

WHITE SALMON RIVER BASIN

KLICKITAT RIVER BASIN

LITTLE KLICKITAT RIVER BASIN

MAJOR CREEK BASIN

KLICKITAT RIVER BASIN

SWALE CREEK BASIN

- ▲ 1412500 Stream Gaging Station
Location number assigned by U.S. Geological Survey
(See Figure 22)
- 5 Location of Miscellaneous Discharge Measurement
Number refers to order in Appendix A, Table A-1
- 14112490 Crest-Stage Partial-Record Station
Location number assigned by U.S. Geological Survey
(See Appendix A, Table A-3)
- 14111500 Water Quality Analysis Collection Point
Location number assigned by U.S. Geological Survey

EXPLANATION

- Boundary of Washington Department of Ecology Water Resource Inventory Area (WRIA)
- Drainage Basin Boundary
- Drainage Sub-Basin Boundary
- ~ Intermittent Stream
- Perennial Stream

SCALE

0 1/2 0 1 2 3 4 miles

0 1 2 3 4 5 kilometers

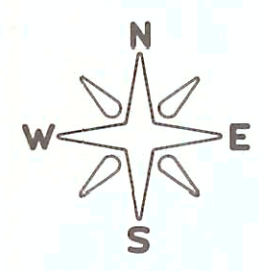


PLATE I
STREAMS AND SURFACE WATER DATA COLLECTION
LOCATIONS, KLICKITAT COUNTY, WASHINGTON (WEST
HALF)

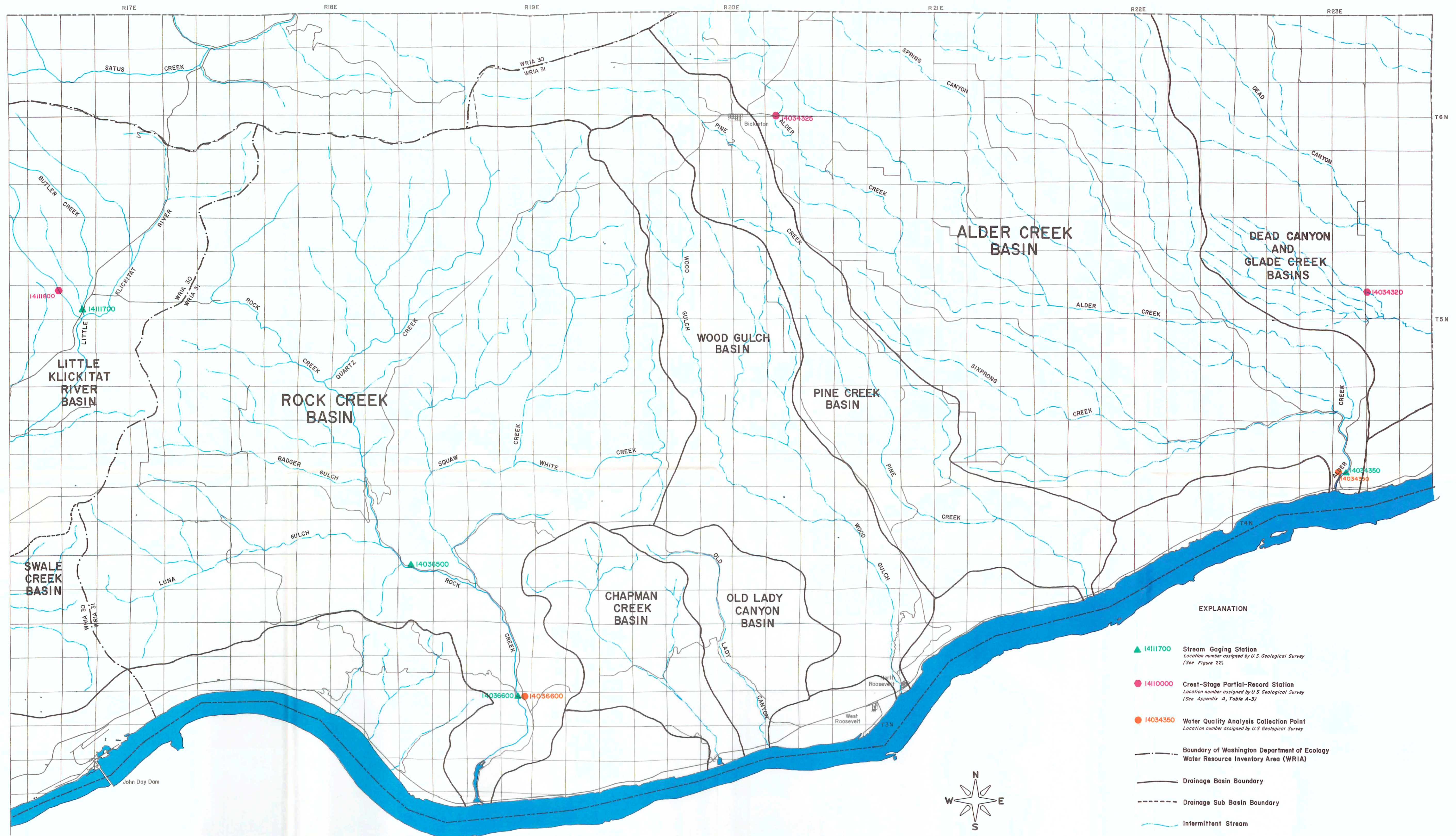
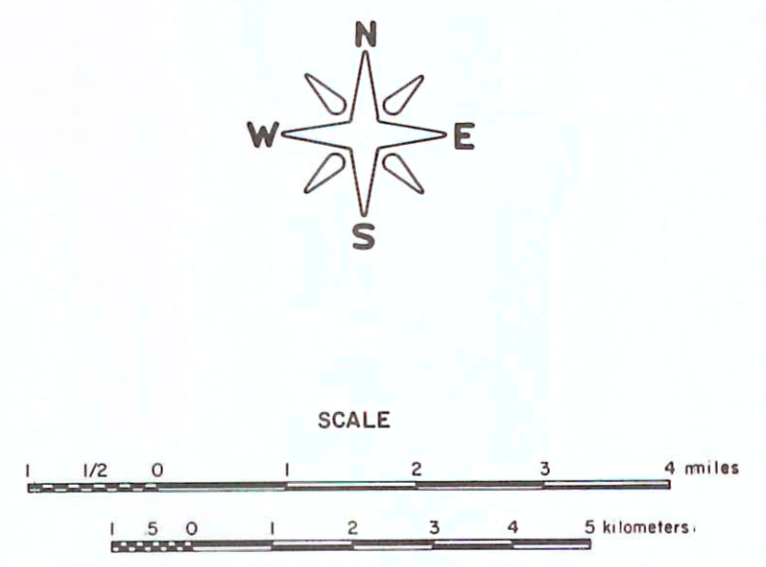


PLATE II
 STREAMS AND SURFACE WATER DATA COLLECTION LOCATIONS,
 KLICKITAT COUNTY, WASHINGTON (EAST HALF)



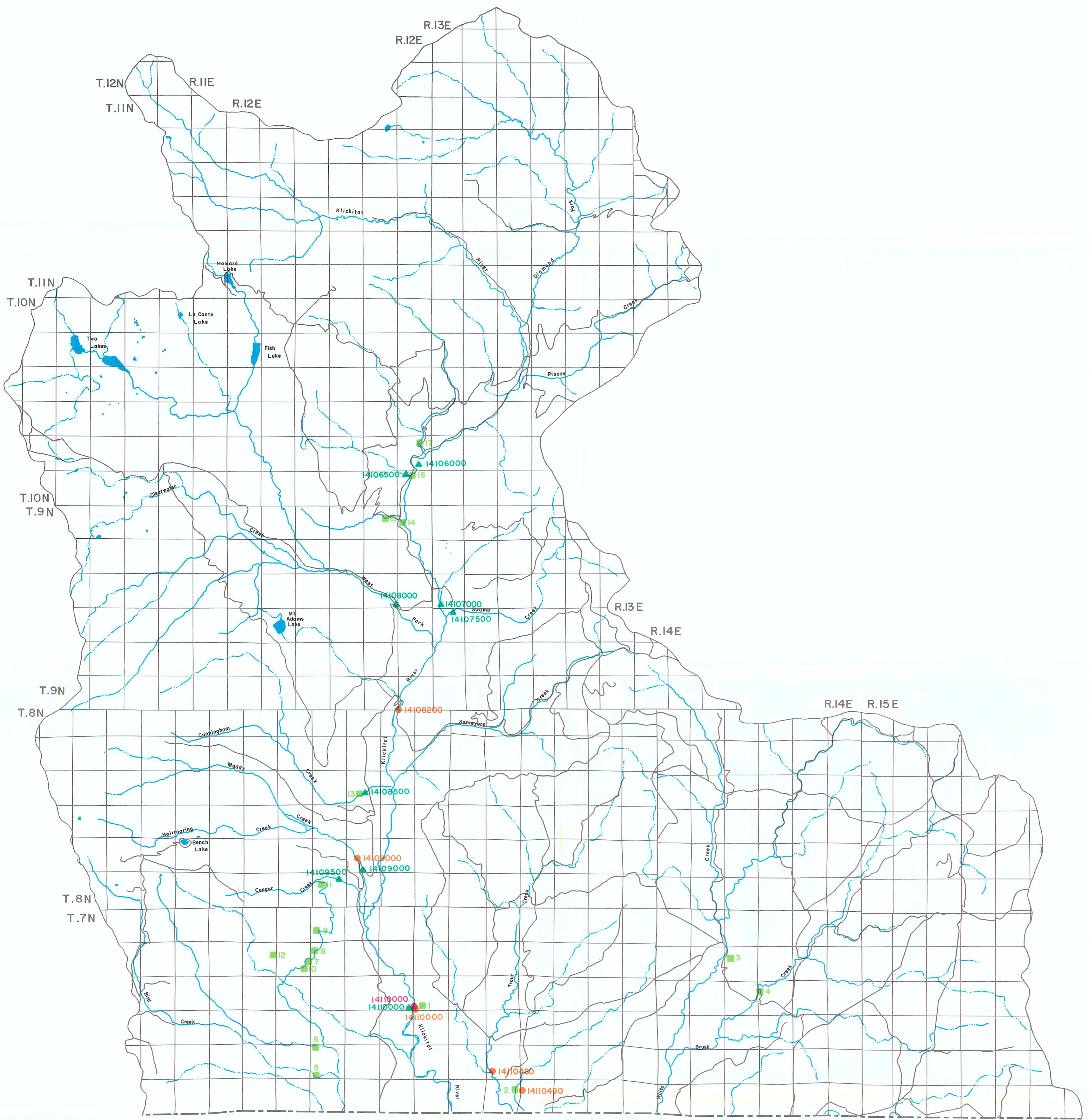


PLATE III

STREAMS AND SURFACE WATER DATA COLLECTION LOCATIONS, UPPER
Klickitat River Basin, YAKIMA COUNTY, WASHINGTON

EXPLANATION

▲ 14110000 Stream Gaging Station
Location number assigned by U.S. Geological Survey
(See Figure 22)

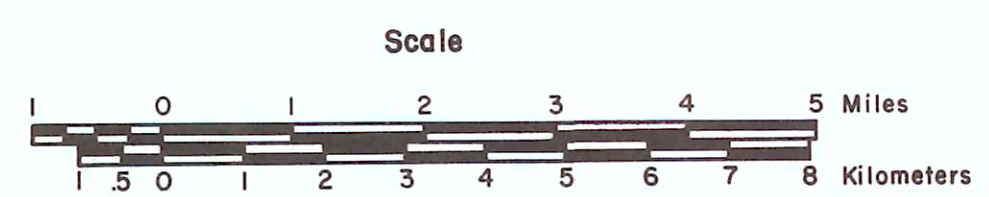
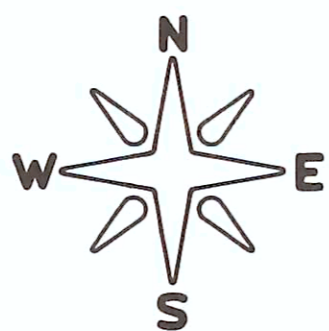
■ 2 Location of Miscellaneous Discharge Measurement
(Number refers to order in Appendix A, Table A-2)

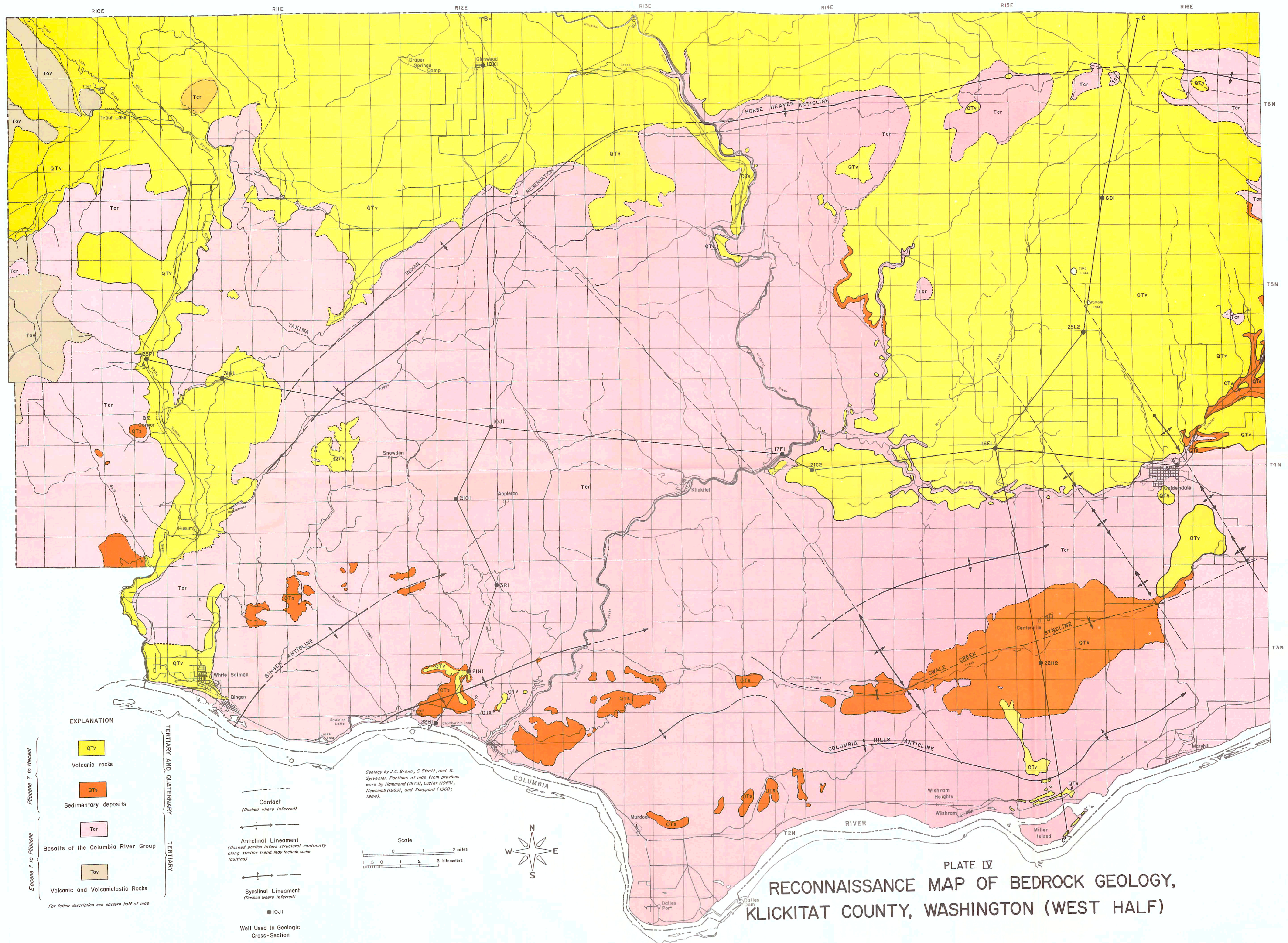
— Perennial Stream

● 14110000 Crest-Stage Partial-Record Station
Location number assigned by U.S. Geological Survey
(See Appendix A, Table A-3)

● 14109000 Water Quality Analysis Collection Point
Location number assigned by U.S. Geological Survey

- - - Intermittent Stream





EXPLANATION

Pliocene to Recent

QTV
Volcanic rocks

QTs
Sedimentary deposits

Tcr
Basalts of the Columbia River Group

Tov
Volcanic and Volcaniclastic Rocks

Eocene to Pliocene

TERTIARY AND QUATERNARY

TERTIARY

For further description see eastern half of map

--- Contact
(Dashed where inferred)

--- Anticlinal Lineament
(Dashed portion infers structural continuity along similar trend may include some faulting)

--- Synclinal Lineament
(Dashed where inferred)

● IOJ1
Well Used In Geologic Cross-Section

A — A'
Line Of The Geologic Cross-Section
(See Plate III)

Scale

0 1 2 miles

0 1 2 3 kilometers

N
W E
S

Geology by J.C. Brown, S. Strahl, and H. Sylvester. Portions of map from previous work by Hammond (1973), Luzier (1969), Newcomb (1969), and Sheppard (1960; 1964).

PLATE IV
RECONNAISSANCE MAP OF BEDROCK GEOLOGY,
Klickitat County, Washington (West Half)

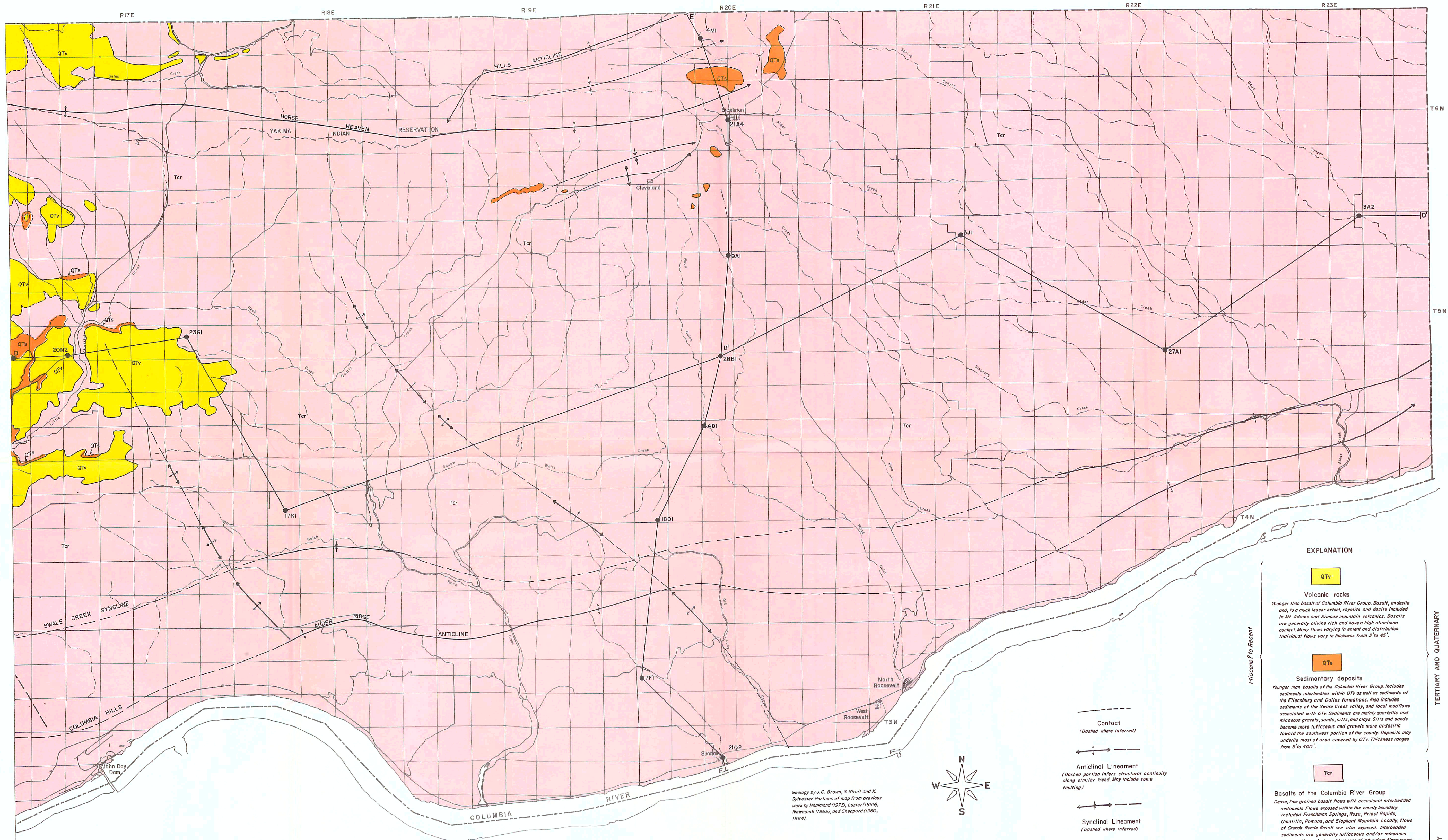
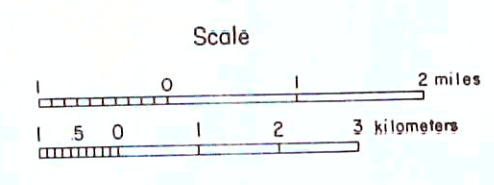


PLATE V
 RECONNAISSANCE MAP OF BEDROCK GEOLOGY,
 KLICKITAT COUNTY, WASHINGTON (EAST HALF)

Geology by J. C. Brown, S. Strait and K. Sylvester. Portions of map from previous work by Hammond (1973), Luzier (1969), Newcomb (1969), and Sheppard (1960, 1964).



- Contact
(Dashed where inferred)
- Anticlinal Lineament
(Dashed portion infers structural continuity along similar trend. May include some faulting)
- Synclinal Lineament
(Dashed where inferred)
- 21Q2
Well Used in Geologic Cross-Section
- D — D'
Line Of The Geologic Cross-Section
(See Plate VII)

EXPLANATION

QTV
 Volcanic rocks
 Younger than basalt of Columbia River Group. Basalt, andesite and, to a much lesser extent, rhyolite and dacite included in Mt. Adams and Simcoe mountain volcanics. Basalts are generally olivine rich and have a high aluminum content. Many flows varying in extent and distribution. Individual flows varying in thickness from 3' to 45'.

QTs
 Sedimentary deposits
 Younger than basalt of the Columbia River Group. Includes sediments interbedded within QTs as well as sediments of the Ellensburg and Dalles formations. Also includes sediments of the Swale Creek valley, and local mudflows associated with QTs. Sediments are mainly quartzitic and micaceous gravels, sands, silts, and clays. Silts and sands become more tuffaceous and gravels more andesitic toward the southwest portion of the county. Deposits may underlie most of area covered by QTV. Thickness ranges from 5' to 400'.

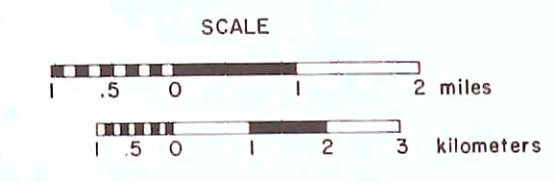
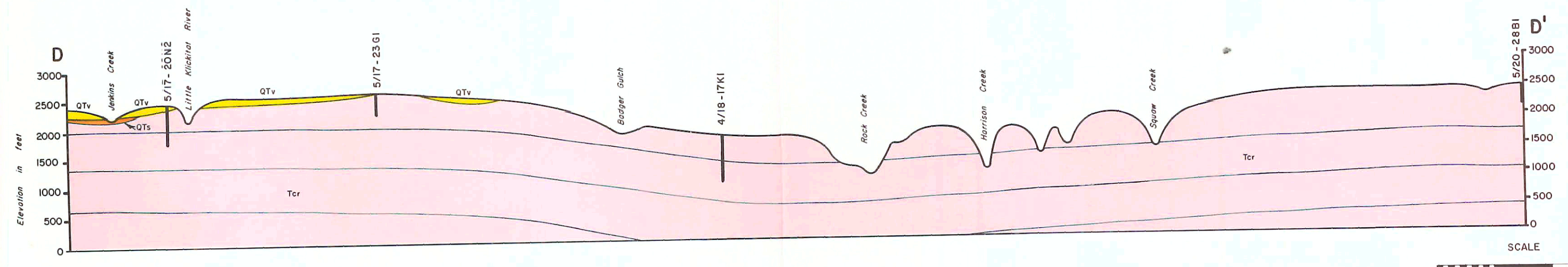
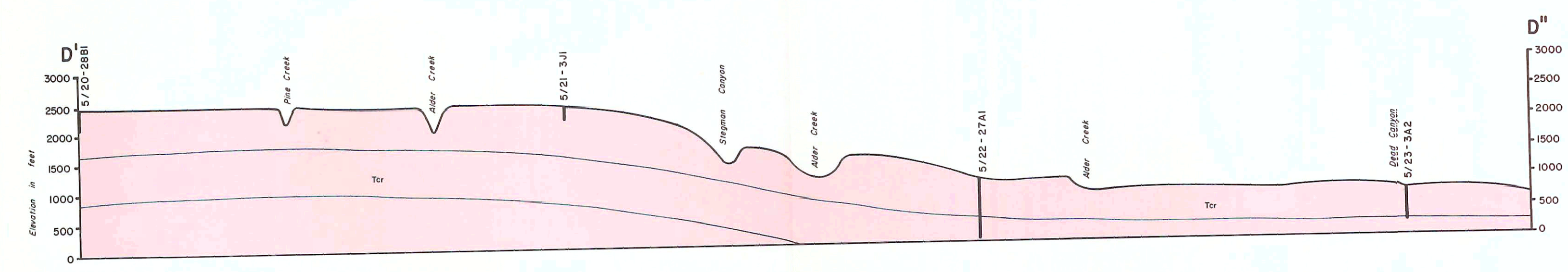
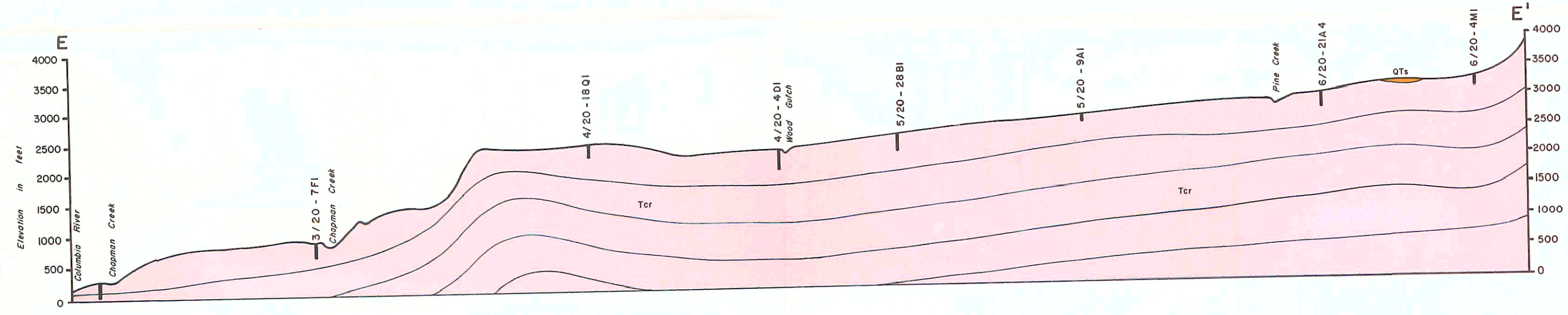
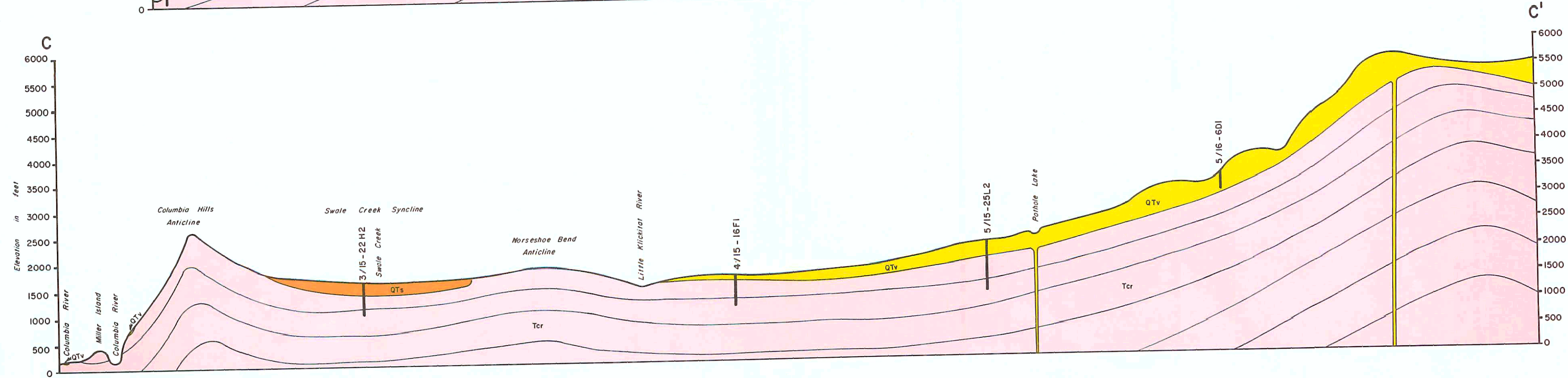
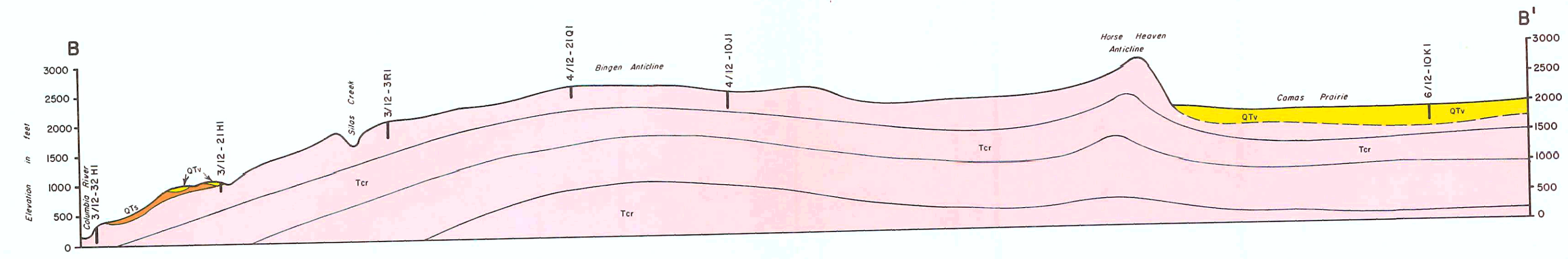
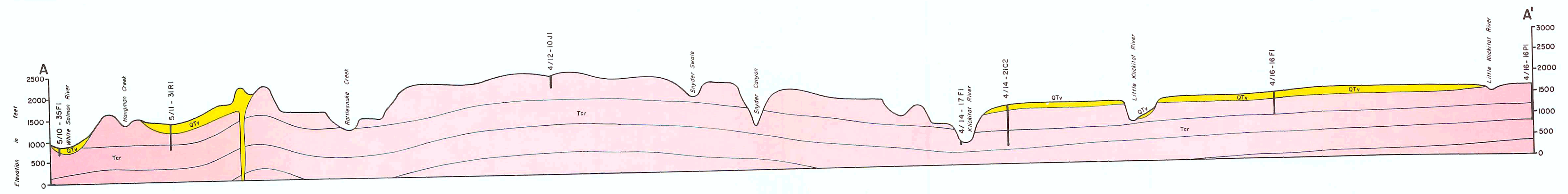
Tcr
 Basalts of the Columbia River Group
 Dase, fine grained basalt flows with occasional interbedded sediments. Flows exposed within the county boundary included Frenchman Springs, Rosa, Priest Rapids, Umattila, Pomona, and Elephant Mountain. Locally, flows of Grande Ronde Basalt are also exposed. Interbedded sediments are generally tuffaceous and/or micaceous sands, silts, and clays. Thickness of individual flows varies from 50' to 200'. Individual interbed thicknesses are generally less than 10' but thicker in the east end of the county reaching a maximum of 200' in the Roosevelt area. Thickness of the total basalt sequence is unknown.

Tov
 Volcanic and Volcaniclastic Rocks
 Older than basalt of the Columbia River Group. Principally pyroclastic tuff breccias with thin bedded tuffs, volcanic sandstones and rare interbedded basalt flows. Sequence may be equivalent to Chonopocosh and/or Eagle Creek formations. Outcrop thickness exceeds 1000' in the extreme northwest portion of the county, but total sequence thickness is unknown. Thickness of interbedded basalt flows is 25' to 75'.

Pliocene? to Recent

TERTIARY AND QUATERNARY

Eocene? to Pliocene



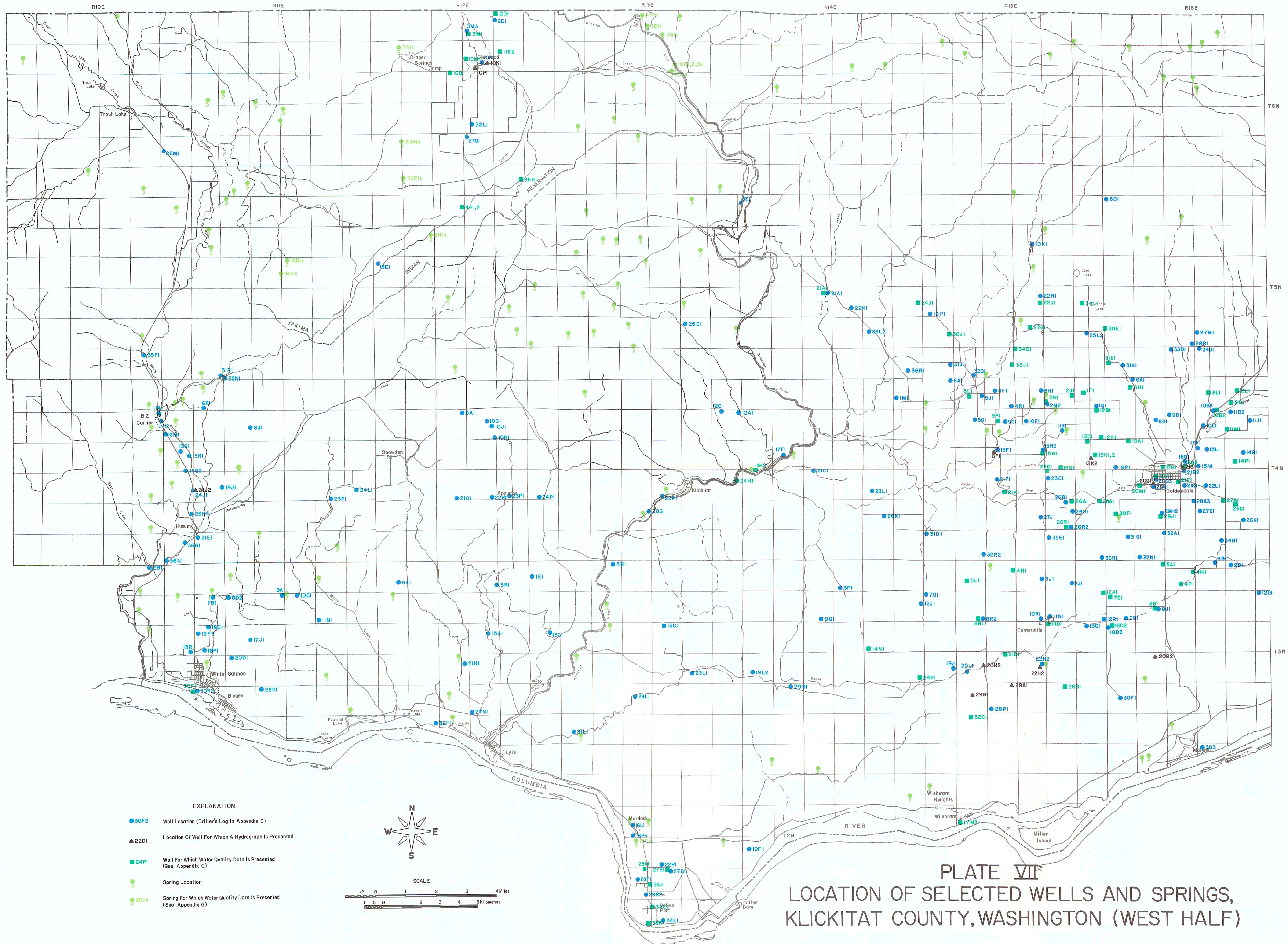


PLATE VII
 LOCATION OF SELECTED WELLS AND SPRINGS,
 KLICKITAT COUNTY, WASHINGTON (WEST HALF)

