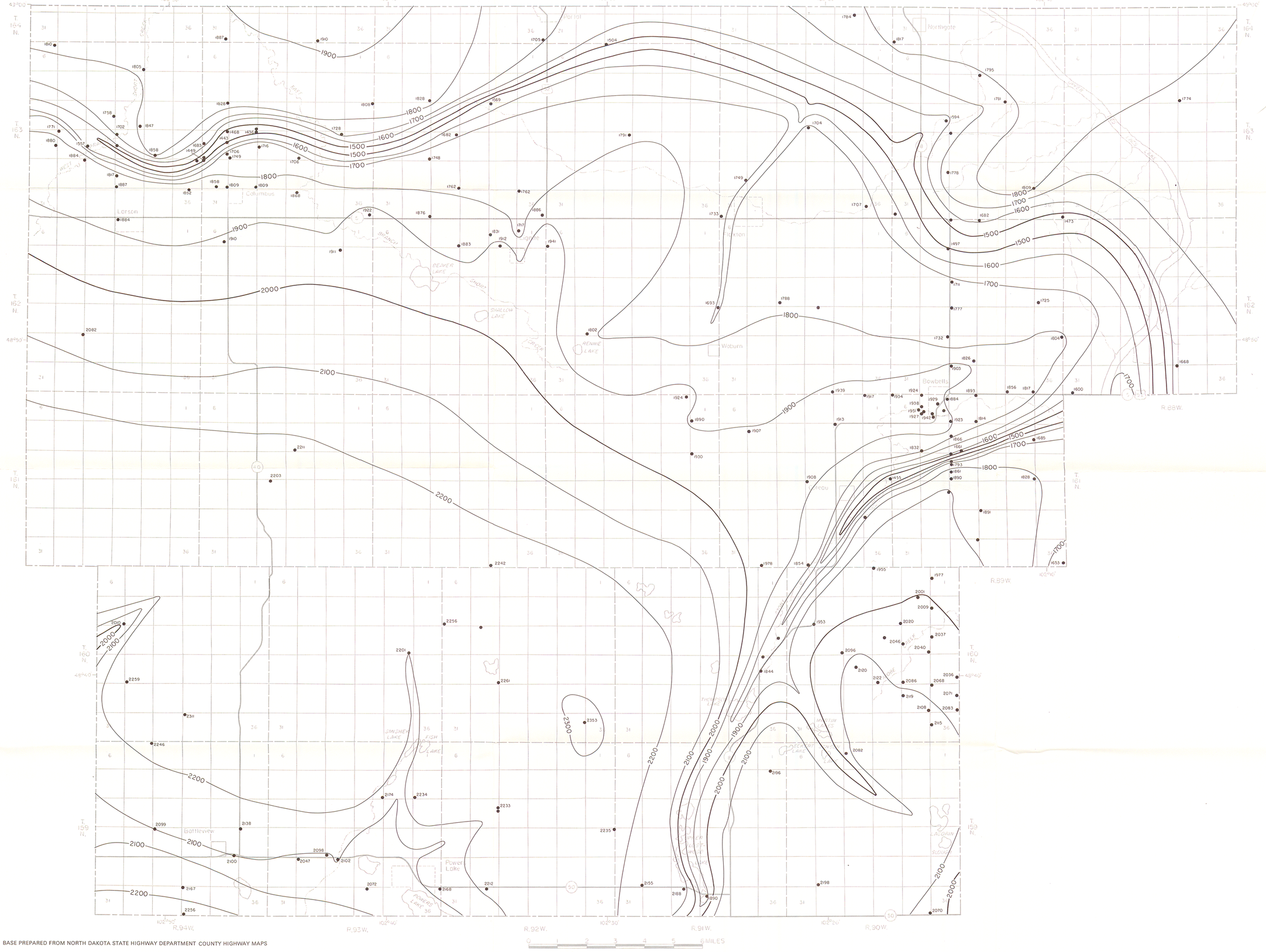
PREPARED BY THE UNITED STATES GEOLOGICAL SURVEY IN COOPERATION WITH THE NORTH DAKOTA STATE WATER COMMISSION, NORTH DAKOTA GEOLOGICAL SURVEY, AND BURKE AND MOUNTRAIL COUNTIES WATER MANAGEMENT DISTRICTS

BULLETIN 55
COUNTY GROUND WATER STUDIES 14
PART III PLATE 1

EXPLANATION

1774
Test hole
Number is altitude of bedrock, in feet above mean sea level

1700
Bedrock contour
Interval 100 feet. Datum is mean sea level



BASE PREPARED FROM NORTH DAKOTA STATE HIGHWAY DEPARTMENT COUNTY HIGHWAY MAPS

PLATE 1.—MAP SHOWING BEDROCK TOPOGRAPHY OF BURKE COUNTY, NORTH DAKOTA

PREPARED BY THE UNITED STATES GEOLOGICAL SURVEY IN COOPERATION WITH THE NORTH DAKOTA STATE WATER COMMISSION, NORTH DAKOTA GEOLOGICAL SURVEY, AND BURKE AND MOUNTRAIL COUNTIES WATER MANAGEMENT DISTRICTS

BULLETIN 55
COUNTY GROUND WATER STUDIES 14
PART II PLATE 2

EXPLANATION

2029
Test hole
Number is altitude of bedrock, in feet above mean sea level

1700
Bedrock contour
Interval 100 feet. Datum is mean sea level

BASE PREPARED FROM NORTH DAKOTA STATE HIGHWAY DEPARTMENT COUNTY HIGHWAY MAPS

PLATE 2.—MAP SHOWING BEDROCK TOPOGRAPHY OF MOUNTRAIL COUNTY, NORTH DAKOTA

PREPARED BY THE UNITED STATES GEOLOGICAL SURVEY IN COOPERATION WITH THE NORTH DAKOTA STATE WATER COMMISSION, NORTH DAKOTA GEOLOGICAL SURVEY, AND BURKE AND MOUNTRAIL COUNTIES WATER MANAGEMENT DISTRICTS

BULLETIN 55
COUNTY GROUND WATER STUDIES 14
PART III PLATE 3

EXPLANATION

Estimated yield, in gallons per minute

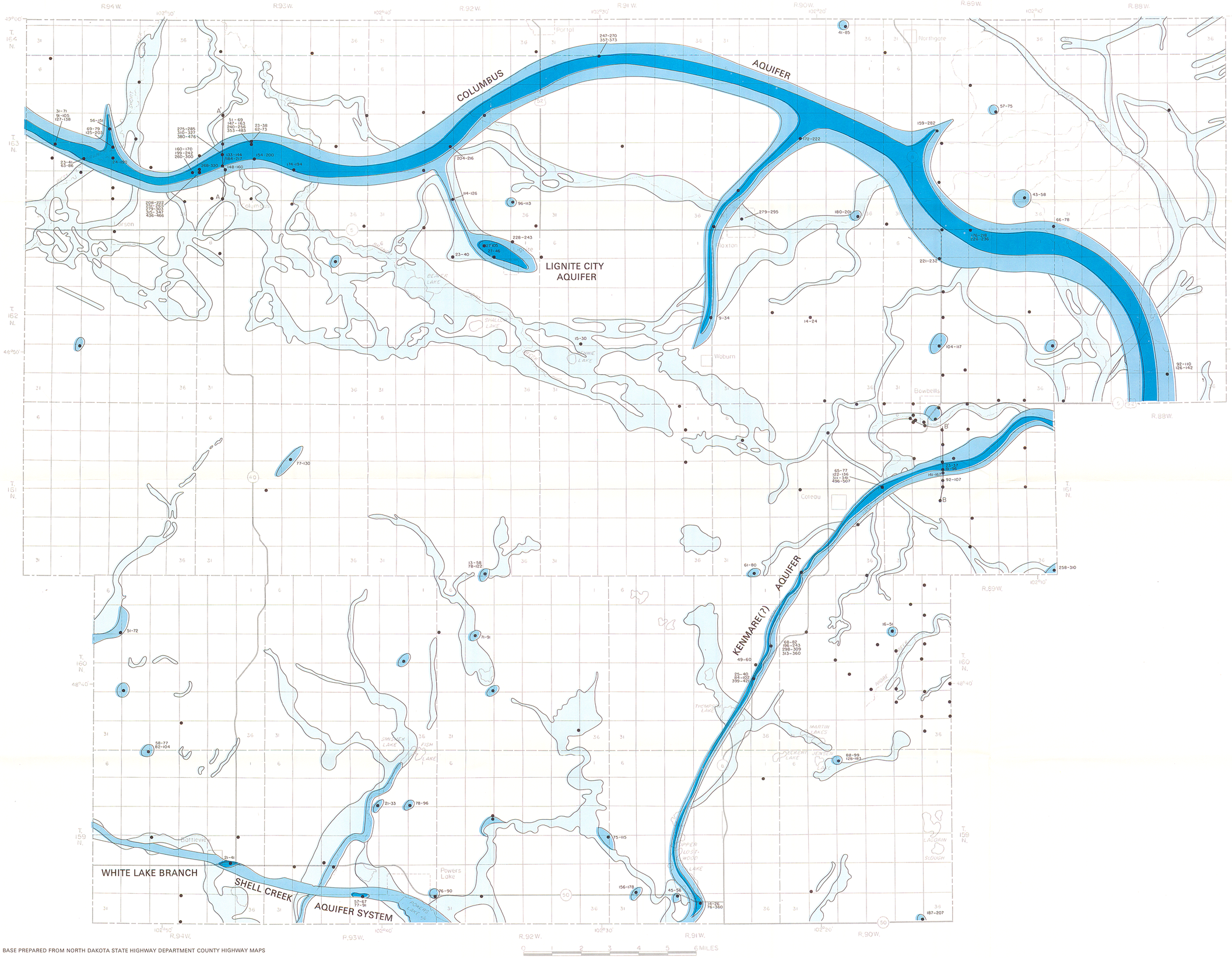
- 100 to 500
- 25 to 100
- Surficial deposits of sand and gravel. Yield generally small, but locally may be greater than 25 gpm
- 0 to 25

Selected test-hole and well data

- 43-58 — Test hole or well

Number indicates depth interval of aquifer, in feet below land surface. Intervals less than 10 feet are not shown

- A — A' — Locations of geologic sections shown in figures 8 and 14



BASE PREPARED FROM NORTH DAKOTA STATE HIGHWAY DEPARTMENT COUNTY HIGHWAY MAPS

Surficial data from unpublished map by T. F. Freers, 1969

PLATE 3.—MAP SHOWING AVAILABILITY OF GROUND WATER FROM MAJOR GLACIAL DRIFT AQUIFERS IN BURKE COUNTY, NORTH DAKOTA

PREPARED BY THE UNITED STATES GEOLOGICAL SURVEY IN COOPERATION WITH THE NORTH DAKOTA STATE WATER COMMISSION, NORTH DAKOTA GEOLOGICAL SURVEY, AND BURKE AND MOUNTRAIL COUNTIES WATER MANAGEMENT DISTRICTS

BULLETIN 55
COUNTY GROUND WATER STUDIES 14
PART III PLATE 4

EXPLANATION

Estimated yield, in gallons per minute

- More than 500
- 100 to 500
- 25 to 100
- Surficial deposits of sand and gravel. Yield generally small, but locally may be greater than 25 gpm
- 0 to 25

Selected test-hole and well data

- 88-163 — Test hole or well. *Number indicates depth interval of aquifer, in feet below land surface. Intervals less than 10 feet are not shown*
- C — C' — Location of geologic section shown in figure 19

KENMARE(?) AQUIFER
CENTRAL BRANCH
WHITE LAKE BRANCH
EAST BRANCH
SHELL CREEK AQUIFER SYSTEM
NEW TOWN AQUIFER
LAKE SAKAKAWEA
FORT BERTHOLD INDIAN RESERVATION
LOWER LOSTWOOD LAKE
CLEAR WATER LAKE
WHITE EARTH LAKE
Lunds Valley
Lostwood
Coulee
White Earth
Palermo
Blaisdell
Tagus
Stanley
Ross
Belden
Sanish
Parshall
Wabek
Plaza

BASE PREPARED FROM NORTH DAKOTA STATE HIGHWAY DEPARTMENT COUNTY HIGHWAY MAPS

Surficial data from unpublished map by Lee Clayton, 1969

PLATE 4.—MAP SHOWING AVAILABILITY OF GROUND WATER FROM MAJOR GLACIAL DRIFT AQUIFERS IN MOUNTRAIL COUNTY, NORTH DAKOTA