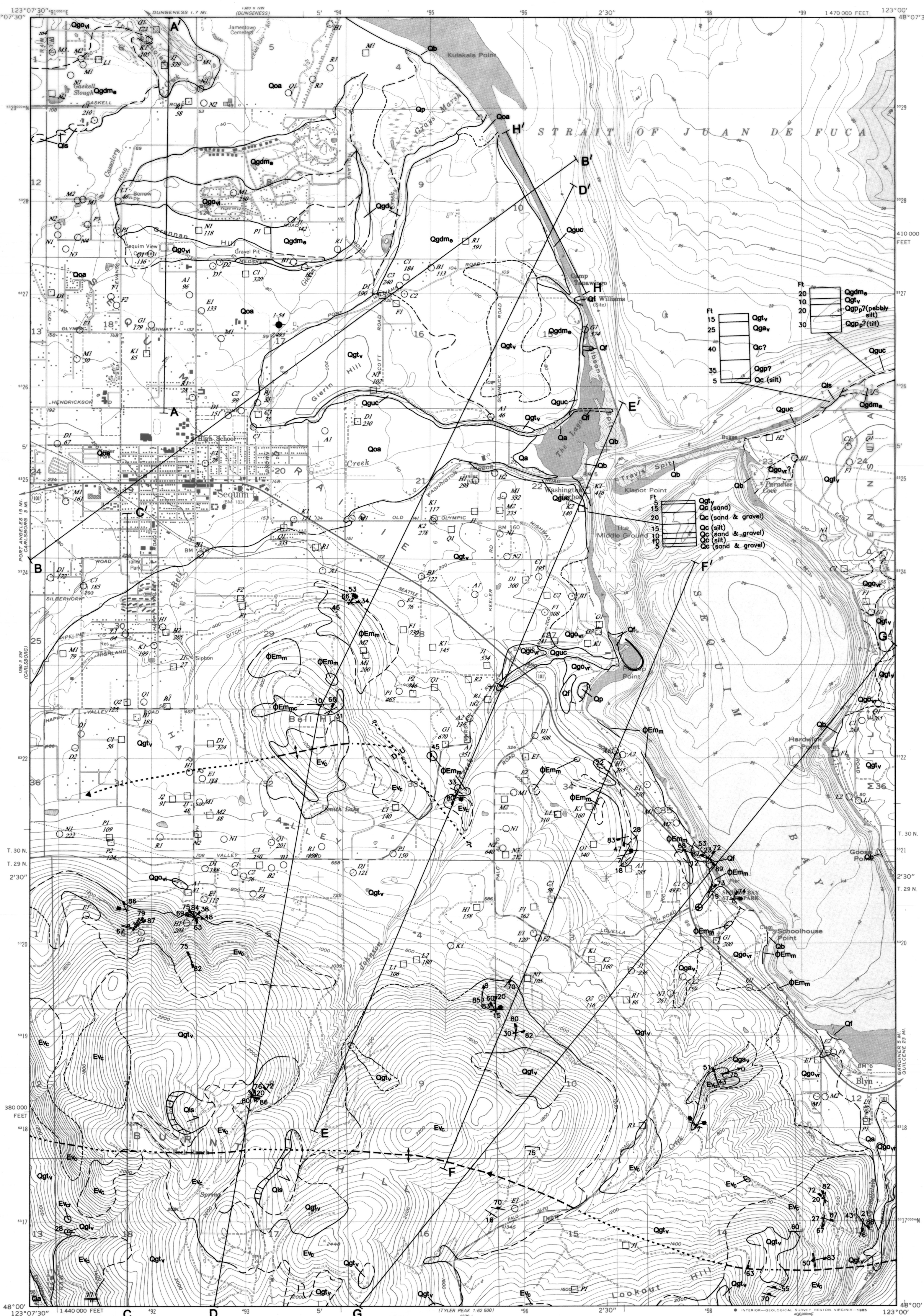


# Geologic Map of the Sequim 7.5-minute Quadrangle, Clallam County, Washington

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## Geologic Units

### UNCONSOLIDATED SEDIMENTS

#### QUATERNARY SEDIMENTS

##### NONGLACIAL DEPOSITS

- Qf Artificial fill and modified land (Holocene)
- Qa Alluvium (Holocene)
- Qb Beach deposits (Holocene)
- Qp Peat and marsh deposits (Holocene)
- Qls Landslide deposits (Holocene and Pleistocene?)
- Qoa Older alluvium (floodplain terrace deposits of ancestral Dungeness River) (Holocene and Pleistocene?)
- Qco Sediments of Olympia interglacial age (?) (bluff section H-H' only; see Plate 2); fluvial gravel with interbeds of sand and silt (Pleistocene)
- Qc Undifferentiated sediments (detailed bluff sections at Washington Harbor and Miller Peninsula); queried where nonglacial origin uncertain (Pleistocene)
- Qcw Whitby Formation(?) (bluff section H-H' only; see Plate 2); stratified silt and clay (Pleistocene)

##### GLACIAL DEPOSITS

###### Fraser Glaciation (Pleistocene)

###### Everson Interstage

- Qgdm Everson Glaciomarine Drift

###### Vashon Stage

- Qgo Ice-contact stratified recessional outwash
- Qgv Recessional outwash
- Qgl Lacustrine deposits; laminated sand, silt, and clay
- Qgt Till, diamicton
- Qga Advance outwash
- Qgd Drift, undivided

###### Pre-Fraser Glaciation(s) (Pleistocene)

- Qgp? Drift undifferentiated (detailed bluff section, Miller Peninsula); glacial origin uncertain
- Qgp Possession Drift, undivided (bluff section H-H' and detailed bluff section, Miller Peninsula); queried where tentatively identified
- Qgpm Possession glaciomarine drift (bluff section H-H' only; see Plate 2)
- Qgpt Possession till (bluff section H-H' only; see Plate 2)
- Qgpa Possession advance outwash(?) (bluff section H-H' only; see Plate 2)

##### GLACIAL AND NONGLACIAL DEPOSITS

###### Deposits of pre-Fraser Events (Pleistocene)

- Qgpc Glacial and nonglacial deposits, undivided (cross sections only; see Plate 2)

###### Deposits of Fraser and pre-Fraser Events (Pleistocene)

- Qguc Glacial and nonglacial deposits, undivided

## SEDIMENTARY AND VOLCANIC ROCKS

### TERTIARY SEDIMENTARY ROCKS

#### Makah Formation, Twin River Group (Oligocene-Eocene)

- Em Sandstone facies
- Emc Granular sandstone and small-pebble conglomerate facies

### TERTIARY VOLCANIC ROCKS

#### Crescent Formation (Eocene)

- Ev Basalt and basalt breccia; minor sedimentary interbeds and diabase
- Evx Rhyolite

## Geologic Structure Symbols

Strike and dip of bedding (may be combined with other symbols)

- 15° inclined
- 12° possible bedding or parting
- ⊕ horizontal

Strike and dip of fractures and joints (may be combined with other symbols)

- 72° inclined
- vertical
- 86° when combined with other symbols

Slickensided fracture plane - arrow indicates direction and plunge of slickenside

- 12° 45°
- 75° shear zone
- 50° vein filling

Dikes

- 67° inclined
- vertical

## Geologic Map Symbols

- Contact - dashed where approximate; short dashed where inferred
- High-angle fault - concealed; queried where extent is uncertain
- Anticline - dashed where inferred; dotted where concealed; arrow indicates direction of plunge
- Scarp of deep-seated landslide
- Relative direction of landslide movement

## Well Symbols

- Water well - location verified; USGS water-well location code (alphanumeric); drilled depth in feet for wells used to construct cross sections
- Water well - location unverified; USGS water-well location code (alphanumeric); drilled depth in feet for wells used to construct cross sections
- Oil and gas test well - number, indicates drilled depth in feet

