

EXPLANATION

Quaternary	Qd	Dune Sand Unconsolidated sand, windblown, particularly upper 10 feet of unit. Moderately permeable and the principal aquifer of the area
	Qal	Alluvium Principally alluvial clay, silt, and sand with little windblown material. Coarser parts may yield small to moderate quantities of water
Tertiary	Ta	Astoria Formation Shale and sandstone. Low permeability. Will yield small quantities of water

--- Contact
- - - Dashed where approximately located

— Water-table contour
Shows altitude of water table. Contour interval 5 feet. Dashed where approximately located. Datum is mean sea level

○ G1
Shallow observation well

● M1
Test well

○ N2
Miscellaneous well

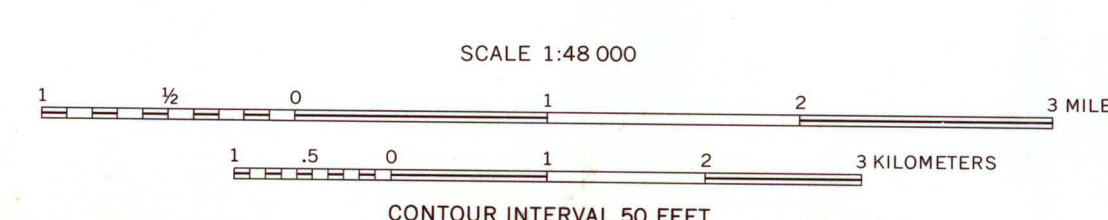
○ P1
Miscellaneous well

Stream or lake gage
Blue numbers indicate altitude of water table, in feet above mean sea level; black numbers indicate site designation

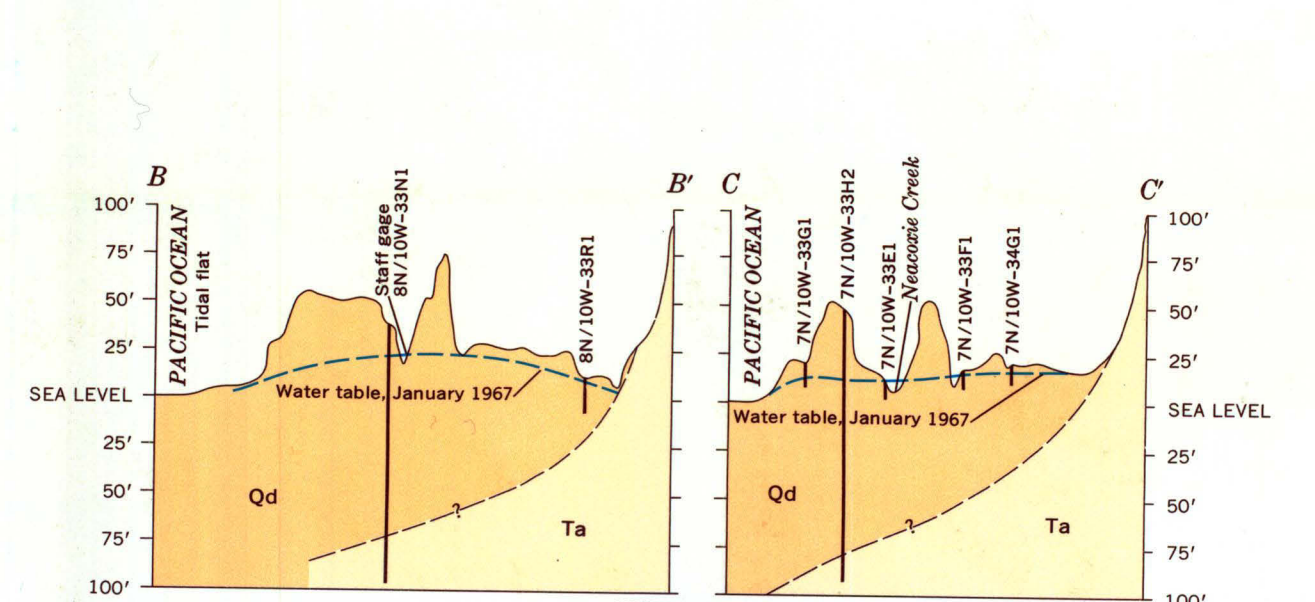
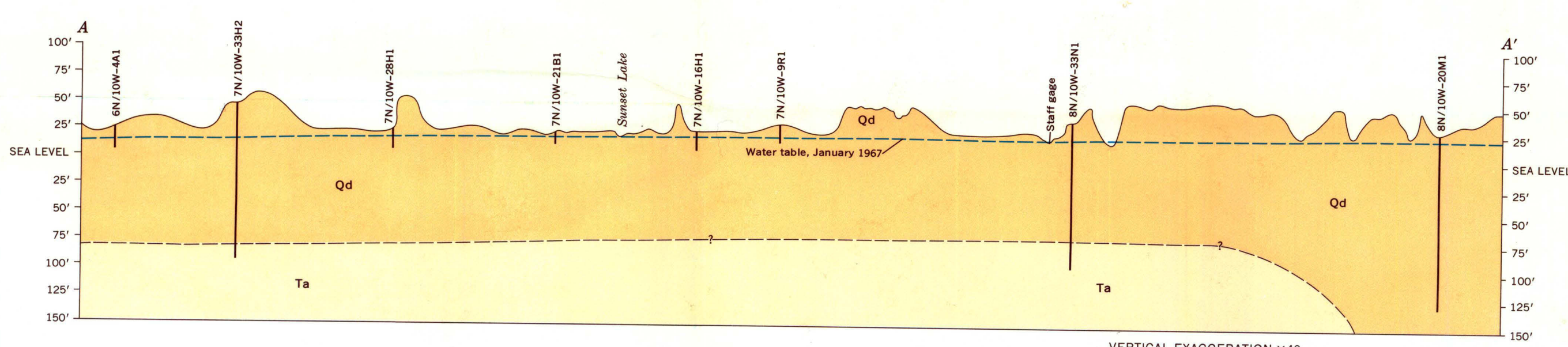
APPROXIMATE MEAN DECLINATION, 1970

Base from U.S. Geological Survey, 1:24 000 Warrenton, 1959 and Gearhart, 1949
Geology by F. J. Frank, 1968; in part after Wells and Peck (1961)

ALTITUDE OF THE WATER TABLE AS OF JANUARY 1967



CONTOUR INTERVAL 50 FEET
DASHED LINES REPRESENT HALF-INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET — DATUM IS MEAN LOWER LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 8 FEET



GEOHYDROLOGIC MAPS AND SECTIONS OF CLATSOP PLAINS SAND-DUNE AREA, CLATSOP COUNTY, OREGON