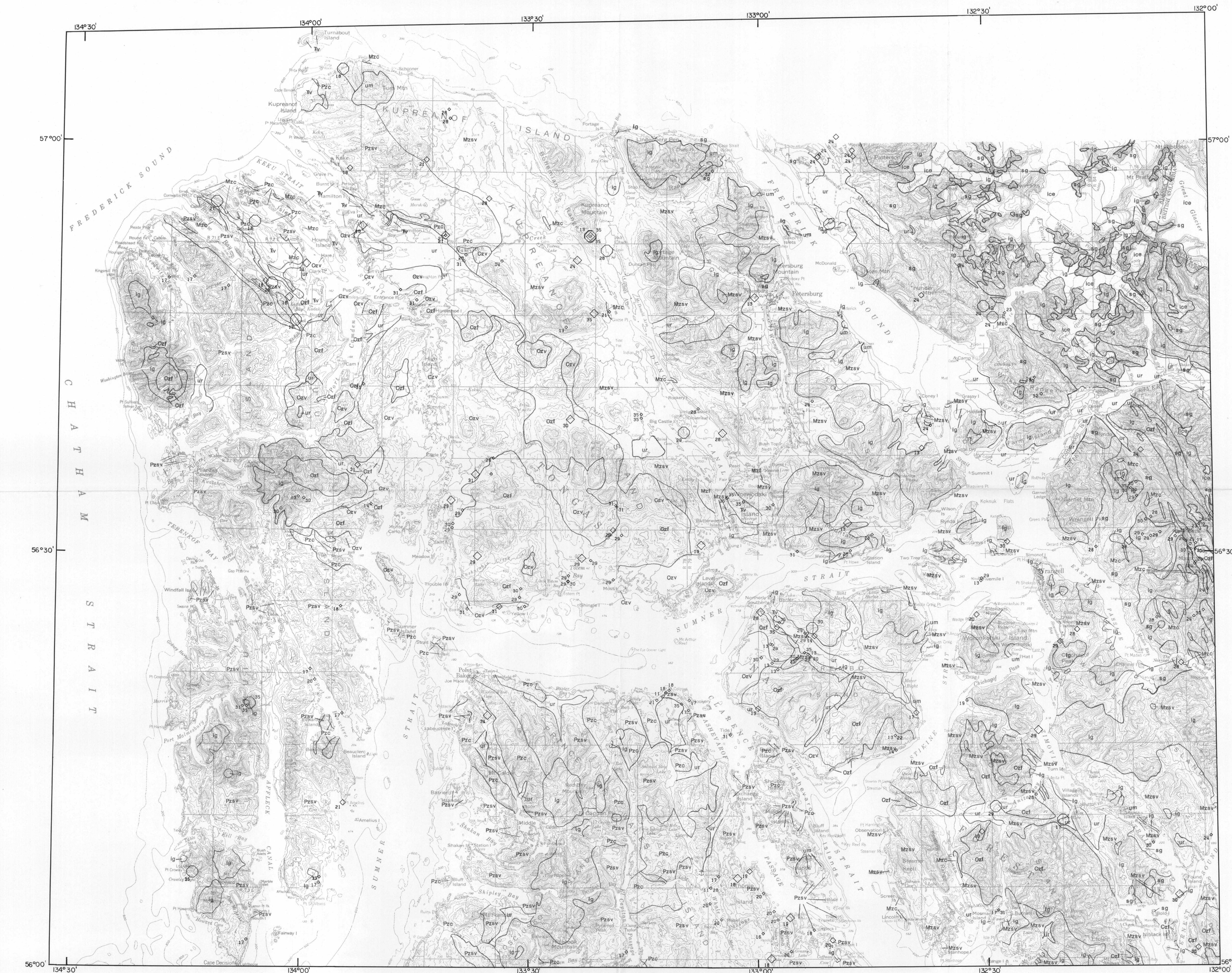


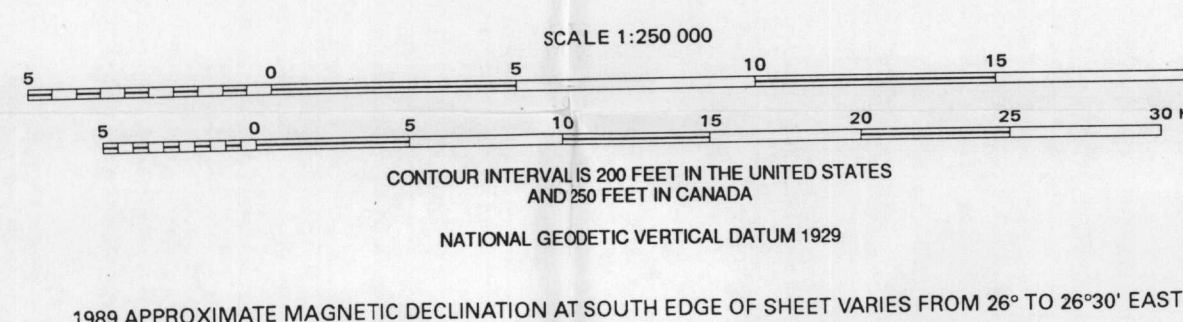
MAP A—NICKEL



MAP B—ZINC

Base from U.S. Geological Survey,
Port Alexander, Sitka, 1951;
Petersburg, 1950; Seward, 1961
Universal Transverse Mercator projection

Geology generalized from Brew and others (1984)
Manuscript approved for publication, September 26, 1989



EXPLANATION

Threshold level

- Level 1—Rock samples that have values between the 95th and 97th percentiles
- ◇ Level 2—Rock samples that have values between the 97th and 98th percentiles
- ◇ Level 3—Rock samples that have values between the 98th and 99th percentiles
- Level 4—Rock samples that have values at or above the 99th percentile

Rock type

11	Unidentified rock	24	Schist
12	Sedimentary rock	25	Quartzite
13	Metamorphic rock	26	Marble
14	Igneous rock	27	Skarn
15	Sandstone	28	Phyllite or slate
16	Conglomerate	29	Felsic igneous rock
17	Siltstone	30	Intermediate-composition igneous rock
18	Shale	31	Mafic igneous rock
19	Claystone	32	Ultramafic igneous rock
20	Limestone	33	Feldspathoidal rock
21	Limestone, dolomite	34	Other
22	Carbonate rock	35	Chert or jasperoid
23	Gneiss		

EXPLANATION

Bedrock geochemical group—See text, page 6

ur	Miscellaneous unmineralized rocks and Quaternary deposits, undivided	Group 12
Caf	Felsic igneous rocks (Cenozoic)	Group 11
ig	Intermediate-composition igneous rocks (Cenozoic and Mesozoic)	Group 10
Czv	Mafic igneous rocks (Cenozoic)	Group 9
um	Ultramafic rocks (Cenozoic)	Group 8
sg	Schist and gneiss of the Coast plutonic-metamorphic complex of Brew and Ford (1984)	Group 7
Mzsv	Sedimentary and volcanic rocks (Mesozoic)	Group 6
Mzc	Carbonate rocks (Mesozoic)	Group 5
Mzf	Felsic volcanic rocks (Mesozoic)	Group 4
Trv	Mafic volcanic rocks (Triassic)	Group 3
Pzc	Carbonate rocks (Paleozoic)	Group 2
Pzsv	Sedimentary and volcanic rocks (Paleozoic)	Group 1

— Contact

DISTRIBUTION OF THRESHOLD LEVELS FOR ROCK GEOCHEMICAL SAMPLES

MAPS AND PRELIMINARY INTERPRETATION OF ANOMALOUS ROCK GEOCHEMICAL DATA FROM THE PETERSBURG QUADRANGLE AND PARTS OF THE PORT ALEXANDER, SITKA, AND SUMDUM QUADRANGLES, SOUTHEASTERN ALASKA

By
S.M. Karl and R.D. Koch
1990