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Div. Mines & Minerals

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

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METALLIC MINERAL RESOURCES MAPS OF NINE ALASKA QUADRANGLES

Holy Cross
Kotzebue
Melozitna

Norton Bay
Nulato
Prince Rupert

Survey Pass
Taku River
Unalakleet

Compiled by

Edward H. Cobb

Open-file maps

1968

These maps are preliminary
and have not been edited or
reviewed for conformity with
Geological Survey standards
or nomenclature.

EXPLANATION



Granitic rocks



Mafic and ultramafic rocks

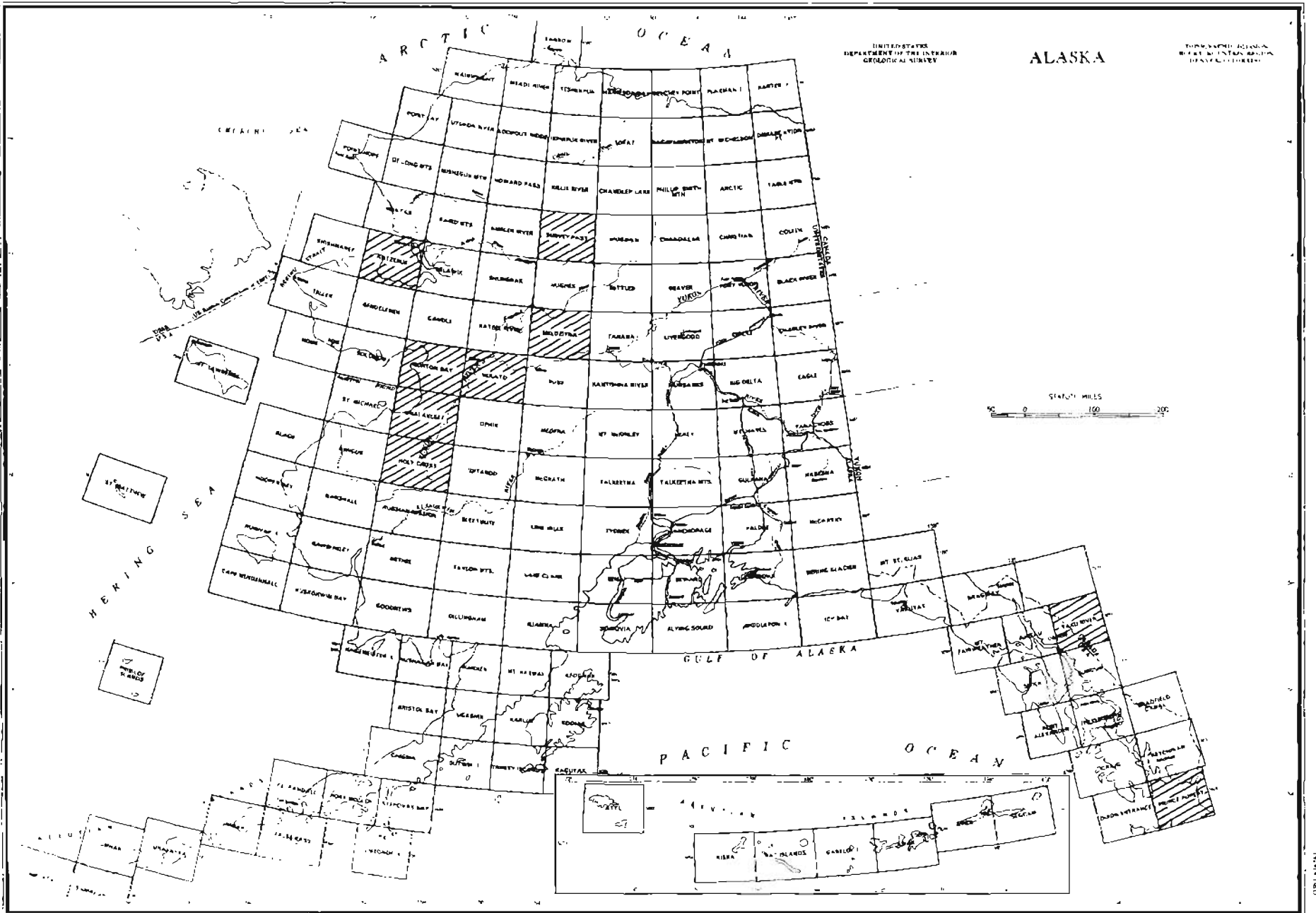


Lode deposit

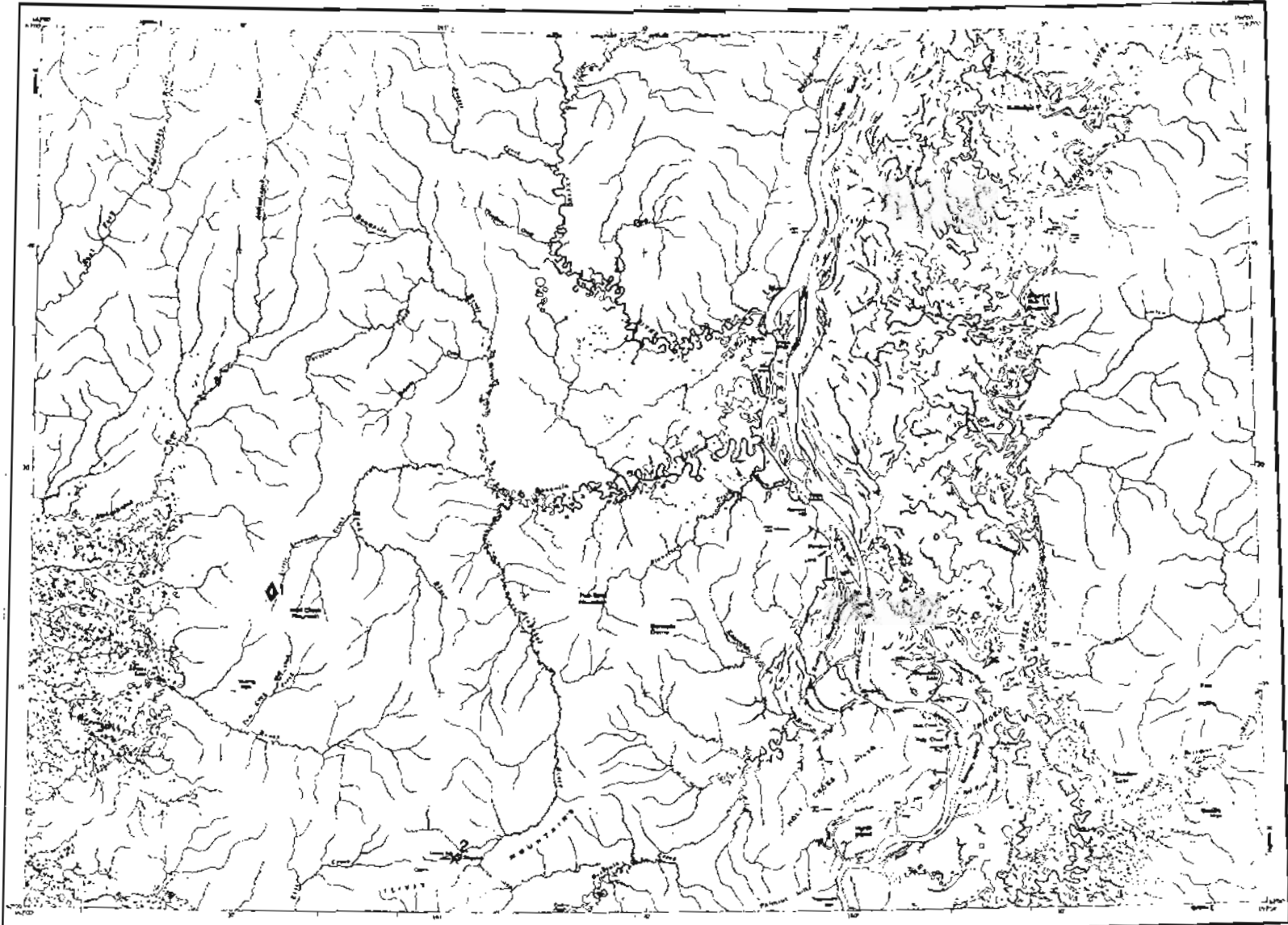


Placer deposit

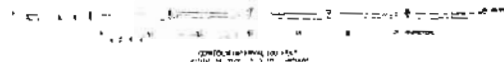
} numbers refer to accompanying lists.



INDEX MAP



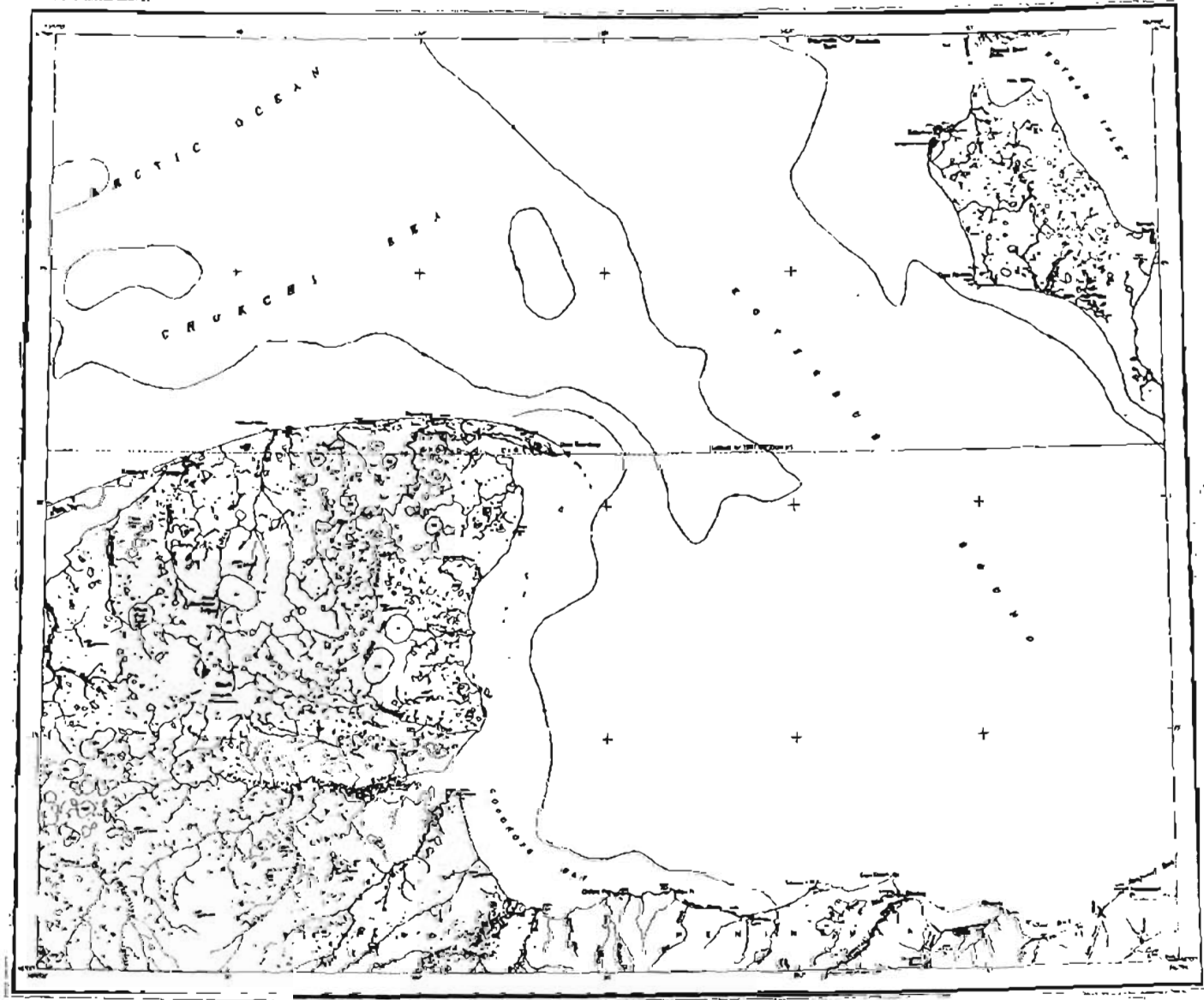
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METALLIC MINERAL RESOURCES MAP OF THE HOLY CROSS QUADRANGLE, ALASKA
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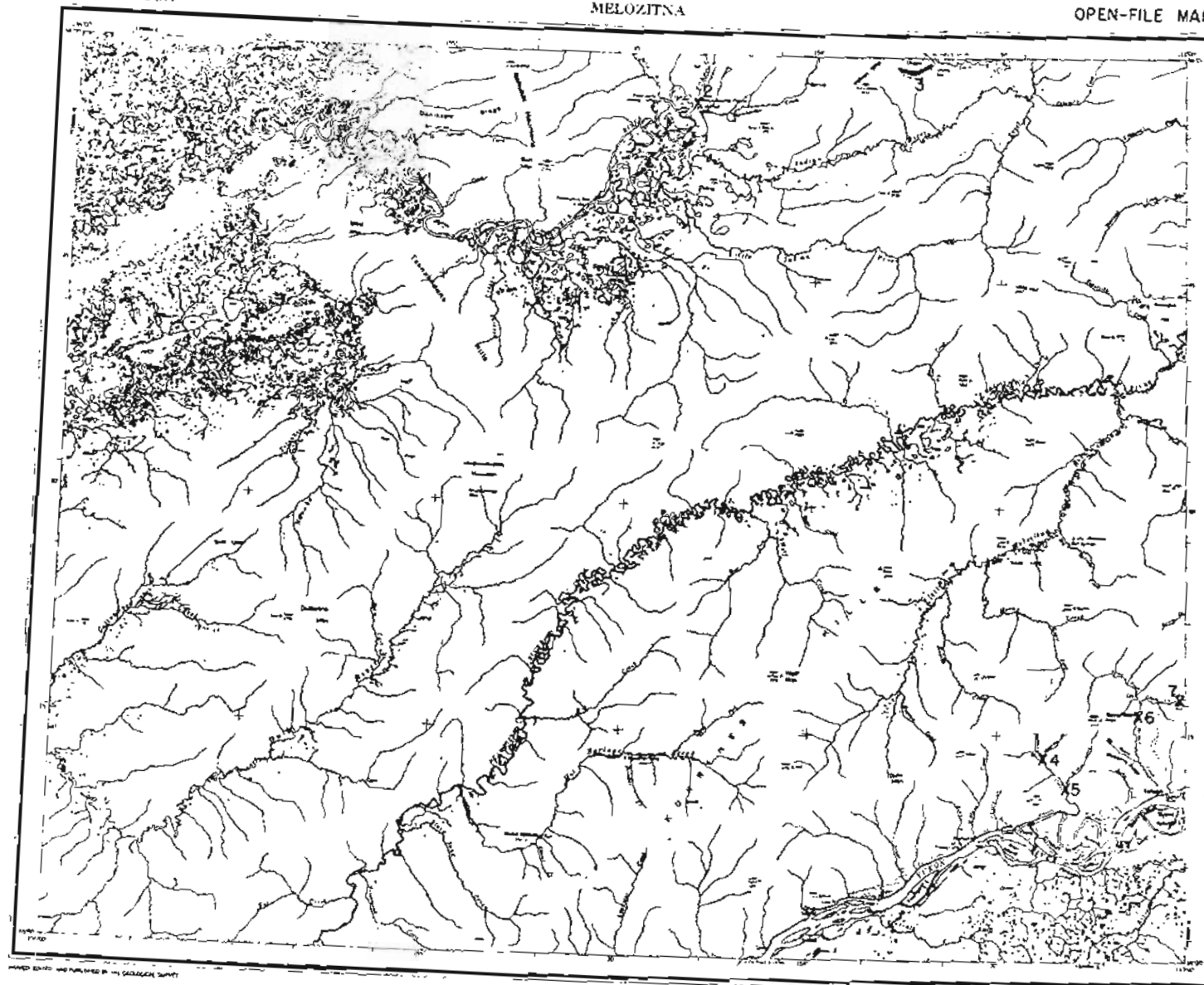
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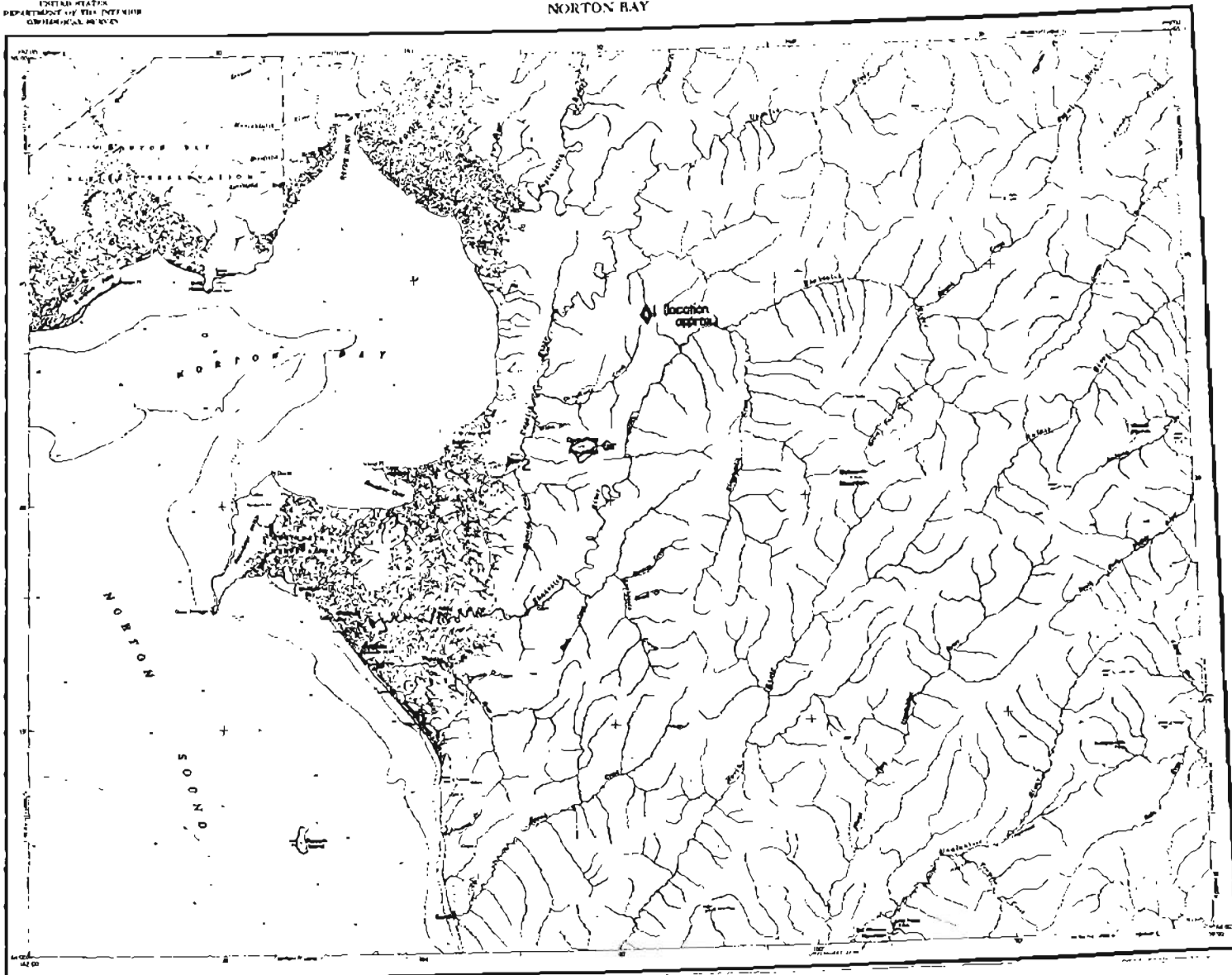
METALLIC MINERAL RESOURCES MAP OF THE KOTZEBUE QUADRANGLE, ALASKA
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METALLIC MINERAL RESOURCES MAP OF THE MELOZITNA QUADRANGLE, ALASKA
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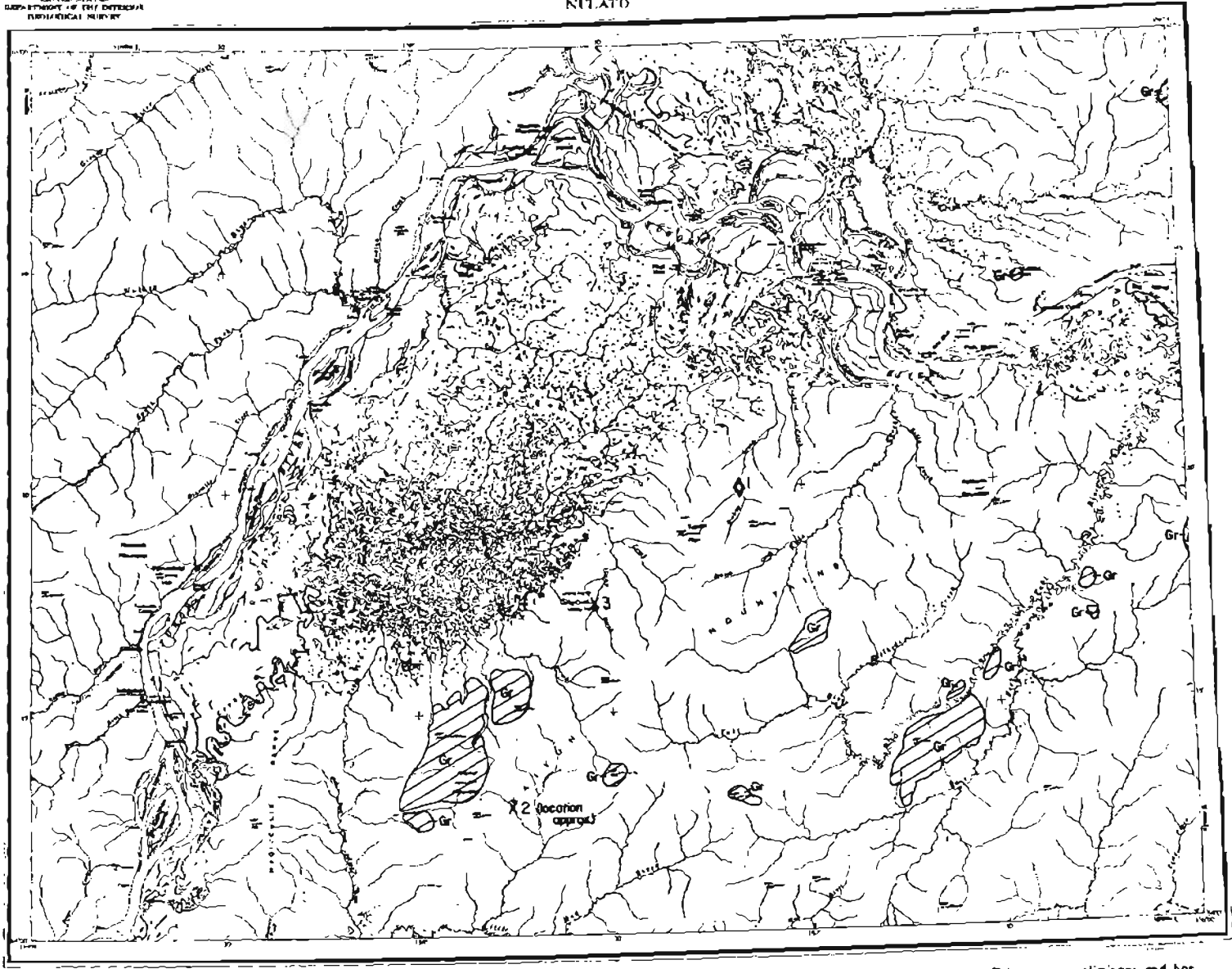
THIS MAP IS PRELIMINARY AND HAS NOT BEEN EDITED OR REVIEWED FOR CONFORMITY WITH GEOLOGICAL SURVEY STANDARDS OR NOMENCLATURE.

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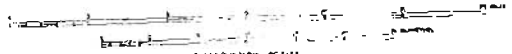
METALLIC MINERAL RESOURCES MAP OF THE NORTON BAY QUADRANGLE, ALASKA
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NULATO



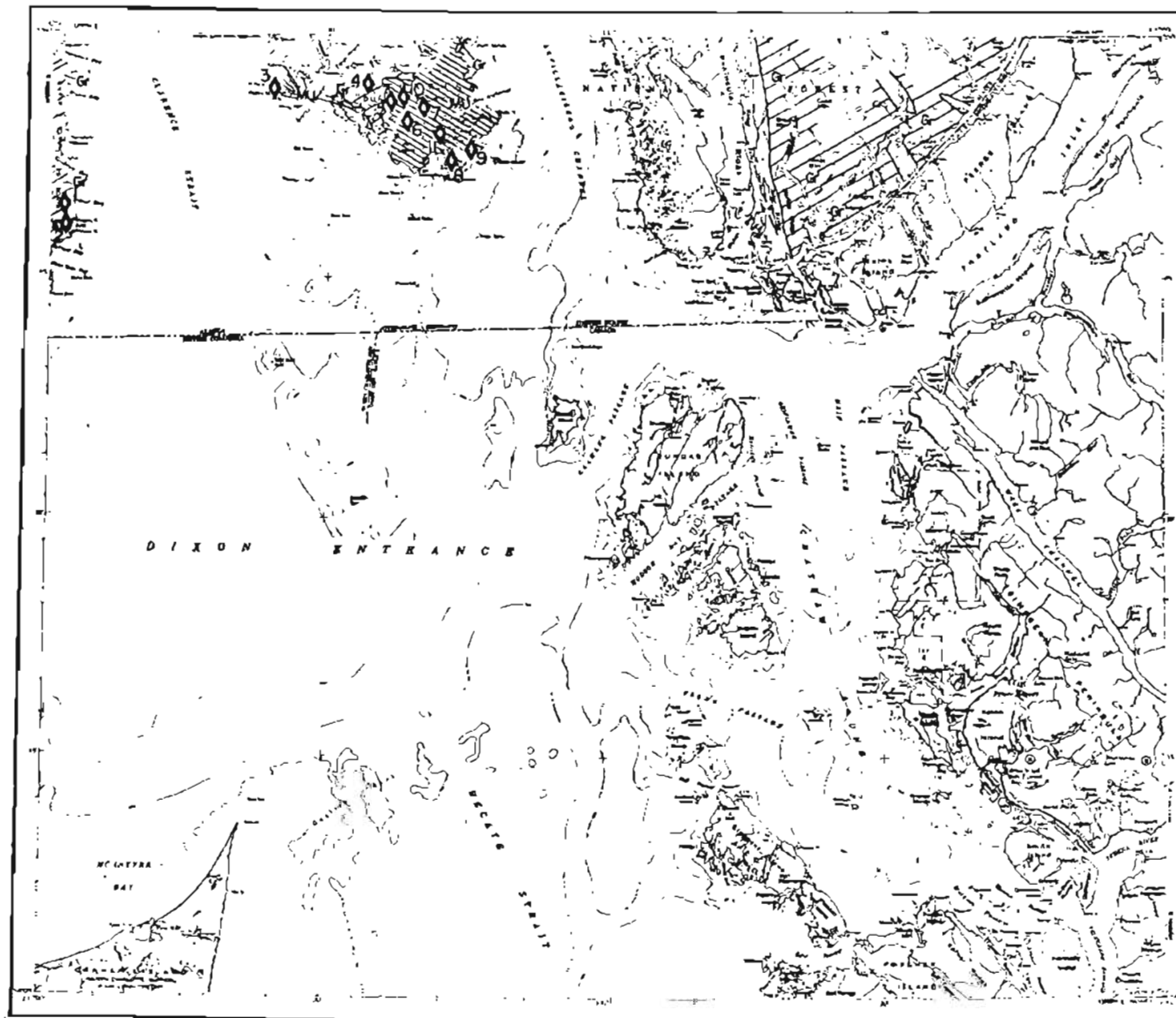
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METALLIC MINERAL RESOURCES MAP OF THE NULATO QUADRANGLE, ALASKA
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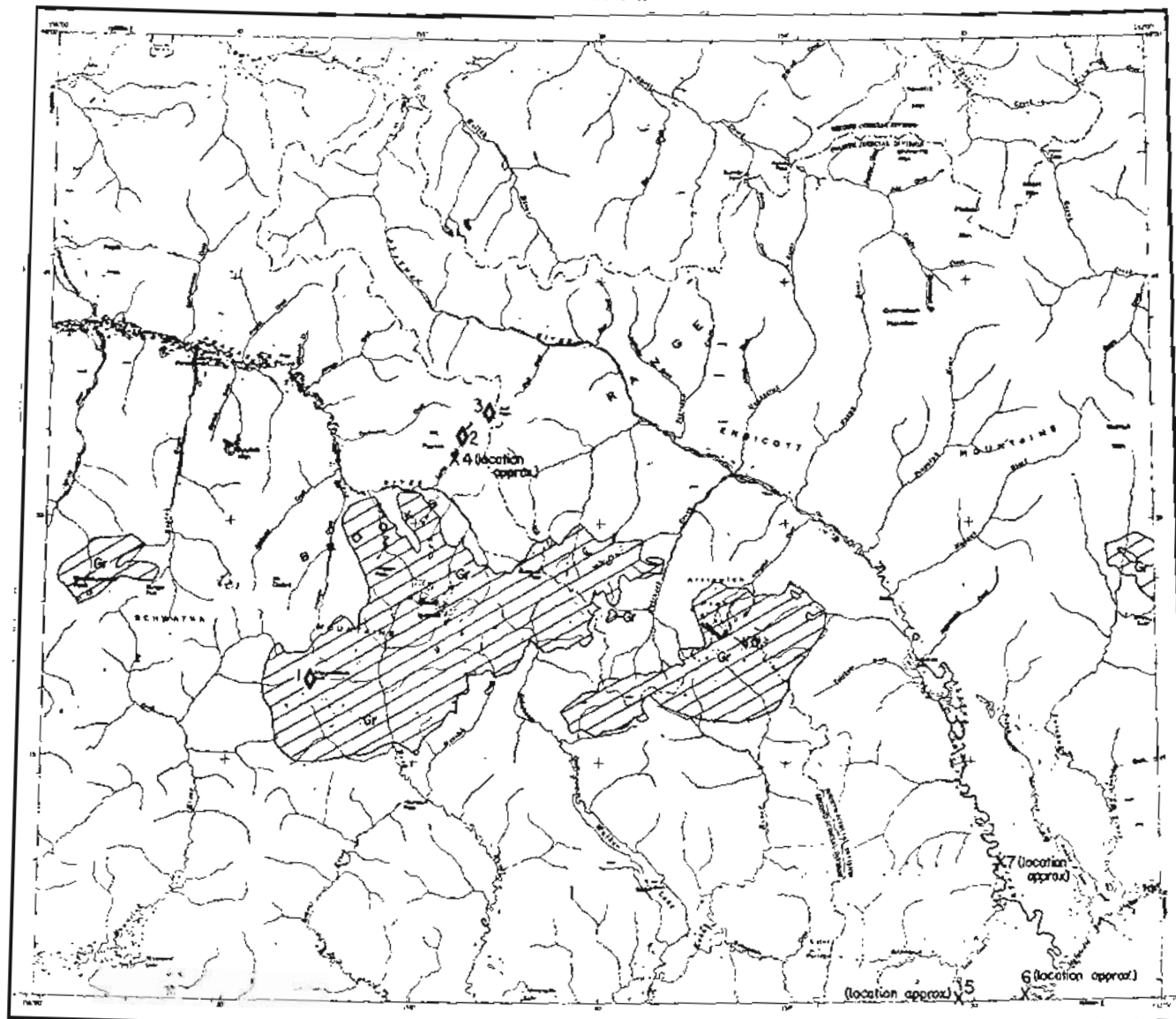
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METALLIC MINERAL RESOURCES MAP OF THE PRINCE RUPERT QUADRANGLE, ALASKA
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ture



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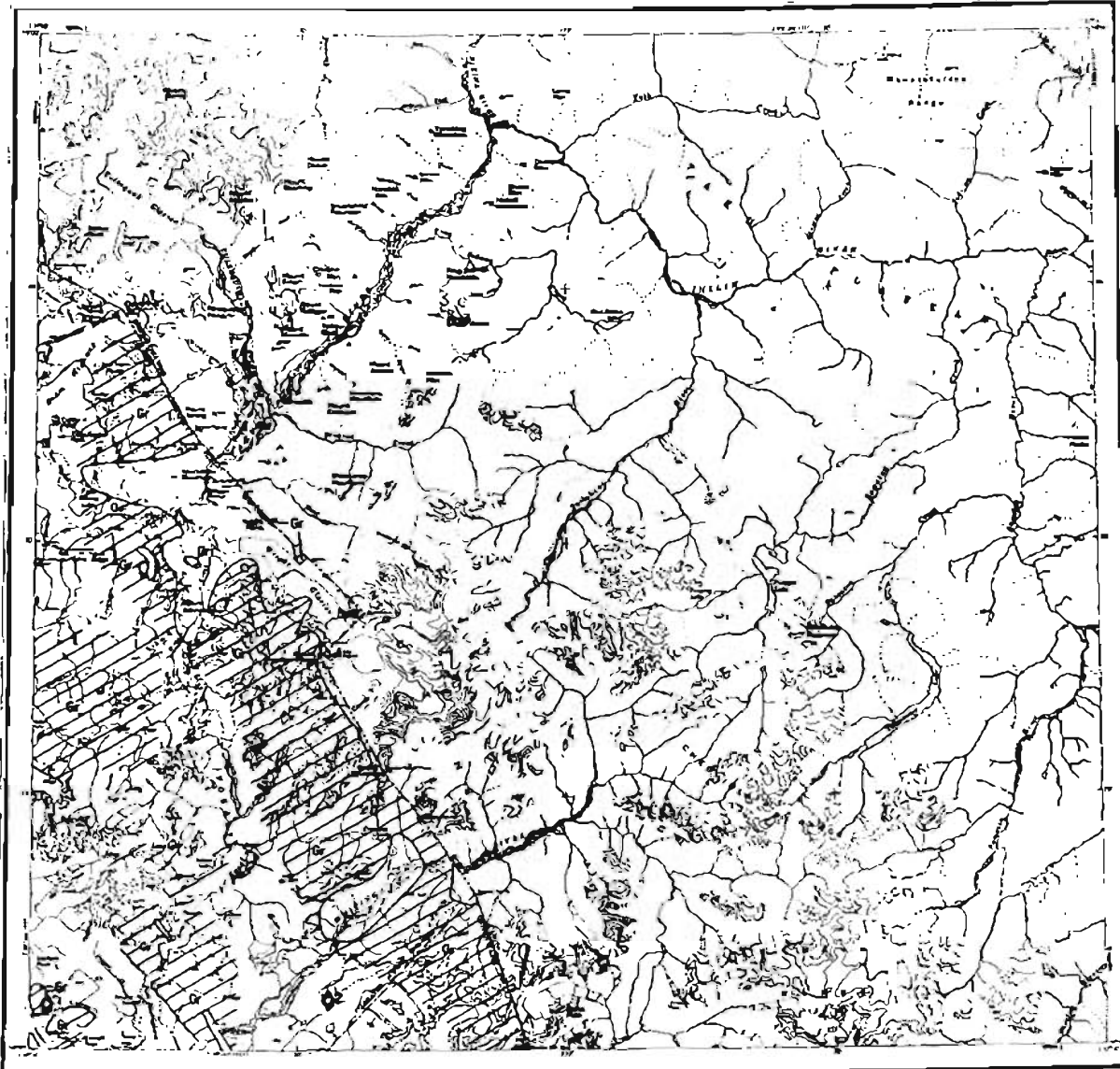
U.S. GEOLOGICAL SURVEY

Scale bar and other technical markings.

METALLIC MINERAL RESOURCES MAP OF THE SURVEY PASS QUADRANGLE, ALASKA

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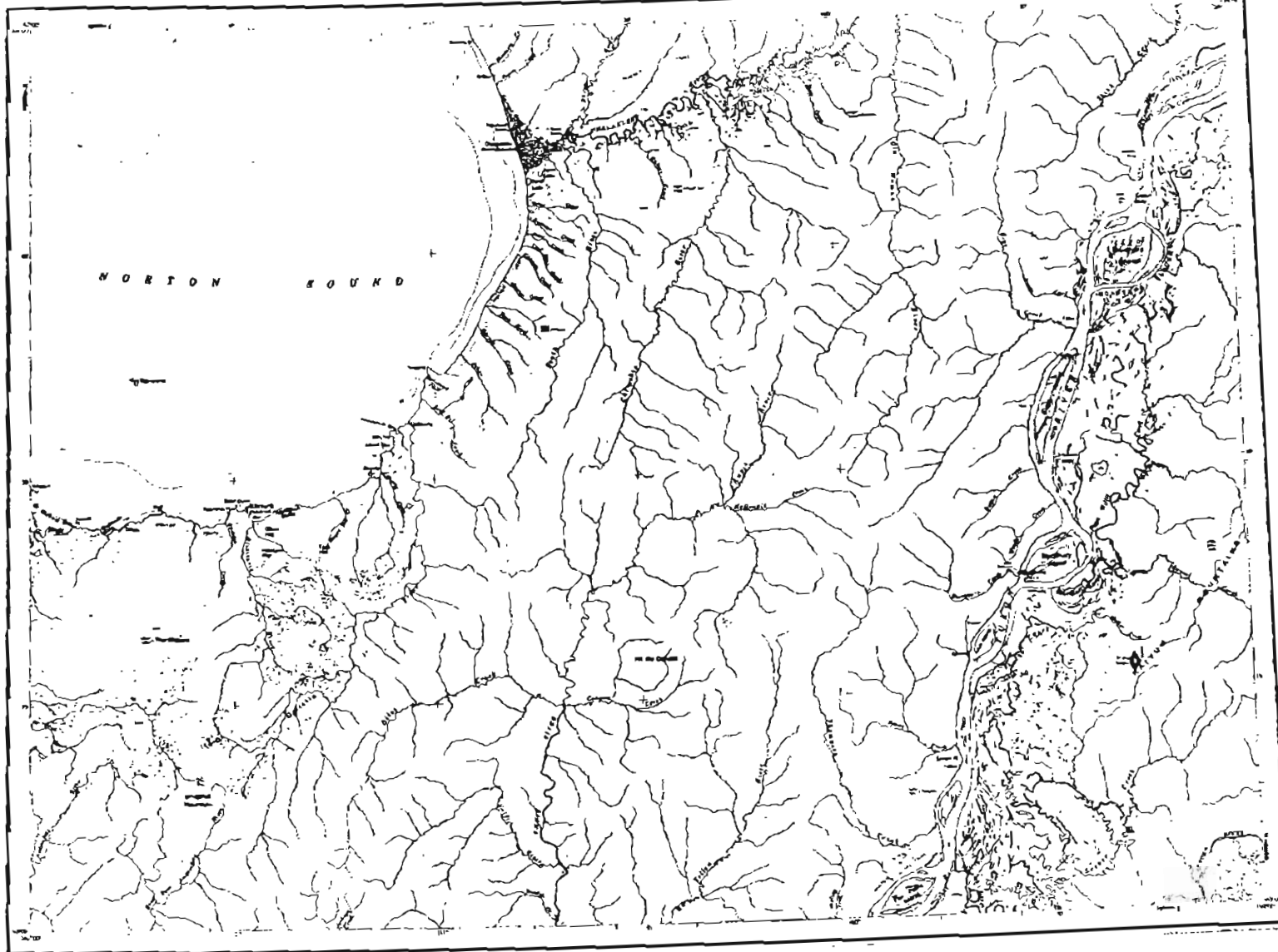
Scale 1:50,000 and may vary in the localities shown.

METALLIC MINERAL RESOURCES MAP OF THE TAKU RIVER QUADRANGLE, ALASKA
Compiled by Edward H. Coob
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UNALAKLEET

THIRD STATE
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



UNITED STATES GEOLOGICAL SURVEY

METALLIC MINERAL RESOURCES MAP OF THE UNALAKLEET QUADRANGLE, ALASKA
 Compiled by Edward H Cobb
 1968

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

HOLY CROSS QUADRANGLE

Lode deposit

1 Wolf Creek Mountain: U.S. Geological Survey (1963), p. A5 Sb, Hg

Placer deposit

2 Stuyahok River (Flat Creek): Smith (1941), p. 47;
 Joesting (1942), p. 27 Au, Hg

KOTZEBUE QUADRANGLE

Placer deposit

1 Alder Creek and Beach: Mendenhall (1902), p. 51; Smith
 (1930), p. 34 Au

MELOZITNA QUADRANGLE

Placer deposits

1 Batza Slough: Miller and Ferrians (1968), p. 6 Cu, Pb, Ag
 2 Florence Bar: Smith (1913), p. 142 Au
 3 Utopia Creek: Smith (1942), p. 47; Miller and Ferrians
 (1968), p. 3, 5 Au, Pb, Ag, Zn
 4-5 Mason Creek: Chapman, Coats, and Payne (1963), p. 33-35 Au, Sn
 6 Illinois Creek: Eakin (1913), p. 34; Chapman, Coats, and
 Payne (1963), p. 16 Au
 7 Golden Creek: Chapman, Coats, and Payne (1963), p. 16 Au

NORTON BAY QUADRANGLE

Lode deposit

1 Moon: Anderson (1947), p. 13 Sb

1/ Symbols - Sb, antimony; Cu, copper; Au, gold; Pb, lead; Hg, mercury; Ag,
 silver; Sn, tin; Zn, zinc.

2/ Gold has been produced from most of the listed placers.

Number Name and principal reference(s) Commodity 1/, 2/, 3/

NORTON BAY QUADRANGLE
(Cont.)

Placer deposits

- | | | |
|---|--|-----------|
| 2 | Bonanza Creek: Smith and Eakin (1911), p. 105-107;
Martin (1920), p. 50 | Sb, Au, W |
| | Ungalik River: Smith and Eakin (1911), p. 108; Smith
(1942), p. 60-61 | Au |
| | Not shown on map; occurrence could not be located closely enough to plot: | |
| | Hopeful Gulch: Anderson (1947), p. 18, 45 | Bi, W |

NULATO QUADRANGLE

Lode deposits

- | | | |
|---|--|-----------------------|
| 1 | Perseverance: Mertie (1937), p. 174-175; Berg and Cobb
(1967), p. 228 | <u>Pb</u> , <u>Ag</u> |
| | Valley: Mertie (1937), p. 175; Berg and Cobb (1967),
p. 228 | <u>Pb</u> , <u>Ag</u> |

Placer deposits

- | | | |
|---|--|----|
| 2 | Kluklaklatna (Little Mud) River: Maddren (1910), p. 23;
Mertie (1937), p. 173 | Au |
| 3 | Tlatskokot (Camp Creek): Cass (1959b) | Au |

PRINCE RUPERT QUADRANGLE

Lode deposits

- | | | |
|-------|--|---|
| 1 | Nelson & Tift: Smith (1939), p. 21; MacKevett (1963),
p. 99-100 | <u>Cu</u> , <u>Au</u> , <u>Pb</u> , <u>Ag</u> |
| 2 | Gardner Bay: MacKevett (1963), p. 93-94 | FM |
| 3 | Percy Islands: Taylor and Noble (1960), p. 181 | Fe |
| 4-8 | Duke Island: Irvine (1959), 320 p. | Fe |
| 9 | Duke Island: Irvine (1959), p. 82 | Cu, Ni |
| 10-11 | Duke Island: Irvine (1959), p. 57-58, 182-183 | Cr |

1/ Symbols - Sb, antimony; Bi, bismuth; Cr, chromite; Cu, copper; FM, fissionable materials (other than monazite); Au, gold; Fe, iron; Pb, lead; Ni, nickel; Ag, silver; W, tungsten.

2/ Gold has been produced from most of the listed placers.

3/ Symbol underlined indicates recorded production.

Number Name and principal reference(s)

Commodity 1/, 2/, 3/

SURVEY PASS QUADRANGLE

Lode deposits

1	Angunelechak Pass: Smith (1913), p. 150	Ag
2	Lucky Six Creek: Anderson (1947), p. 32	Ag
3	Lucky Six: Smith and Mertie (1930), p. 337-338, 342	Sb, Cu, Au

Placer deposits

4	Lucky Six Creek: Smith (1912), p. 335-336; Brooks (1925), p. 51	Au
5	Helpejack Creek: Mendenhall (1902), p. 50	Au
6-7	Alatna River: Smith (1913), p. 143; Smith and Mertie (1930), p. 334-335	Au

TAKU RIVER QUADRANGLE

Lode deposits

1	Limestone Inlet (Arizona, Enterprise, Montana): Wright (1909), p. 72; Eakin (1918), p. 77-78	Cu, <u>Au</u> , Pb, Zn
2	Whiting River (Lost Charlie Ross): Buddington (1925), p. 135-136	Cu, Pb, Ag, Zn

UNALAKLEET QUADRANGLE

Lode deposit

1	McLeod: West (1954), p. 9-10	Mo
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1/ Symbols - Sb, antimony; Cu, copper; Au, gold; Pb, lead; Mo, molybdenum; Ag, silver; Zn, zinc.

2/ Gold probably has been produced from the listed placers.

3/ Symbol underlined indicated recorded production.

SOURCES OF DATA ON DISTRIBUTION OF IGNEOUS ROCKS

Norton Bay quadrangle: Cass (1959a).

Milato quadrangle: Cass (1959b).

Prince Rupert quadrangle: Buddington and Chapin (1929), pl.1; Irvine (1959), pl. 1; MacKevett (1963), pl. 1; Taylor and Noble (1960), fig. 2.

Survey Pass quadrangle: Brosgè, W. P., written communication, Feb. 21, 1968.

Taku River quadrangle: Buddington and Chapin (1929), pl. 1; Kerr (1931), fig. 4; Miller (1962), pl. 7; Flafker (1962), fig. 24.

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