



EXPLANATION

Potential availability of various construction materials in geologic-outside map units, east shore of Cook Inlet from Kenai to Fox River, Alaska.

Map Unit	Composition	Probability of locating good sources of - - -							Incorporated geologic units
		Gravel and sand	Sand	Mixed coarse- and fine-grained material	Clay	Crushed aggregate	Riprap armor rock	Building stone	
I	Gravel and sand	Good	Good	Poor	Nil	Good	Nil	Nil	Floodplain deposits, terrace alluvium; fills in abandoned meltwater channels; kame-erikar complexes; outwash alluvium; beach deposits.
II	Chiefly gravel and sand	Moderate	Moderate	Poor	Nil	Moderate	Nil	Nil	Granular alluvial fans; colluvial-alluvial deposits.
III	Chiefly sand	Moderate	Good	Poor	Poor	Nil	Nil	Nil	Tidal-flat deposits; delta deposits.
IV	Chiefly silt and clay	Poor	Poor	Nil	Moderate	Nil	Nil	Nil	Lake deposits.
V	Chiefly mixed coarse- and fine-grained material	Poor	Poor	Good	Poor	Poor	Nil	Nil	Glacial till; colluvium; landslides; mud-flow deposits; alluvial fans.
VI	Chiefly peat	Nil	Nil	Nil	Poor to nil	Nil	Nil	Nil	Swamp deposits.
VII	Chiefly weakly indurated sandstone with interbedded siltstone and claystone	Nil	Moderate to good	Nil	Moderate	Nil	Nil	Nil	Kenai Group.

*The imprecise terms "good," "moderate," "poor," and "nil" are purposely used to indicate the relative probability of locating good deposits of each construction material in the various map units. No definite values are assigned to each term, but they may indicate a probability of 80% or more for "good," 30% to 80% for "moderate," less than 30% for "poor," and essentially zero chance for "nil."

- I Gravel and sand
- II Chiefly gravel and sand
- III Chiefly sand
- IV Chiefly silt and clay
- V Chiefly mixed coarse and fine-grained material
- VI Chiefly peat
- VII Chiefly weakly indurated sandstone with interbedded siltstone and claystone
- Approximate contacts
- Questionable occurrence
- Lakes and ponds

INDEX MAP OF FIELD STATIONS TAKEN DURING 1976-1977 FIELD SEASONS

Based on brief field reconnaissance, August, 1976, and aerial photograph interpretation, January through March, 1977.
 From U.S. Geological Survey 1961: Kenai A-3, A-4, A-5, and B-4; and Seldovia C-4, C-5, D-3, D-4, and D-5 quadrangles, Alaska.
 QUADRANGLE LOCATION
 SCALE IN MILES
 SCALE IN KILOMETERS

PHOTOINTERPRETIVE MAP OF THE GEOLOGIC MATERIALS OF THE SOUTHERN KENAI LOWLANDS, ALASKA

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