



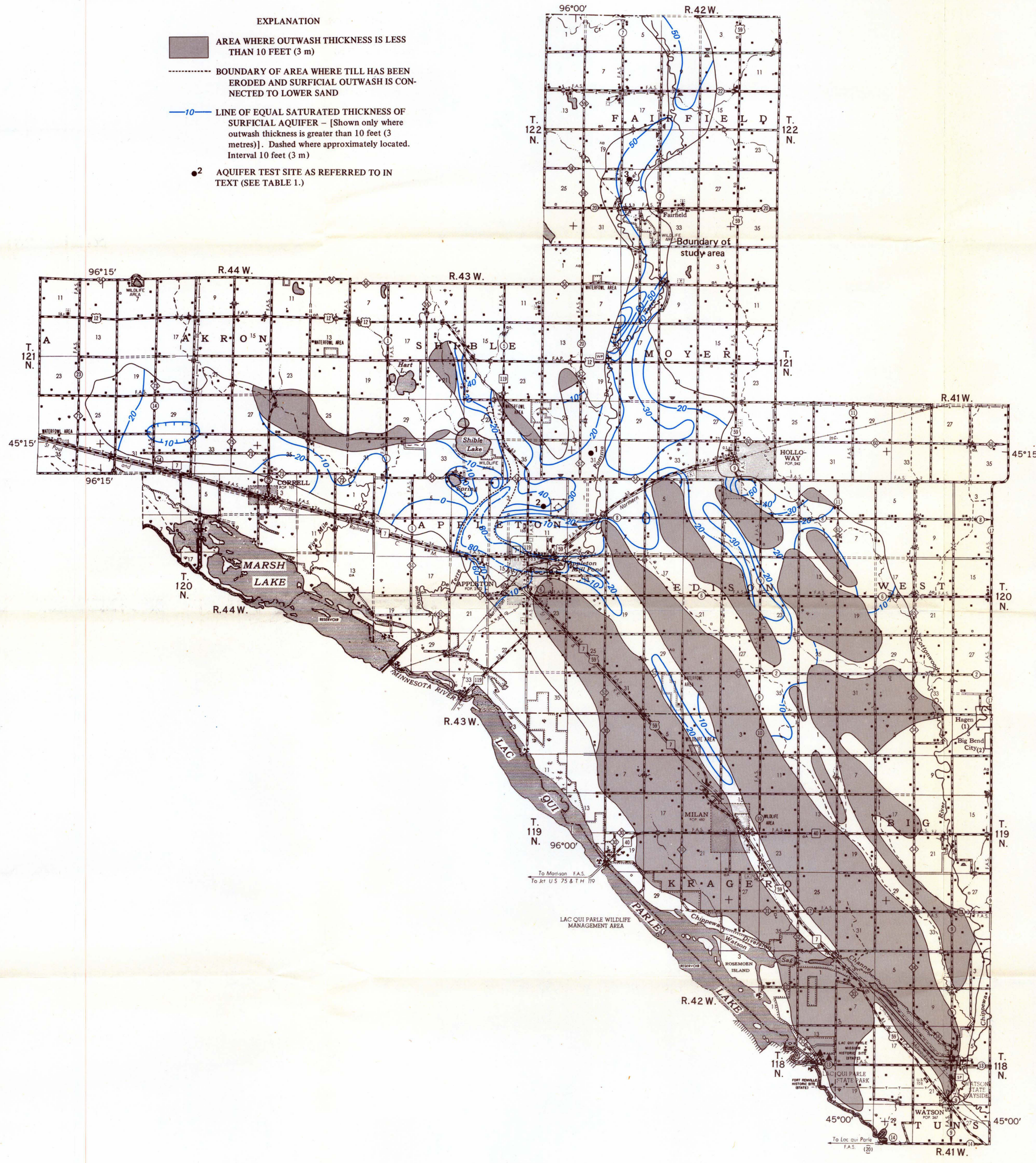

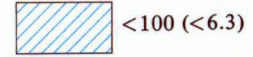


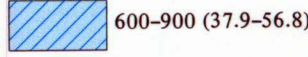
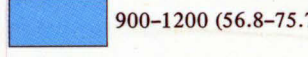
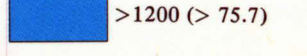
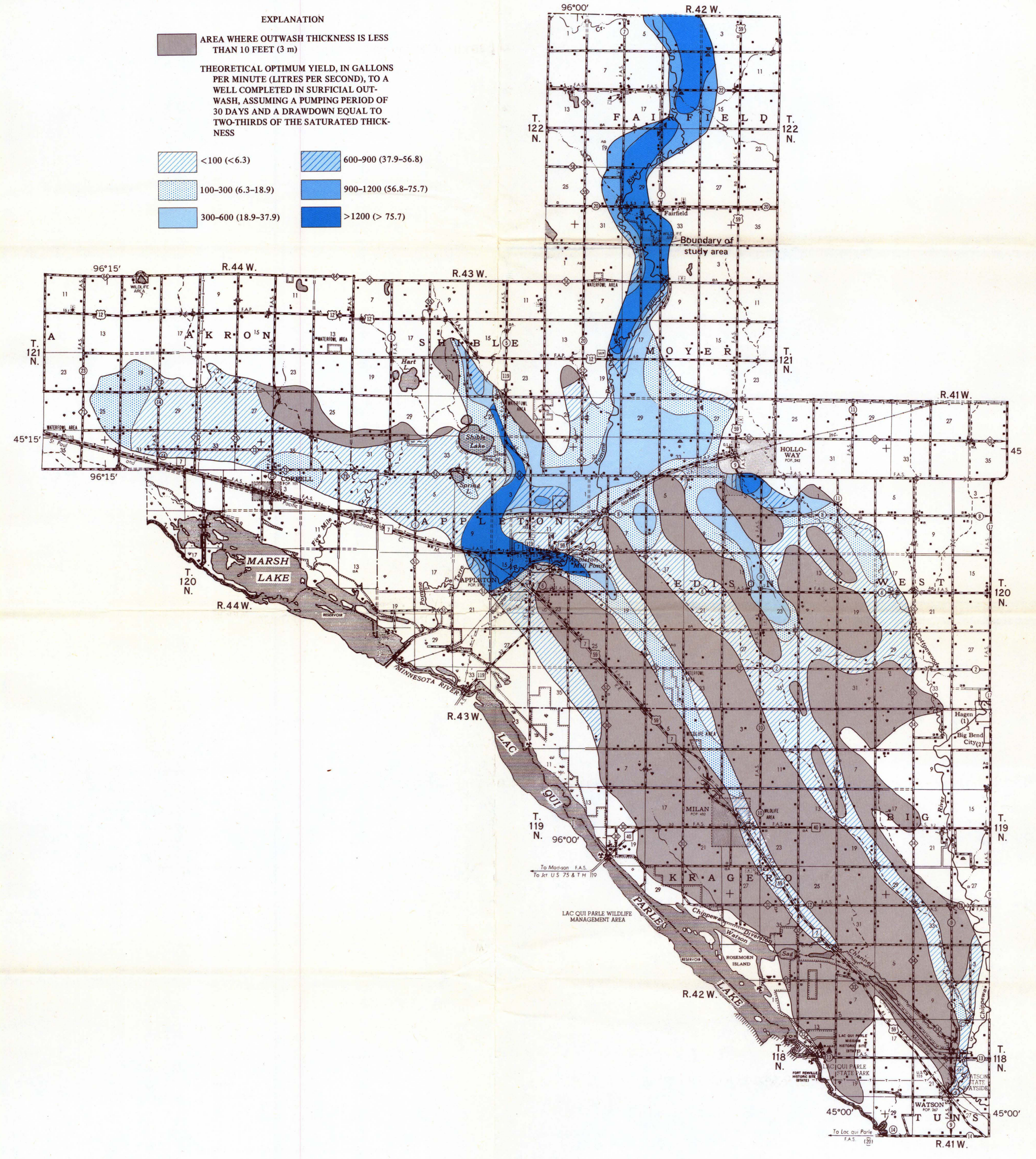


- EXPLANATION
-  AREA WHERE OUTWASH THICKNESS IS LESS THAN 10 FEET (3 m)
  -  BOUNDARY OF AREA WHERE TILL HAS BEEN ERODED AND SURFICIAL OUTWASH IS CONNECTED TO LOWER SAND
  -  LINE OF EQUAL SATURATED THICKNESS OF SURFICIAL AQUIFER - [Shown only where outwash thickness is greater than 10 feet (3 metres)]. Dashed where approximately located. Interval 10 feet (3 m)
  -  AQUIFER TEST SITE AS REFERRED TO IN TEXT (SEE TABLE 1.)



A. SATURATED THICKNESS OF THE SURFICIAL AQUIFER

- EXPLANATION
-  AREA WHERE OUTWASH THICKNESS IS LESS THAN 10 FEET (3 m)
  -  <100 (<6.3)
  -  100-300 (6.3-18.9)
  -  300-600 (18.9-37.9)
  -  600-900 (37.9-56.8)
  -  900-1200 (56.8-75.7)
  -  >1200 (> 75.7)
- THEORETICAL OPTIMUM YIELD, IN GALLONS PER MINUTE (LITRES PER SECOND), TO A WELL COMPLETED IN SURFICIAL OUTWASH, ASSUMING A PUMPING PERIOD OF 30 DAYS AND A DRAWDOWN EQUAL TO TWO-THIRDS OF THE SATURATED THICKNESS



B. THEORETICAL OPTIMUM YIELDS TO WELLS COMPLETED IN THE SURFICIAL AQUIFER

HYDROLOGIC MAPS OF THE SURFICIAL AQUIFER, APPLETON AREA, MINNESOTA

Base from General Highway Map Series of Minnesota; Big Stone, Swift, and Chippewa Counties

