



# EXPLANATION

This map was prepared at the request of the Fairbanks North Star Borough planning department, for use in preparing a comprehensive land use plan for the Borough. Areas of lode mineral potential are generally coincident with exposures or subcrop of the Cleary Sequence (Smith and others, 1981; Robinson and others, 1982), a metalliferous stratigraphic sequence recognized during mineral resource studies of the district in 1981. Areas of demonstrated placer potential were outlined principally from proprietary information generously shared by numerous individuals and firms in the mining industry - especially the Alaska Gold Company.

MODERATE HIGH

Areas favorable for lode occurrences of gold, silver, tungsten, and antimony. Relative potential indicated as high or moderate.

LOW

Areas of unmined placer resources/reserves, determined from drilling, sampling, or mining. Relative potential indicated as high, moderate, low, or unknown(?).

## REFERENCES CITED

- Robinson, M.S., Smith, T.E., and Bundtzen, T.K., 1982, Cleary sequence of the Fairbanks mining district, primary stratigraphic control of lode gold/antimony mineralization (abs.): Abstracts with programs, Geologic Society of America Cordilleran Section Meeting, Anaheim, California.
- Smith, T.E., Robinson, M.S., Bundtzen, T.K., and Metz, P.A., 1981, Fairbanks mining district in 1981: New look at an old mineral province [abs.]: The Alaska Miner, v. 9, no. 11, November 1981.