STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

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DIVISION OF GEOLOGY AND EARTH RESOURCES

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GEOLOGIC MAP GM-21

MINERAL RESOURCES
OF THE
SOUTHERN HOOD CANAL AREA,
WASHINGTON

By

MACKEY SMITH and R.J. CARSON

Prepared in cooperation with
UNITED STATES GEOLOGICAL SURVEY

1976

For sale by Department of Natural Resources, Olympia, Washington
Price $1.00
MINERAL RESOURCES OF THE SOUTHERN HOOD CANAL AREA, WASHINGTON

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Principal mineral resources in the southern Hood Canal area are sand, gravel, pebbles, and rock. A detailed and accurate description of all significant mineral resources has been made in the area. Locations of known deposits of potential interest should be considered when establishing land use controls and, to the extent practicable, these areas should be preserved for future resource development.

Both the location of existing and potential and the known distribution of potential non-metallic mineral resources are shown on the map. The resource information is based, in part, on geological mapping and on mineral inventories by previous workers (see references).

Most of the sand and gravel of economic potential was deposited by streams that drained the melting glaciers at the close of the ice age. These deposits were formed in stream channels, deltas, and fluvial fans, and were later exposed as the ice receded. Many of the deposits are of glacial origin, and have been deposited by the glaciers. Sand and gravel, deposited on the glaciers advanced into the area, were later distributed more widely than the ice that subsequently advanced from them. Some glaciers, especially those in the upper part of the area, contained considerable amounts of clay, silt, and clayey silt, making them unsuitable for mineralization. In the lower parts, the deposits are often as much as 10 feet thick and are used as protective cover for the underlying clay. A few deposits are not considered economic, as they are not currently being mined. These deposits are not shown on the map because of their limited economic potential.

Areas of existing and potential deposits of economic interest include:

1. Existing sand and gravel deposits.
2. Potential sand and gravel deposits.

Areas of potential economic interest include:

1. Areas of sand and gravel deposits, presently under development.
2. Areas of sand and gravel deposits, potentially under development.

Areas of potential economic interest include:

1. Existing sand and gravel deposits.
2. Potential sand and gravel deposits.

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