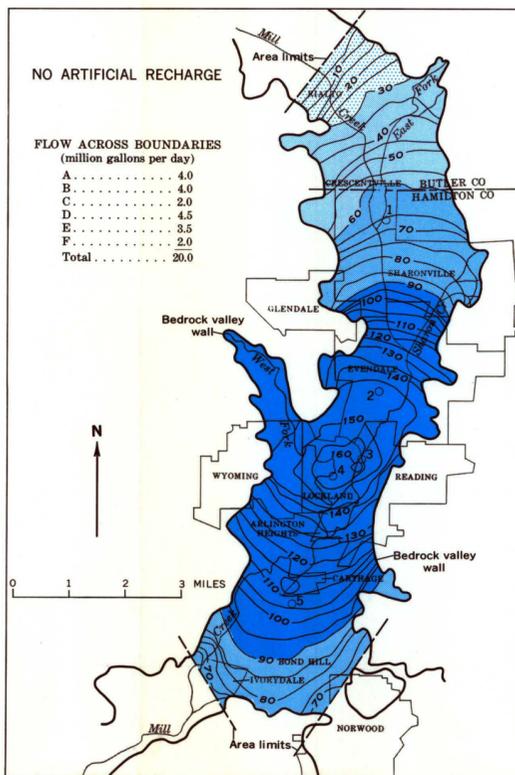
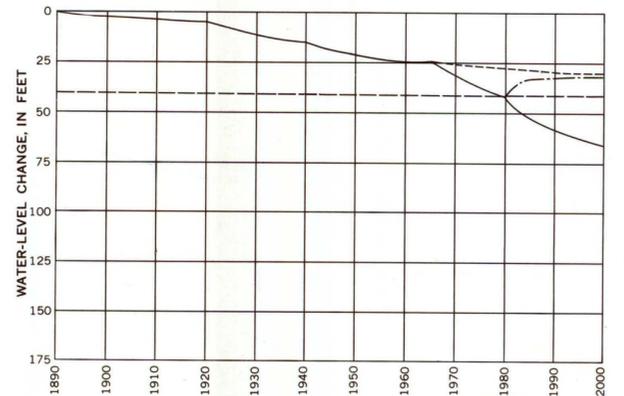


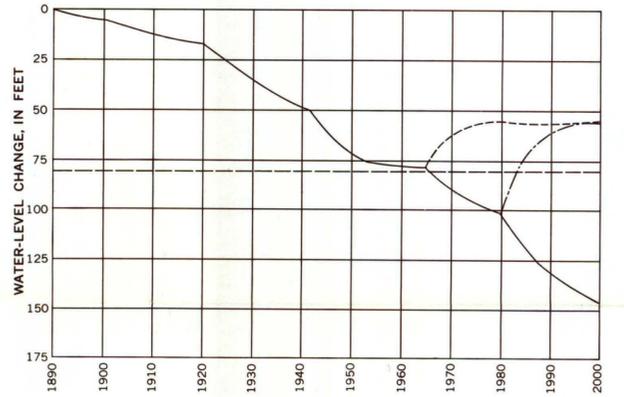
MAP A. NET CHANGE IN WATER LEVELS IN 1980 CAUSED BY PUMPING AT AN ASSUMED AVERAGE RATE OF 14.41 MGD IN THE PERIOD 1965-79



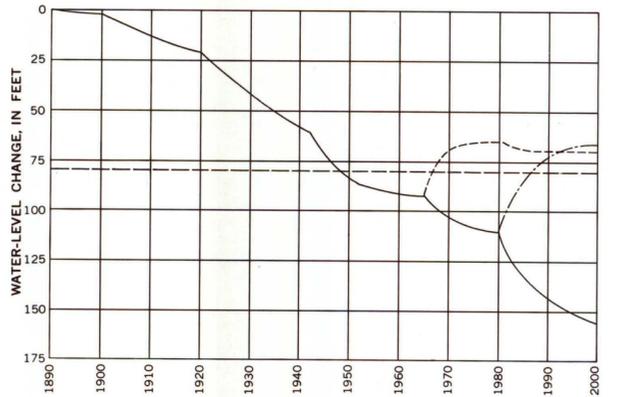
MAP B. NET CHANGE IN WATER LEVELS IN 2000 CAUSED BY PUMPING AT AN ASSUMED AVERAGE RATE OF 24.55 MGD IN THE PERIOD 1980-99



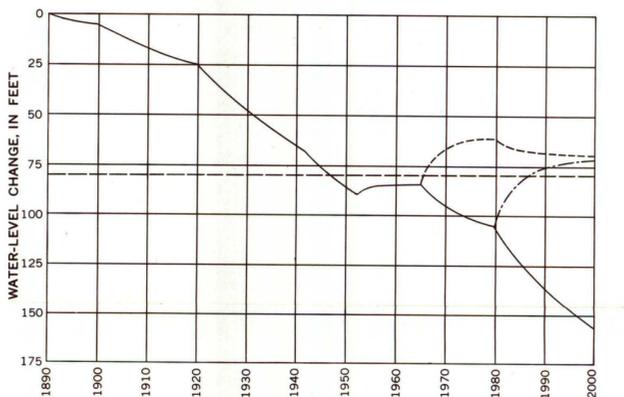
OSCILLOGRAM 1 SHOWING CHANGE IN WATER LEVEL NEAR CRESCENTVILLE



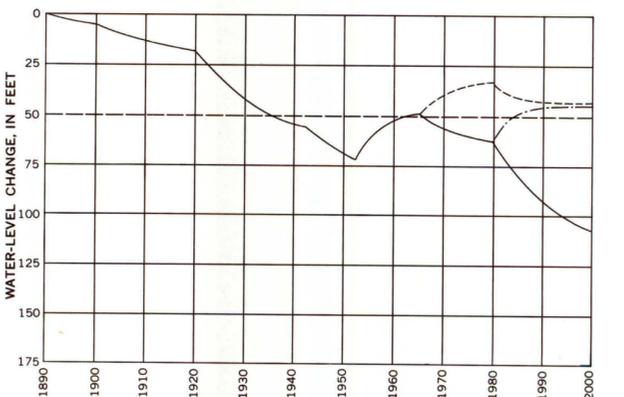
OSCILLOGRAM 2 SHOWING CHANGE IN WATER LEVEL NEAR EVENDALE



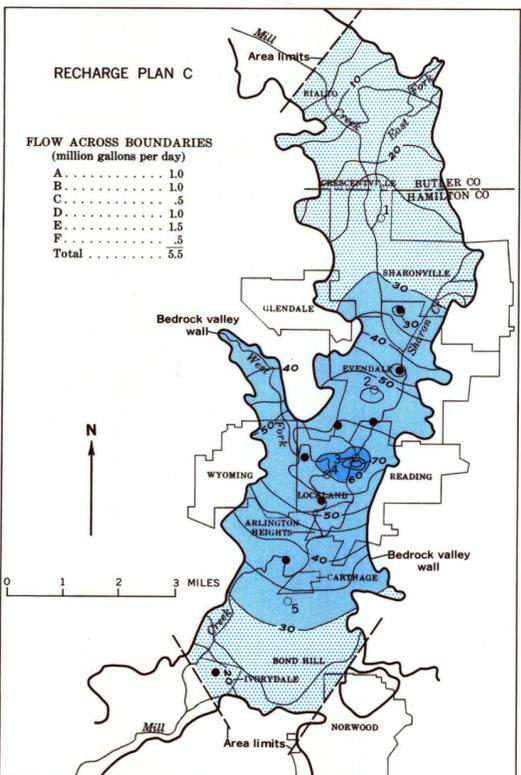
OSCILLOGRAM 3 SHOWING CHANGE IN WATER LEVEL NEAR READING



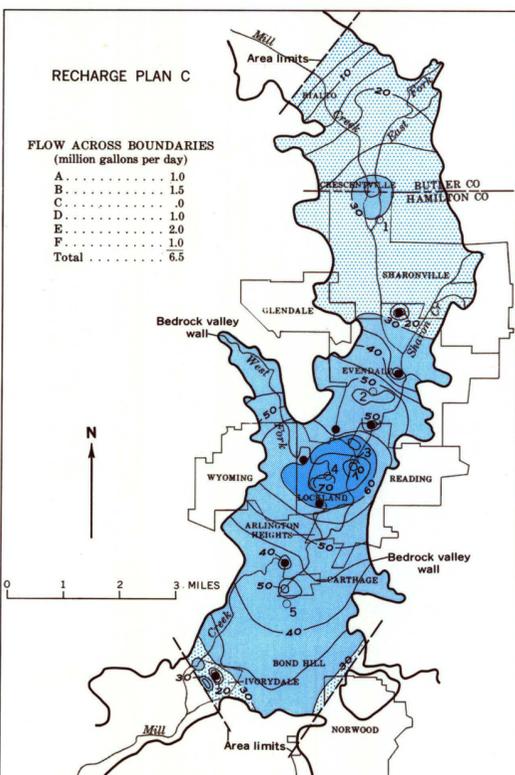
OSCILLOGRAM 4 SHOWING CHANGE IN WATER LEVEL NEAR LOCKLAND



OSCILLOGRAM 5 SHOWING CHANGE IN WATER LEVEL NEAR CARTHAGE



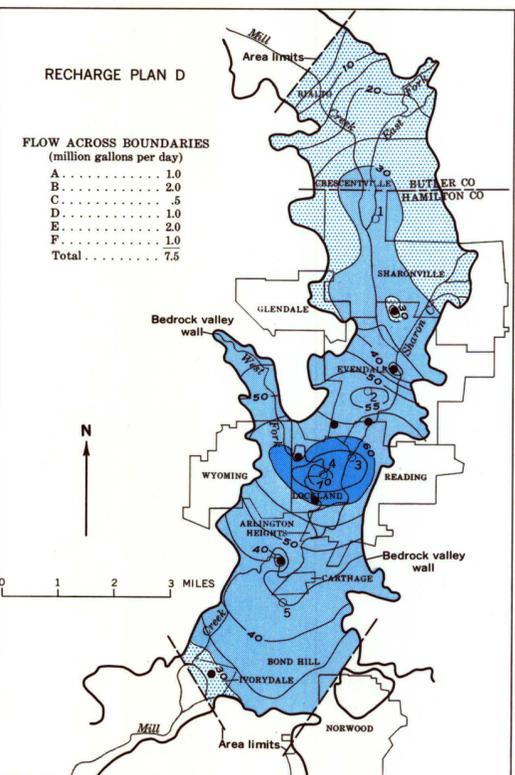
MAP C. NET CHANGE IN WATER LEVELS IN 1980 CAUSED BY PUMPING AT AN ASSUMED AVERAGE RATE OF 14.41 MGD AND INJECTION OF 8 MGD NEAR THE CENTER OF HEAVIEST PUMPING IN THE PERIOD 1965-79



MAP D. NET CHANGE IN WATER LEVELS IN 2000 CAUSED BY PUMPING AT AN ASSUMED AVERAGE RATE OF 24.55 MGD AND INJECTION OF 16 MGD NEAR THE CENTER OF HEAVIEST PUMPING IN THE PERIOD 1980-99

EXPLANATION

- MAPS**
- 0-30
 - 30-60
 - 60-90
 - 90 or more
- Decline in water level, in feet
- 50 —
Line of equal water-level decline
Interval 5 feet
- Simulated injection well
- ₃ Oscillogram location and number
- All water-level changes represent differences between levels in 1890 (figure 4) and levels in the indicated year
- Recharge and discharge boundaries shown in figure 11



MAP E. NET CHANGE IN WATER LEVELS IN 2000 CAUSED BY PUMPING AT AN ASSUMED AVERAGE RATE OF 24.55 MGD AND INJECTION OF 16 MGD NEAR THE CENTER OF HEAVIEST PUMPING IN THE PERIOD 1980-99

EXPLANATION

OSCILLOGRAMS

- Net change in water level assuming no artificial recharge
- - - Net change in water level resulting from recharge plan C
- - - Net change in water level resulting from recharge plan D
- - - Arbitrary limit of water-level change

MAPS BASED ON ELECTRIC ANALOG MODEL SIMULATION SHOWING THE NET PROJECTED CHANGE IN WATER LEVELS RESULTING FROM PUMPING PLAN 3 AND RECHARGE PLANS C AND D IN MILL CREEK VALLEY, BUTLER AND HAMILTON COUNTIES, OHIO