

AFTER FIELD COMPLETION
This is a copy of a U.S. Geological Survey
manuscript which shows completed field
surveys except names, road classification,
and similar information subject to editing.

SOUTH BEND 15' WASH.
N 48 30 - W 123 45 / 15

OPEN-FILE REPORT



EXPLANATION
SEDIMENTARY AND VOLCANIC ROCKS

- Qa**
Bay fill and alluvium
Unconsolidated clay, silt, sand, and gravel
- Qt**
Terrace deposits
Uplifted beach sand and gravel, and ancient bay fill.
Occurs at altitudes as high as 500 ft.
- UNCONFORMITY**
- Tlc**
Tics
Lincoln Creek Formation
Light olive-gray tuffaceous, bedded siltstone. Exposed
thickness about 2,000 ft.
Tics, basal hard fine- to medium-grained basaltic
sandstone, 5 to 500 ft thick
- Tt**
Unnamed tuffaceous siltstone and sandstone
Locally well-bedded, tuffaceous siltstone and fine-
grained sandstone. Exposed only at north border of
quadrangle west of mouth of North River. Thickness
and age not known, but probably represents upper
part of McIntosh (?) Formation or lower part of
Lincoln Creek Formation
- Tm**
McIntosh (?) Formation
Laminated sequence of light to medium-gray
siltstone and fine-grained sandstone, as much
as 3,000 ft thick
- Tc**
Crescent Formation
Predominantly fine-grained pillow and blocky-
jointed basalt. Amygdaloidal, vesicle-rich
basalt and zeolite-cemented lapilli tuff
(circle symbol) and foraminiferal siltstone
(dot symbol) in upper part. Solid dot indicates
position of ground observation, position in-
ferred elsewhere. At least 5,000 ft thick

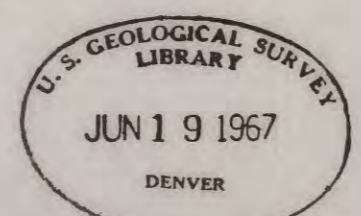
- INTRUSIVE IGNEOUS ROCKS**
- Tl**
Intrusive rocks
Fine- to coarse-grained dikes and sills of basaltic
and gabbroic composition, mostly of late Eocene
age. Gabbroic intrusives at four localities (at Stony
Point, 1 mile northeast of Nemah Junction, 1/4 to
3/4 mi north of Picknell Creek, and at south
border of quadrangle 1/2 mi west of the North Nemah
River) probably of Miocene age, some intrusives
within the outcrop area of the Crescent Formation
possibly of Middle Eocene age.

- ?---?---?---?
Contact, approximately located
Queried where inferred, dotted where
concealed
- U---?---?---?---?
Fault, approximately located
Queried where inferred, dotted where
concealed, U, upthrown side, D,
downthrown side
- ?---?---?---?
Anticline Syncline
Folds, approximately located
Queried where inferred
- ?---?---?---?
Tertiary beds Quaternary beds
Strike and dip of beds
- X
Quarry

OPEN-FILE REPORT

PRELIMINARY GEOLOGIC MAP OF THE SOUTH BEND QUADRANGLE, PACIFIC COUNTY, WASH.

by
Holly C. Wagner
1967



This report is preliminary and has
not been edited or reviewed for
conformity with Geological Survey
standards and nomenclature.