UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUMMARIES OF DATA ON AND LISTS OF REFERENCES TO METALLIC AND SELECTED NONMETALLIC MINERAL OCCURRENCES IN THE AMBLER RIVER QUADRANGLE, ALASKA, SUPPLEMENT TO OPEN-FILE REPORT 75-628

PART B -- LISTS OF REFERENCES TO JANUARY 1, 1981

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Open-File Report 81-570 B
1981

This report is preliminary and has
not been reviewed for conformity
with U.S. Geological Survey
editorial standards.

Introduction

This report was prepared as a supplement to a 1975 report which summarized data on mineral occurrences in the Ambler River and other quadrangles in northern Alaska (Cobb, E. H., 1975, Summary of references to mineral occurrences (other than mineral fuels and construction materials) in northern Alaska: U.S. Geological Survey Open-File Report 75-628, 106 p.). As a result of suggestions from users of the series of which the 1975 report is a part, this supplement is released in two parts: Part A, which presents summaries of data to January 1, 1981, and Part B, which consists of reference lists for each occurrence.

In Part A data from most reports released between the cut-off date (January 1, 1975) for the original report and January 1, 1981, have been incorporated in rewritten or new summaries where appropriate. For each occurrence described in Part A the name, U.S. Bureau of Mines mining district, reference that has the occurrence plotted on a map, list of mineral commodities, and location data are in the same format as in the 1975 report. Also included is an updated list of synonyms, owner, operator, and claim names.

In both parts citations are in standard bibliographic format with the exception that references to reports and maps in numbered publication series also show, in parentheses, an abbreviation for the report or map series and the number of the report or map. Abbreviations used are:

AOF	Alaska Division of Geological and Geophysical Surveys Open-File Report
B	U.S. Geological Survey Bulletin
C	U.S. Geological Survey Circular
GR	Alaska Division of Geological and Geophysical Surveys (and predecessor State agencies) Geologic Report
IC	U.S. Bureau of Mines Information Circular
OF	U.S. Geological Survey Open-File Report
MF	U.S. Geological Survey Miscellaneous Field Studies Map
P	U.S. Geological Survey Professional Paper
RI	U.S. Bureau of Mines Report of Investigations
TDM	Alaska Territorial Department of Mines Pamphlet
USBM OF	U.S. Bureau of Mines Open-File Report

In Part B citations to the principal references used in preparing summaries in Part A are preceded by an asterisk. The form of citation used in the reference list for each occurrence is considered sufficient identification for each numbered report or map to be found easily in most libraries. Complete references to reports without identifying numbers are listed at the end of Part B.

The following five U.S. Bureau of Mines Open-File Reports were not used in preparing this supplement, because descriptions of most occurrences are not sufficiently detailed to allow evaluation of deposits. In many descriptions it is not possible to determine if a potentially valuable

mineral was identified or if the report is based solely on an analysis of a sample collected during a geochemical survey. Most specific data are also in other reports, such as Degenhart and others, 1978 (USBM OF 103-78) and Grybeck, 1977 (OF 77-166C).

Staff, Alaska Field Operations Center, 1978, Mineral data appraisal of the proposed Noatak National Ecological Reserve, Alaska: A preliminary comment: U.S. Bureau of Mines Open-File Report 67-78, 33 p.

_____1978, Mineral appraisal of the proposed Gates of the Arctic Wilderness National Park, Alaska: A preliminary comment: U.S. Bureau of Mines Open-File Report 109-78, 29 p.

_____1978, Mineral appraisal of the proposed Kobuk Valley National Park, Alaska: A preliminary comment: U.S. Bureau of Mines Open-File Report 110-78, 31 p.

_____1979, A mineral appraisal of the areas traversed by the Kobuk, Killik, Alatna and John Rivers and the North Fork of the Koyukuk River, Brooks Range, Alaska: A summary report: U.S. Bureau of Mines Open-File Report 36-79, 23 p.

_____1979, A mineral appraisal of the areas traversed by the Salmon and Noatak Rivers in the western Brooks Range; A summary report: U.S. Bureau of Mines Open-File Report 50-79, 16 p.

(Agnes Cr.)

Brooks, 1925 (B 773), p. 51
Smith, 1933 (B 836), p. 51
Smith, 1933 (B 844-A), p. 52
Smith, 1939 (B 910-A), p. 73
Smith, 1939 (B 917-A), p. 71
Cobb, 1973 (B 1374), p. 58
*Cobb, 1975 (OF 75-628), p. 5
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 16

(Ambler R., headwaters)

*Mayfield and Grybeck, 1978 (OF 78-120I), locs. 59-61

(Ambler Valley)

*Brooks and Martin, 1921 (B 714), p. 95
Cobb, 1975 (OF 75-628), p. 6

Arctic (Camp)

Bottge, 1975 (USBM OF 20-75), p. 15, 175
*Wiltse, 1975 (AOF 60)
Grybeck, 1977 (OF 77-166C), p. 16, loc. 19
Degenhart and others, 1978 (USBM OF 103-78), p. 25, 75-79
Grybeck and DeYoung, 1978 (OF 78-1-B), p. 8
*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 42
*Dillon and others, 1979 (GR 61), p. 39
Grybeck and Nokleberg, 1979 (C 804-B), p. B20

(Asbestos Mtn.)

Smith and Eakin, 1911 (B 480), p. 304
Smith, 1913 (B 536), p. 154
Smith and Mertie, 1930 (B 815), p. 344-345
Reed, 1931, p. 31-32
Coats, 1944, p. 3
Anderson, 1945 (TDM 3-R), p. 14-18, 25
Bain, 1946 (IC 7379), p. 75-76
Anderson, 1947 (TDM 5-R), p. 14-15, 47-48
Heide and others, 1949 (RI 4414), p. 2, 6-7, 11-13, 19-20, 22-24
Fritts, 1969 (GR 37), p. 5, 29
Fritts, 1970 (GR 39), p. 28, 59
*Cobb, 1975 (OF 75-628), p. 7-8
Grybeck, 1977 (OF 77-166C), p. 17, loc. 23
*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 29

(Aurora Mtn.)

Brooks, 1909 (B 379), p. 31
Smith and Eakin, 1911 (B 480), p. 300-303
Smith, 1913 (B 536), p. 147, 149-150, 153
Brooks, 1921 (B 714), p. 36
Smith and Mertie, 1930 (B 815), p. 341-342
Anderson, 1947 (TDM 5-R), p. 24

Wedow and others, 1952, p. 48
Berg and Cobb, 1967 (B 1246), p. 106
Fritts, 1970 (GR 39), p. 39, 49, 51, 62
Cobb, 1972 (MF 454), loc. 4
*Cobb, 1975 (OF 75-628), p. 9
Grybeck, 1977 (OF 77-166C), p. 18, loc. 25
*Degenhart and others, 1978 (UBSM OF 103-78), p. 50-51, 66-67
*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 22

(Bismark Cr.)

Reed, 1931, p. 14-15
Fritts, 1970 (GR 39), p. 55
Cobb, 1972 (MF 454), loc. 9
*Cobb, 1975 (OF 75-628), p. 10
Cobb, 1977 (OF 77-168B), p. 2, loc. 2
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 17

(Bismark Mtn.)

Anderson, 1945 (TDM 3-R), p. 19-20
Anderson, 1947 (TDM 5-R), p. 15
Heide and others, 1949 (RI 4414), p. 10, 16-18
Fritts, 1970 (GR 39), p. 59
*Cobb, 1975 (OF 75-628), p. 11
Grybeck, 1977 (OF 77-166C), p. 18, loc. 28
*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 18

(Boulder Cr.)

Smith, 1934 (B 864-A), p. 53
Smith, 1936 (B 868-A), p. 55-56
Smith, 1937 (B 880-A), p. 58
Smith, 1938 (B 897-A), p. 68
Smith, 1939 (B 910-A), p. 73
Smith, 1939 (B 917-A), p. 71
Smith, 1941 (B 926-A), p. 67
Fritts, 1970 (GR 39), p. 58
*Cobb, 1975 (OF 75-628), p. 12

(Canyon Cr.)

*Reed, 1931, p. 29
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 31

(Cosmos Cr.)

*Reed, 1931, p. 16-17, 31
*Anderson, 1945 (TDM 3-R), p. 7, 9, 20-21, 25-26
*Anderson, 1947 (TDM 5-R), p. 11, 21-22
Cobb, 1975 (OF 75-628), p. 13
Cobb, 1977 (OF 77-168B), p. 2, loc. 3
Grybeck, 1977 (OF 77-166C), p. 18, loc. 26
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 20

(Dead Cr.)

Grybeck, 1977 (OF 77-166C), p. 16, loc. 18
*Degenhart and others, 1978 (USBM OF 103-78), p. 25, 75, 79-80
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 41

(Diane Cr.)

Grybeck, 1977 (OF 77-166C), p. 17, loc. 20
*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 43

(Horse Cr.)

Grybeck, 1977 (OF 77-166C), p. 16, loc. 16
*Degenhart and others, 1978 (USBM OF 103-78), p. 25, 75, 82-83
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 39

(Hunt R.)

*Smith, 1913 (B 536), p. 146
Anderson, 1945 (TDM 3-R), p. 11
*Anderson, 1947 (TDM 5-A), p. 16
Cobb, 1975 (OF 75-628), p. 14
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 9 (in part)

(Imelyak R.)

*Mayfield and Grybeck, 1978 (OF 78-120I), locs. 75, 76

(Iron Mtn.)

*Smith, 1913 (B 536), p. 153-154
Smith and Mertie, 1930 (B 815), p. 343
Anderson, 1947 (TDM 5-R), p. 26
Berg and Cobb, 1967 (B 1246), p. 106
Cobb, 1972 (MF-454), loc. 5
Cobb, 1975 (OF 75-628), p. 15
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 25

(Jade Mtn.)

Smith, 1913 (B 536), p. 155
Brooks, 1921 (B 714), p. 55
Smith and Mertie, 1930 (B 815), p. 344-346
*Anderson, 1945 (TDM 3-R), p. 7, 13, 22-26
Bain, 1946 (IC 7379), p. 82
Anderson, 1946 (TDM 5-R), p. 16, 24
Heide and others, 1949 (RI 4414), p. 13-14
Berg and Cobb, 1967 (B 1246), p. 104
Fritts, 1969 (GR 37), p. 29
Fritts, 1970 (GR 39), p. 60
Cobb, 1972 (MF-454), loc. 3 (in part)
Cobb, 1973 (B 1374), p. 57-58
Cobb, 1975 (OF 75-628), p. 16-18
Cobb, 1977 (OF 77-168B), p. 2, loc. 1
Grybeck, 1977 (OF 77-166C), p. 15, locs. 5, 6
*Mayfield and Grybeck, 1978 (OF 78-120I), locs. 14, 15

(Jade Mts.)

*Brosgé and others, 1967, sample M98(A)
Cobb, 1972 (MF-454), loc. 2
Cobb, 1975 (OF 75-628), p. 19
Grybeck, 1977 (OF 77-166C), p. 15, loc. 4
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 13

(Jay Cr.)

Reed, 1931, p. 18
*Fritts, 1970 (GR 39), p. 58
Cobb, 1972 (MF-454), loc. 10
Cobb, 1975 (OF 75-628), p. 20
Cobb, 1977 (OF 77-169B), p. 2, loc. 4
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 23

(Kaluich area)

Grybeck, 1977 (OF 77-166C), p. 15, loc. 3
*Degenhart and others, 1978 (USBM OF 103-78), p. 131, 340-350, 494
*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 6

(Kaluich Cr.)

*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 2

(Kav)

Grybeck, 1977 (OF 77-166C), p. 15, loc. 8
*Degenhart and others, 1978 (USBM OF 103-78), p. 131, 351-371, 494
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 71

(Kobuk R.)

Grybeck, 1977 (OF 77-166C), p. 15, loc. 2
*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 12

Malfiatti

Brooks, 1914 (B 592), p. 72
*Berg and Cobb, 1967 (B 1246), p. 104
Cobb, 1972 (MF-454), loc. 1
Cobb, 1975 (OF 75-628), p. 21
Grybeck, 1977 (OF 77-166C), p. 15, loc. 1
Degenhart and others, 1978 (USBM OF 103-78), p. 131
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 5

(Midas Cr.)

Smith, 1912 (B 520), p. 336-337
*Smith, 1913 (B 536), p. 141-142
Brooks, 1925 (B 773), p. 51
Smith and Mertie, 1930 (B 815), p. 332
Cobb, 1972 (MF-454), loc. 12
Cobb, 1973 (B 1374), p. 59
Cobb, 1975 (OF 75-628), p. 22
*Degenhart and others, 1978 (USBM OF 103-78), p. 132, 372-373, 377-379, 494
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 63

(Nanielik Cr.)

*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 1

(Natmotirak Cr.)

*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 3

(Ningyoyak Cr.)

Grybeck, 1977 (OF 77-166C), p. 15, loc. 9
*Degenhart and others, 1978 (USBM OF 103-78), p. 132, 374-377, 379, 381-382
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 64

(Pearl Cr.)

Smith, 1934 (B 864-A), p. 53
Fritts, 1970 (GR 39), p. 58
Cobb, 1975 (OF 75-628), p. 23
Cobb, 1977 (OF 77-168B), p. 2, loc. 2
*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 32

(Que Cr.)

Grybeck, 1977 (OF 77-166C), p. 17, loc. 21
*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 44

(Riley Cr.)

Brooks, 1910 (B 442), p. 46
Smith and Eakin, 1911 (B 480), p. 294-296, 299
Smith, 1913 (B 536), p. 129-131, 145
Martin, 1919 (B 692), p. 42
Smith and Mertie, 1930 (B 815), p. 324-325, 336
Reed, 1931, p. 22-24, 30
Smith, 1934 (B 864-A), 53
Smith, 1936 (B 868-A), p. 55-56
Smith, 1937 (B 880-A), p. 58
Smith, 1938 (B 897-A), p. 68
Smith, 1939 (B 910-A), p. 73
Smith, 1939 (B 917-A), p. 71
Smith, 1941 (B 926-A), p. 67
Smith, 1942 (B 933-A), p. 64
Berg and Cobb, 1967 (B 1246), p. 106
Fritts, 1970 (GR 39), p. 58
Cobb, 1972 (MF-454), locs. 7, 11
Cobb, 1973 (B 1374), p. 60
*Cobb, 1975 (OF 75-628), p. 24
Cobb, 1977 (OF 77-168B), p. 2, loc. 5
*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 28

(Ruby Cr.)

Smith and Eakin, 1911 (B 480), p. 300-303
Smith, 1913 (B 536), p. 147-150, 153
Brooks, 1921 (B 714), p. 36
Smith and Mertie, 1930 (B 815), p. 339-341
Reed, 1931, p. 18, 31
Anderson, 1947 (TDM 5-R), p. 24
Wedow and others, 1952, p. 48-49
Matzko and Freeman, 1963 (B 1155), p. 39-40
Berg and Cobb, 1967 (B 1246), p. 105-106
Fritts, 1969 (GR 37), p. 3-6, 9
*Fritts, 1970 (GR 39), p. 39-54, 58, 63
Cobb, 1972 (MF-454), p. 6
Cobb, 1973 (B 1374), p. 57, 60
Cox and others, 1973 (P 820), p. 180
*Bottge, 1975 (USBM OF 20-75), p. 15, 175
*Cobb, 1975 (OF 75-628), p. 25-27
Grybeck, 1977 (OF 77-166C), p. 17, loc. 24
Degenhart and others, 1978 (USBM OF 103-78), p. 23-24, 43-45, 47-49, 51-62, 84-90
Grybeck and DeYoung, 1978 (OF 78-1-B), p. 6
*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 24
Grybeck and Nokleberg, 1979 (C 804-B), p. B20
Dillon and others, 1979 (GR 61), p. 39-40

(Shishakshinovik Pass)

*Smith, 1913 (B 536), p. 150
Smith and Mertie, 1930 (B 815), p. 342
*Anderson, 1947 (TDM 5-R), p. 23
Berg and Cobb, 1967 (B 1246), p. 105-106
Cobb, 1972 (MF-454), loc. 8
Cobb, 1975 (OF 75-628), p. 28
Grybeck, 1977 (OF 77-166C), p. 16, locs. 12, 13
Degenhart and others, 1978 (USBM OF 103-78), p. 132, 383-393, 494
*Mayfield and Grybeck, 1978 (OF 78-120I), locs. 50-52

(Shungnak R.)

Brooks, 1909 (B 379), p. 59
Brooks, 1910 (B 442), p. 46
Smith and Eakin, 1911 (B 480), p. 296-298
Smith, 1913 (B 536), p. 131-132
Brooks, 1914 (B 592), p. 72
Brooks, 1916 (B 642), p. 71
Martin, 1919 (B 692), p. 42
Moffit, 1927 (B 792), p. 23
Smith and Mertie, 1930 (B 815), p. 321-322
Reed, 1931, p. 12-15, 31-32
Smith, 1932 (B 824), p. 49
Smith, 1933 (B 844-A), p. 51-52
Smith, 1934 (B 857-A), p. 48
Smith, 1934 (B 864-A), p. 53-54
Smith, 1936 (B 868-A), p. 55-56

Smith, 1937 (B 880-A), p. 58
Smith, 1938 (B 897-A), p. 68
Smith, 1939 (B 910-A), p. 73
Smith, 1939 (B 917-A), p. 71
Smith, 1941 (B 926-A), p. 67
Smith, 1942 (B 933-A), p. 64
Anderson, 1945 (TDM 3-R), p. 24-26
Anderson, 1947 (TDM 5-R), p. 15-16, 23
Fritts, 1969 (GR 37), p. 26
Fritts, 1970 (GR 39), p. 54-55
Cobb, 1972 (MF-454), loc. 9
Cobb, 1973 (B 1374), p. 59-60
*Cobb, 1975 (OF 75-628), p. 29-30
Cobb, 1977 (OF 77-168B), p. 2, loc. 2
Grybeck, 1977 (OF 77-166C), p. 18, loc. 29
Mayfield and Grybeck, 1978 (OF 78-120I), locs. 17, 19

(Sleet Cr.)

*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 37

Smucker

Grybeck, 1977 (OF 77-166C), p. 16, loc. 15
*Degenhart and others, 1978 (USBM OF 103-78), p. 75, 82
*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 36

(Sunshine Cr.)

Grybeck, 1977 (OF 77-166C), p. 16, loc. 17
*Degenhart and others, 1978 (USBM OF 103-78), p. 25
*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 40

(Tunukuchiak Cr.)

*Degenhart and others, 1978 (USBM OF 103-78), p. 131

(Wesley Cr.)

*Smith, 1913 (B 536), p. 153
Smith and Mertie, 1930 (B 815), p. 343
*Anderson, 1945 (TDM 3-R), p. 9, 11, 21-22, 25-26
Berg and Cobb, 1967 (B 1246), p. 106
Grybeck, 1977 (OF 77-166C), p. 19, loc. 2
Mayfield and Grybeck, 1978 (OF 78-120I), loc. 26

Unnamed occurrence, antimony, lead (62°28'N, 158°08'W)

*Mayfield and Grybeck, 1978 (OF 78-1201), loc. 7

Unnamed occurrence, asbestos, copper (67°18'N, 158°51'W)

*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 11

Unnamed occurrence, asbestos, copper (67°19'N. 158°48'W

*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 10

Unnamed occurrence, copper (67°25'N, 156°36'W)

*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 48

Unnamed occurrence, copper (67°35'N, 156°11'W)

*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 55

Unnamed occurrence, copper (67°52'N, 157°03'W)

*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 67

Unnamed prospect, copper, lead (67°24'N, 156°39'W)

Grybeck, 1977 (OF 77-166C), p. 15, loc. 10

*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 49

Unnamed prospect, copper, lead (67°24'-67°26'N, 156°27'-156°30'W)

Grybeck, 1977 (OF 77-166C), p. 15, loc. 11

*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 47

Unnamed occurrence, copper, lead, vanadium, zinc (67°50'N, 156°49'W)

*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 70

Unnamed occurrence, lead (67°23'N, 156°27'W)

*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 46

Unnamed occurrence, uranium (67°25'N, 156°23'W)

*Mayfield and Grybeck, 1978 (OF 78-120I), loc. 80

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