



DESCRIPTION OF MAP UNITS

Moderate - A 1:250,000- or 1:125,000-scale geologic map is available; known to be generally reliable because of limited field observations, a few laboratory tests, or both; interpretation of 1:65,000- or larger scale aerial photographs is not verified by field observations.

Very Good - One or more 1:63,360- or larger scale geologic map is available; verified by numerous detailed field observations, or multiple laboratory tests, or both; interpretation of 1:65,000- or larger scale aerial photographs has considerable field verification.

MAP SOURCES

Barnes, F.F., 1966, Geology and coal resources of the Beluga-Tenina region, Alaska: U.S. Geological Survey Bulletin 1202C, 54 p., scales 1:63,360 and 1:250,000, 3 sheets.

Detterman, R.L., Pflafer, George, Hudson, Travis, Tjodal, R.G., and Pavoni, Nazario, 1974, Surface geology and Holocene breaks along the Sustina segment of the Castle Mountain fault, Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-618, scale 1:24,000, 1 sheet.

Detterman, R.L., Hudson, Travis, Pflafer, George, Tjodal, R.G., and Heare, J.M., 1976, Reconnaissance geologic map along Bruin Bay and Lake Clark faults in Kenai and Tyonek Quadrangles, Alaska: U.S. Geological Survey Open-file Report 76-477, 4 p., scale 1:250,000, 1 sheet.

Magoon, L.B., Addison, W.L., and Egbert, R.M., 1976, Map showing geology, wildcat wells, Tertiary plant fossil localities, K-Ar age dates, and petroleum operations, Cook Inlet area, Alaska: U.S. Geological Survey Miscellaneous Investigations Map I-1019, scale 1:250,000, 3 sheets.

Odum, J.K., Yehle, L.A., Schroll, H.R., Gardner, C.A., Dearborn, L.L., 1988, Lithological, geotechnical properties analysis, and geophysical log interpretation of U.S. Geological Survey Drill Holes 1C-79, 2C-80, CW 81-2, and CE 82-1, Tyonek Formation, upper Cook Inlet region, Alaska: U.S. Geological Survey Bulletin 1835, 27 p.

Rawlinson, S.E., Huck, R.W., and Hardy, S.B., 1982a, Post-resource map, Tyonek D-1 Quadrangle, Alaska: Alaska Division of Geological & Geophysical Surveys Open-file Report 150L, scale 1:31,680, 1 sheet.

Rawlinson, S.E., Huck, R.W., and Hardy, S.B., 1982b, Post-resource map, Tyonek C-1 Quadrangle, Alaska: Alaska Division of Geological & Geophysical Surveys Open-file Report 150K, scale 1:31,680, 1 sheet.

Rawlinson, S.E., Huck, R.W., and Hardy, S.B., 1982c, Post-resource map, Tyonek B-1 Quadrangle, Alaska: Alaska Division of Geological & Geophysical Surveys Open-file Report 150M, scale 1:31,680, 1 sheet.

Reger, R.D., 1978, Reconnaissance geology of the new capital site and vicinity, Anchorage Quadrangle, Alaska: Alaska Division of Geological & Geophysical Surveys Open-file Report 115A, scale 1:63,360, 1 sheet.

Reger, R.D., and Updike, R.G., 1983, Upper Cook Inlet and Matanuska Valley, in Páw, T.L., and Reger, R.D., eds., Guidebook to permafrost and Quaternary geology along the Richardson and Glenn Highways between Fairbanks and Anchorage, Alaska: Alaska Division of Geological & Geophysical Surveys Guidebook 1, 185-263, scale 1:250,000, 1 sheet.

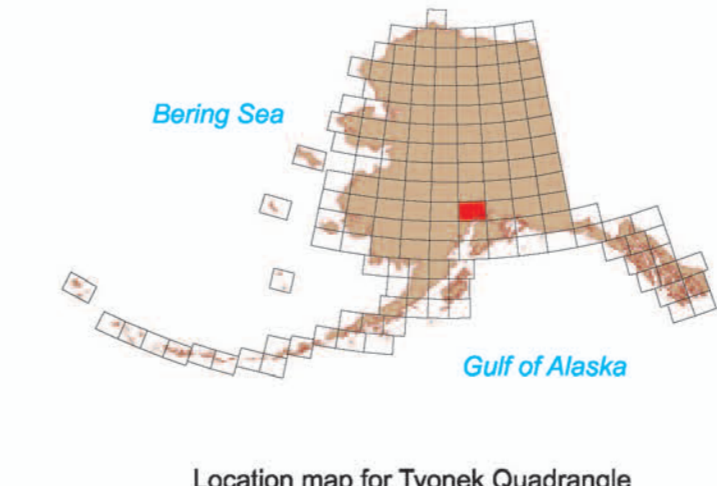
Schroll, H.R., and Yehle, L.A., 1987, Surficial geologic map of the northwestern quarter of the Tyonek A-4 Quadrangle, south-central Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-1934, scale 1:31,360, 1 sheet.

Solie, D.N., Gilbert, W.G., Harris, E.E., Nils, J.T., Liss, S.A., and Robinson, M.S., 1991, Preliminary geologic map of Tyonek D-6 and eastern Tyonek D-7 Quadrangles, Alaska: Alaska Division of Geological & Geophysical Surveys Public-data File 91-10, 16 p., scale 1:63,360, 1 sheet.

Weber, F.R., 1961, Reconnaissance engineering geology for selection of highway route from Talkeetna to McGrath, Alaska: U.S. Geological Survey Open-file Report 61-169, scale 1:250,000, 15 sheets.

DATA-QUALITY ASSESSMENT OF GEOLOGIC MAPPING ALONG PROPOSED TRANSPORTATION CORRIDORS IN THE TYONEK QUADRANGLE, ALASKA

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