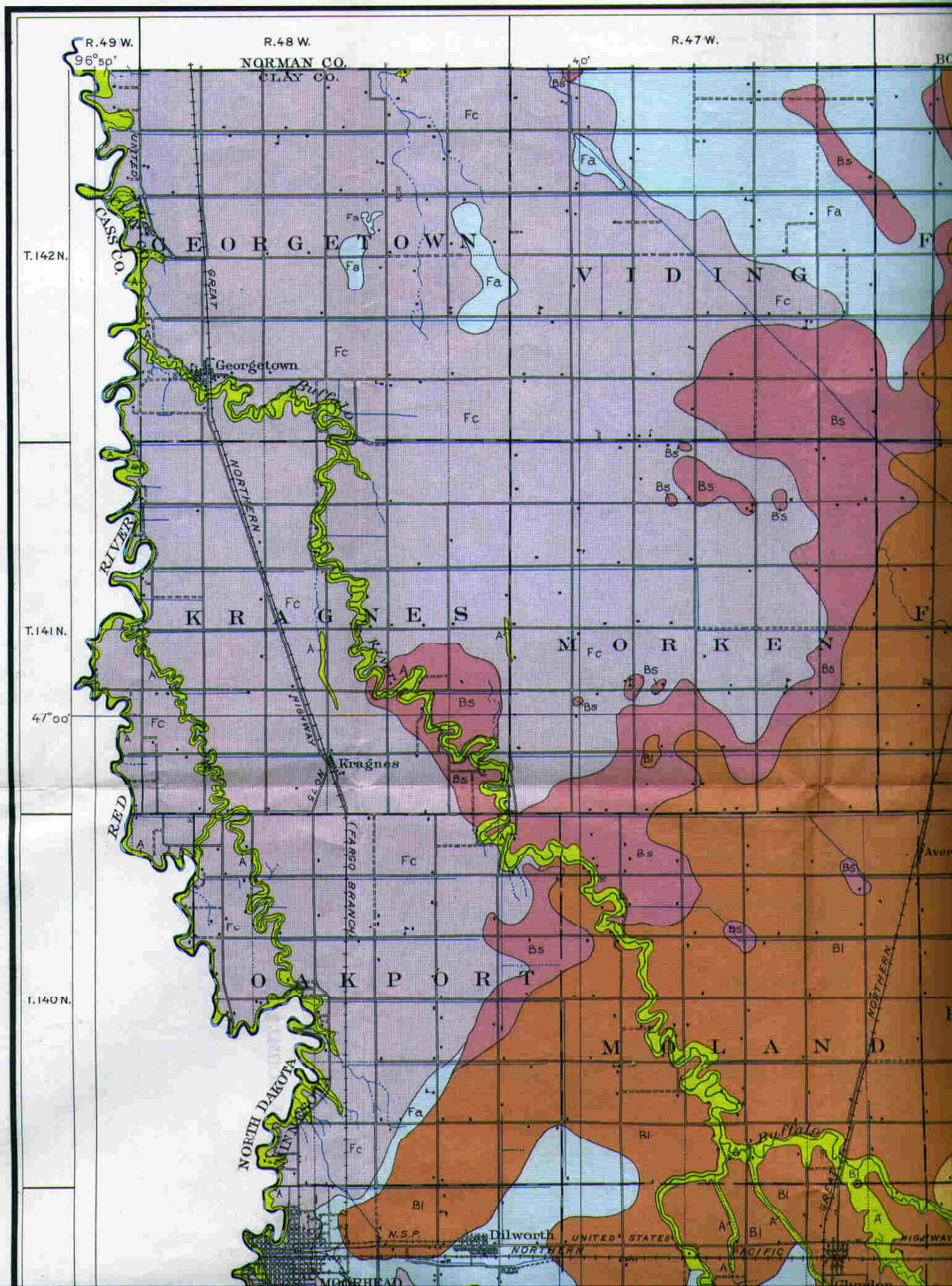


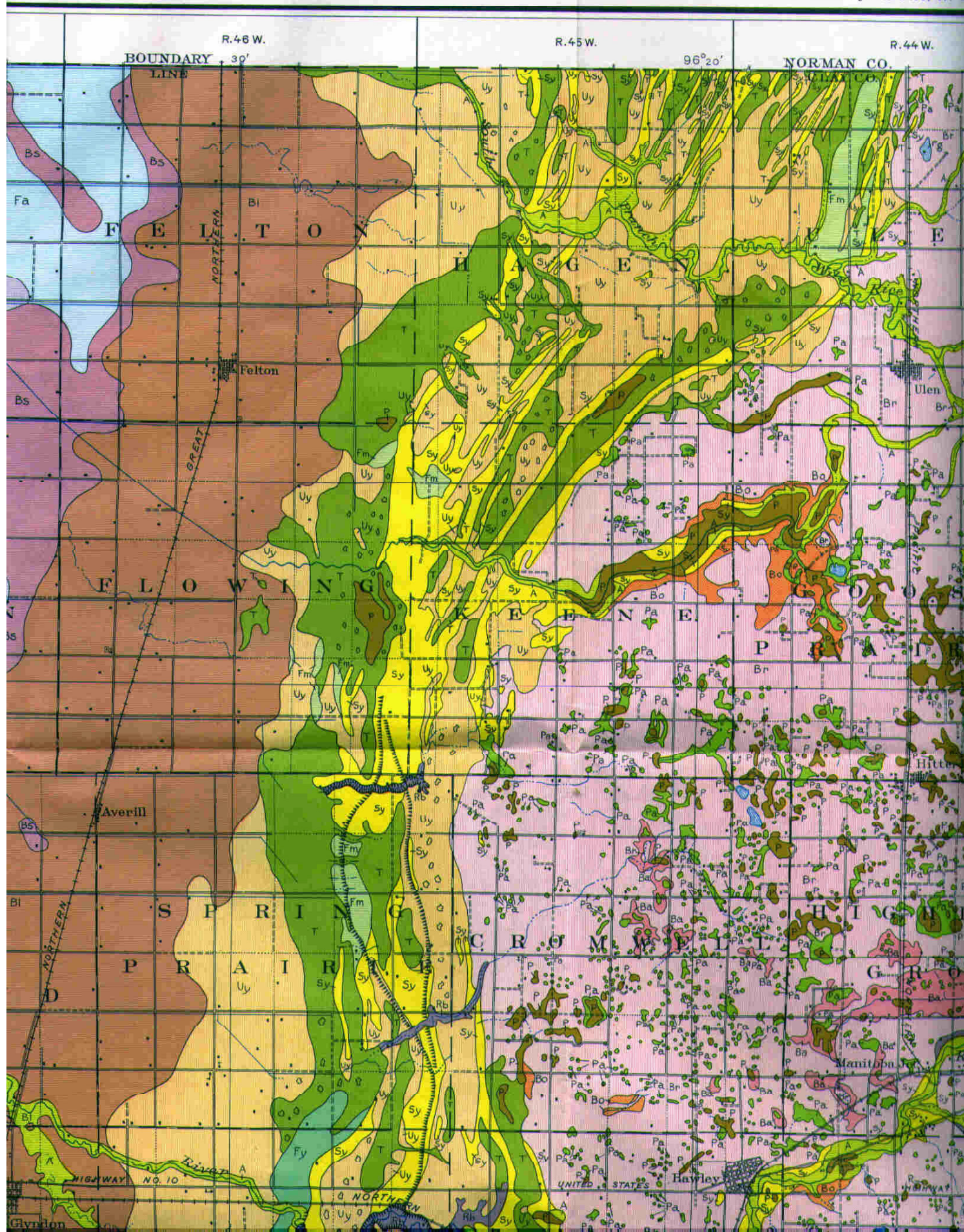
U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF CHEMISTRY AND SOILS
HENRY G. KNIGHT, CHIEF
SOIL SURVEY DIVISION, CHARLES E. KELLOGG, CHIEF

REC
RED RIVER VAL

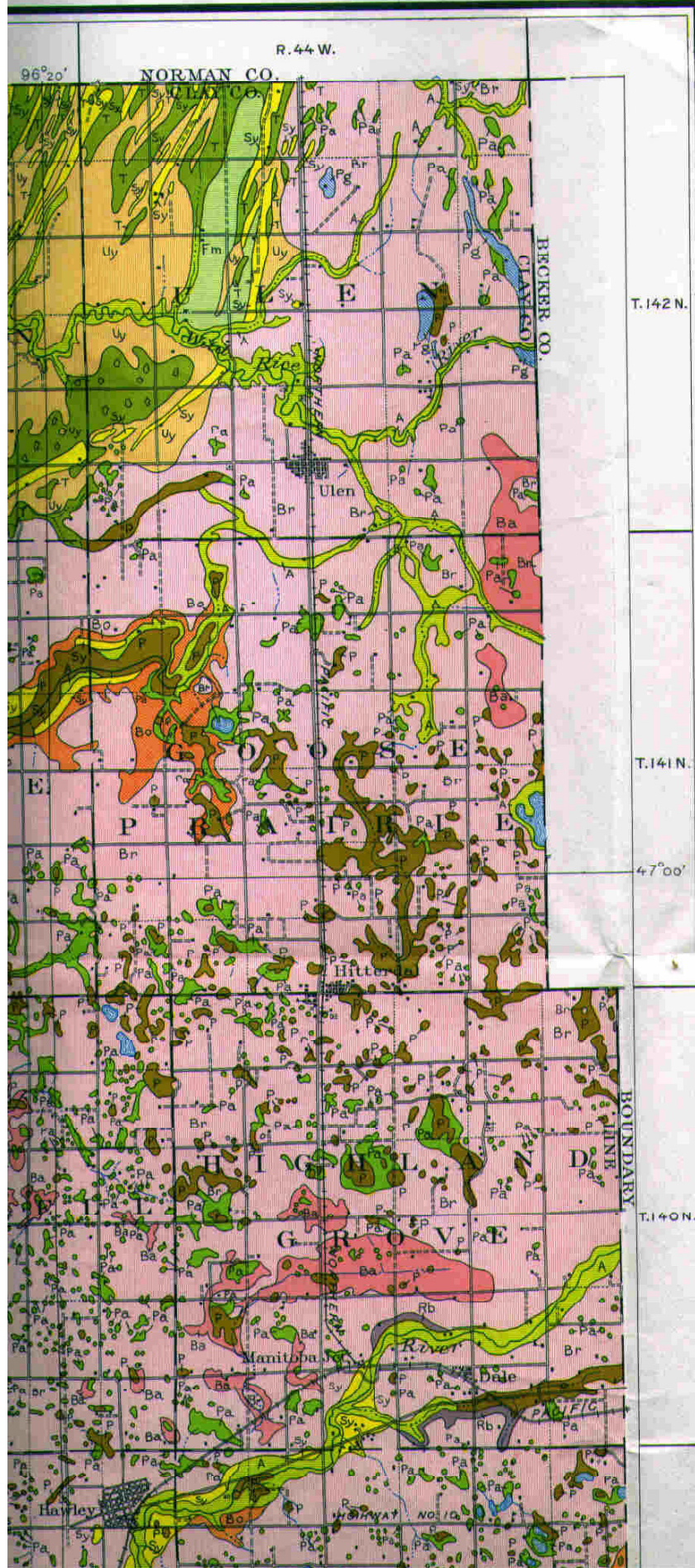


MINNESOTA

F. J. ALWAY, IN C



UNIVERSITY OF MINNESOTA
AGRICULTURAL EXPERIMENT STATION
W. C. COFFEY, DIRECTOR
F. J. ALWAY, IN CHARGE SOIL SURVEY



LEGEND

Barnes sandy loam Bm	Fargo silty clay loam Fa	Pierce gravelly loamy sand Pg
Barnes stony loam Bo	Fargo clay Fc	Sioux loamy sand Sy
Barnes loam Br	Foxhome loamy sand Fy	Tanberg soils (Undifferentiated) T
Barnes silt loam Ba	Foxhome sandy loam Fm	Ulen loamy sand Uy
Bearden loam Bl	Grimstad fine sandy loam Gf	Ulen sandy loam Um
Bearden silt loam Bs	Parnell silty clay loam Pa	Rough broken land Rb
Peat P	Alluvial soils (Undifferentiated) A	

CONVENTIONAL SIGNS

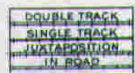
CULTURE
(Printed in black)



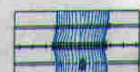
City or Village, Roads, Buildings,
Wharves, Jetties, Breakwater
Levee, Lighthouse, Fort.



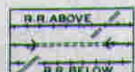
Secondary roads
and Trails



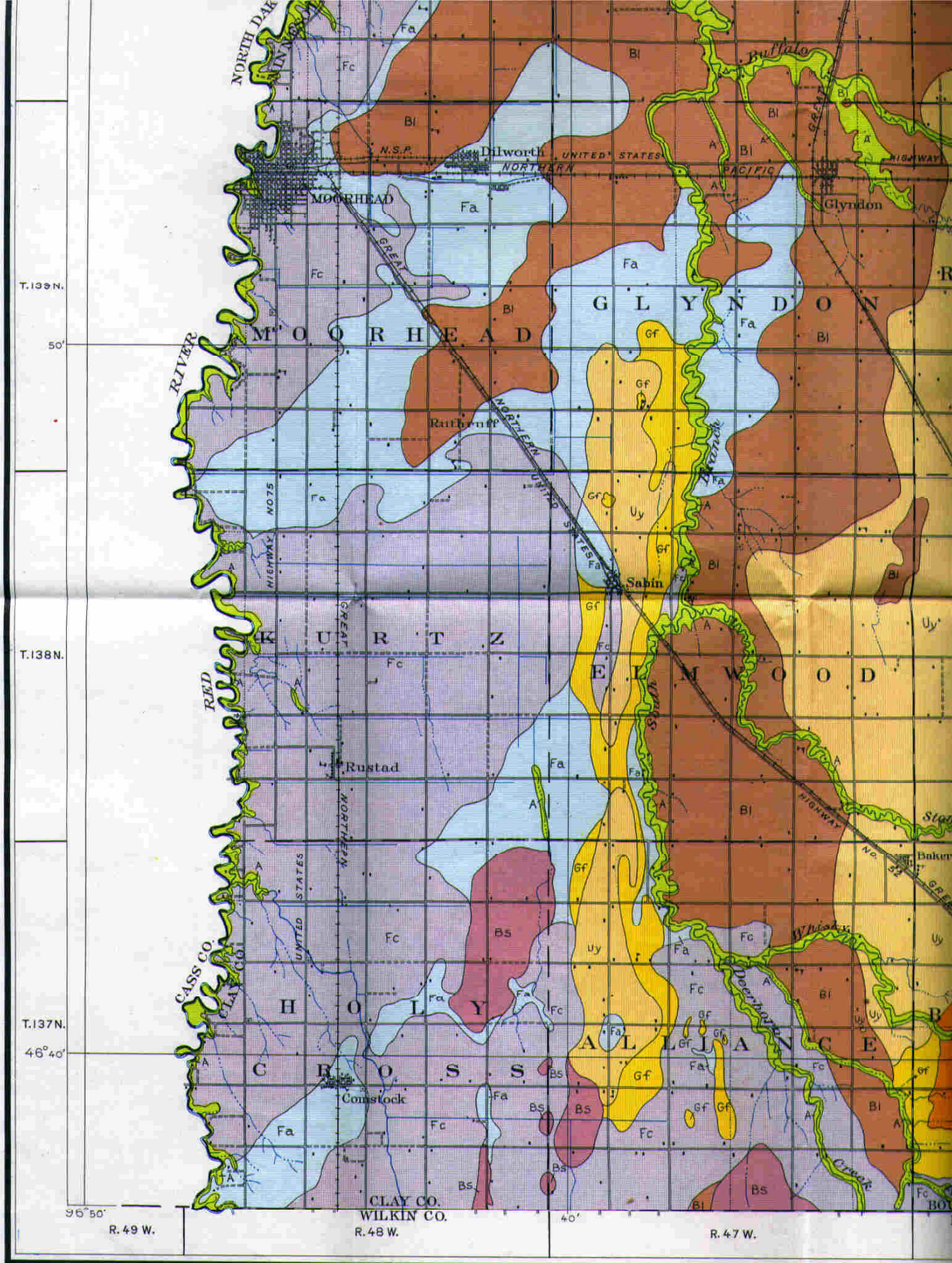
Railroads
Steam and Electric



Bridges, Ferry



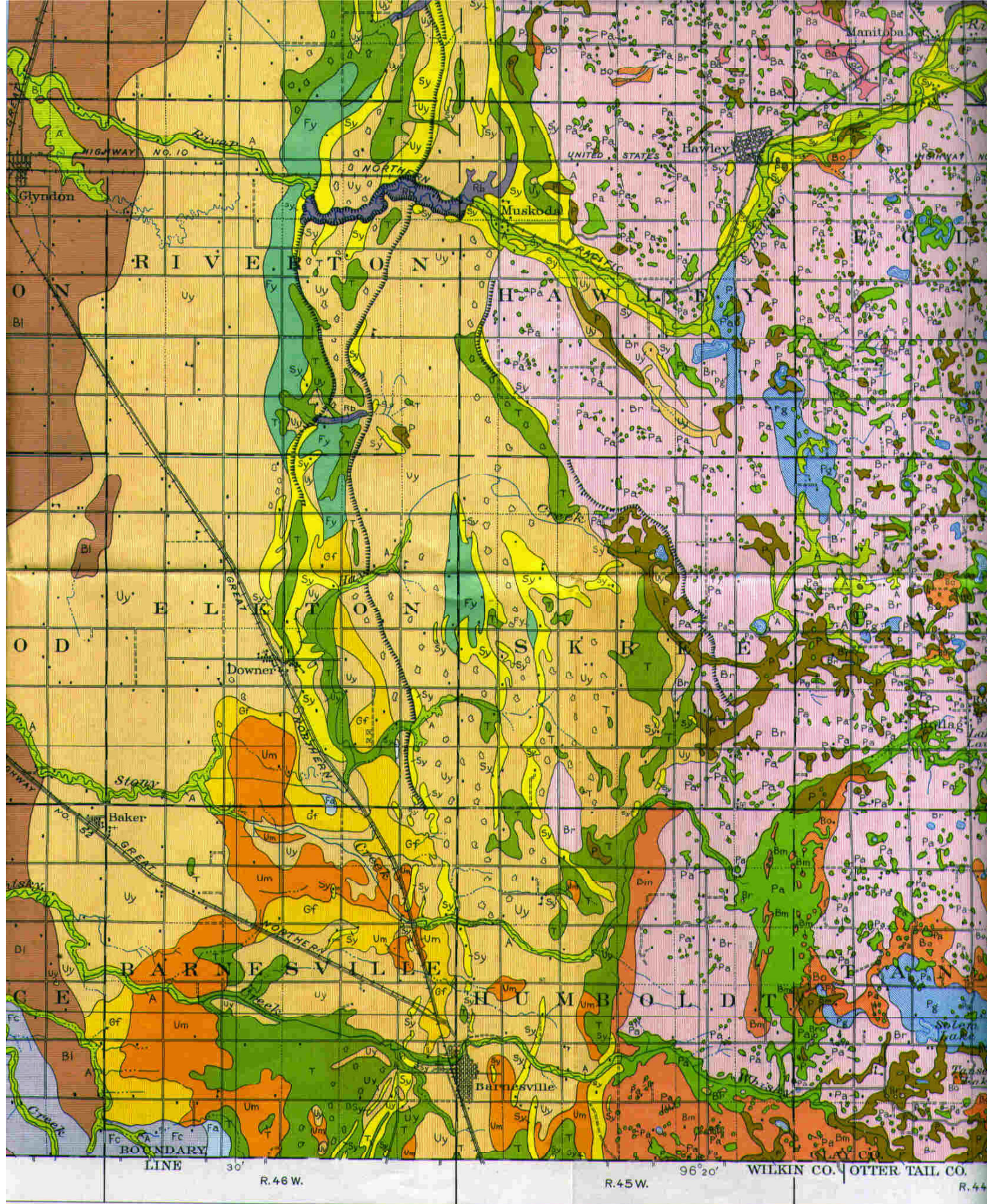
R.R. crossings, Tunnel

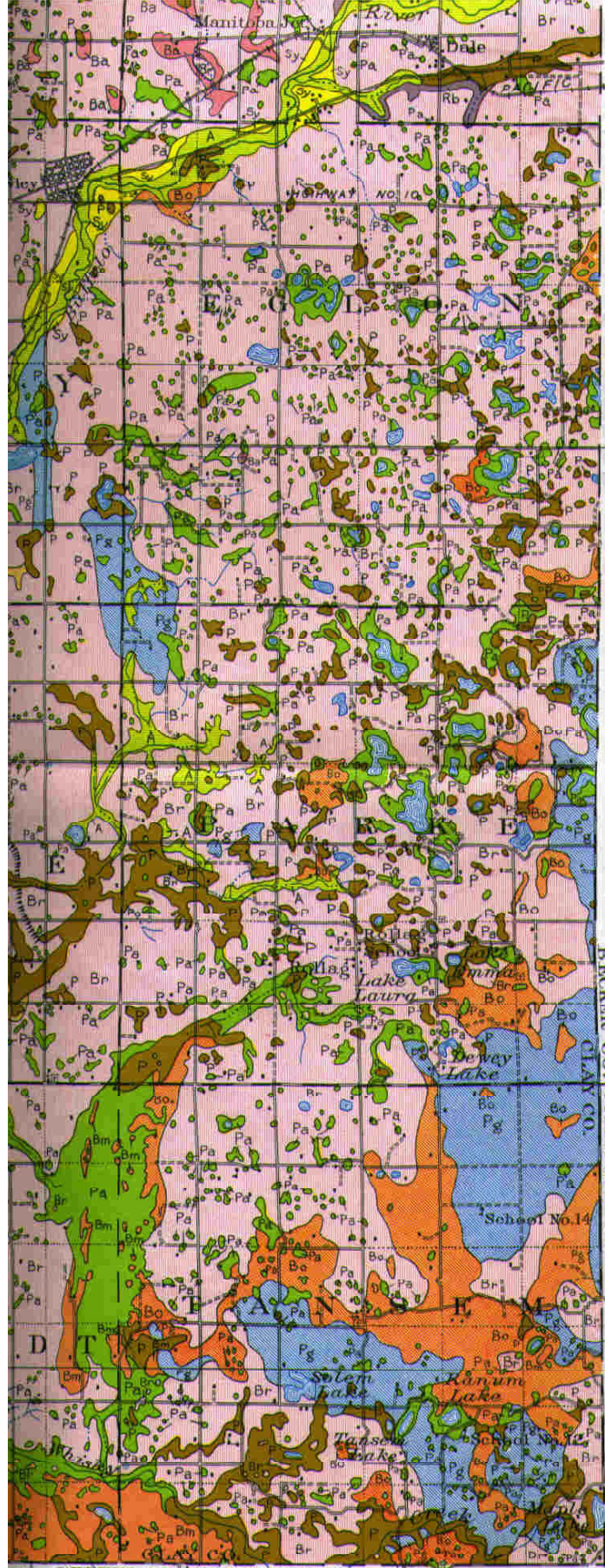


Thomas D. Rice, Inspector, District 3.
 Soils surveyed by C. C. Nikiforoff, in charge, A. H. Hasty,
 G. A. Swenson, and A. L. Gray, U. S. Department of Agriculture
 and E. A. Fieger, Sam Hill, H. C. Newman, C. H. Mattson, J. C. Hide
 and Eric Kneen, University of Minnesota.

LITHO EASTERN OFFSET INC., DALLAS.

2 1 1 1 0
 Scale

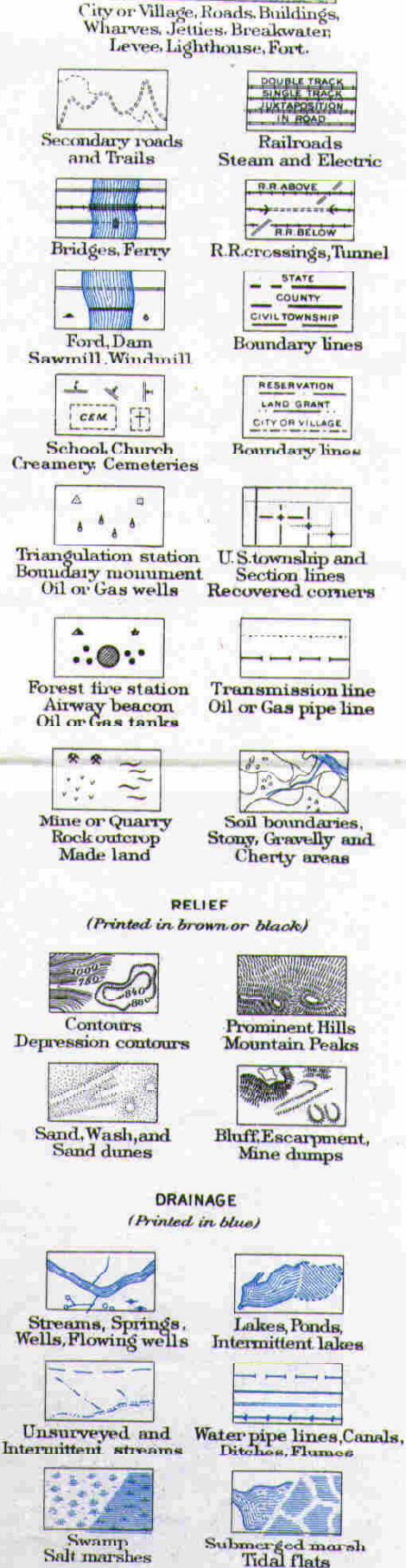




NAME OF TOWNSHIP

5	4	3	2	1
8	9	10	11	12
7	16	15	14	13
10	21	22	23	24
19	28	27	26	25
12	33	34	35	36

Field Operations
Bureau of Chemistry and Soils
1933



The above signs are in
current use on the soil
maps. Variations from this
usage appear in some
maps of earlier dates.