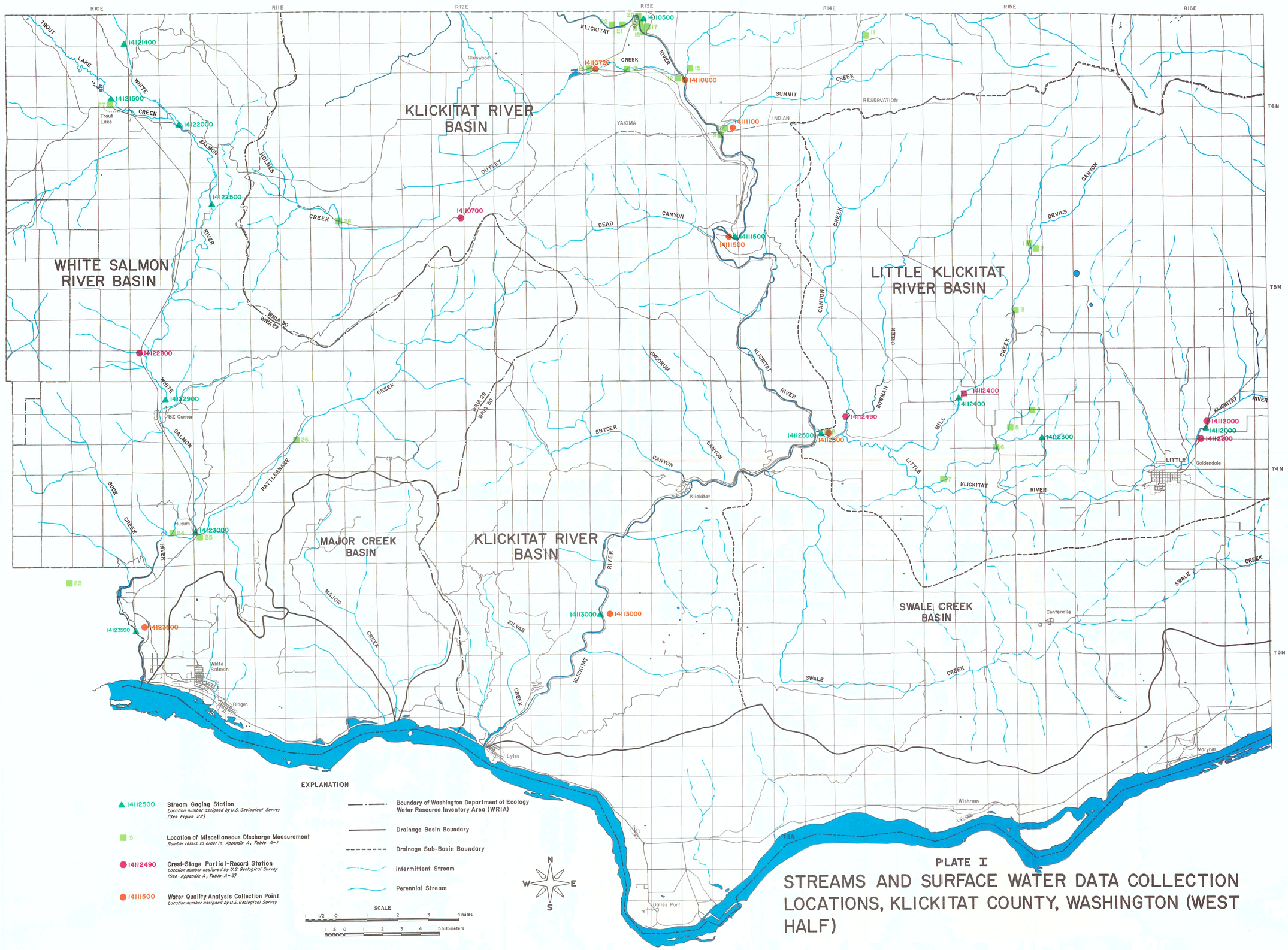


PLATE I

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

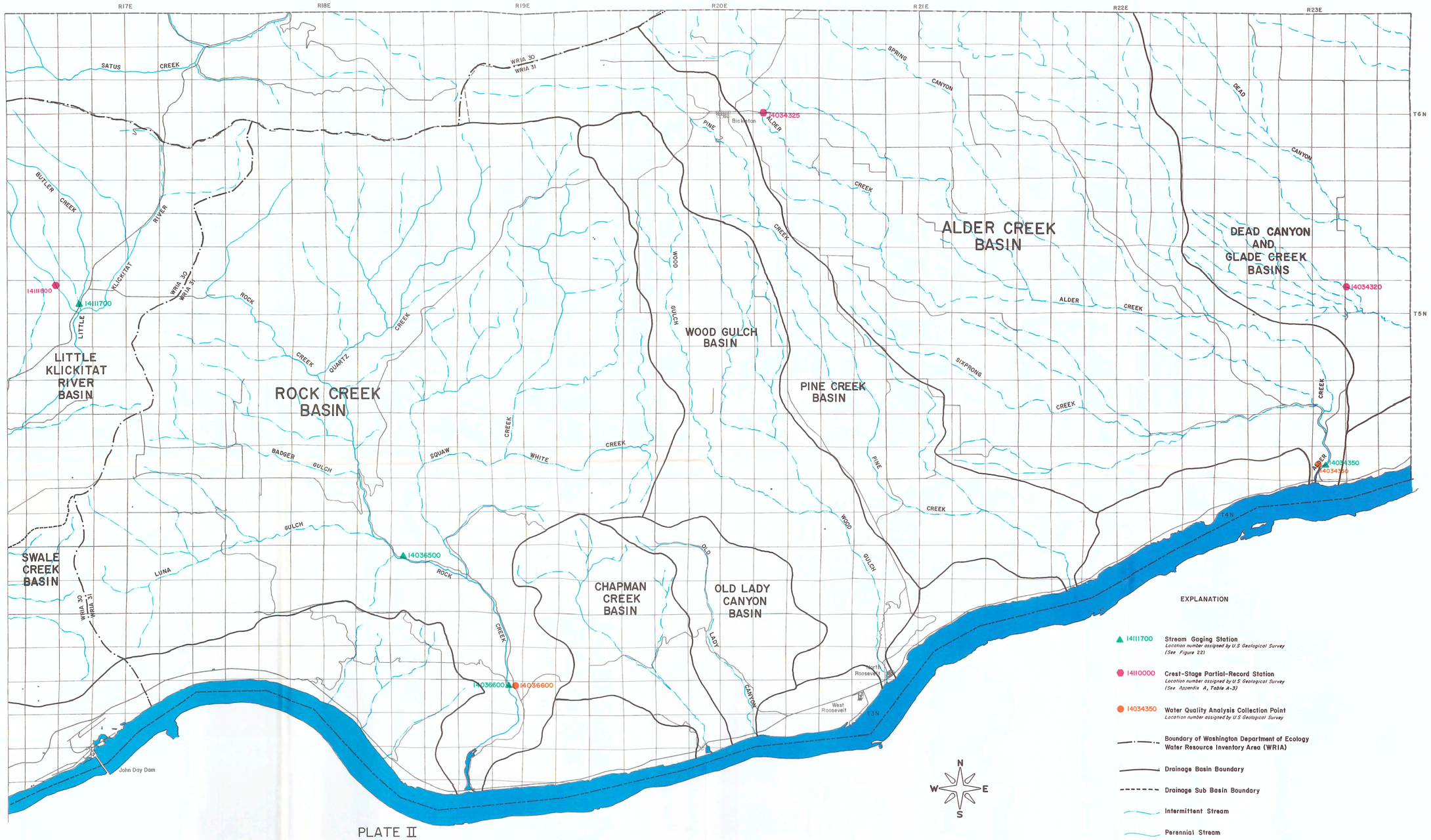


PLATE II

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

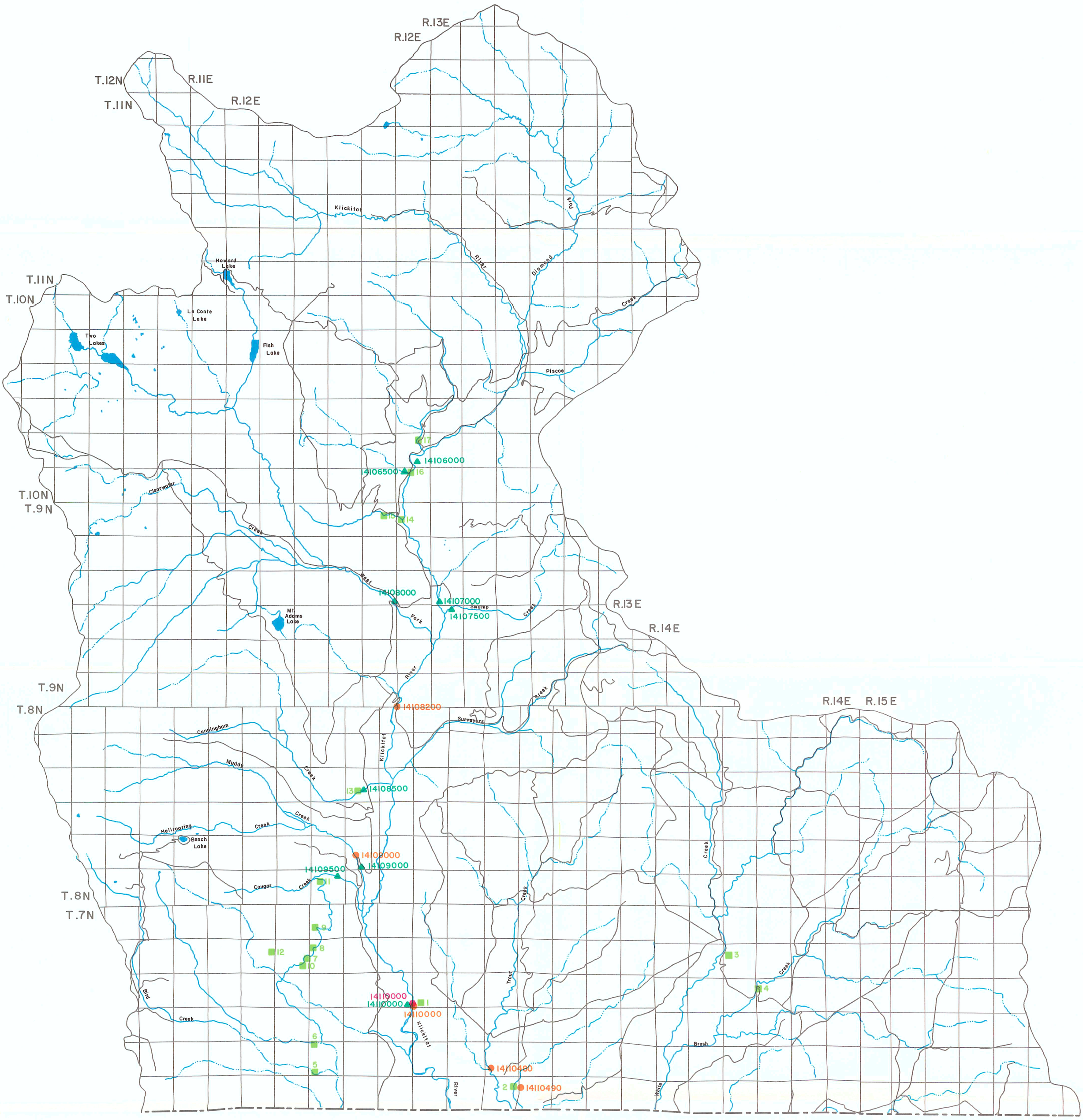


PLATE III

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

N
W E
S

Scale

1 0 1 2 3 4 5 Miles

1 .5 0 1 2 3 4 5 6 7 8 Kilometers

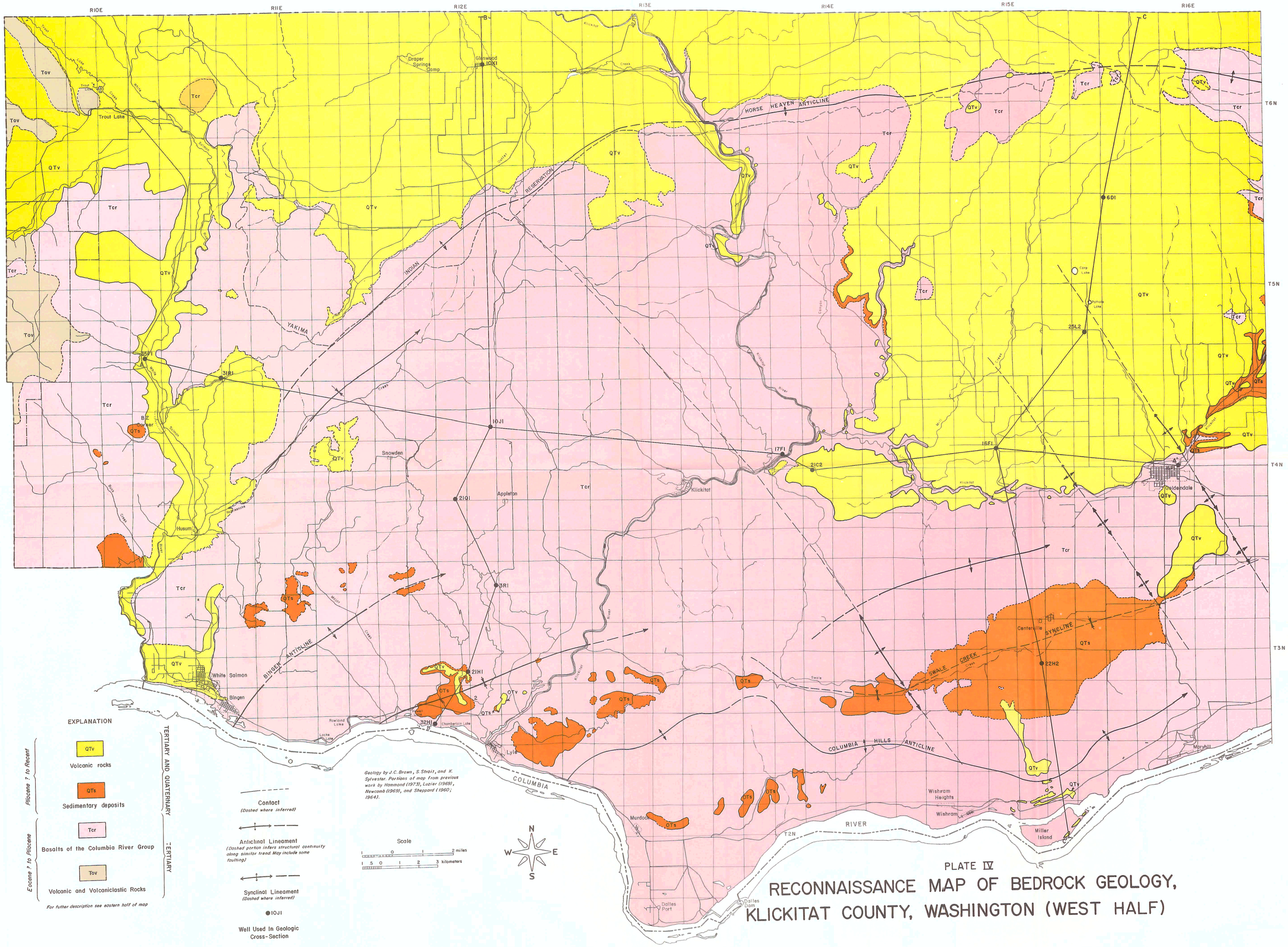
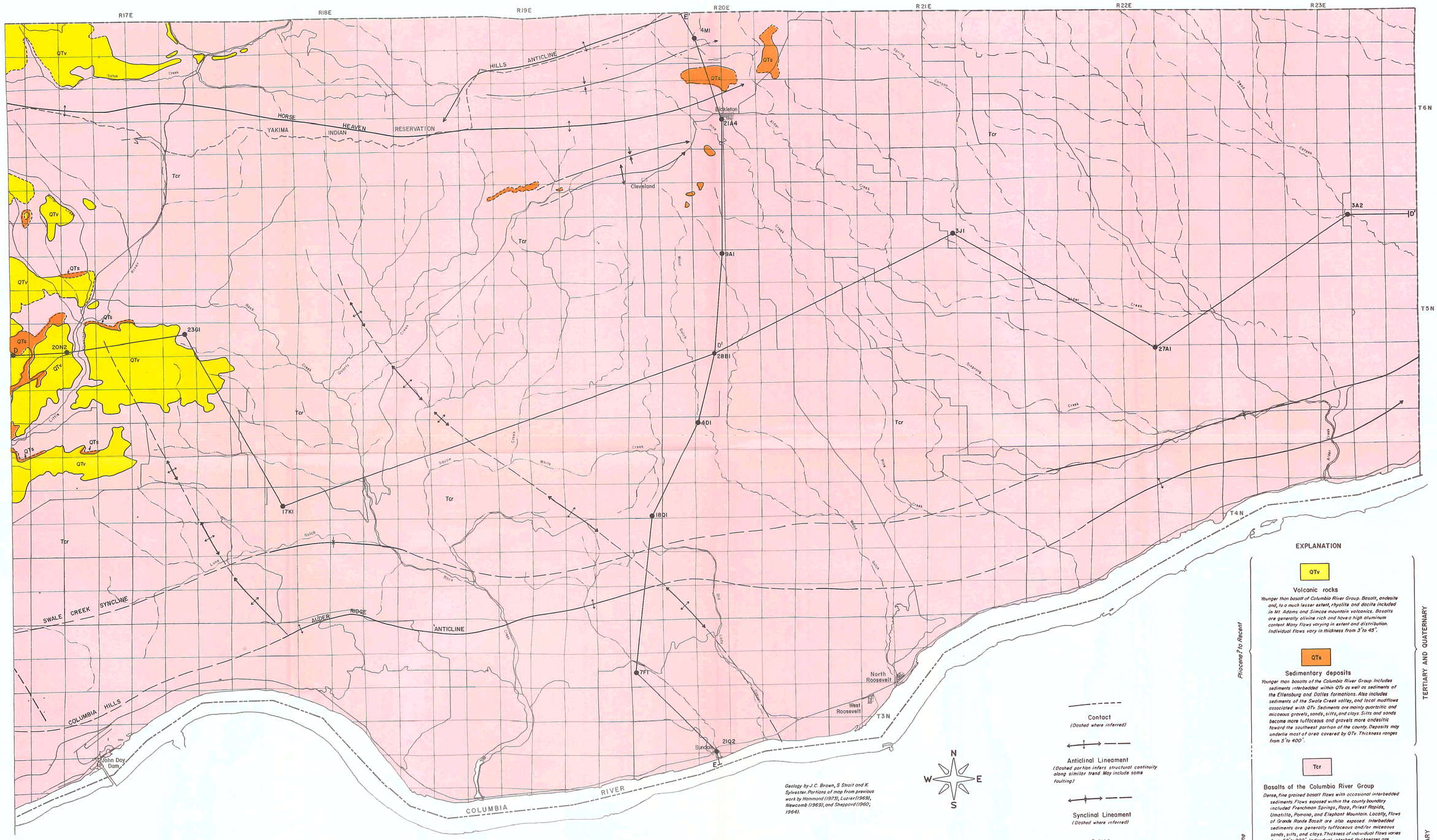


PLATE IV

RECONNAISSANCE MAP OF BEDROCK GEOLOGY, KLICKITAT COUNTY, WASHINGTON (WEST 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).

N
W E
S

Scale

1 0 1 2 miles

1 5 0 1 2 3 kilometers

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

TERTIARY AND QUATERNARY — *Pliocene? to Recent*

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 vary in thickness from 3' to 45'.

QTs

Sedimentary deposits

Younger than basalts of the Columbia River Group. Includes sediments interbedded within QTv as well as sediments of the Ellensburg and Dalles formations. Also includes sediments of the Swale Creek valley, and local mudflows associated with QTv. 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'.

TERTIARY — *Eocene? to Pliocene*

Tcr

Basalts of the Columbia River Group

Dense, fine grained basalt flows with occasional interbedded sediments. Flows exposed within the county boundary included Frenchman Springs, Roza, Priest Rapids, Umatilla, 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 thicken in the east end of the county reaching a maximum of 200' in the Roosevelt area. Thickness of the total basalt sequence is unknown.

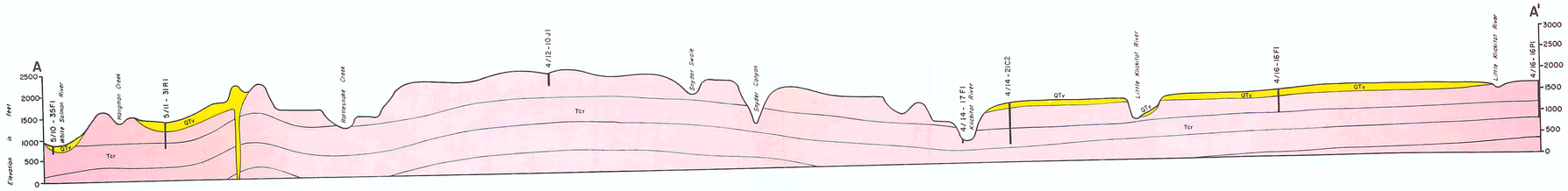
Tov

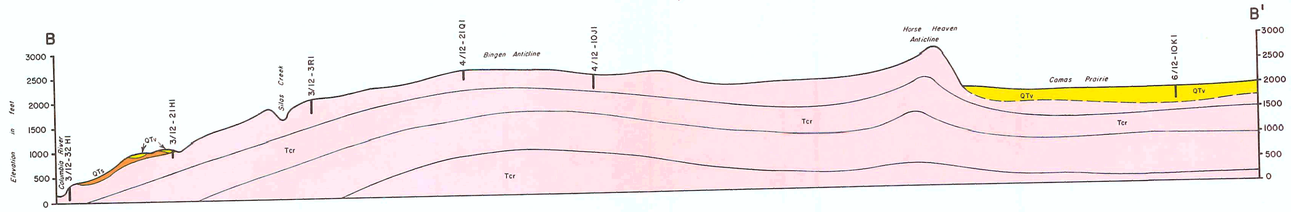
Volcanic and Volcaniclastic Rocks

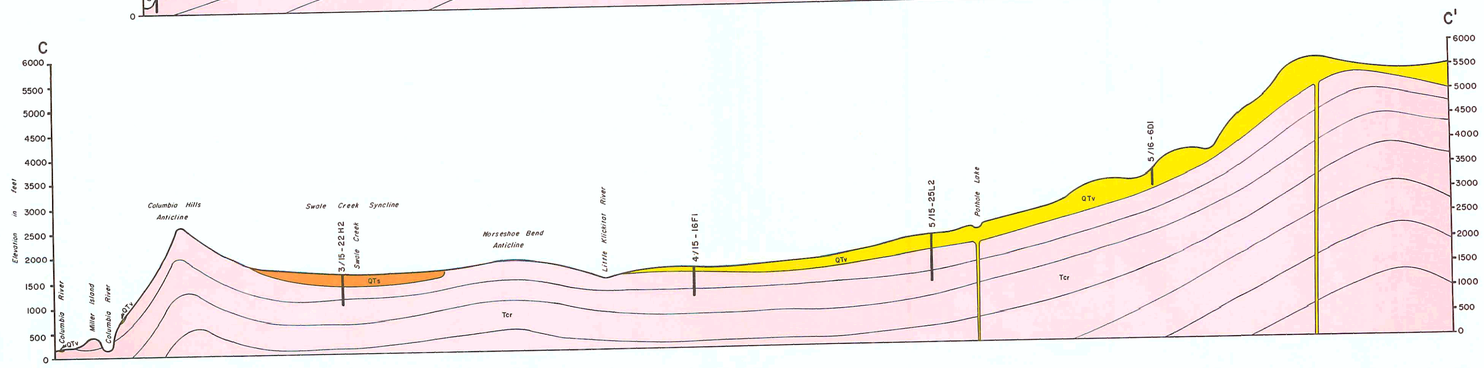
Older than basalts of the Columbia River Group. Principally pyroclastic tuff breccias with thin bedded tuffs, volcanic sandstones and rare interbedded basalt flows. Sequence may be equivalent to Chanapecosh and/or Eagle Creek formations. Outcrop thickness exceeds 1000' in the extreme northwest portion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

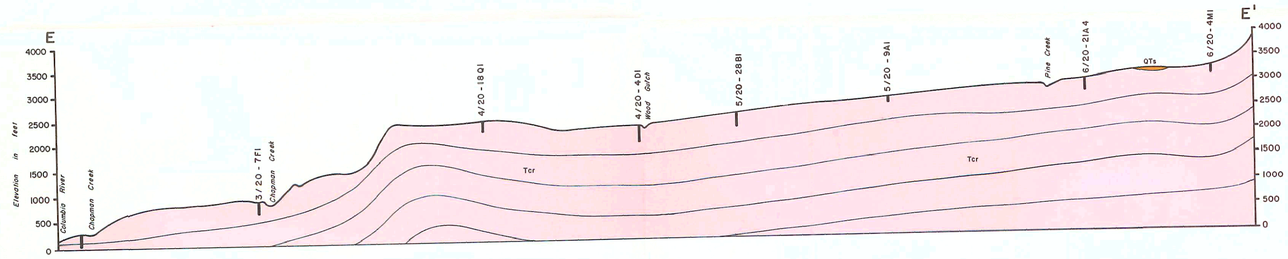
PLATE V

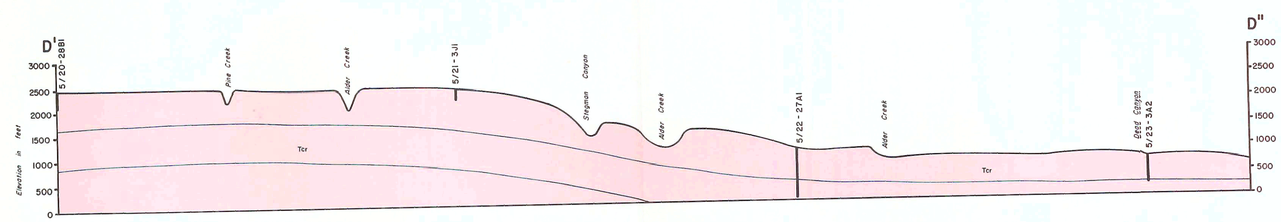
RECONNAISSANCE MAP OF BEDROCK GEOLOGY, KLICKITAT COUNTY, WASHINGTON (EAST HALF)

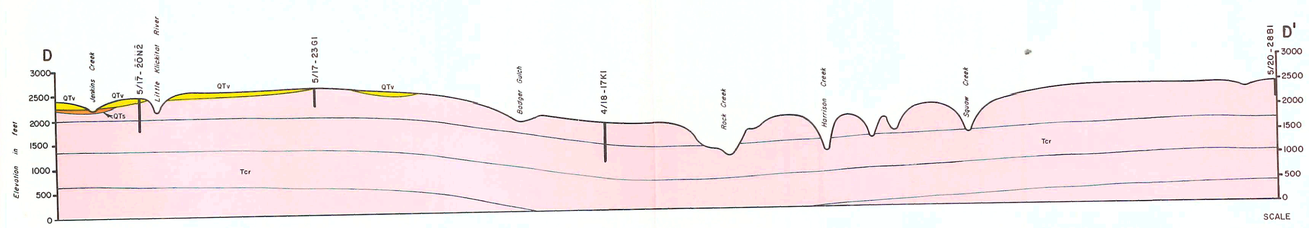












SCALE

1 .5 0 1 2 miles

1 .5 0 1 2 3 kilometers

PLATE VI GEOLOGIC CROSS-SECTIONS, KLICKITAT COUNTY, WASHINGTON

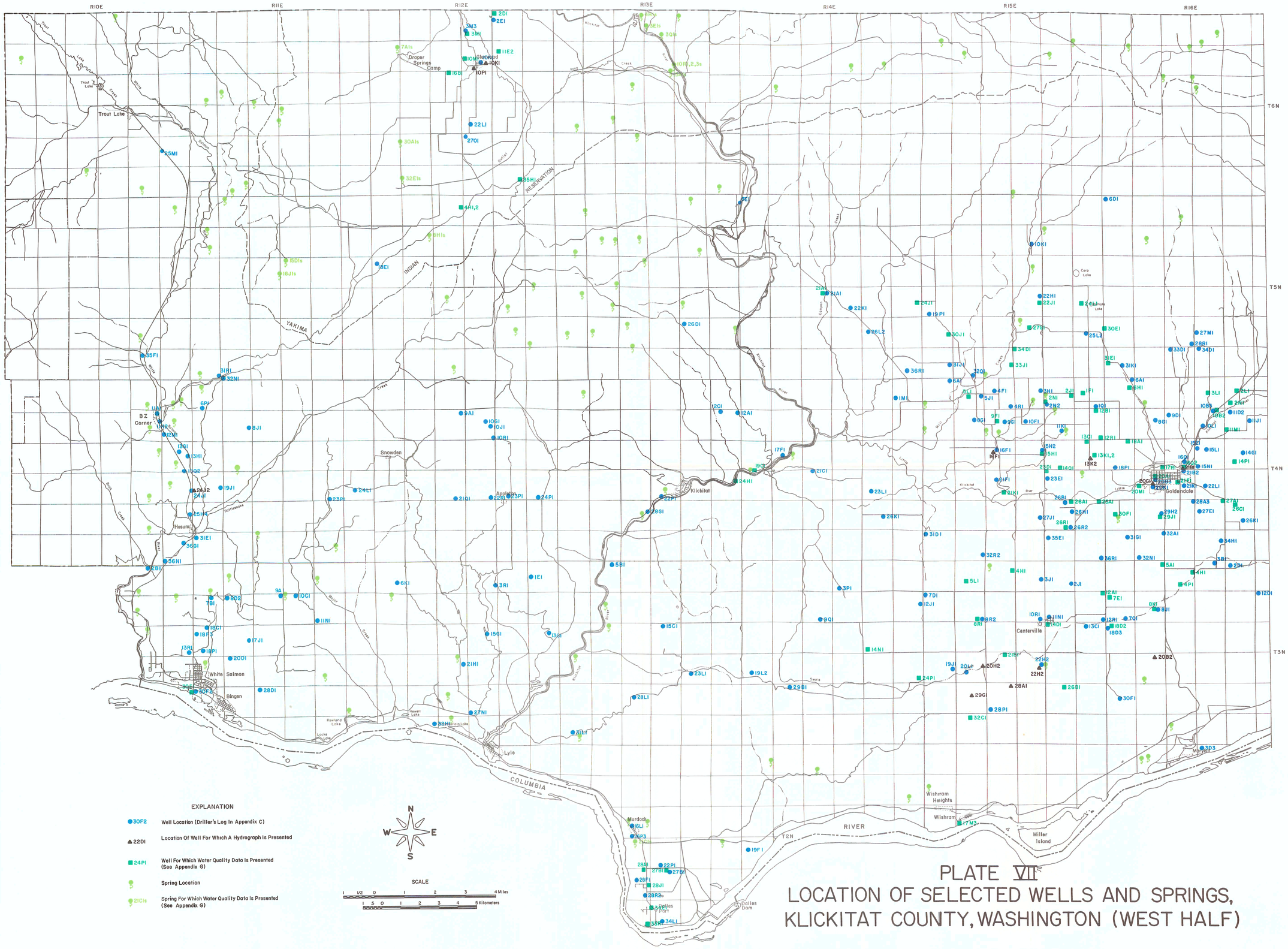


PLATE VII
LOCATION OF SELECTED WELLS AND SPRINGS, KLICKITAT COUNTY, WASHINGTON (WEST HALF)

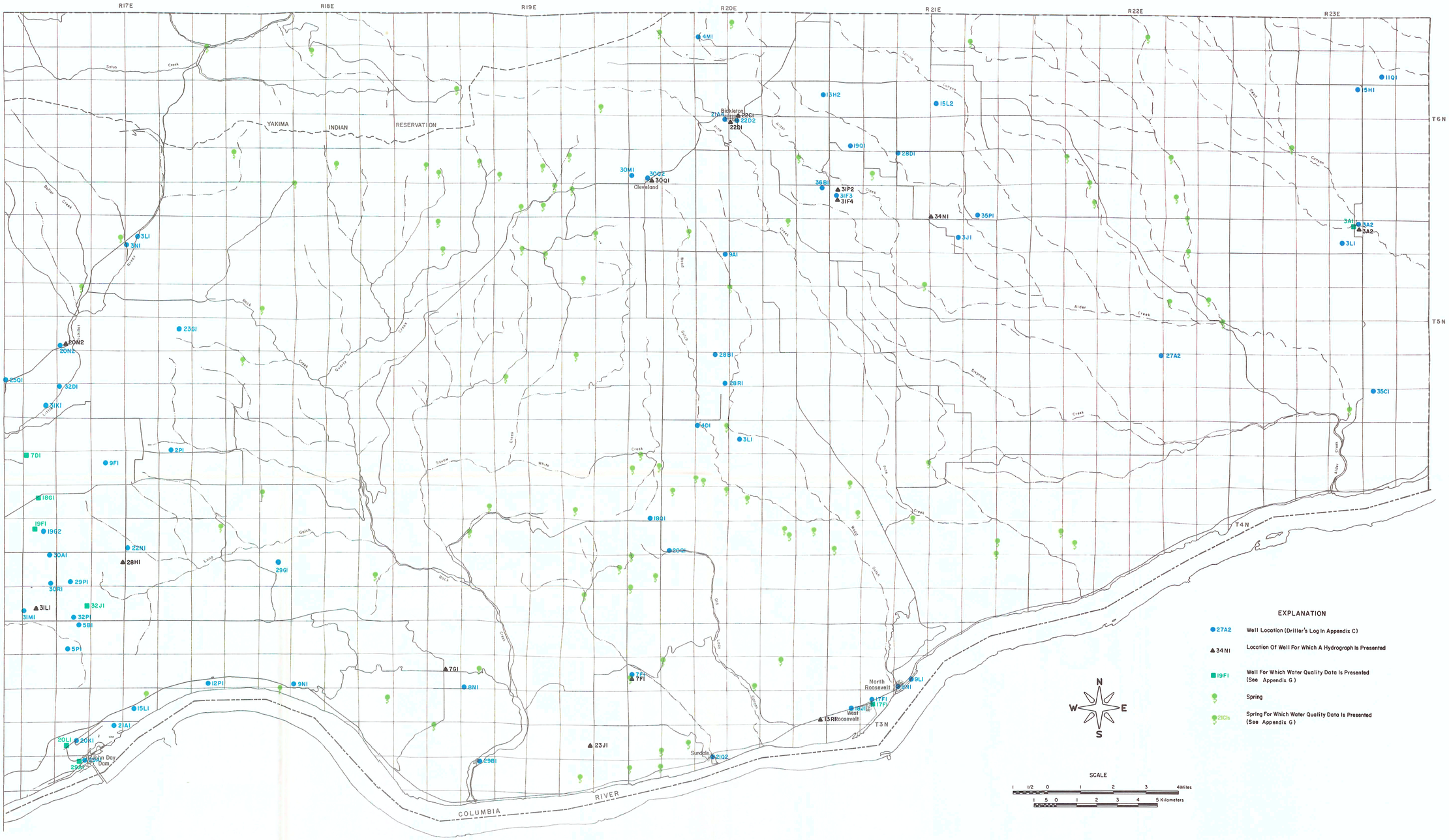


PLATE VIII

LOCATION OF SELECTED WELLS AND SPRINGS, KLICKITAT COUNTY, WASHINGTON (EAST HALF)