ALASKA DIVISION OF GEOLOGICAL &
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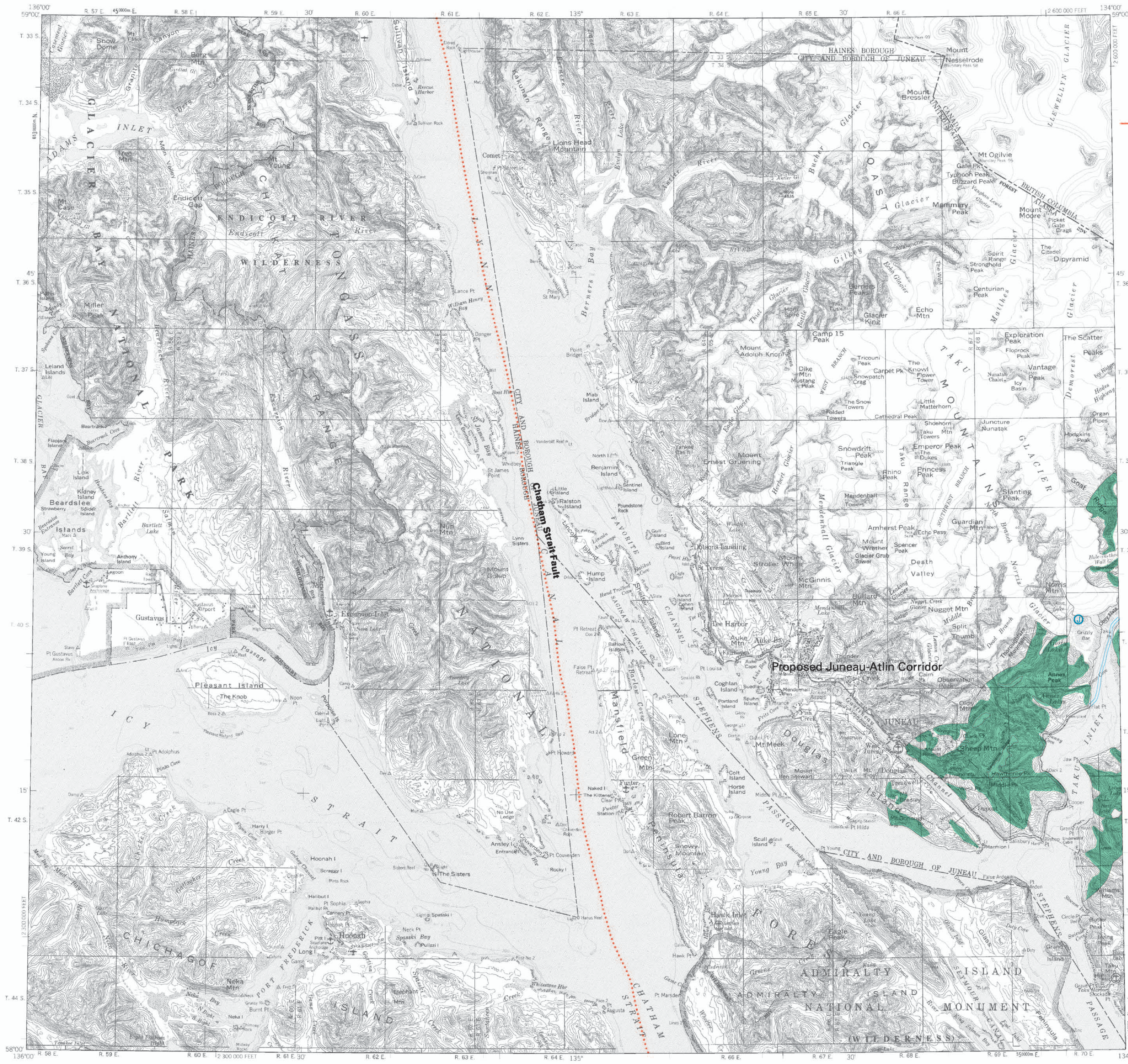


Base from USGS Juneau (1962, minor revisions 1985) Quadrangle, Alaska

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

DESCRIPTION OF MAP UNITS

Snow avalanches - Significant potential for snow avalanches based on the presence of steep topography.

DESCRIPTION OF MAP SYMBOLS

Jokulhlaups - Area prone to large-magnitude floods due to sudden drainage of glacier-dammed lakes upstream (jokulhlaups).

Possibly active fault - Evidence of movement during the past 500,000 years; solid where location is known, dashed where approximately located, dotted where inferred.

PERMAFROST

Perennially frozen ground is not present in this quadrangle.

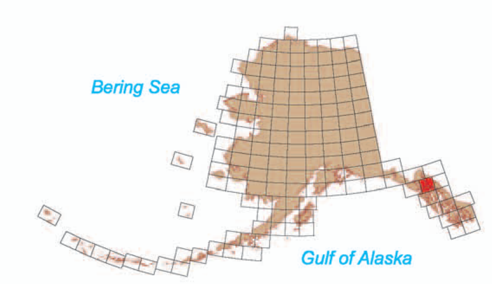
MAP SOURCES

Dean, K.G., 1984a, Stream-icing zones in Alaska: Alaska Division of Geological & Geophysical Surveys Report of Investigations 84-16, 20 p., scale 1:250,000, 102 sheets.

Plafker, George, Hudson, Travis, and Bruns, Terry, 1978, Late Quaternary offsets along the Fairweather fault and crustal plate interactions in southern Alaska: Canadian Journal of Earth Sciences, v. 15, no. 5, p. 805-816.

Post, Austin, and Mayo, L.R., 1971, Glacier dammed lakes and outburst floods in Alaska: U.S. Geological Survey Hydrologic Investigations Atlas HA-455, 9 p., scale 1:1,000,000, 3 sheets.

Reger, R.D., 1992 map interpretation.



Location map for Juneau Quadrangle

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
1985 MAGNETIC DECLINATION AT SOUTH EDGE OF MAP VARIES FROM 28°30' TO 29°00' EAST

MAP OF POTENTIAL GEOLOGIC HAZARDS ALONG PROPOSED TRANSPORTATION CORRIDORS IN THE JUNEAU QUADRANGLE, ALASKA: PART 2, ADDITIONAL HAZARDS

compiled by
R.D. Reger
2003

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