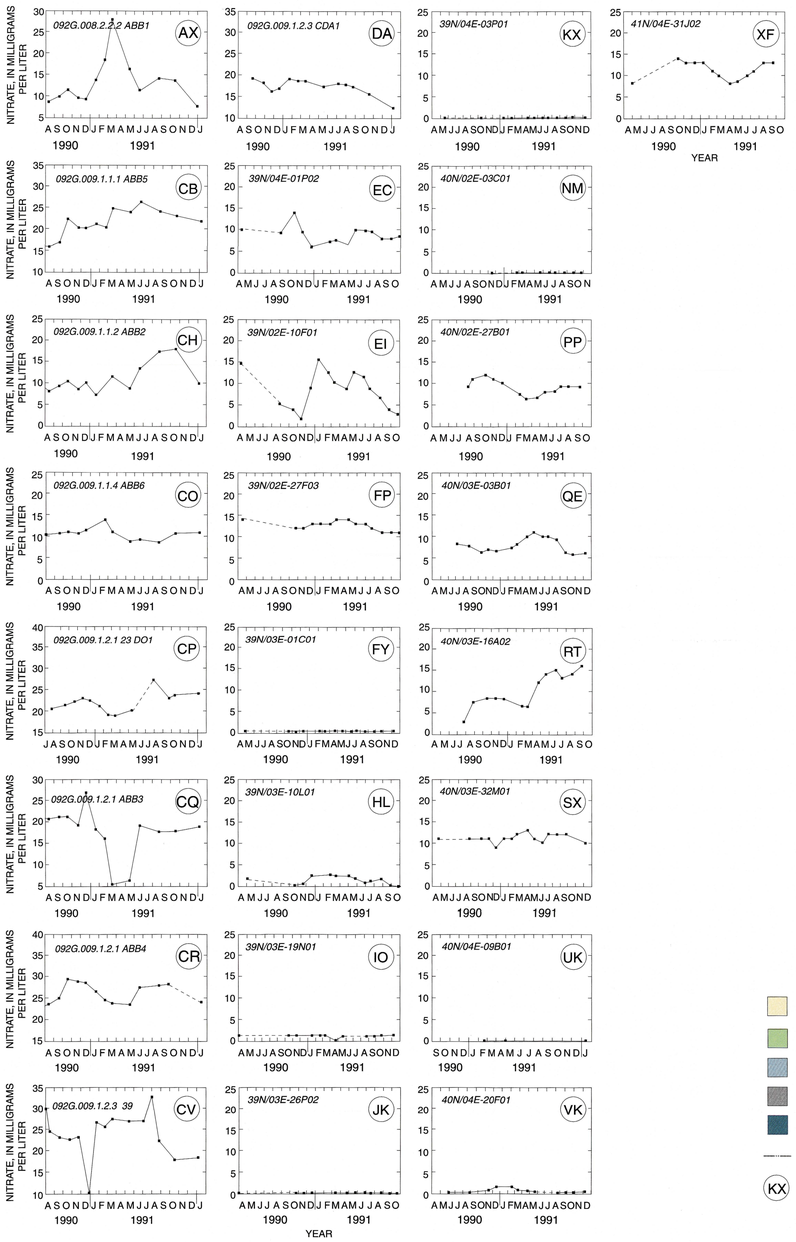
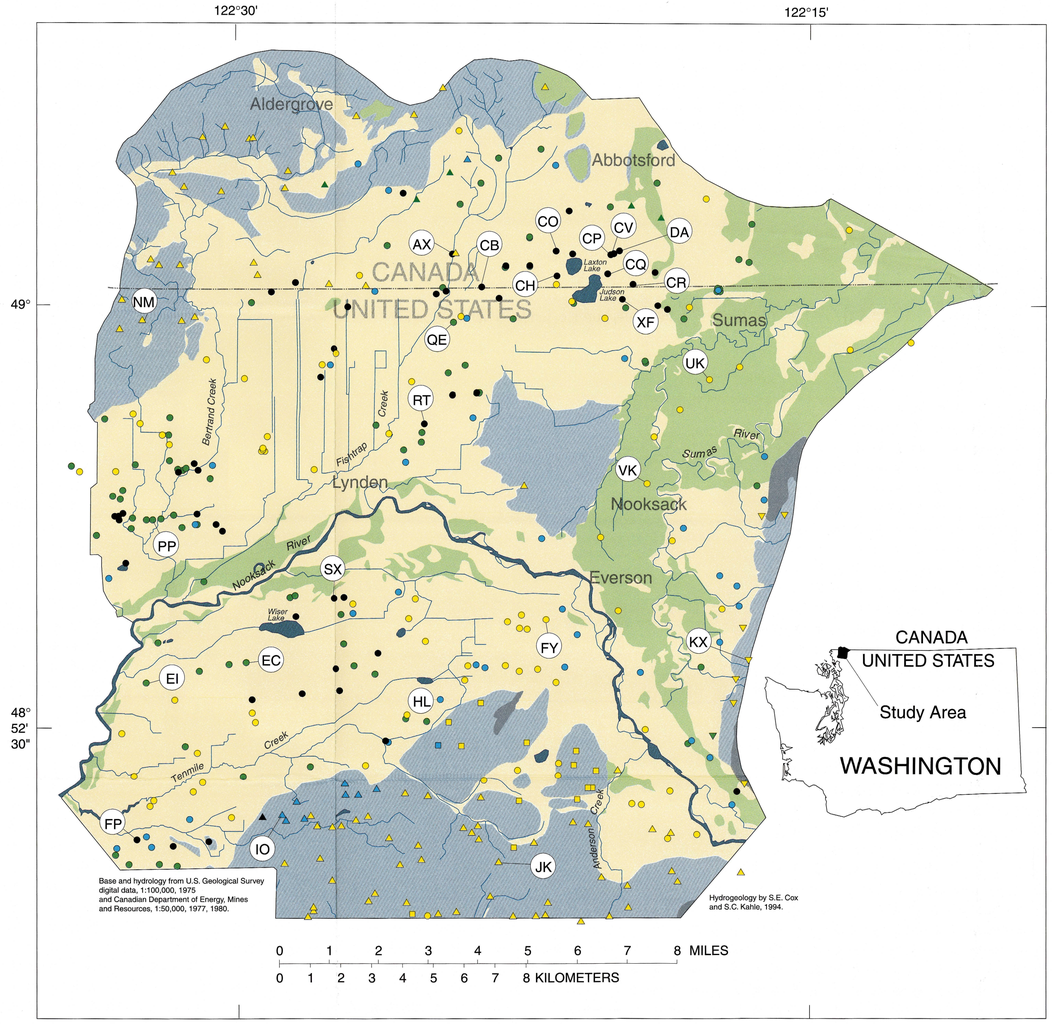
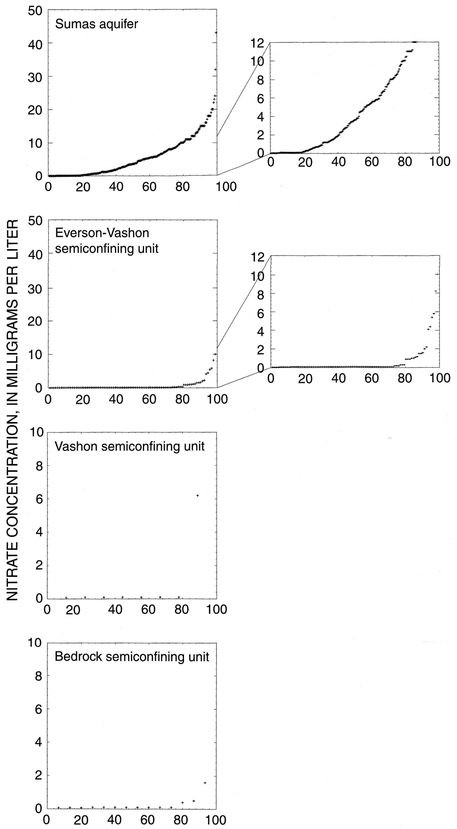
Times series graphs of nitrate concentrations in ground water. Well identification number in upper left-hand corner, map index code in upper right-hand corner.





Cumulative relative frequency plots of nitrate concentrations in ground waters of the Sumas, Everson-Vashon, Vashon, and Bedrock hydrogeologic units.



EXPLANATION

Hydrogeologic units

- Sumas aquifer unconfined
- Sumas aquifer confined
- Everson-Vashon and Vashon semiconfining units
- Bedrock unit
- Water
- International boundary
- KX Map index code of wells (refer to Plate 1)

Nitrate concentration group, in milligrams per liter	Hydrogeologic unit and corresponding map symbol: Sumas aquifer	Everson-Vashon unit	Vashon unit	Bedrock unit
Less than 1	○ (79)	△ (75)	▽ (7)	□ (13)
Greater than or equal to 1 and less than 3	● (38)	▲ (9)	▼ (0)	■ (1)
Greater than or equal to 3 and less than 10	● (85)	▲ (5)	▼ (1)	■ (0)
Greater than or equal to 10	● (54)	▲ (1)	▼ (0)	■ (0)

Number in parenthesis indicates number of wells within concentration group

DISTRIBUTION AND SEASONAL VARIATIONS OF NITRATE CONCENTRATIONS IN GROUND WATER IN WHATCOM COUNTY, WASHINGTON, AND SOUTHWESTERN BRITISH COLUMBIA

By
S.E. Cox and S.C. Kahle
1999