UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
LINCOLN COUNTY

WATER-RESOURCES INVESTIGATIONS 76-90
OPEN-FILE REPORT PLATE 1

CORRELATION OF MAP UNITS

Qal, Qmt	Holocene and Pleistocene	QUATERNARY
Tss, Tet, Tsr	Eocene	TERTIARY
Tb, Ti	Miocene to Eocene	TERTIARY

DESCRIPTION OF MAP UNITS

Qal ALLUVIUM — Includes alluvial-terrace and flood-plain deposits of sand, silt, clay, and gravel, and fine to medium beach and dune sand

Qmt MARINE TERRACE DEPOSITS — Semiconsolidated, fine-grained sand, silt, and clay. In places overlain by fine-grained dune sand

Ti INTRUSIVE ROCKS — Dikes and sills of intrusive rocks of pumice, basalt, and gabbro

Tb BASALT — Basaltic and andesitic flows, fine-grained basaltic breccia, lapilli tuff, and pillow flows

Tss SILTSTONE AND SANDSTONE — Tuffaceous siltstone and fine-grained sandstone. Locally inter-bedded with minor amounts of arkosic, basaltic, and glauconitic sandstone

Tet TYEE FORMATION — Micaceous and arkosic sandstone and siltstone

Tsr SILETZ RIVER VOLCANICS — Basaltic flow rock, pillow basalt, lapilli tuff, and tuff breccia; interbedded with tuffaceous siltstone and sandstone beds

Contact

acb ○ Well — Location number shown

dcas ●~ Spring — Location number shown

14306500 ▲ Continuous-record gaging station — Location number shown

14303748 △ Miscellaneous-measurement site — Location number shown

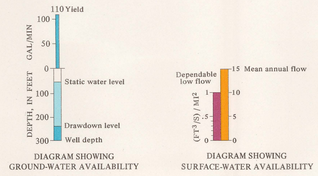
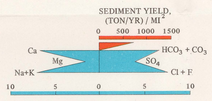
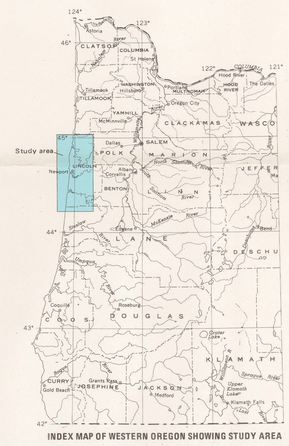


DIAGRAM SHOWING
GROUND-WATER AVAILABILITY

DIAGRAM SHOWING
SURFACE-WATER AVAILABILITY



CONCENTRATION OF MAJOR IONS,
IN MILLIEQUIVALENTS PER LITER



INDEX MAP OF WESTERN OREGON SHOWING STUDY AREA

Base from U.S. Geological Survey
1:62,500 topographic quadrangles

SCALE 1:100 000
1 0 1 2 3 4 5 6 MILES
1 0 1 2 3 4 5 6 7 8 KILOMETERS

CONTOUR INTERVALS 50 AND 80 FEET
DATUM IS MEAN SEA LEVEL

Geology modified from Snavely, MacLeod, Wagner, Schlicker, Deacon, Olcott, and Beaulieu (1973)

GEOLOGY AND WATER QUALITY

AVAILABILITY OF SURFACE WATER AND GROUND WATER

GEOHYDROLOGIC MAPS OF LINCOLN COUNTY COASTAL AREA, OREGON