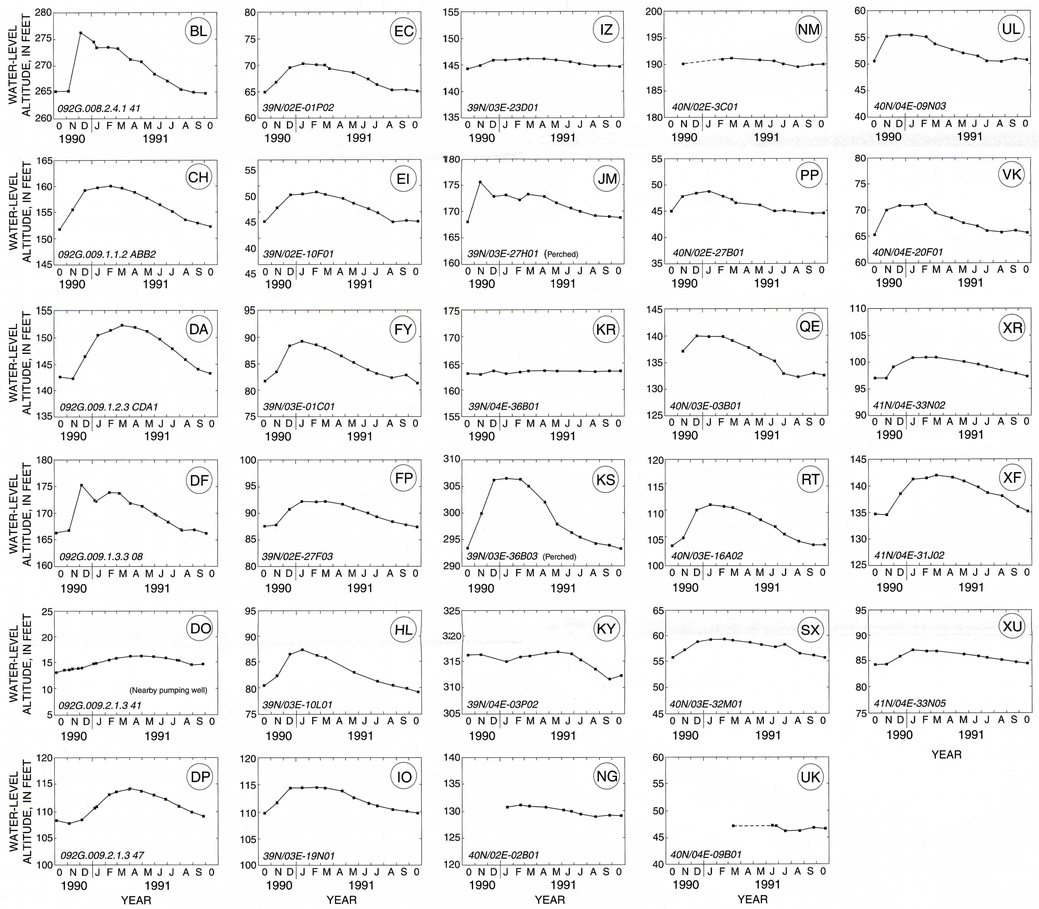
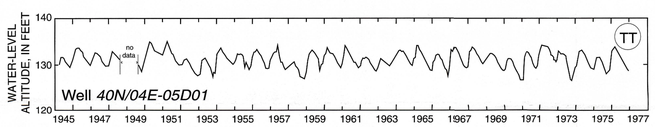
HYDROGRAPHS FOR SELECTED OBSERVATION WELLS IN THE LENS STUDY AREA

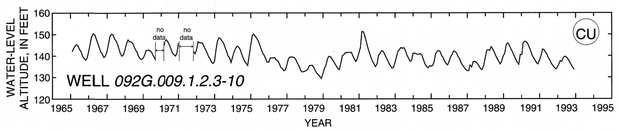
Seasonal variations in water-level altitude, 1990-1991.



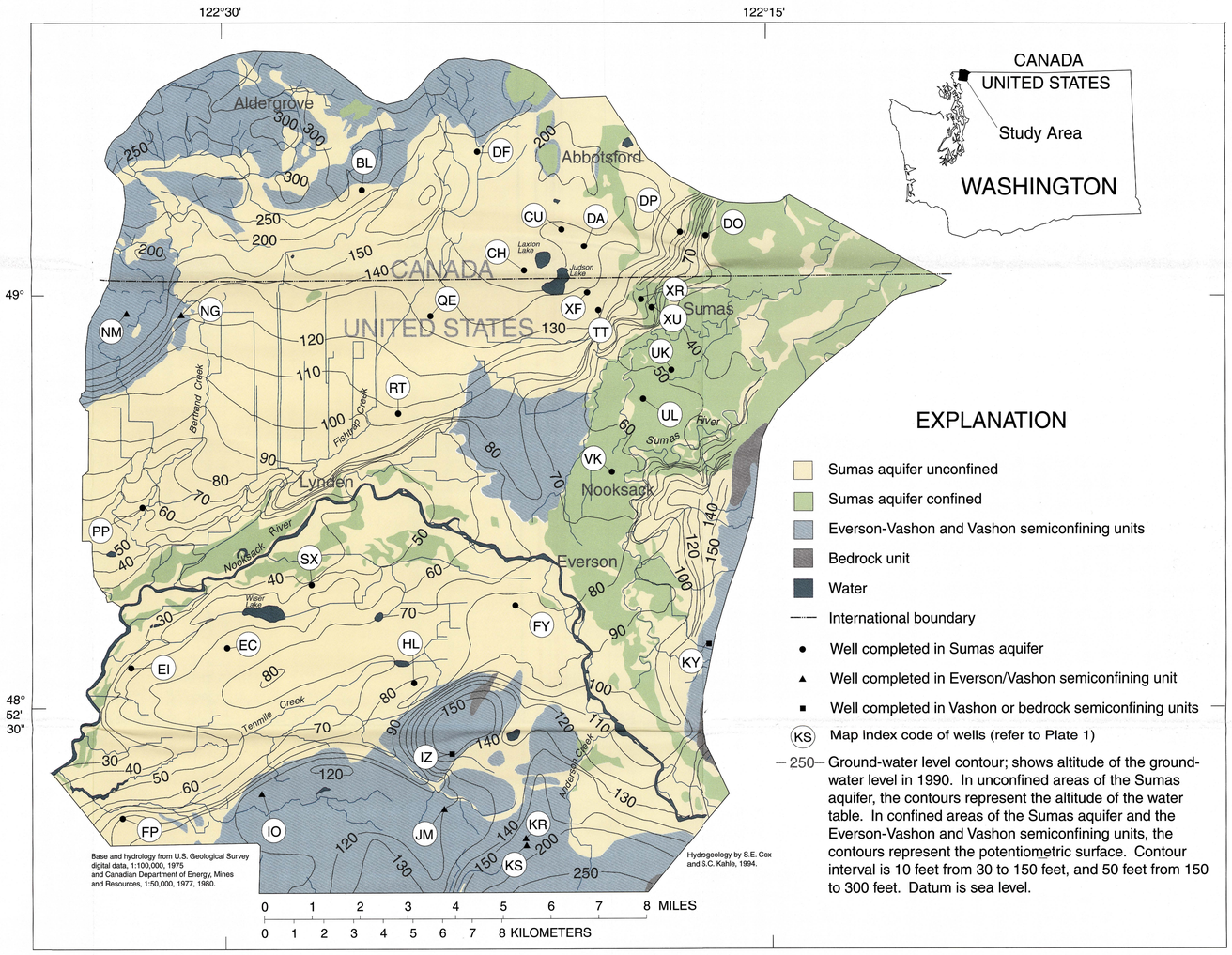
Long-term variations in wells with more than 25 years of record



Local well identification number in lower left-hand corner, map index code in upper right-hand corner. Datum is sea level. Refer to Plate 1.

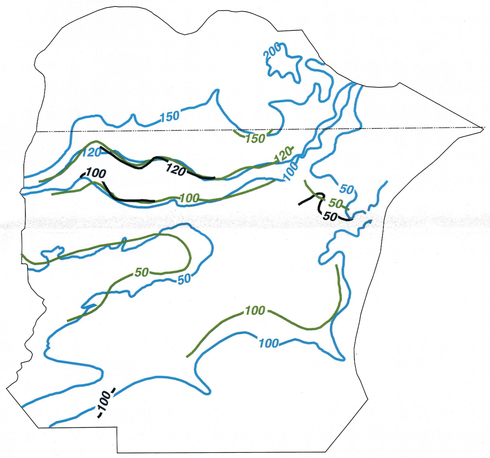


POTENTIOMETRIC SURFACE MAP OF THE LENS STUDY AREA



EXPLANATION

- Sumas aquifer unconfined
- Sumas aquifer confined
- Everson-Vashon and Vashon semiconfining units
- Bedrock unit
- Water
- International boundary
- ● Well completed in Sumas aquifer
- ▲ Well completed in Everson/Vashon semiconfining unit
- ■ Well completed in Vashon or bedrock semiconfining units
- (KS) Map index code of wells (refer to Plate 1)
- —250— Ground-water level contour; shows altitude of the ground-water level in 1990. In unconfined areas of the Sumas aquifer, the contours represent the altitude of the water table. In confined areas of the Sumas aquifer and the Everson-Vashon and Vashon semiconfining units, the contours represent the potentiometric surface. Contour interval is 10 feet from 30 to 150 feet, and 50 feet from 150 to 300 feet. Datum is sea level.



Selected water-level contours from 1949, 1960, and 1990

EXPLANATION

- —50— 1949 water levels, in feet (Newcomb and others, 1949)
- —50— 1960 water levels, in feet (Washington State Department of Conservation, 1960)
- —50— 1990 water levels, in feet

Datum is sea level

WATER-LEVEL HYDROGRAPHS AND MAPS SHOWING WATER-LEVEL CONTOURS IN SURFICIAL HYDROGEOLOGIC UNITS IN WHATCOM COUNTY, WASHINGTON, AND SOUTHWESTERN BRITISH COLUMBIA

By
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1999