ALASKA DIVISION OF GEOLOGICAL &
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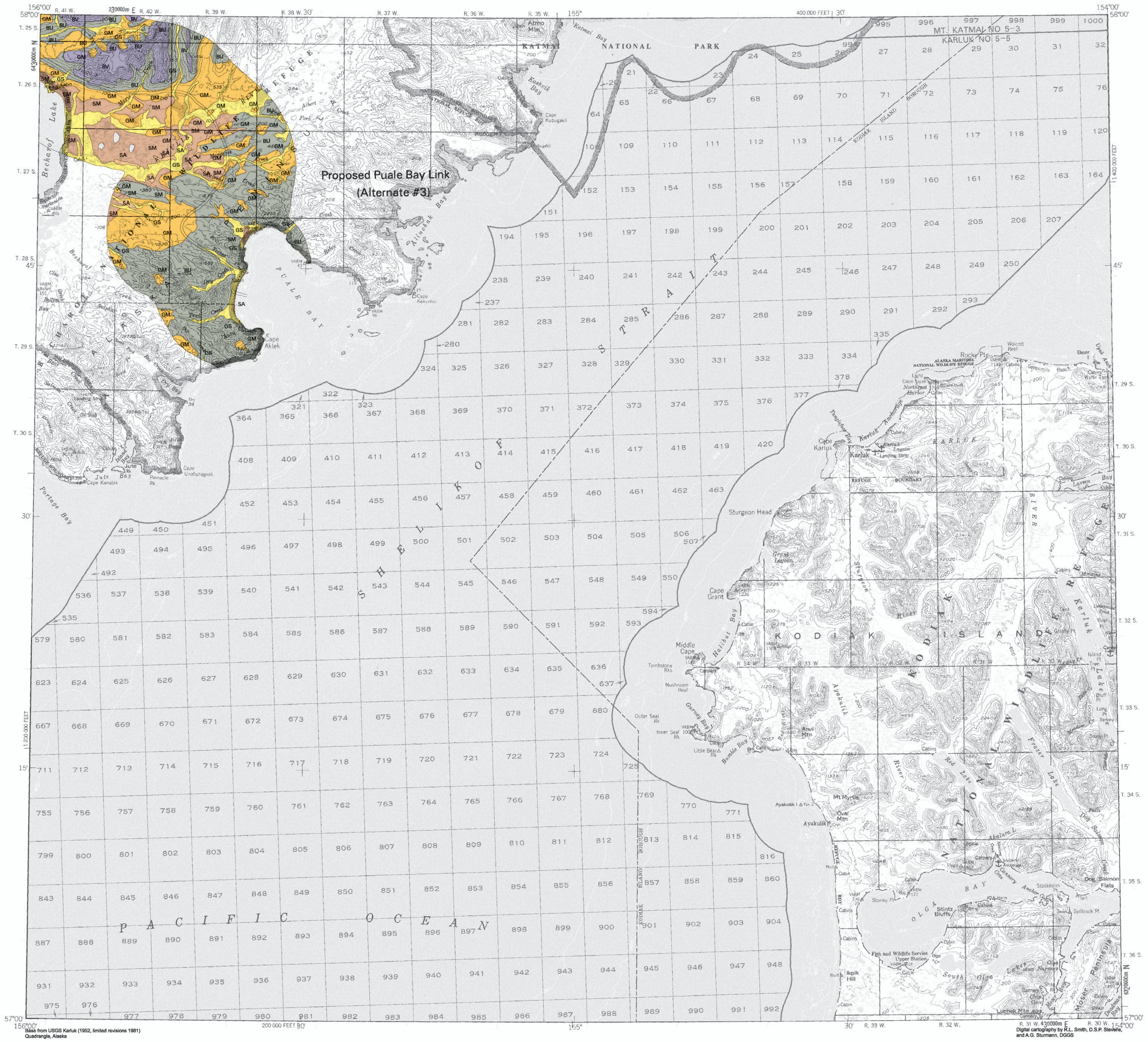



Base from USGS Karluk (1952, limited revisions 1981) Quadrangle, Alaska

Digital cartography by R.L. Smith, D.S.P. Stevens, and A.G. Sturmann, DGGS

SCALE 1:250,000

5 0 5 10 15 20 MILES

5 0 5 10 15 20 25 30 KILOMETERS

CONTOUR INTERVAL 200 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
1956 MAGNETIC DECLINATION AT SOUTH EDGE OF MAP VARIES FROM 20°30' TO 21°30' EAST

## DESCRIPTION OF MAP UNITS

### UNCONSOLIDATED DEPOSITS

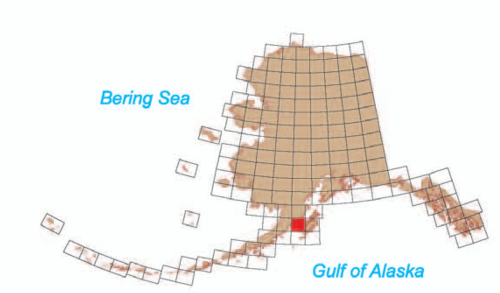
- **GM** — Chiefly (estimated greater than 80%) clean sand and gravel. Rare oversized material. Includes GW and GP (Unified Soil Classification).
- **GS** — Mixed coarse and fine material. Estimated 20-80% coarse, granular deposits with considerable oversized material. Includes GM and GC (Unified Soil Classification).
- **SA** — Chiefly (estimated 80%) sand. Includes SW and SP (Unified Soil Classification).
- **SM** — Chiefly fine materials. Estimated greater than 80% sand, silt, and clay. Includes SM, SC, ML, MH, CL, and CH (Unified Soil Classification).

### BEDROCK

- **BV** — Medium-jointed, fine-grained igneous rocks and their metamorphic equivalents. May be deeply weathered.
- **BU** — Undifferentiated bedrock lithologies. May be deeply weathered.

## MAP SOURCES

Detterman, R.L., Wilson, F.H., Yount, M.E., and Miller, T.P., 1987, Quaternary geologic map of the Ugashik, Bristol Bay, and western part of Karluk Quadrangles, Alaska: U.S. Geological Survey Miscellaneous Investigations Map I-1801, scale 1:250,000, 1 sheet.




Location map for Karluk Quadrangle

# DERIVATIVE GEOLOGIC-MATERIALS MAP OF PROPOSED TRANSPORTATION CORRIDORS IN THE KARLUK QUADRANGLE, ALASKA

compiled by

D.S.P. Stevens and R.L. Smith

2003

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