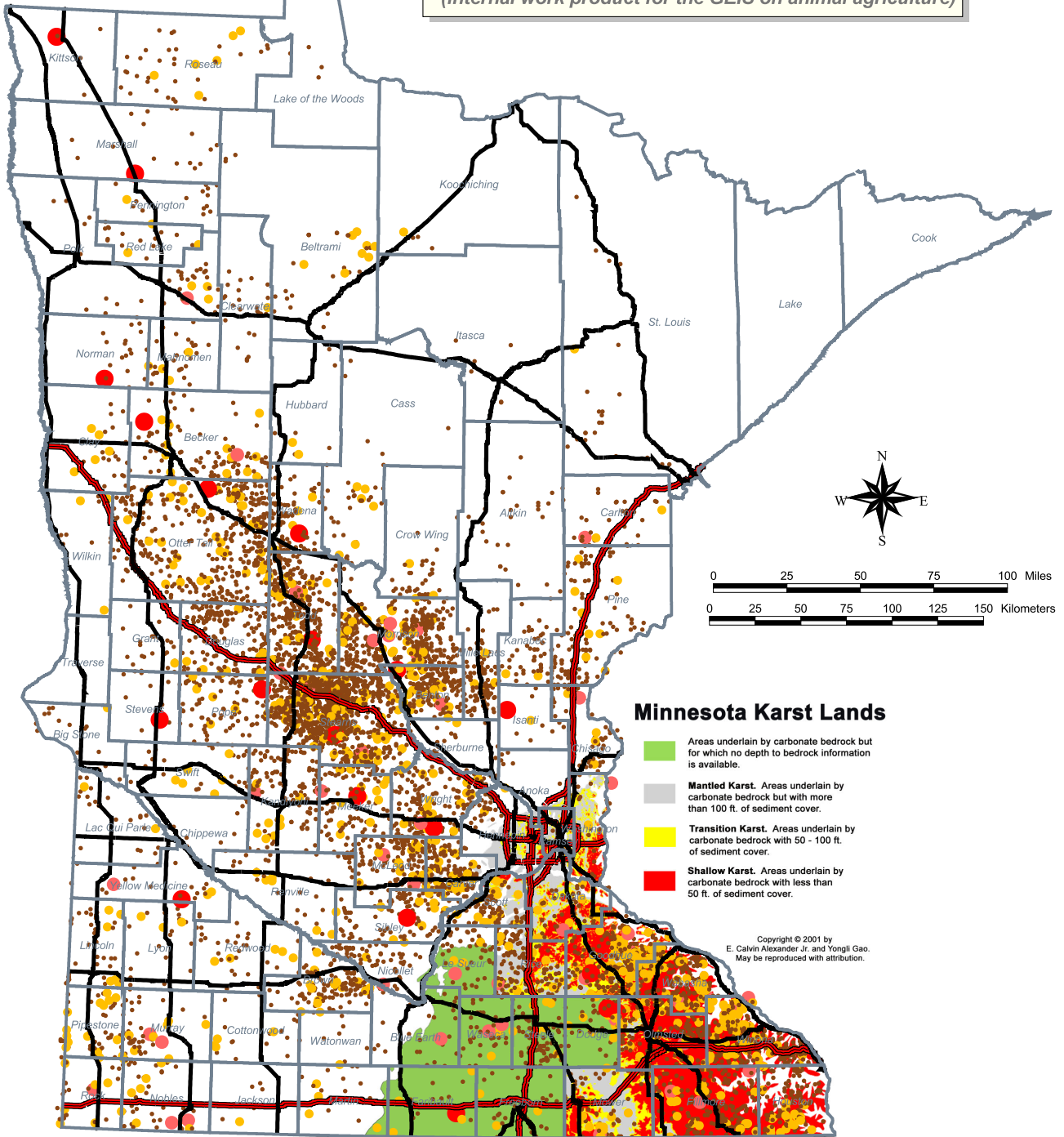


Dairy Operations and Karst Lands in Minnesota

DRAFT

(internal work product for the GEIS on animal agriculture)



Minnesota Karst Lands

- Areas underlain by carbonate bedrock but for which no depth to bedrock information is available.
- Mantled Karst.** Areas underlain by carbonate bedrock but with more than 100 ft. of sediment cover.
- Transition Karst.** Areas underlain by carbonate bedrock with 50 - 100 ft. of sediment cover.
- Shallow Karst.** Areas underlain by carbonate bedrock with less than 50 ft. of sediment cover.

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Map Key

Dairy Locations (number of head)¹

- Less than 100
- 100 - 399
- 400 - 714
- 715 or Greater

Data Sources:

1. Minnesota Department of Agriculture, 2001.
2. MN Department of Transportation, BaseMap, 1:24,000, 1997-98.
3. Land Management Information Center, TRS, 1:100,000.

Minnesota Karst Lands: Gao, Yongli, E. Calvin Alexander, Jr., and Robert Tipping, 2001. Application of GIS Technology to Study Karst Features of Southeastern Minnesota, Proceedings of the 8th Multidisciplinary Conference on Sinkhole and the Engineering and Environmental Impacts of Karst, Louisville, KY, 1-4 April, p.83-88.

Highways²

- Interstate
- US Hwy
- County Boundary³



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