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MINERAL RESOURCES OF ALASKA

REPORT ON PROGRESS OF
INVESTIGATIONS IN

1922

BY

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MINERAL RESOURCES OF ALASKA, 1922.

By ALFRED H. BROOKS and others.

PREFACE.

By ALFRED H. BROOKS.

This volume is the nineteenth of a series of annual bulletins¹ summarizing the results achieved during the year in the investigation of the mineral resources of Alaska and treating of the mining industry of the Territory, especially of the statistics of mineral production, with the collection of which the Geological Survey is charged by law.

The reports included in this volume are primarily intended to give prompt publication of the more important economic results of the work of the year. The time available for their preparation does not permit full office study of the field notes and specimens, and some of the statements made here may require modification when the study has been completed. Those who are interested in any particular district should therefore procure a copy of the complete report on that district as soon as it is available.

Again, as for many years in the past, the Geological Survey is under great obligation to residents of the Territory for valuable data. Those who have thus aided include the many mine operators who have made reports on production as well as developments. There are still some Alaskan mineral producers, though a constantly decreasing number, who fail to respond to the request for information. Therefore it is still necessary to supplement the figures obtained from mine operators by estimates from other reliable sources. In this work the writer has received invaluable aid from many prospectors and miners, Federal and Territorial officials, engineers, and officers of banks and transportation and commercial companies.

It is impracticable to mention by name all who have aided in this work, but it should be stated that without the assistance of these public-spirited citizens the preparation of this report would have been

¹ The preceding volumes in this series are U. S. Geol. Survey Bulls. 259, 284, 314, 345, 379, 442, 480, 520, 542, 592, 622, 642, 662, 692, 712, 714, 722, and 739.

impracticable. Special mention should be made to B. D. Stewart, resident engineer of the Bureau of Mines; George Parks, of the General Land Office; the Director and other officers of the Bureau of the Mint; the Director and other officers of the Bureau of Mines; the officers of the Alaskan Engineering Commission; the American Railway Express Co.; Volney Richmond, of the Northern Commercial Co.; John C. McBride, H. T. Tripp, G. Jensen, Alaska-Juneau Gold Mining Co., and Jean Vanophem, of Juneau; Thomas Vogel, of Porcupine; John J. Kaznakoff, of Sitka; B. H. White and Thos. G. White, of Katalla; W. H. Dickey, of Rua Cove; G. Howard Birch, of Dan Creek; Kennecott Copper Corporation, of Kennicott; J. M. Elmer, of Dempsey; Thomas Larsen, of Kotsina; C. P. Tolson and W. G. Fenton, of Chickaloon; N. W. Sinclair, of Eska; H. W. Nagley and Edw. McConnell, of Talkeetna; T. S. Wolcott, of Colorado; Felix Brown and Alex Liska, of Anchorage; Fred Phillips, of Iliamna; D. E. Stubbs and Louis Huber, of Aniak; John Haroldson and A. Stecker, of Kwinak; W. F. Green and Peter McMullen, of McGrath; A. V. Thorns, of Tacotna; the First National Bank, George Hutchinson, J. E. Jennings, and T. H. Deal, of Fairbanks; Fred Schaupp, of Chatanika; Charles Zielke, Val Diebold, and John J. Murphy, of Nenana; Judson McLellan, Thos. McKinnon, and A. M. Bainbridge, of Tolovana; Alex. Mitchell, of Kantishna; George W. Ledger, of Rampart; C. E. Jones, of Ruby; B. B. Smith, Frank Speljack, and Edward Schneirla, of Ophir; H. S. Wanamaker, of Nolan; W. D. English, of Wiseman; George M. Pilcher, of Fortuna Ledge; James Funchion, A. W. Amero, and Fred J. Smith, of Caro; William Yanert, of Purgatory; Alfred Johnson, of Deadwood; J. J. Hillard and E. A. Robertson, of Eagle; J. H. Elden, of Steel Creek; Charles E. M. Cole, of Jack Wade; D. P. Thornton and Edward Briggen, of Chisana; A. J. Griffin, of Richardson; the Miners and Merchants Bank, Jack Gale, A. W. Kah, Anna Dukes, and R. W. J. Reed, of Nome; N. L. Wimpler, of the Bureau of Mines; S. M. Gaylord, of Solomon; the late W. N. Marx, of Teller; A. S. Tucker, of Bluff; Louis Lloyd, Michael Tuohy, and James C. Cross, of Shungnak; and George L. Stanley, of Kiana.