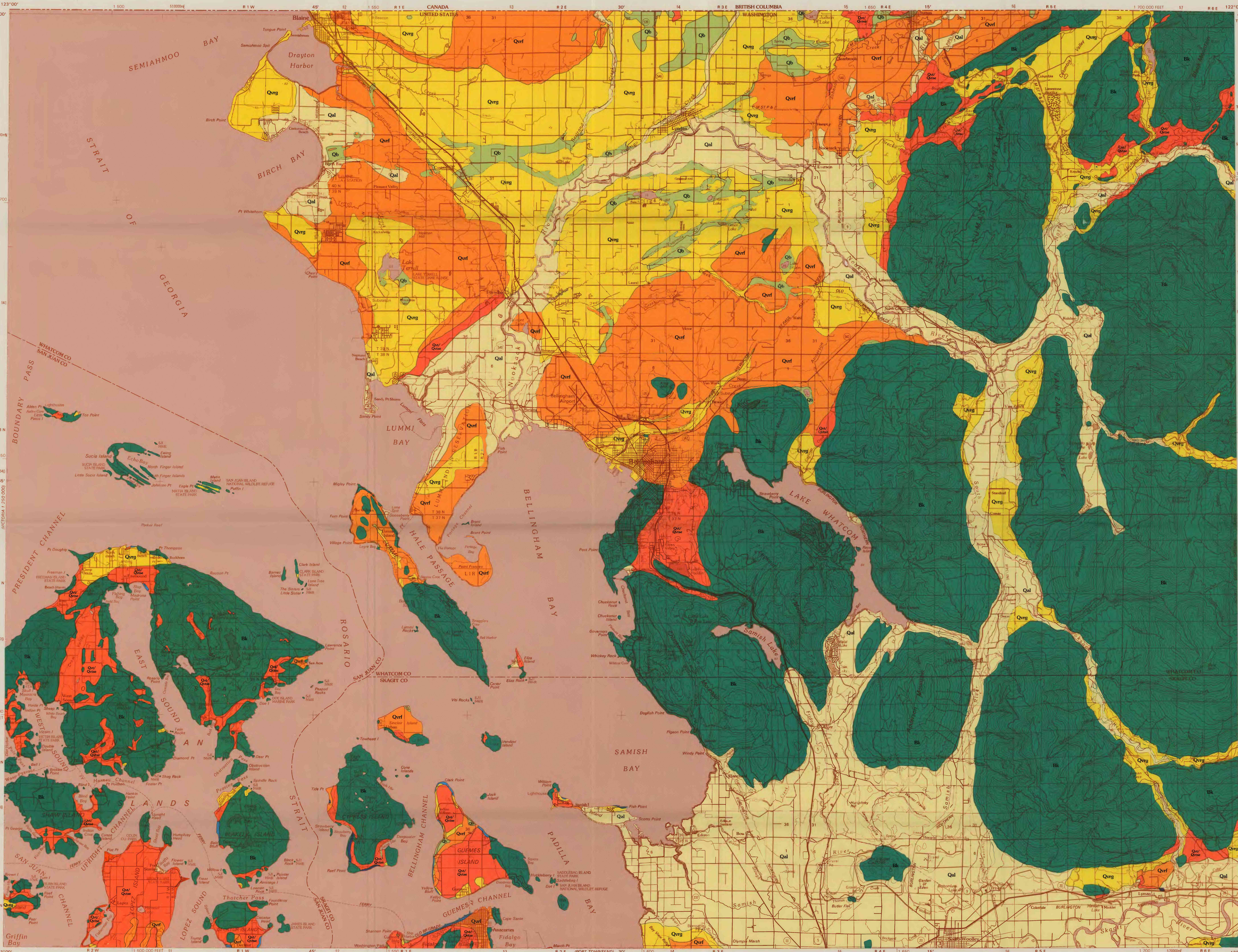
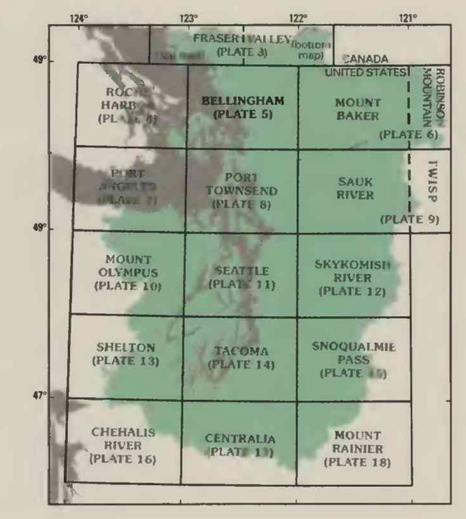
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PROFESSIONAL PAPER 1424–C
Surficial hydrogeologic units for the Bellingham quadrangle—PLATE 5
Jones, M.A., 1998, Geologic framework for the Puget Sound aquifer system, Washington and British Columbia



Base from U.S. Geological Survey
Bellingham (1975)
metric quadrangle, 1:100,000
Universal Transverse Mercator projection
Zone 10

SCALE 1:100,000
1 0 1 2 3 4 5 MILES
1 0 1 2 3 4 5 KILOMETERS



EXPLANATION

Qal — **Alluvium (Holocene)**—Generally stratified and well-sorted sand, gravel, and silt; deposited in streambeds, alluvial fans, floodplains, spits, deltas, beaches, and terraces of the Nooksack River

Qb — **Marsh, bog, and peat deposits (Holocene)**—Consisting of poorly drained peat and alluvium

Qvrg, Qvrf — **Vashon recessional and Sumas Stade outwash deposits (Pleistocene)**—Moderately to poorly-sorted gravel and sand with small amounts of silt and clay. Includes some ice-contact deposits, glaciomarine deposits, lacustrine deposits; may also include Bellingham drift and Deming sand deposits from the Everson Interstade. Qvrg consists of the coarser deposits and Qvrf generally consists of the finer deposits

Qvt/Qvtse — **Vashon and Sumas Stade till deposits (Pleistocene)**—Predominantly fine-grained deposits consisting of unsorted and unstratified glacial sediments from clay-to-boulder in size that vary in compaction and composition throughout the Puget Sound Lowland; include the Kulsham drift and some ice-contact deposits

Qva — **Vashon advance outwash deposits (Pleistocene)**—Predominantly consist of a crossbedded sand and gravel, and include deposits of the Esperance sand

Qns — **Pre-Fraser undifferentiated nonglacial deposits (Pleistocene)**

Qpf — **Pre-Fraser undifferentiated glacial deposits (Pleistocene)**

Bk — **Bedrock**—Tertiary and older volcanic, metamorphic, and sedimentary rock, undifferentiated

—— **Hydrogeologic contact**

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