



ROCK GROUPS WITH KNOWN RESOURCE POTENTIAL

GROUP	ASSOCIATED COMMODITY*
Ancient island arc sequence	Zn, barite, Pb, Au, Cu, Ag, Ni, Cr, Mn, Sb
Nikolai Basalt	Cu, Ag
Granitic intrusives associated with mineralization	Cu, Au, Mo, Ag, Sb, Pb, Zn
Valdez Group	Au, Ag, Pb, Zn, Sb, Cu, W
Undivided metamorphic rocks	Cu, Au, Pb, Zn, other metals
Orca Group volcanics	Cu, Au, Ph, Zn, Sb, Ni
Continental Tertiary sediments	Coal, U
Undivided other rock units	Petroleum geothermal energy, U, Cu, Au, other metals

- Major Fault (dashed where concealed)
- Generalized Geologic Contact (dashed where indefinite)
- Limestone Nikolai Basalt Contact (locus for Kennecott type copper deposits)

* Important commodities in each unit are underlined, others are less important or more speculative; Zn=Zinc, Pb=lead, Au=gold, Cu=copper, Ag=silver, Ni=Nickel, Cr=chromium, Mo=molybdenum, Sb=antimony, U=uranium, Mn=managnese, W=tungsten

EXPLANATION

- Prospect; no recorded past production, minor or untermned potential
- Prospect; no recorded past production but recognized major production potential
- Lode mine; unknown or minor production
- Lode mine; production worth more than \$50,000 (value at the time of operation)
- Placer mine; unknown or minor production
- Placer mines with production worth more than \$10,000 (value at the time of operation)
- Mineral occurrence; no known development or exploration
- Geochemical or geophysical anomaly
- Abandoned oil field

Scale 1:1,000,000

See appendix for more detailed description of deposits

FIGURE 3.- Rock groups in the Wrangell-St. Elias region