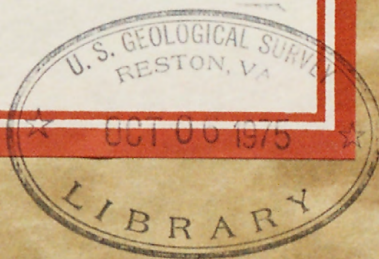


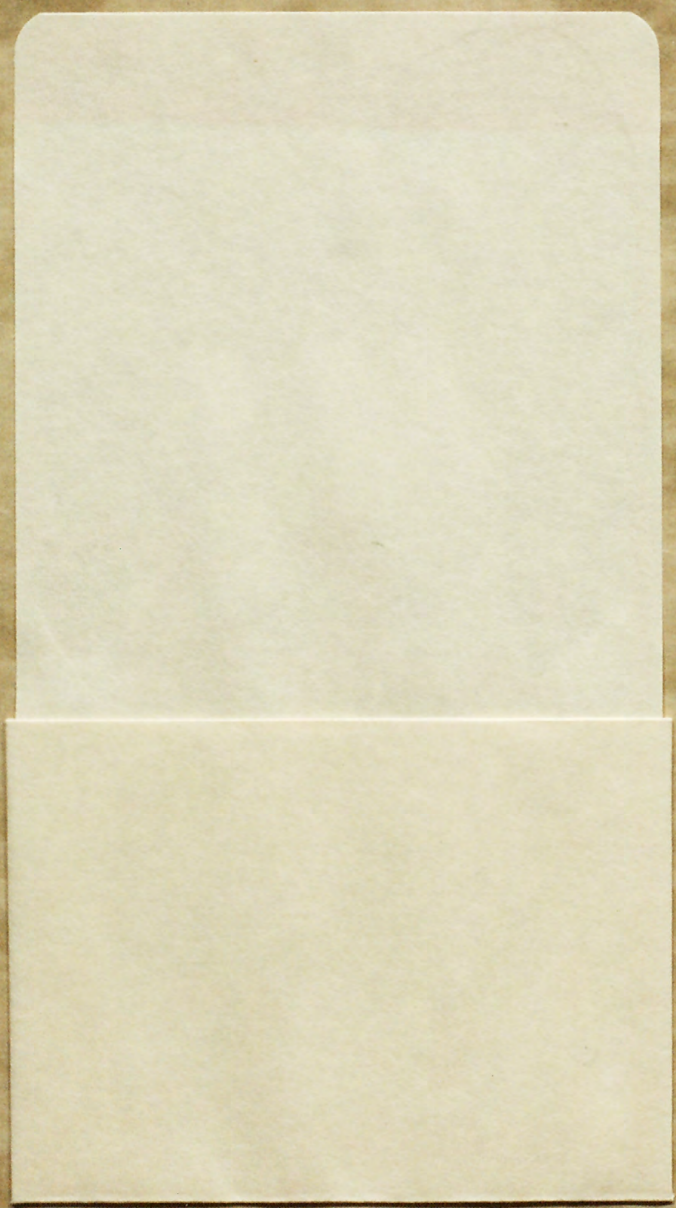
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*U.S.* GEOLOGICAL SURVEY

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METALLIC MINERAL RESOURCES MAPS OF SEVEN ALASKA QUADRANGLES

Chignik  
Cold Bay

Dillingham  
Lake Clark  
Naknek

Port Moller  
Unalaska

Compiled by

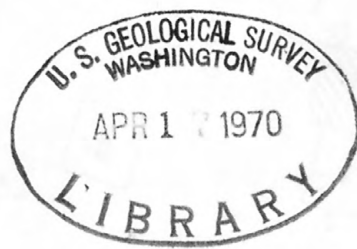
Edward H. Cobb

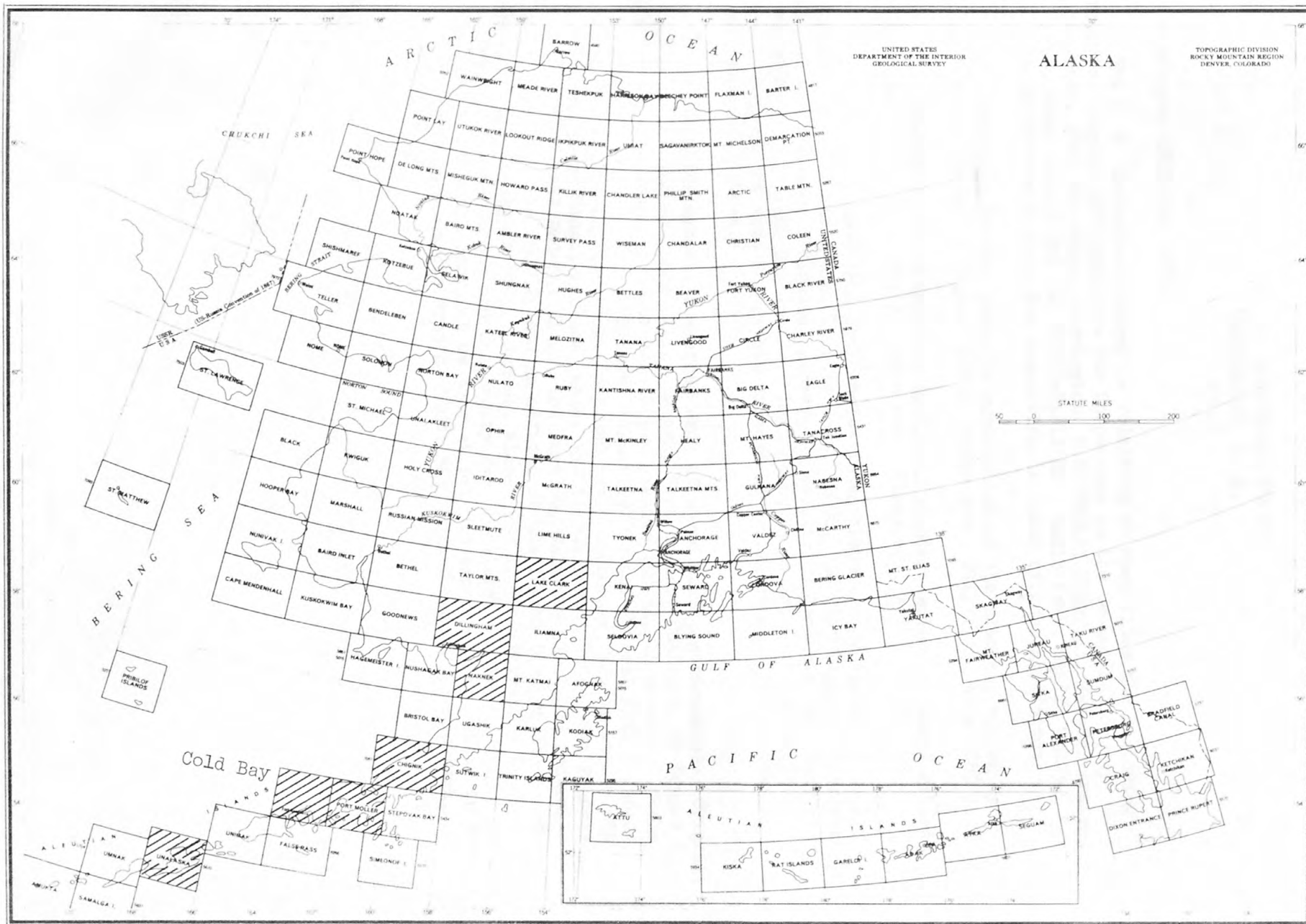
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Index map

*To accompany*

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U. S. GEOLOGICAL SURVEY  
WASHINGTON, D. C.  
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For release APRIL 16, 1970

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1. Strategy for the geologic exploration of the planets, edited by M. H. Carr. 105 p., 2 figs. 601 E. Cedar Ave., Flagstaff, Ariz. 86001.
2. Geologic transcript from Apollo 11 mission, edited by David Schlei-cher. 69 p., 1 fig. 601 E. Cedar Ave., Flagstaff, Ariz. 86001.
3. Logs of cores from drill holes in southeastern Kentucky, by Donald C. Alvord. 1 p., 1 index map, 12 core logs. USGS, 710 West High St., Lexington, Ky. 40508; Kentucky Geological Survey, University of Kentucky, 307 Mineral Industries Bldg., 120 Graham Ave., Lexington, Ky. 40506. Material from which copy can be made at private expense is available in both Kentucky offices listed above.
4. Metallic mineral resources maps of seven Alaska quadrangles: Chignik, Cold Bay, Dillingham, Lake Clark, Naknek, Port Moller, Unalaska, by Edward H. Cobb. 6 p., 7 maps, 1 index map, 1 explanation (total, 14 sheets). Scale, 1:500,000. Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; 108 Skyline Bldg., 508 2nd Ave., Anchorage, Alaska 99501; 678 U.S. Court House Bldg., Spokane, Wash. 99201; 504 Custom House, San Francisco, Calif. 94111; 7638 Federal Bldg., Los Angeles, Calif. 90012; 1012 Federal Bldg., Denver, Colo. 80202; and in offices of the Alaska Div. of Mines and Geology, 509 Goldstein Bldg., Juneau, Alaska 99801; 3001 Porcupine Dr., Anchorage, Alaska 99504; and University Ave., College, Alaska 99701. Material from which copy can be made at private expense is available in the Alaskan Mineral Resources Branch, USGS, 345 Middlefield Rd., Menlo Park, Calif. 94025.

# EXPLANATION



Granitic rocks



Lode deposit

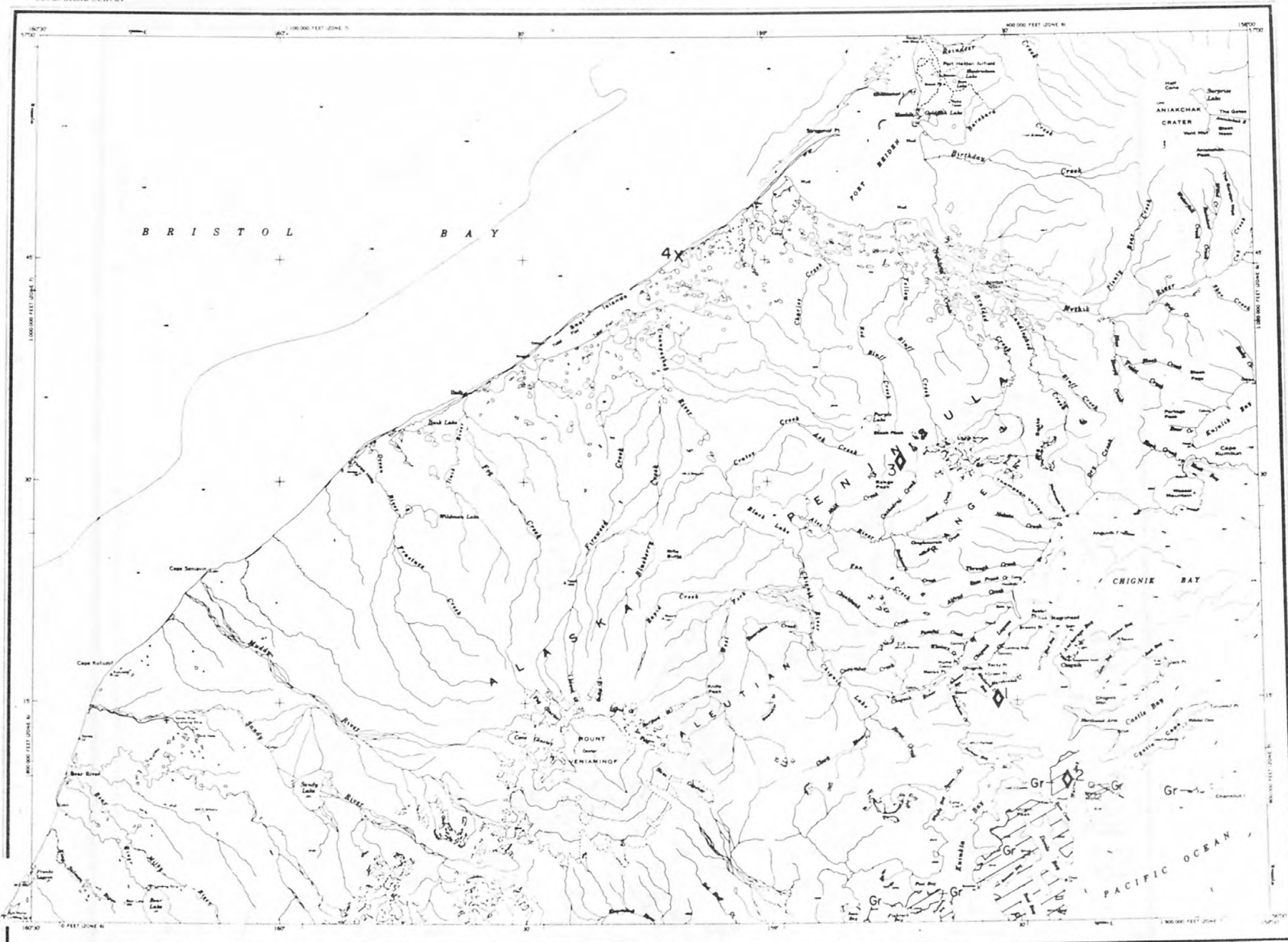


Placer deposit



Numbers refer to accompanying lists

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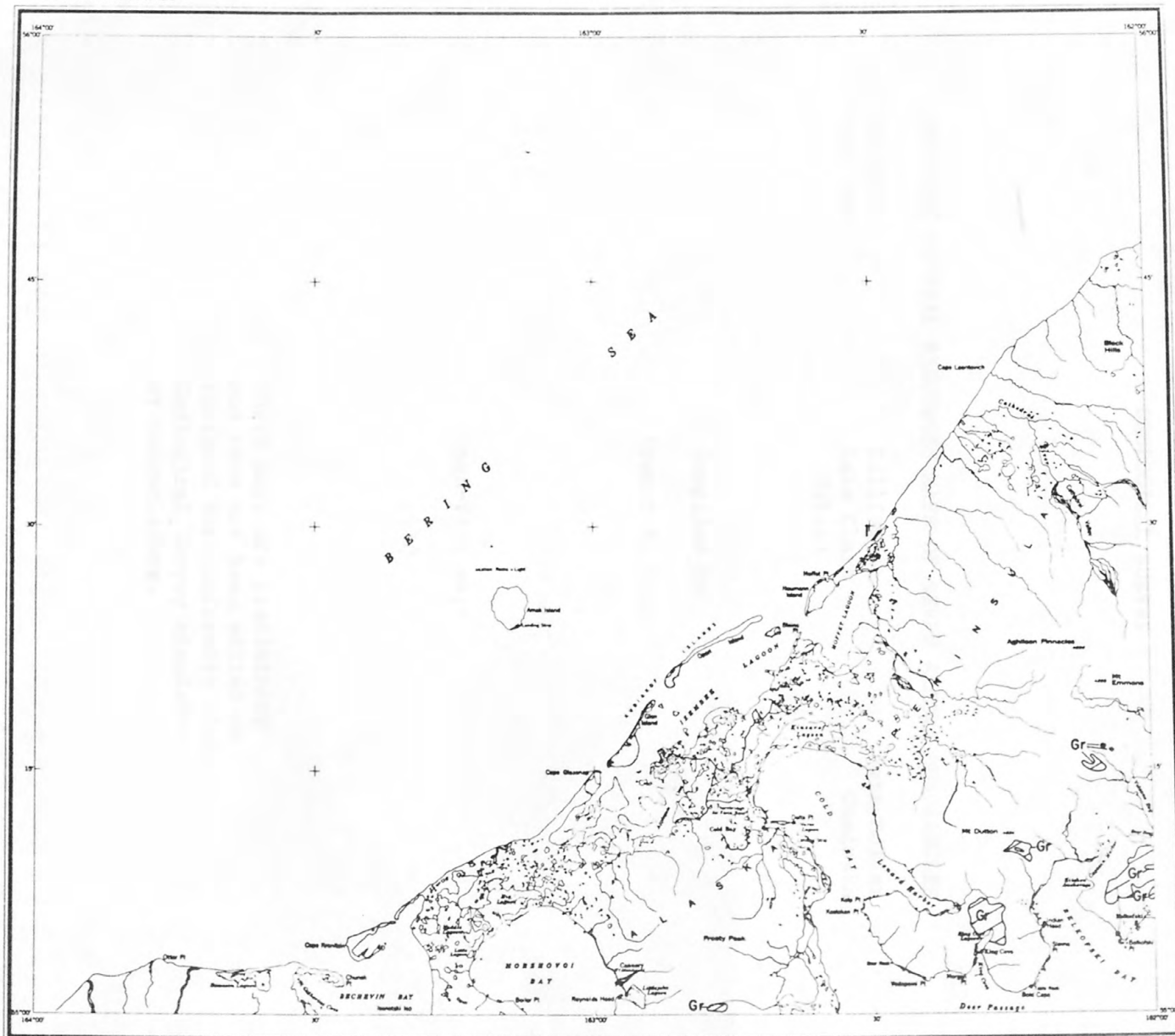


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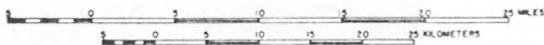


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METALLIC MINERAL RESOURCES MAP OF THE CHIGNIK QUADRANGLE, ALASKA  
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METALLIC MINERAL RESOURCES MAP OF THE COLD BAY QUADRANGLE, ALASKA

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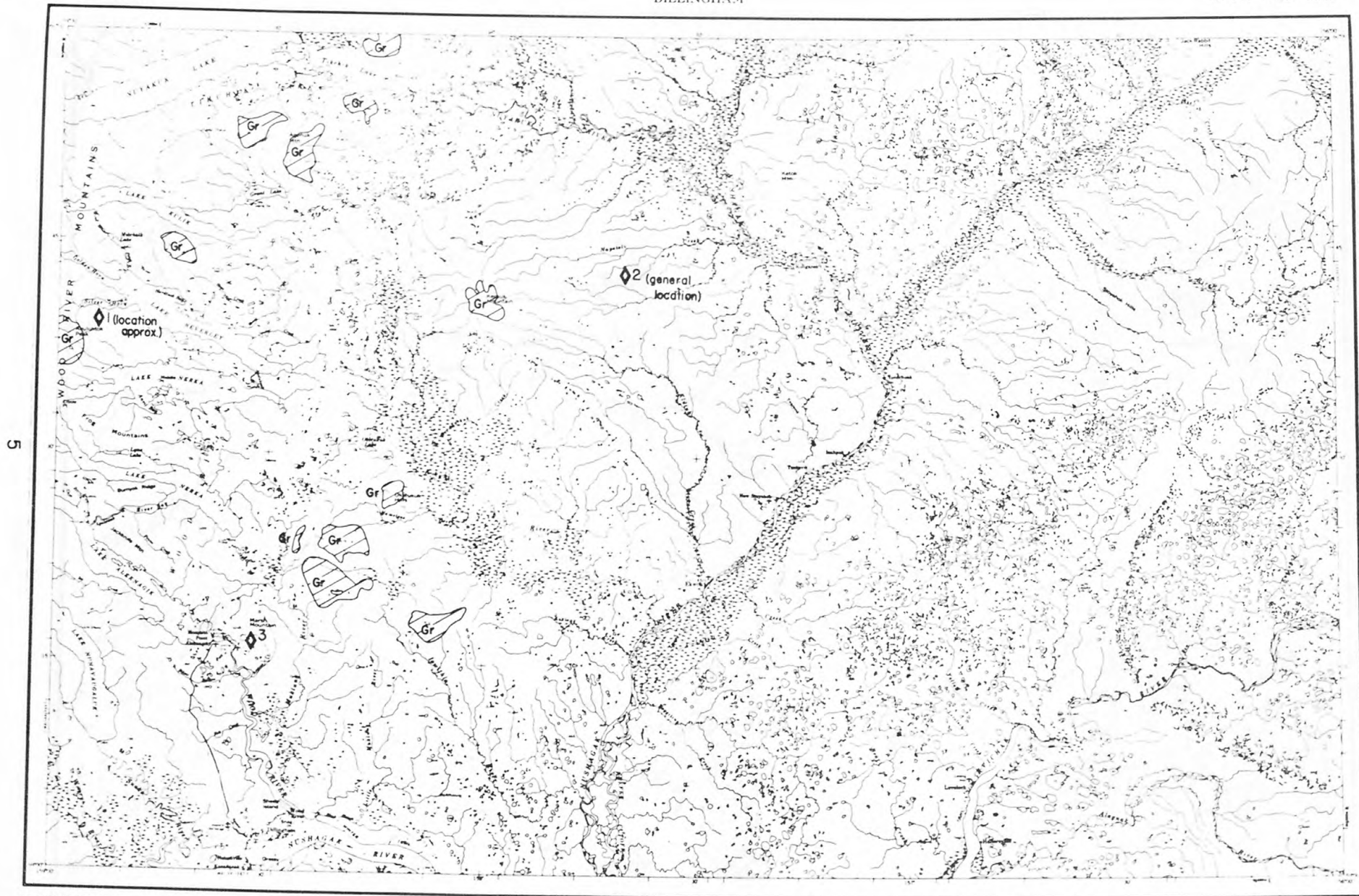
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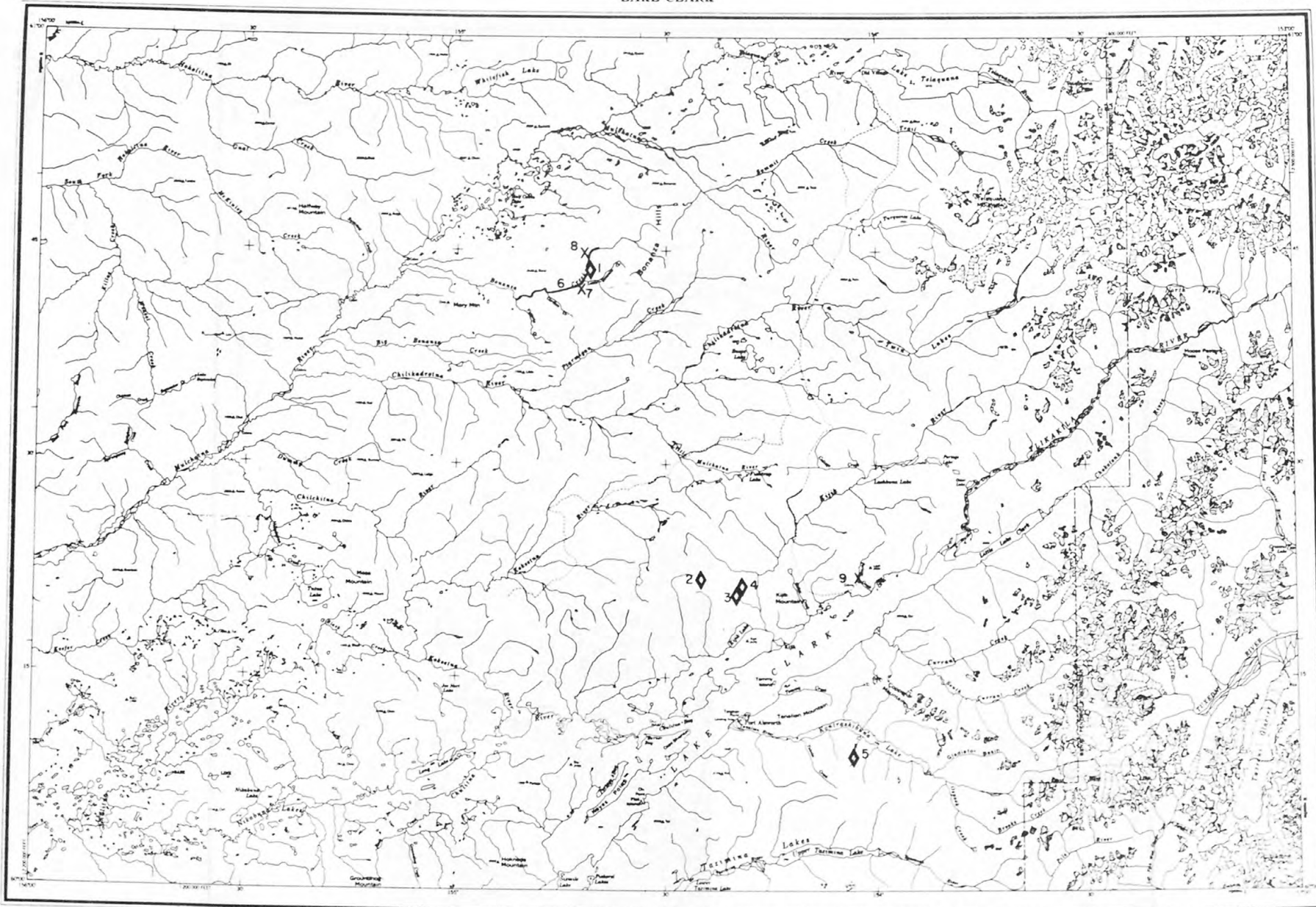
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METALLIC MINERAL RESOURCES MAP OF THE DILLINGHAM QUADRANGLE, ALASKA  
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METALLIC MINERAL RESOURCES MAP OF THE LAKE CLARK QUADRANGLE, ALASKA

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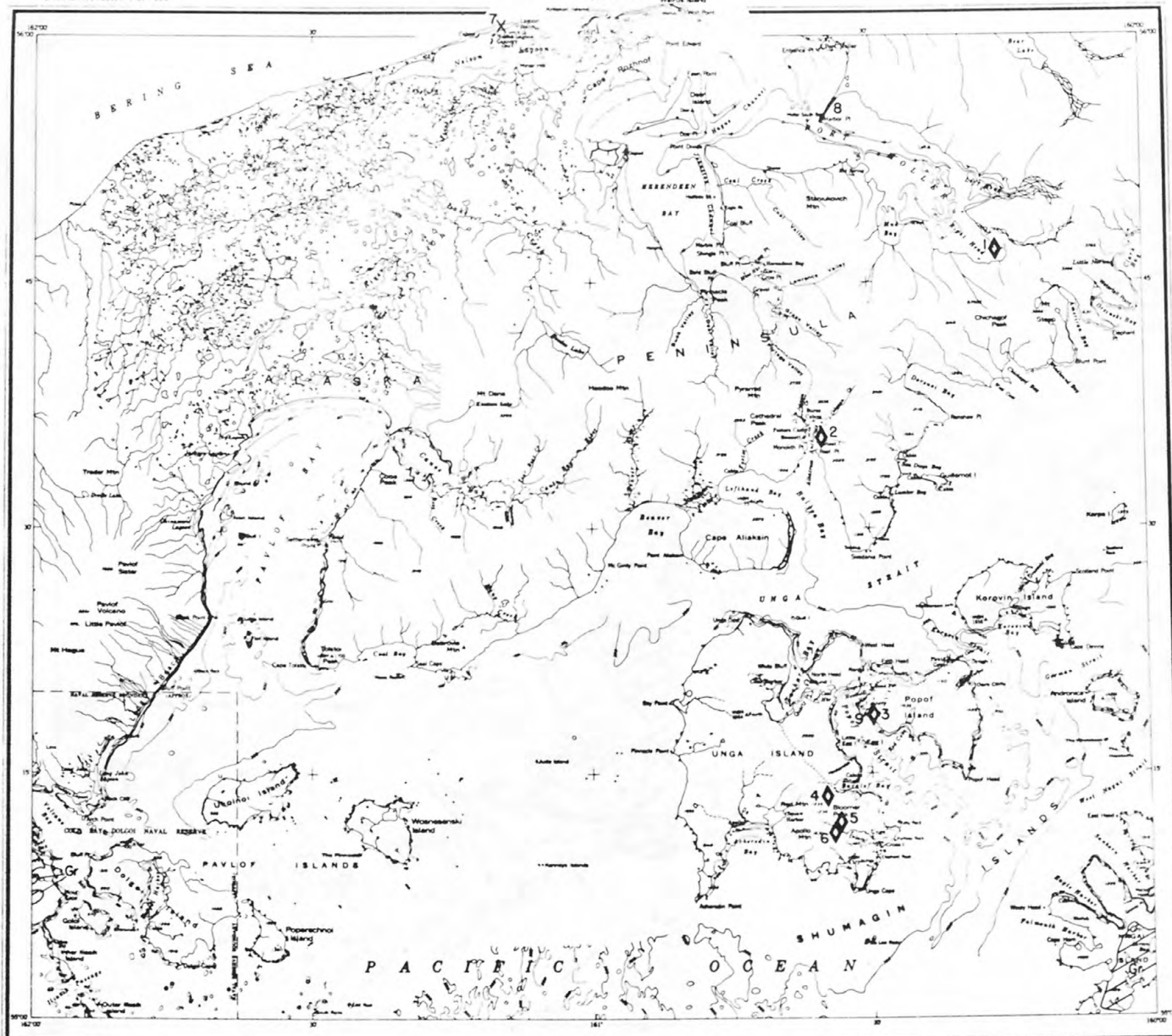


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METALLIC MINERAL RESOURCES MAP OF THE NAKNEK QUADRANGLE, ALASKA

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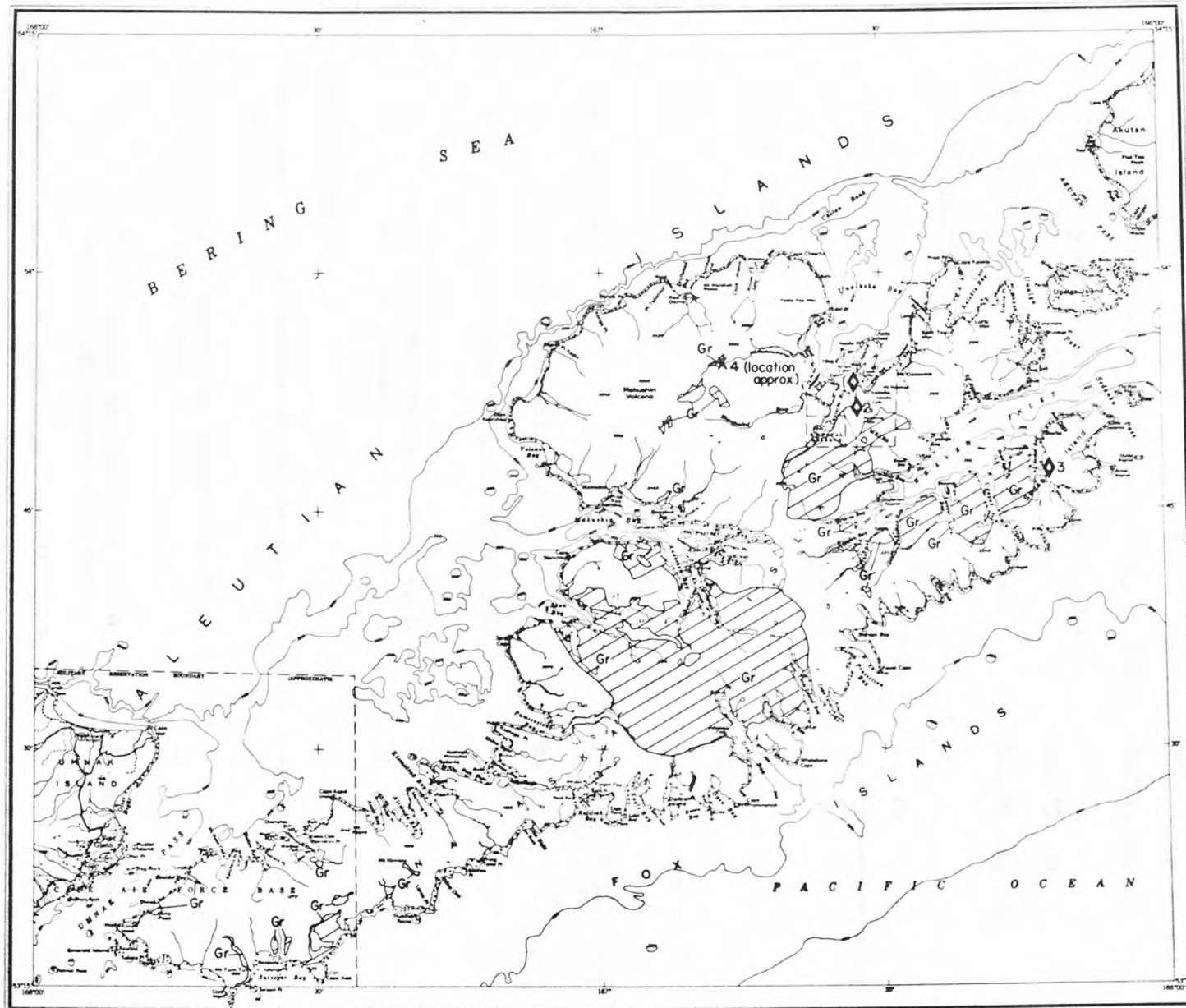
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METALLIC MINERAL RESOURCES MAP OF THE PORT MOLLER QUADRANGLE, ALASKA

Compiled by Edward H. Cobb

1970



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for conformity with  
Geological Survey stan-  
dards or nomenclature.

METALLIC MINERAL RESOURCES MAP OF THE UNALASKA QUADRANGLE, ALASKA  
Compiled by Edward H. Cobb  
1970

Number    Name and principle reference(s)    Commodity<sup>1/</sup>, <sup>2/</sup>, <sup>3/</sup>

CHIGNIK QUADRANGLE

Lode deposits

- |   |  |                |
|---|--|----------------|
| 1 | Mallard Duck Bay: Atwood, 1911, p. 128         | Au(?), Pb, Zn  |
| 2 | Prospect (Warner) Bay: Atwood, 1911,<br>p. 129 | Cu, Pb, Zn     |
| 3 | Cathedral Creek: unpublished data              | Au, Pb, Ag, Zn |

Placer deposit

- |   |  |        |
|---|--|--------|
| 4 | Port Heiden: Berryhill, 1963, p. 33-36 | Au, Fe |
|---|--|--------|
- 

COLD BAY QUADRANGLE

Placer deposit

- |   |  |    |
|---|--|----|
| 1 | Moffett Point: Berryhill, 1963, p. 45-48 | Fe |
|---|--|----|
- 

DILLINGHAM QUADRANGLE

Lode deposits

- |   |  |           |
|---|--|-----------|
| 1 | Silver Horn: unpublished data                              | Mo        |
| 2 | Kemuk Mountain: Berg and Cobb, 1967,<br>p. 11              | Fe        |
| 3 | Marsh Mountain: Sainsbury and MacKevett,<br>1965, p. 57-66 | <u>Hg</u> |

Placer deposits

Not shown on map because occurrences could not be located closely enough to plot:

Koktuli (Koktalee) River: Martin and Katz, 1912, p. 133	Au
--	----

<sup>1/</sup> Symbols - Cu, copper; Au, gold; Fe, iron; Pb, lead; Hg, mercury; Mo, molybdenum; Ag, silver; Zn, zinc.

<sup>2/</sup> Symbol underlined indicates recorded production.

<sup>3/</sup> Placer Fe shown only if concentration is greater than 100 pounds per cubic yard.

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> <sup>1/</sup> , <sup>2/</sup>
	Lake Nerka: Eakins, 1968, p. 8	Au
	Muklung Hills: Mertie, 1938, p. 91	Au
	Mulchatna River: Martin and Katz, 1912, p. 133	Au
	Stuyahok River: unpublished data	Au

LAKE CLARK QUADRANGLE

Lode deposits

1	Bonanza Creek: Jasper, 1961, p. 61	Au
2	Thompson: Smith, 1915, p. 268; Moxham and Nelson, 1952, p. 3-4	Au, Mo
3-4	Thompson: Moxham and Nelson, 1952, p. 3-4	Cu, Pb, Ag, Zn
5	Kasna Creek: Warfield and Rutledge, 1951; Reed, 1967, p. 13-16	Cu, Fe, Zn

Placer deposits

6	Bonanza Creek: Smith, 1917, p. 136-137; Jasper, 1961, p. 58-64	Au
7	Scynneva Creek: Jasper, 1961, p. 60-61, 64	Au
8	Pass Creek: Jasper, 1961, p. 60-61	Au
9	Portage Creek: Capps, 1935, p. 94	Au

Placer deposits not shown on map because occurrences could not be located closely enough to plot:

Franklin Gulch: Martin and Katz, 1912, p. 126	Au
Ingersoll Gulch: Martin and Katz, 1912, p. 126	Au
Keefer Creek: unpublished data	Au
Kellet Creek: Martin and Katz, 1912, p. 126	Au
Kijik River: Smith, 1915, p. 257	Au
Koksetna River (Caribou Creek): Martin and Katz, 1912, p. 126; Smith, 1915, p. 257	Au

<sup>1/</sup> Symbols - Cu, copper; Au, gold; Fe, iron; Pb, lead; Mo, molybdenum; Ag, silver; Zn, zinc.

<sup>2/</sup> Some gold has probably been produced from most of the listed placers.



<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> <sup>1/</sup> , <sup>2/</sup> , <sup>3/</sup>
	Lincoln Gulch: Martin and Katz, 1912, p. 126	Au
	Mulchatna River: Martin and Katz, 1912, p. 133; unpublished data	Au
	Ptarmigan Creek: Brooks, 1913, p. 44	Au

NAKNEK QUADRANGLE

Placer deposits

1	Keefers (Keeler's) Bar: Mertie, 1938, p. 91	Au
2	Egegik Beach: Berryhill, 1963, p. 28-30	Au, Fe

PORT MOLLER QUADRANGLE

Lode deposits

1	Port Moller: Atwood, 1911, p. 128	Au
2	Balboa Bay: Atwood, 1911, p. 129	Cu
3	Popof Island: Atwood, 1911, p. 125	Au
4	Shumagin: Atwood, 1911, p. 125, 127	Au
5	Sitka: Atwood, 1911, p. 125-127	<u>Au</u> , Pb, Zn
6	Apollo: Becker, 1898, p. 83-85; Atwood, 1911, p. 125-126; Smith, 1933, p. 23	<u>Cu</u> , <u>Au</u> , <u>Pb</u> , <u>Ag</u> , <u>Zn</u>

Placer deposits

7	Nelson Lagoon: Berryhill, 1963, p. 42-45	Fe
8	Port Moller: Berryhill, 1963, p. 39-42	Au, Fe
9	Popof Island: Atwood, 1911, p. 125	Au

Placer deposit not shown on map because occurrence could not be located closely enough to plot:

Unga Island: Brooks, 1912, p. 37	Au
----------------------------------	----

<sup>1/</sup> Symbols - Cu, copper; Au, gold; Fe, iron; Pb, lead; Ag, silver; Zn, zinc.

<sup>2/</sup> Symbol underlined indicates recorded production.

<sup>3/</sup> Some gold has probably been produced from some of the listed placers; placer iron shown only if concentration is greater than 100 pounds per cubic yard.

Number    Name and principal reference(s)    Commodity<sup>1/</sup>, 2/

UNALASKA QUADRANGLE

Lode deposits

- |   |  |                           |
|---|--|---------------------------|
| 1 | Amaknak Island: Drewes and others, 1961,<br>p. 657                                   | Au                        |
| 2 | Pyramid Peak (Captains Bay): Becker, 1898,<br>p. 85; Drewes and others, 1961, p. 657 | Cu, <u>Au</u>             |
| 3 | Sedanka Island: Webber and others, 1946;<br>Drewes and others, 1961, p. 657-658      | Cd, Cu, Au, Pb,<br>Ag, Zn |

Placer deposit

- |   |  |    |
|---|--|----|
| 4 | Makushin River: Drewes and others, 1961,<br>p. 657 | Au |
|---|--|----|

SOURCES OF DATA ON DISTRIBUTION OF GRANITIC ROCKS

Chignik quadrangle: Burk, 1965.  
Cold Bay quadrangle: Burk, 1965; Waldron, 1961, pl. 79.  
Dillingham quadrangle: Platt, J. N., 1956, unpub. compilation.  
Lake Clark quadrangle: data inadequate.  
Naknek quadrangle: data inadequate.  
Port Moller quadrangle: Burk, 1965.  
Unalaska quadrangle: Drewes and others, 1961, pl. 75 (areas shown also include gabbroic border facies).

<sup>1/</sup> Symbols - Cd, cadmium; Cu, copper; Au, gold; Pb, lead; Ag, silver; Zn, zinc.

<sup>2/</sup> Symbol underlined indicates recorded production.

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