

SOUTHEASTERN ALASKA MINERAL COMMODITY MAPS

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Continued interest by exploration companies in a Southeastern Alaska resource study in progress by the Mineral Industry Research Laboratory has prompted the release of some of the maps prior to the completion of the study. A report on the study should be available for distribution during the summer of 1970, and will contain a complete tabulation of all mineral properties and prospects contained in the literature or staked under the mining laws. In addition, the report will contain a description of U. S. Bureau of Mines mining districts, a summary of the geology, and thoughts pertaining to possible controls for ore deposits in the area.

The commodity maps contained in this packet represent only those properties currently listed in the State Division of Mines and Geology Kardex System. Information pertaining to all properties tabulated in this system for Southeastern Alaska has been digitized and stored on magnetic tape. The maps were plotted by computer at a scale of approximately 1" = 20 miles for overlay purposes. The computer utilized the storage and retrieval file of Alaska mineral information developed by the Mineral Industry Research Laboratory (see M.I.R.L. Report No. 24) and the STAMPEDE plotting and contouring program maintained by the University of Alaska computer center. Each map is a composite of individually plotted quadrangle maps using the U. S. Geological Survey coordinate system described in U. S. Geological Survey Bulletin 1139 for property location. At this scale, there is little error in location.

The maps are numbered as plates which will go into the report as finally issued. Plates 2 through 11 are overlays. The Plates are as follows:

- Plate 1 Geological map of Southeastern Alaska, obtained through the cooperation of the Canadian Institute of Mines and Metallurgy (from C.I.M. Spec. Vol. 8)
- Plate 2 All deposits, including non-metallics
- Plate 3 Metallic deposits
- Plate 4 Copper deposits
- Plate 5 Gold deposits
- Plate 6 Lead deposits
- Plate 7 Molybdenum deposits
- Plate 8 Iron deposits
- Plate 9 Nickel deposits
- Plate 10 Currently active claims
- Plate 11 Major faults

12 Major Tectonic Features