





f ARTIFICIAL FILL--Includes fill and ground areas extensively modified during construction ORGANIC DEPOSITS

Underlain by coarser grained deposits -- Mostly sandy pebble gravel WC or silty sandy pebble gravel

Underlain by finer grained deposits -- Chiefly sand and silty sand wf e EOLIAN SAND DEPOSITS BEACH DEPOSITS

by Young--Along outer coast mostly sand and some pebbly sand; elsewhere, sandy to pebbly cobble gravel with some boulders

- (Map unit symbol shown only for wider areas of deposits.)
- Intermediate -- Mostly sand and some pebbly sand Old--Mostly sand and some pebbly sand

DELTA-ESTUARINE DEPOSITS dy

Young--Chiefly silty sand or fine sand

Intermediate -- Mostly sand, includes some silt and small pebbles di do Old--Probably mostly sand including some pebbles and silt Clayey silt ds

ALLUVIAL DEPOSITS

Coarse grained--Mostly pebble gravel, includes some sand, cobac

bles, and silty sand

Fine grained--Chiefly sand, includes some pebble gravel and silt af Old--Probably sand and silty sand, and, near base, sandy pebble gravel ao OUTWASH DEPOSITS

Coarse grained -- Chiefly sandy pebble gravel locally varying from oc granule sand to silty cobble gravel

Fine grained--Mostly sand varying from pebbly sand to silty sand of m OUTER YAKUTAT BAY MORAINE COMPLEX--Most prevalent deposit a mixture called till or diamicton, chiefly granule- and pebble-laden silt to sand with lesser cobbles, clay, and some boulders. Subordinate deposits include sandy pebble gravel or sandy cobble gravel to silty fine sand

## Notes:

bi

bo

(1) Map units developed from limited field examination in 1966 and from interpretation in 1975 of airphotos taken between 1948 and 1963; (2) map units generally 2 or more ft thick; (3) mean lower low water level is the lower limit of mapping; (4) bedrock underlies the map area at a depth of probably as much as 200 ft; (5) classification of grain sizes of rock fragments follows Wentworth (1922): clay, less than 0.00015 in.; silt, 0.00015-0.0025 in.; sand, 0.0025-0.079 in.; granule, 0.079-0.157 in.; pebble, 0.157-2.5 in.; cobble, 2.5-10.1 in.; boulder, greater than 10.1 in.

- Contact between geologic map units Prominent curvilinear ridge (shown in map unit m, outer Yakutat Bay moraine complex)
  - Relatively straight linear ridge (shown in map units m, outer Yakutat Bay moraine complex; do, old deltaestuarine deposits; and bi and bo, intermediate and old beach deposits, respectively)

Abandoned channel and direction of gradient of glacial outwash stream (shown in map unit oc, coarse outwash)

- Possible alinement of former channel for glacial outwash Alinement of drainage divide, possibly overlying a buried glacial moraine or other firm geologic feature
- Borrow pit used for fill or construction aggregate; some pits possibly abandoned

Abandoned borrow pit

Areas containing mostly sand at surface (shown in units by, dy, and e, young beach and delta-estuarine deposits and eolian deposits, respectively)

Areas containing abundant cobbles, boulders, and pebbles (shown in unit by, young beach deposits)

- Sample locality, radiocarbon age-dated wood (see expanded description of outer Yakutat Bay moraine complex, map unit m)
- Sample locality, radiocarbon age-dated marine mollusk shells (see expanded description of clayey silt deltaestuarine deposit, map unit ds)
- Query after map unit designation indicates that presence of the deposit at that particular location is speculative; alternative interpretation is that adjacent map unit is at that location
- Marsh or swamp areas as interpreted by topographer who developed initial topographic map using 1948 airphotos. These wet areas form only part of the organic deposits mapped as units we and wf



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500

X

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