Geologic Map of the Lacey 7.5-minute Quadrangle, Thurston County, Washington

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INTRODUCTION

The Lacey Quadrangle is located on the south and east of Olympia in Thurston County and includes all of the city of Lacey and a portion of the city of Olympia. The area is gently rolling terrain with some steep cliffs and ridges. The principal rock units of the area are Cenozoic marine and fluvial sediments and andesite dikes.

GEOLOGIC HISTORY

Late Mesozoic and early Cenozoic marine and estuarine sediments of the Puget Sound basin are present throughout the area. These sediments are overlain by Miocene and Pliocene Pleistocene marine and fluvial sediments. The late Miocene and early Pliocene sediments are primarily marine in origin, while the late Pliocene and early Pleistocene sediments are primarily fluvial in origin. The late Pleistocene and Holocene sediments are primarily fluvial in origin.

DETERMINATION OF DEPOSITS

Quaternary Unconsolidated Deposits

Clay, silt, silt, and gravel are present in the upper part of the depositional sequence. These deposits are primarily fluvial in origin and are commonly found in the intertidal zone.

SAND AND GRAVEL

Sand and gravel are present in the upper part of the depositional sequence. These deposits are primarily fluvial in origin and are commonly found in the intertidal zone.

ACREAGE OF SAND AND GRAVEL

The acreage of sand and gravel is primarily fluvial in origin and is commonly found in the intertidal zone.

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