500 Lafayette Road St. Paul, MN 55155-4025 888-646-6367 or 651-296-6157 mndnr.gov This information is available in alternative format on request. The Minnesota DNR prohibits discrimination in its programs and services based on race, color, creed, religion, national origin, sex, public assistance status, age, sexual orientation, or disability. Persons with disabilities may request reasonable modifications to access or participate in DNR programs and services by contacting the DNR ADA Title II Coordinator at info.dnr@state.mn.us or 651-296-6157. LOCATION DIAGRAM Discrimination inquiries should be sent to Minnesota DNR, 500 Lafayette Road, St. Paul, MN 55155-4049; or Office of Civil Rights, U.S. Department of the Interior, 1849 C Street NW, Washington, DC 20240. 96° 15' W. © 2018, State of Minnesota, Department of Natural Resources Well used to generate cross section SCALE 1:400 000 and the Regents of the University of Minnesota $A \longrightarrow A'$ Part B line of cross section shown on 1 0 1 2 3 4 5 MILES this plate 1 0 1 2 3 4 5 6 7 KILOMETERS

F—F' Part B line of cross section shown on

Plate 8

A——A' Part A line of cross section

Geologic Atlas of Clay County

Hydrogeologic Cross Sections

To accompany atlas Report,

A-A'through E-E'

Plate 6, and Plate 8.

County Atlas Series C-29, Part B

1 0 1 2 3 4 5 6 7 8 9 KILOMETERS

overlying fine-grained material to an underlying aquifer.

② Groundwater moves from an overlying surficial aquifer

Groundwater moves from an overlying buried aquifer

Groundwater discharges to a surface-water body.

to a buried aquifer.

Groundwater flows laterally.

to an underlying buried aquifer.

O Groundwater flowpath is unknown.

SS

prf

Undifferentiated Pleistocene

Grouped by texture ranging from highest to lowest sand

gst, gdt, nht, x1t, x1tb, x1tc, x2t, x2tb >30% and ≤40%

SCALE 1:100 000

1 2 3 4

VERTICAL EXAGGERATION X 50

Percent sand

>50% and ≤60%

>40% and ≤50%

content indicating relative hydraulic conductivity.

dgt, ht1, ht2, ht3, ht4, x3t, x3tb

sl, bl, hp, rpt, hl, hl2, hl2b, hl4, x1lb ≤30%

sediment (qu, qtu)

rlt, gvt, otu, bvt

0

Quaternary aquitards

Geologic unit code