

**DESCRIPTION OF MAP UNITS**

**QUATERNARY**

**Recent**

Qal ALLUVIUM—mud, sand, and gravel along the Coquille River and tributaries. May be more than 200 feet thick.

Ql LANDSLIDE DEPOSITS—landslide and slump blocks.

Qt TERRACE SAND AND GRAVEL—river terraces along the Coquille River and its tributaries. Three terraces at Myrtle Point are about 75, 125, and 200 feet, respectively, above sea level. Pebbles of the highest terrace are commonly stained with limonite but not deeply weathered. Marine terraces in northwest corner of mapped area and in sec. 24, T. 29 S., R. 13 W., at 750 feet elevation.

**Pleistocene**

COALEDO FORMATION (ABOUT 3,000-6,000 FT):

Tcu UPPER SANDSTONE MEMBER (ABOUT 1,000 FT)—medium-gray medium-grained crossbedded shallow-water sandstone that contains minor amounts of sandy siltstone and coal. Occasional conglomeratic and pebbly layers. Basal sandstone is usually massive and easily recognized.

Tcm MIDDLE SILTSTONE MEMBER (1,000-2,500 FT)—typically medium-gray sandy siltstone streaked with darker thin beds of siltstone. Becomes more sandy to the south and east. Relatively less resistant to erosion; streams such as Hall and Lampa Creeks flow mostly in valleys cut in this member. No coal has been reported in this member.

Tcl LOWER SANDSTONE MEMBER (ABOUT 1,000-2,500 FT)—medium-gray medium-grained crossbedded shallow-water sandstone that contains lesser amounts of siltstone and coal. Pebbly sandstone and thin beds of conglomerate are scattered throughout. Many of the pebbles are basaltic, chert, quartzite, and greenstone. The member becomes more conglomeratic, thinner, and less coal bearing toward the south, which suggests onlap of the sediments on an old highland.

**Middle Eocene**

Tt TYEE FORMATION (ABOUT 1,500 FT)—rhythmically bedded micaceous sandstone that bears numerous plant fragments. Sole markings suggest deposition by turbidity currents. Generally, current marks trend north; this trend suggests a sediment source from the Klamath Mountains. Rests unconformably on the middle and lower members of the Umpqua Formation.

**Lower to middle Eocene**

Tum UMPQUA FORMATION (ABOUT 13,000-20,000 FT):

MIDDLE MEMBER (AT LEAST 5,000 FT)—rhythmically bedded sandstone and siltstone. Generally resembles lower member in shade and texture but is less deformed. A pebbly sandstone at base rests unconformably on the lower member. Generally fossiliferous; a microfauna from Cribbins Hill was assigned to the lower B zones of Laiming (1943) by W. W. Rau (written commun., 1962). May be considered part of the Penutian stage of Mallory (1959, p. 34) and middle Eocene age.

LOWER MEMBER (AT LEAST 8,000 FT):

Tul SEDIMENTARY ROCKS—dark-gray thin rhythmically bedded siltstone and graywacke, tuffaceous siltstone, and alternating sandstone and siltstone. The rhythmic bedded siltstone and graywacke are tightly folded and give an exaggerated impression of thickness. Megafossils are rare. Foraminifera that are present have been assigned by W. W. Rau (written commun., 1962) to the C and lower B zones of Laiming (1943) or to the Penutian stage of Mallory (1959, p. 34), although some beds mapped with the lower part of this member contain faunas of Paleocene and Late Cretaceous age (Baldwin, 1965, p. 95).

Tulb BASALT—pillow basalt and basalt breccia. Locally thick.

**TERTIARY**

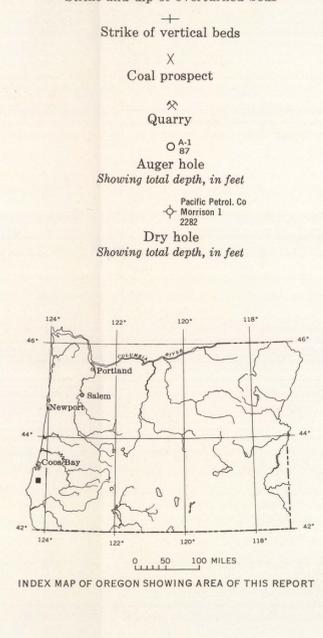
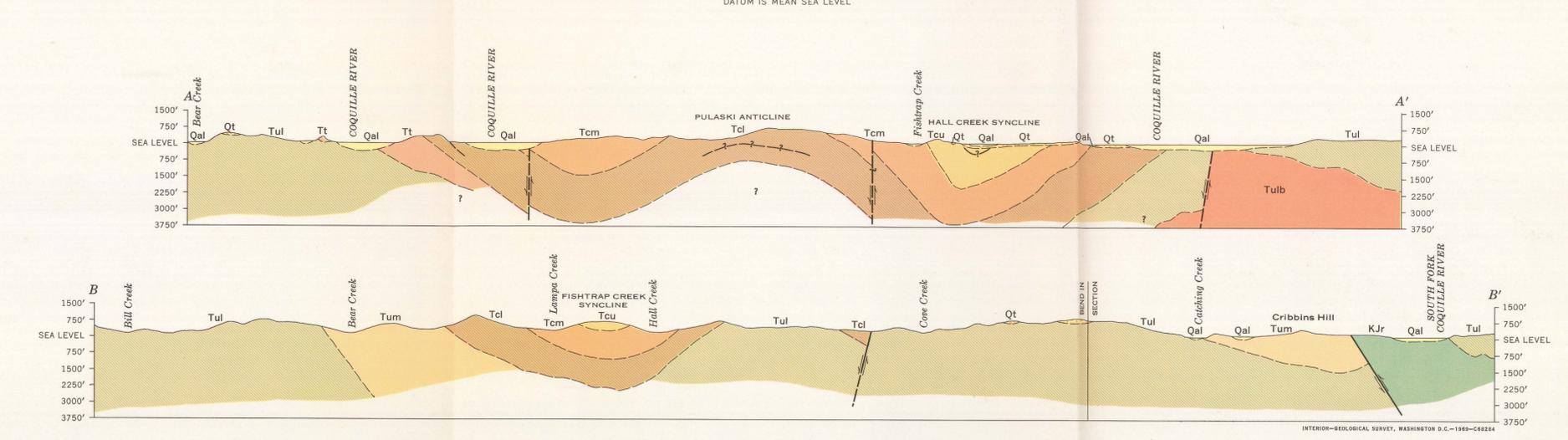
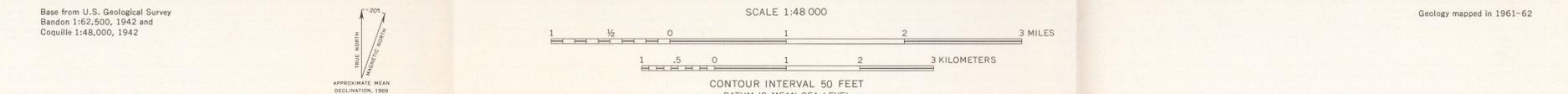
KJr LOWER CRETACEOUS(?) AND UPPER JURASSIC ROCKS—seriously deformed beds of graywacke which contain lenses of chert, carbonaceous argillite, submarine pillow lavas, conglomerates, and glauconitic schist pods. At Bill Peak, in the southwest corner of the mapped area, massive pebbly sandstone that contains substantial potassium feldspar and grains may be of Cretaceous age. Evidence is insufficient to separate the pre-Tertiary rocks in the mapped area.

**ECONOMIC GEOLOGY**

The mapped area lies in the southern end of the Coos Bay coal field. Coal occurs only in the upper and lower members of the Coaledo Formation. Nearly all the coal mined in the Coos Bay field was from the upper member of the Coaledo Formation. In the mapped area, most of this member has been eroded; only a few hundred feet of the basal strata remains. Allen and Baldwin (1944, p. 131, 116) reported 2 feet 7 inches of coal and bone along Hall Creek in the NW¼NW¼ sec. 11, T. 29 S., R. 13 W., and 4 feet of coal and bony coal at the Albee prospect near the center of the NE¼ sec. 4, T. 29 S., R. 13 W.

Until it closed in 1942, the Lampa mine just west of the mouth of Lampa Creek in sec. 25 and 36, T. 28 S., R. 14 W., produced coal from the lower member of the Coaledo Formation. Allen and Baldwin (1944, p. 133) reported that this mine in 1941 produced 665 tons of coal rated at 9,820 Btu, air dried. A coal prospect is also reported near the head of Pulaski Creek in sec. 21, T. 28 S., R. 13 W. The lower member becomes increasingly coarse grained toward the south and chances of finding coal of economic quality and quantity probably diminish in that direction.

In the northwest corner of the mapped area, two exploratory wells penetrated the lower strata of the Umpqua. Several shallow wells were drilled on the northeast end of the Pulaski anticline just north of the mapped area. These wells disclosed gas in the Coaledo Formation, but because the yield lasted only a short time, further exploration of the area was abandoned. The Pulaski anticline seems to have several hundred feet of closure. In the northeast corner of the area mapped, basalt is quarried for road metal; and at Arago, a brick plant operated for many years on a clay deposit in the terrace.



**GEOLOGIC MAP OF THE MYRTLE POINT AREA, COOS COUNTY, OREGON**  
By  
**Ewart M. Baldwin**  
1969