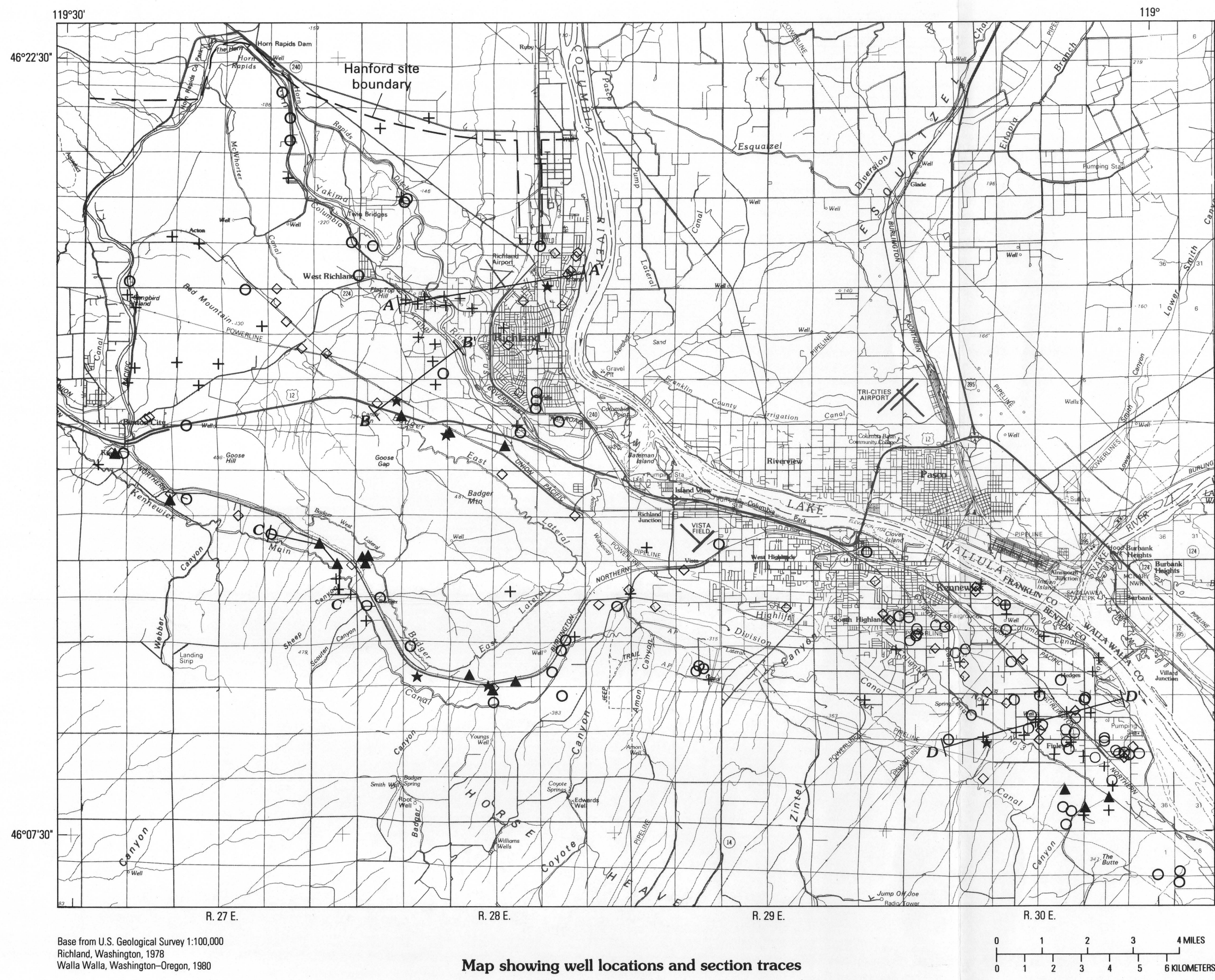
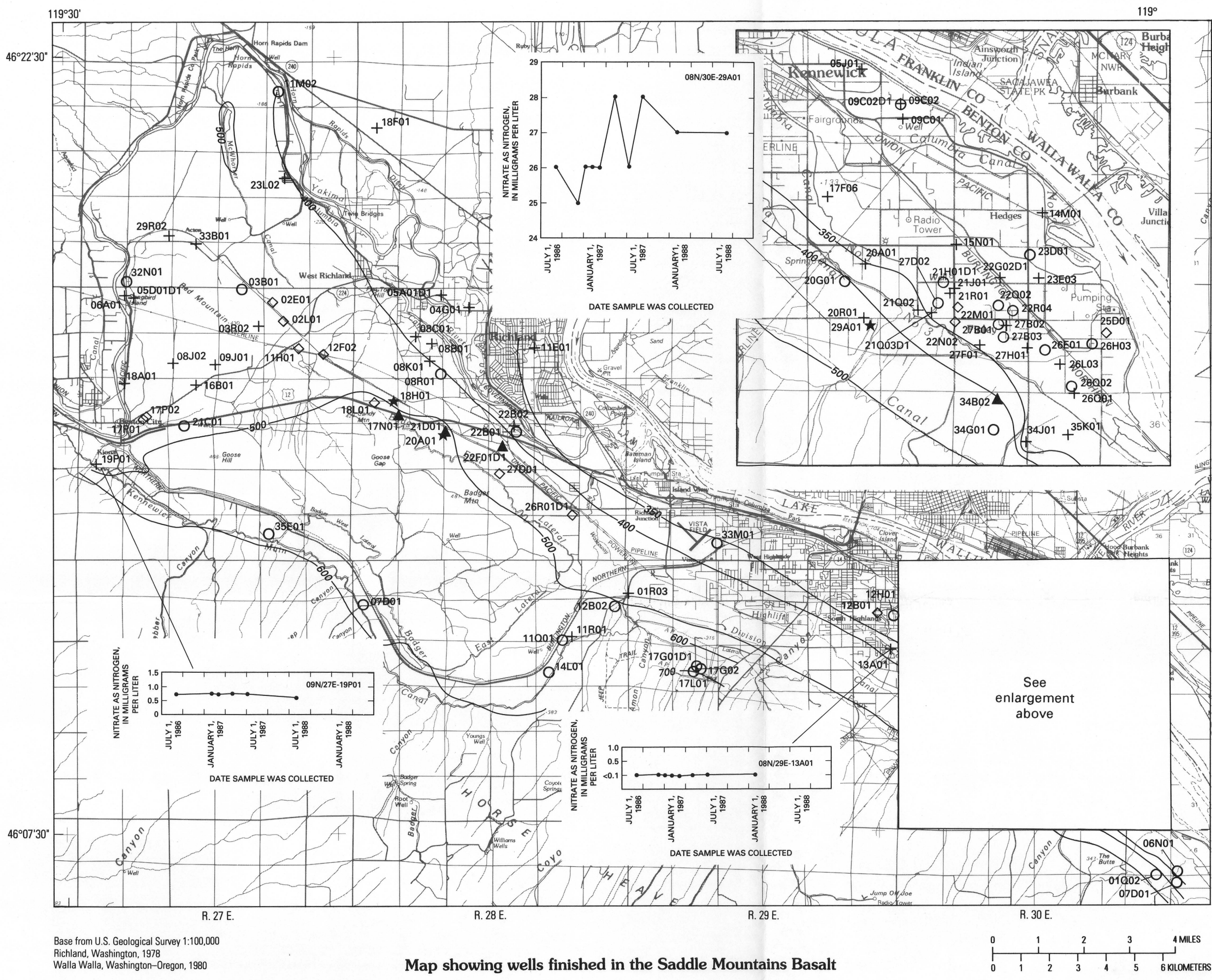
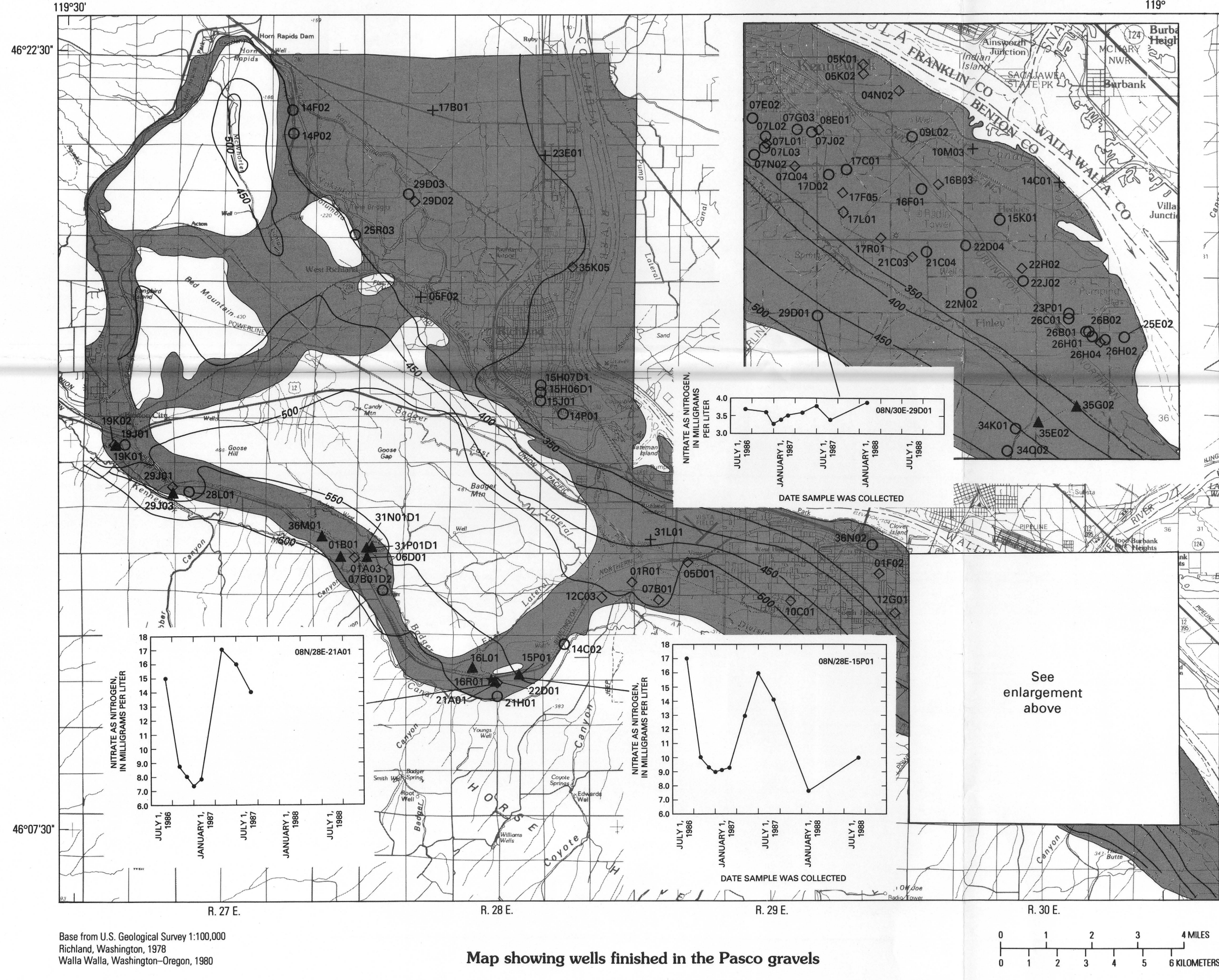




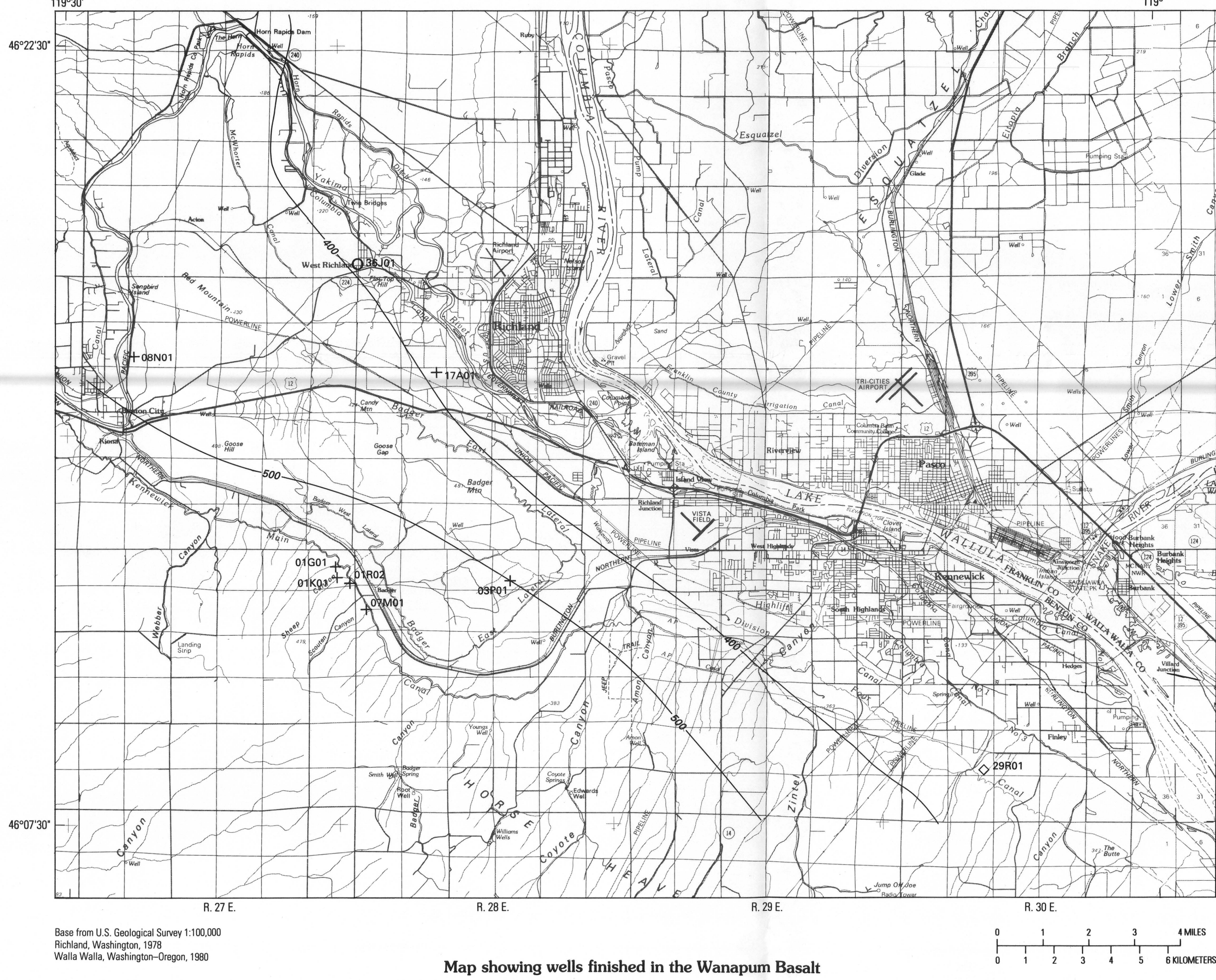
Map showing well locations and section traces



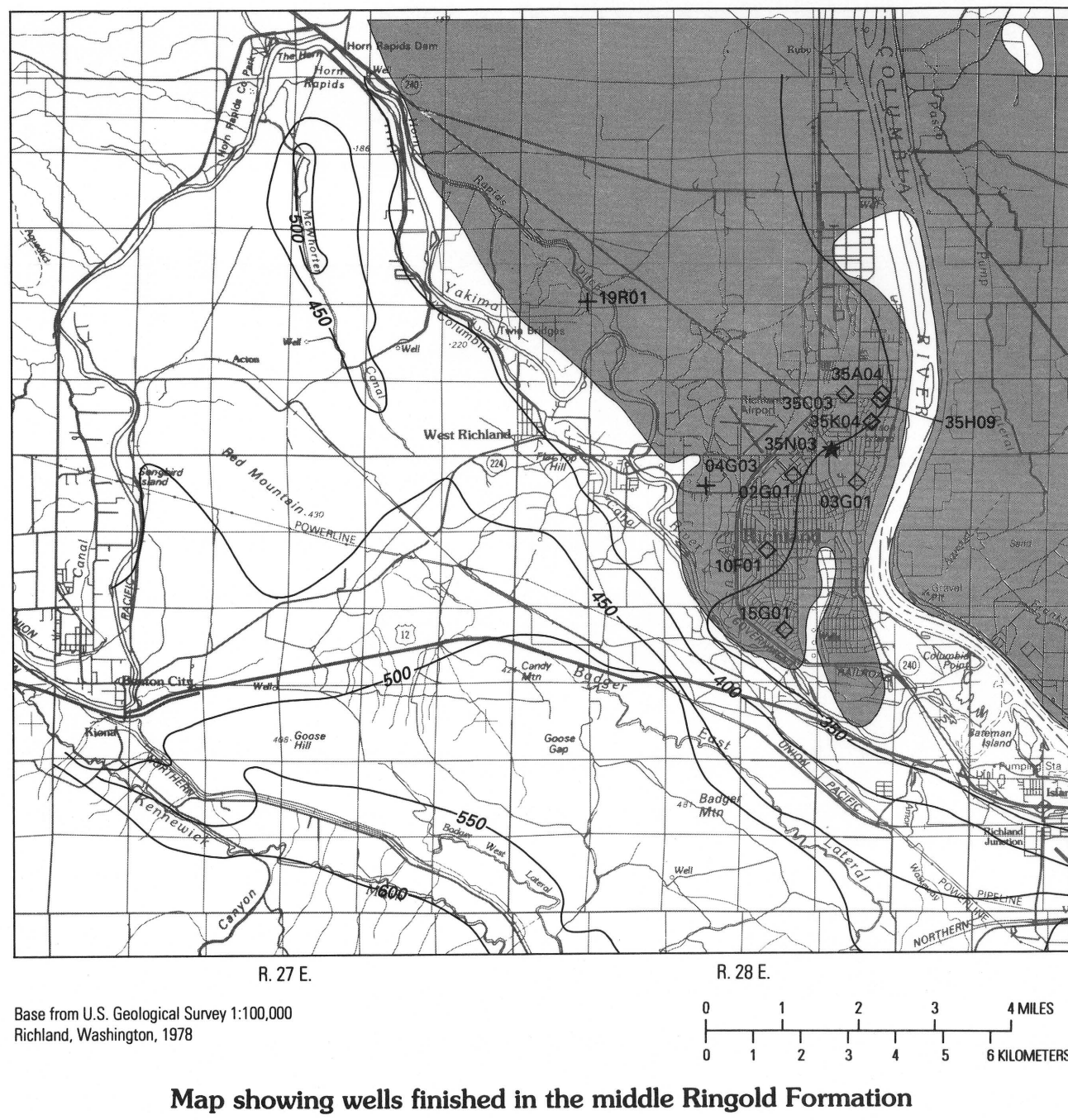
Map showing wells finished in the Saddle Mountains Basalt



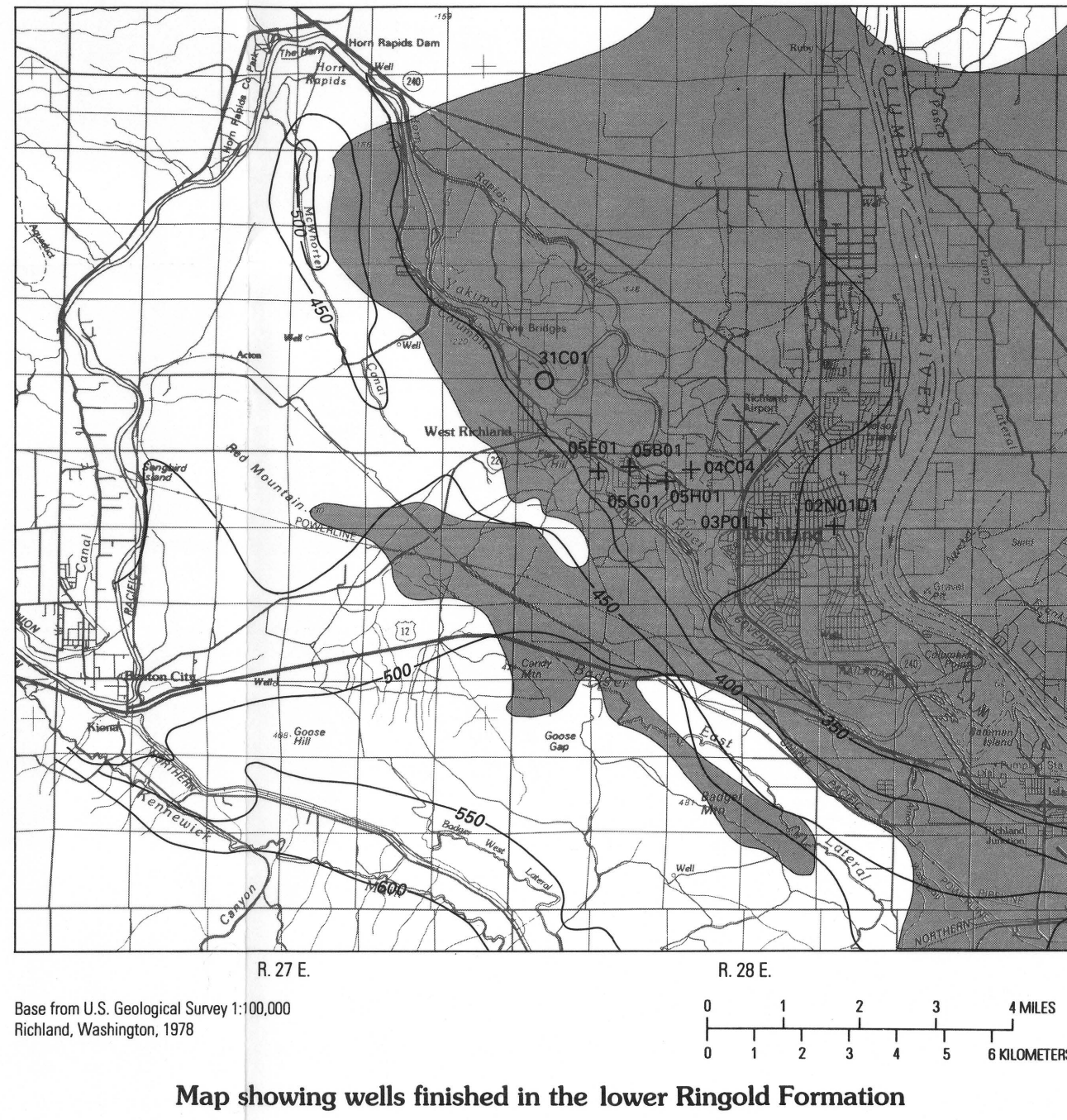
Map showing wells finished in the Pasco gravels



Map showing wells finished in the Wanapum Basalt

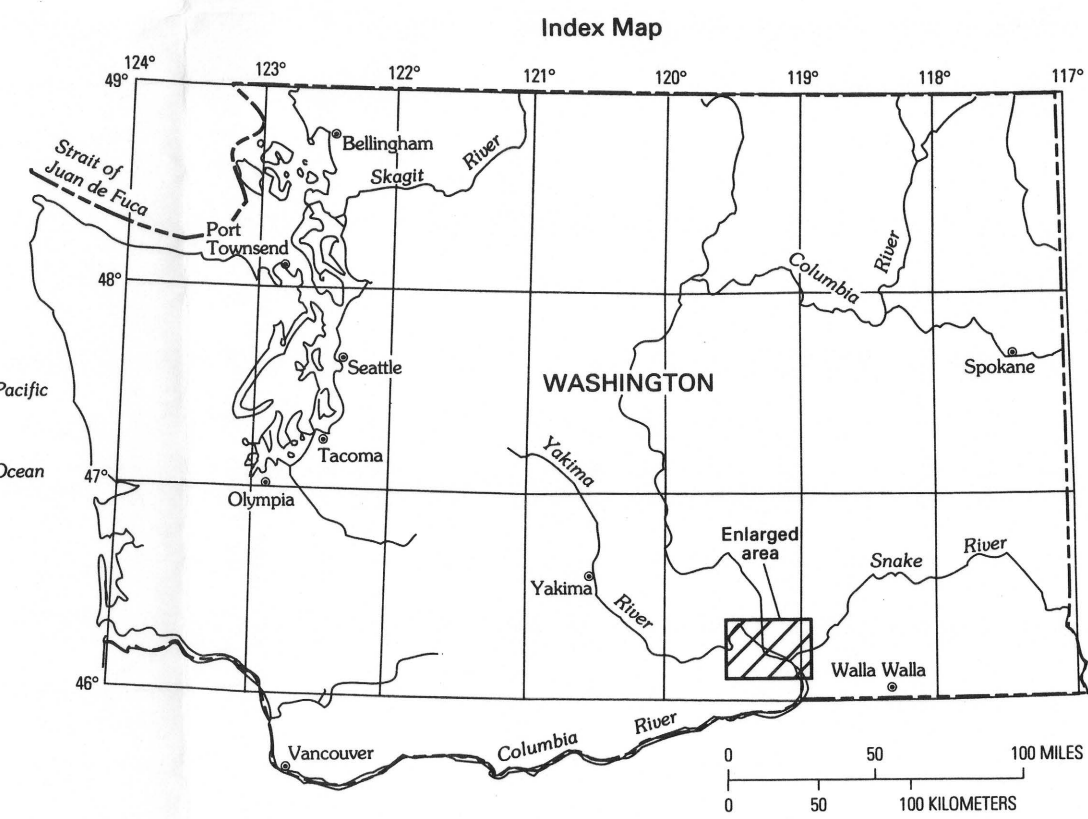


Map showing wells finished in the middle Ringold Formation

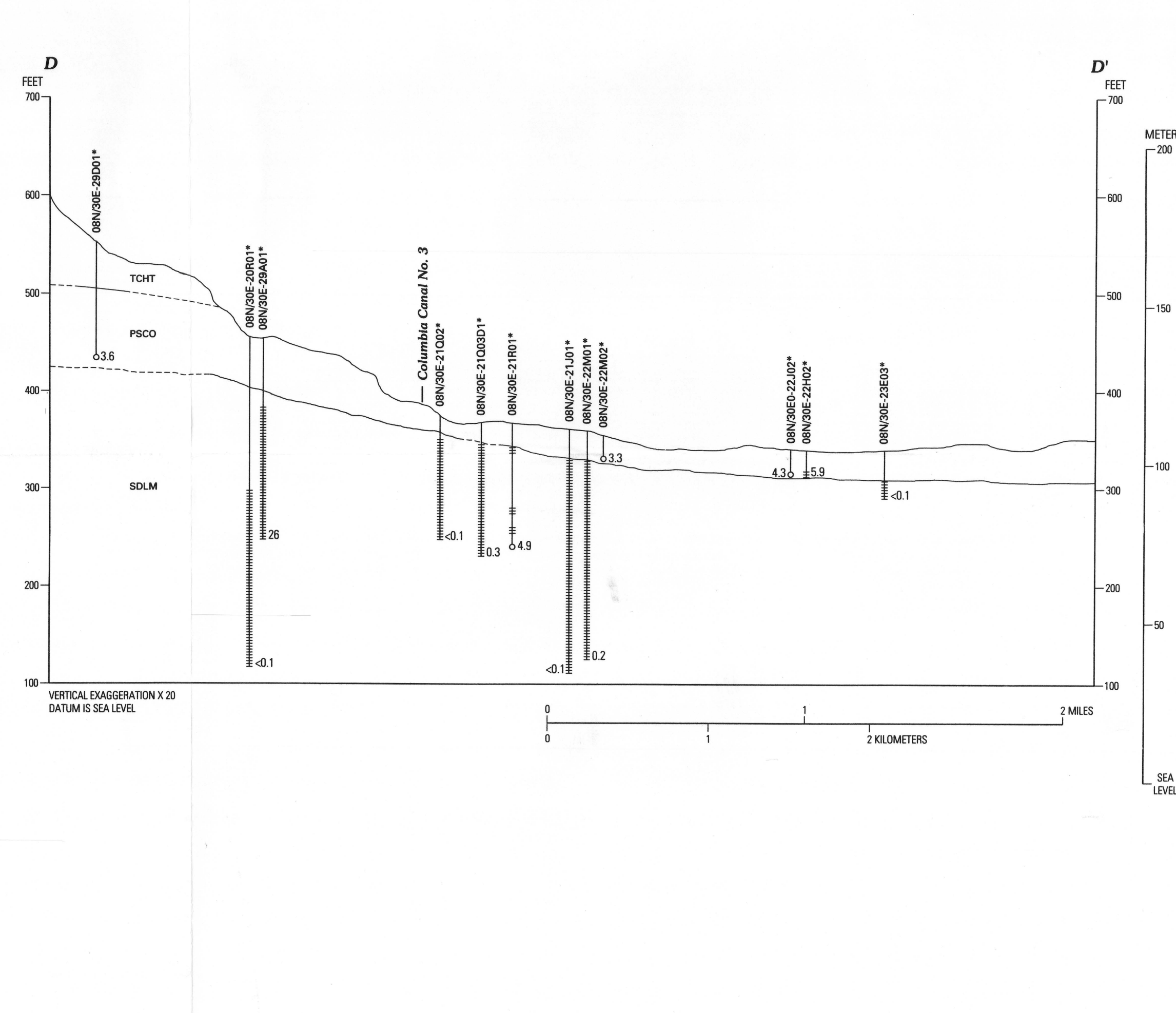
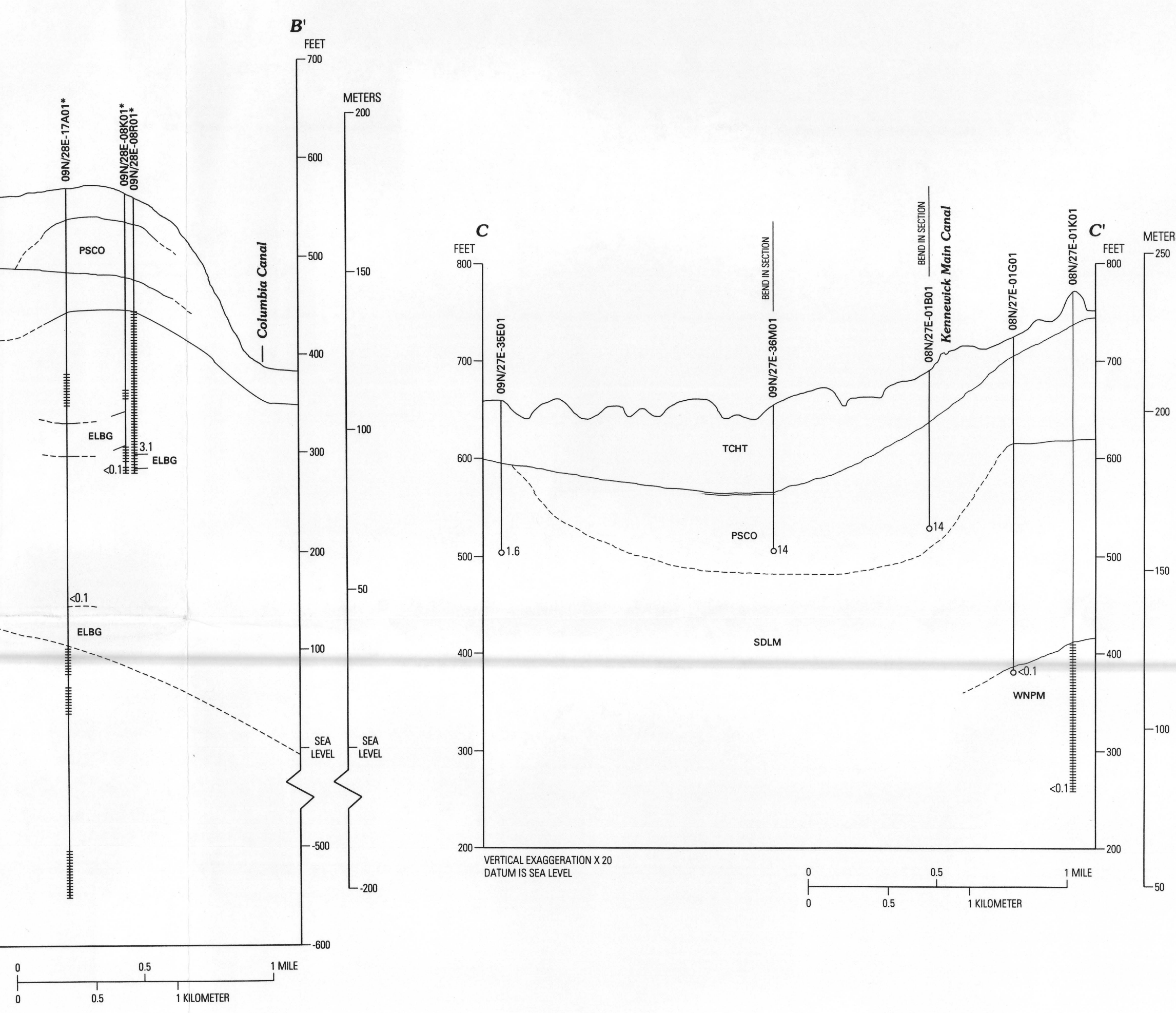
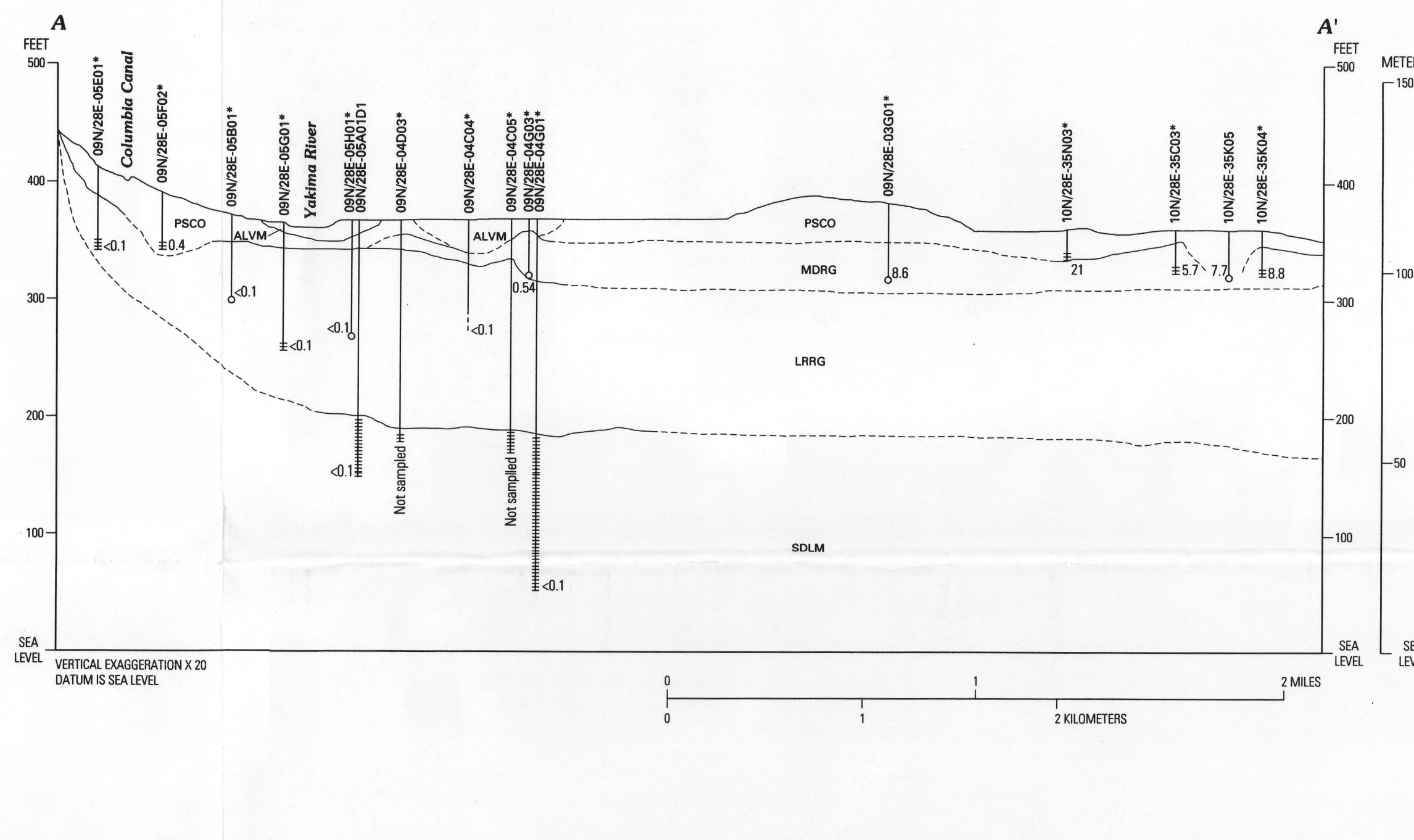
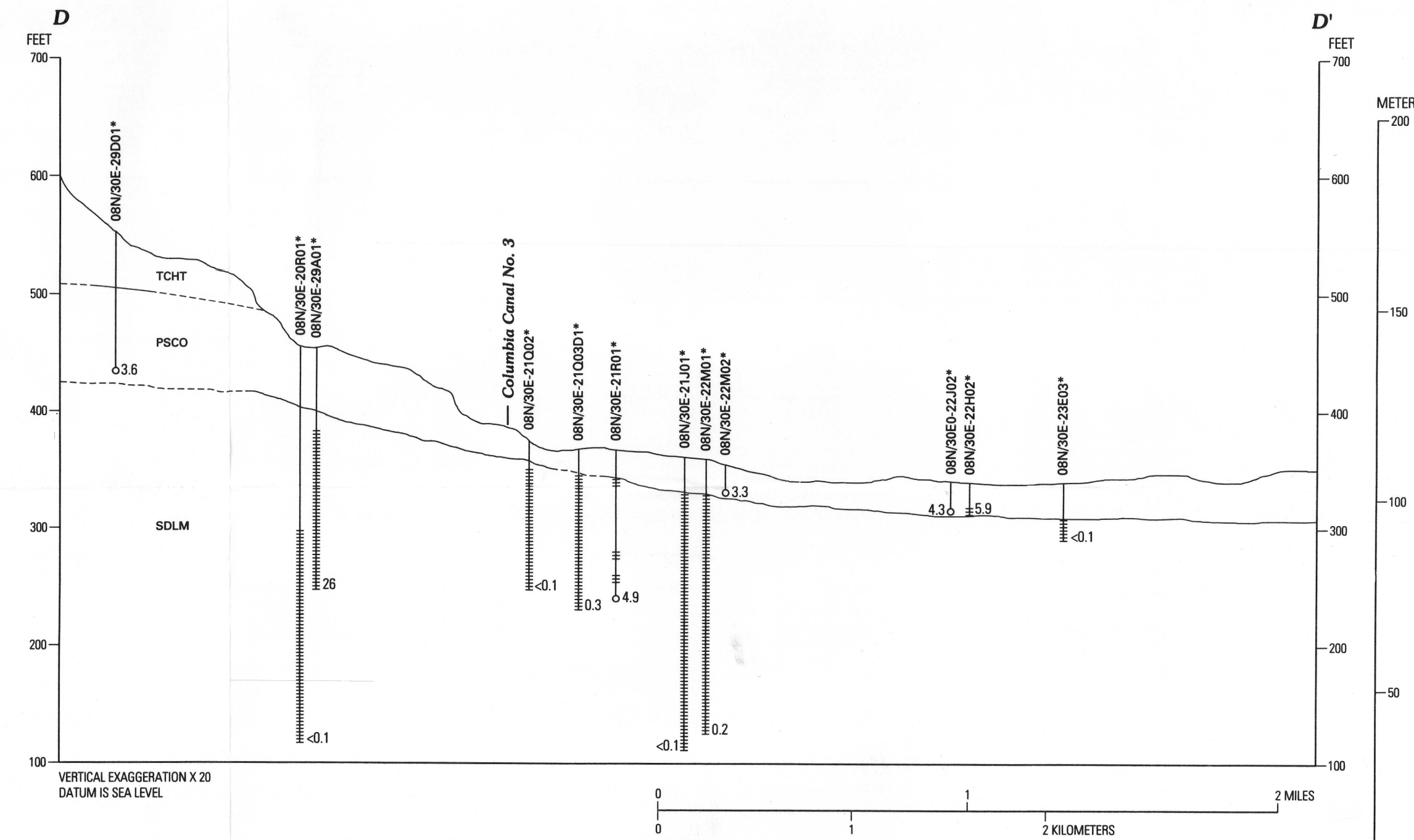


Map showing wells finished in the lower Ringold Formation

EXPLANATION
Maps
Approximate areal extent of tops of unconsolidated units
Altitude of ground-water level, in feet above sea level—Water levels for the Wanapum Basalt are from Whitteman (1986). All others are from Drost and others, U.S. Geological Survey, written communication, (1994)
Well location and quarter-quarter section and sequence number designation—Symbol indicates the arithmetic mean of nitrate concentrations, in milligrams per liter as nitrogen, in water samples. For some closely spaced wells, nitrate concentrations are shown in parentheses after the site identifier
08K01 ± Less than 1.0
○ 1.0 to less than 5.0
● 5.0 to less than 10
▲ 10 to less than 20
★ Equal to or greater than 20
A—Trace of section



EXPLANATION
Sections
ALYM Alluvium
TCHT Touchet Beds
PSCO Pasco gravels
UPRO Upper unit
MGRO Middle unit
LRNG Lower unit
BRNG Basal unit
RGLG Undifferentiated Ringold Formation
SOLM Saddle Mountains Basalt
ELRG Ellensburg Formation
WVPM Wanapum Basalt
Geologic contact—Approximately located, dashed where uncertain
Local well number—Asterisk (*) indicates that the well is protected onto the section trace on the map. Open intervals for protected wells are shown in correct geologic units but may not reflect correct altitudes of tops and bottoms of screened intervals
Well—Number beside opening is the arithmetic mean of nitrate concentrations, in milligrams per liter as nitrogen, in water samples from the well. < See then the value indicated
Screened or open interval
Open end
Open interval not known



MAPS AND SECTIONS SHOWING NITRATE CONCENTRATIONS IN GROUND WATER
IN BENTON COUNTY, WASHINGTON

By
J.C. Ebert, S.E. Cox, B.W. Drost, and K.M. Schurr
1995