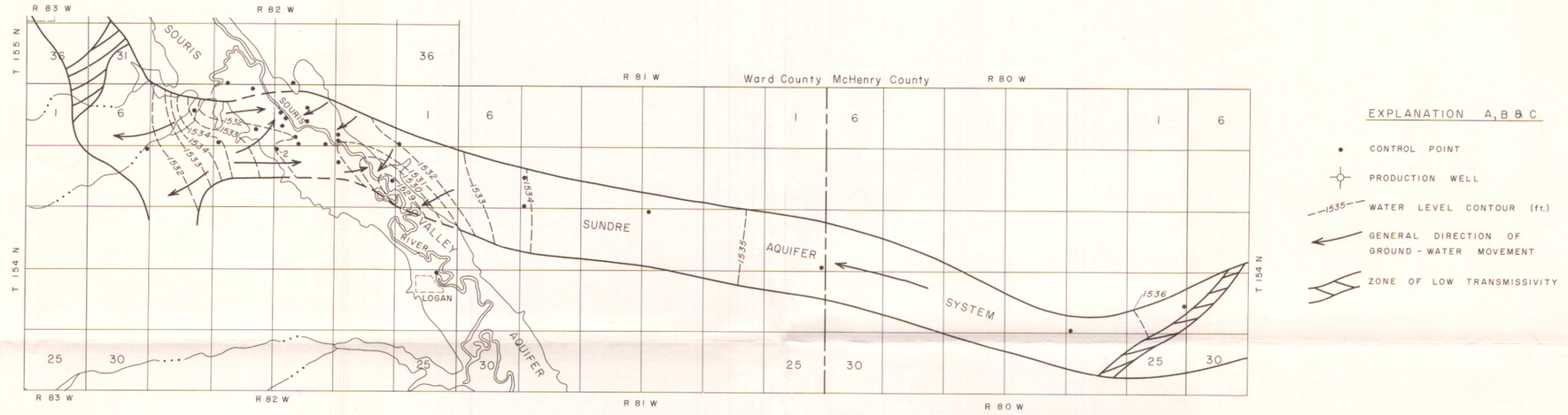
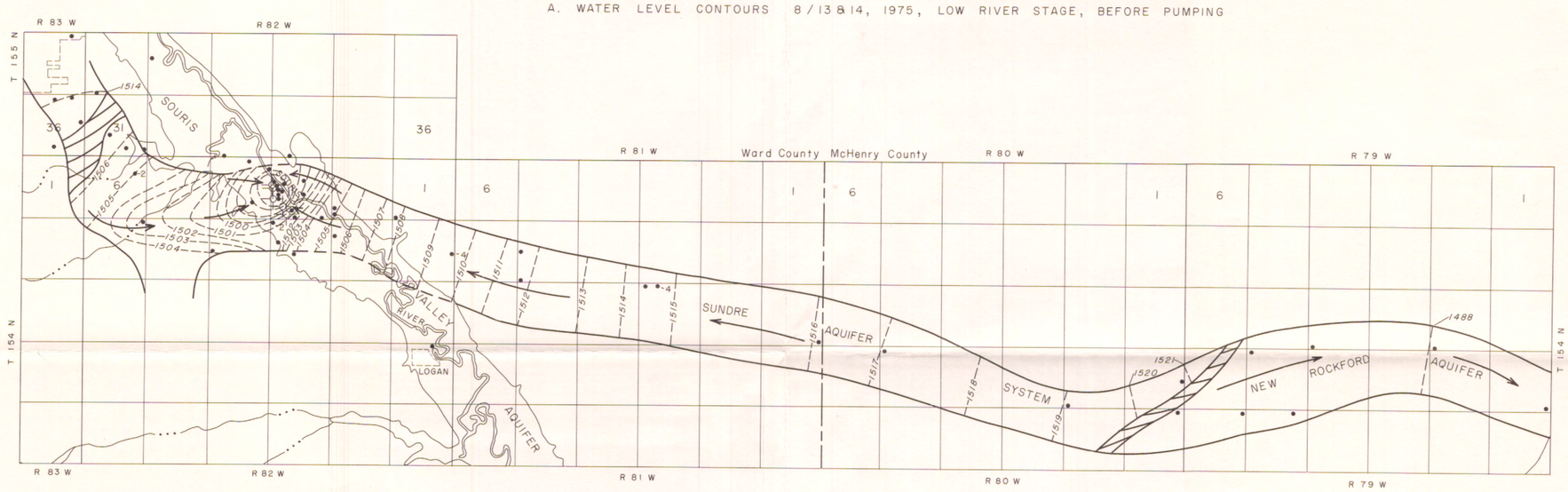
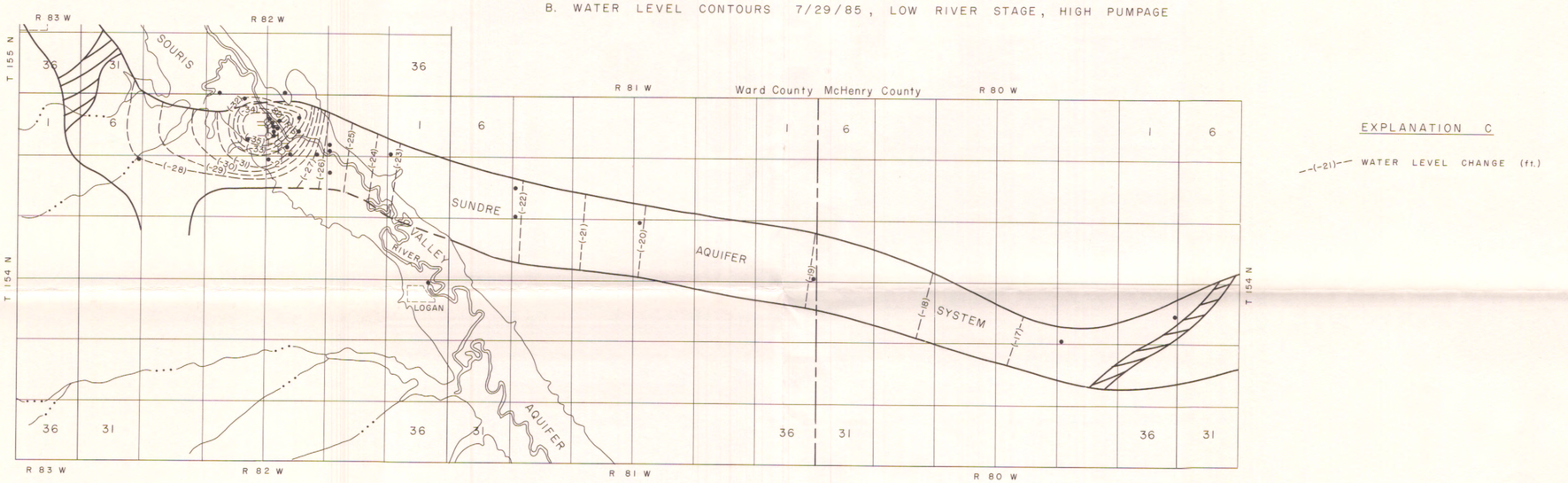


A. WATER LEVEL CONTOURS 8/13&14, 1975, LOW RIVER STAGE, BEFORE PUMPING



B. WATER LEVEL CONTOURS 7/29/85, LOW RIVER STAGE, HIGH PUMPAGE



C. WATER LEVEL CHANGE (1975 - 1985)

SCALE

0 1 2 3 4 5 MILES

0 1 2 3 4 5 6 7 8 KILOMETERS

EXPLANATION A, B & C

- CONTROL POINT
- PRODUCTION WELL
- 1535 WATER LEVEL CONTOUR (ft.)
- GENERAL DIRECTION OF GROUND-WATER MOVEMENT
- ZONE OF LOW TRANSMISSIVITY

EXPLANATION C

- (-21) WATER LEVEL CHANGE (ft.)

PLATE 3. Potentiometric surface maps of the Sundre Aquifer System prior to development (A), following 10 years of pumping (B) and the water level change resulting from 10 years of pumping (C).