

EXPLANATION

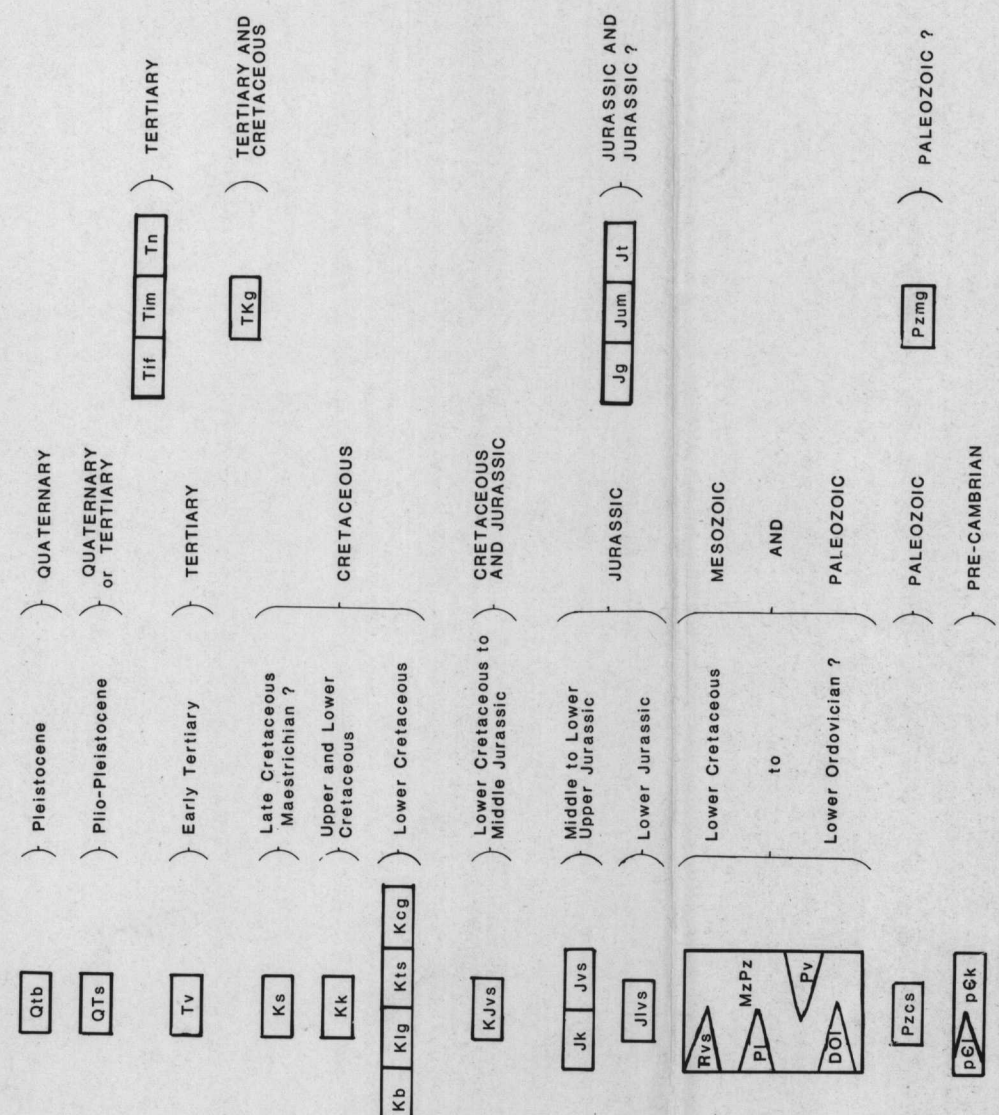
GEOLOGY GENERALIZED FROM HOWE AND COONRAD (1978)

CORRELATION OF MAP UNITS

SUPRACLASTIC DEPOSITS

INTRUSIVE ROCKS

IGNEOUS, SEDIMENTARY, AND METAMORPHIC ROCKS



DESCRIPTION OF MAP UNITS

SEDIMENTARY ROCKS

IGNEOUS, METAMORPHIC, AND METASOMATIC ROCKS

TECTONIC UNITS

- Quaternary: Alluvium, colluvium, and other recent deposits.
- Tertiary: Tertiary deposits, including sandstone, shale, and limestone.
- Paleogene: Paleogene deposits, including sandstone, shale, and limestone.
- Mesozoic: Mesozoic deposits, including sandstone, shale, and limestone.
- Paleozoic: Paleozoic deposits, including sandstone, shale, and limestone.
- Precambrian: Precambrian rocks, including gneiss, schist, and quartzite.

- Igneous rocks: Granite, diorite, and other intrusive rocks.
- Metamorphic rocks: Schist, gneiss, and other metamorphic rocks.
- Metasomatic rocks: Vein quartz, and other metasomatic rocks.

- Tectonic units: Fault zones, and other tectonic features.

GEOLOGIC SYMBOLS

- Geologic symbols: Symbols for various geological features, including faults, folds, and unconformities.

GEOCHEMICAL SYMBOLS

- Geochemical symbols: Symbols for various chemical elements and compounds.

- Geochemical symbols: Symbols for various chemical elements and compounds.

ABUNDANCE

- Abundance: Symbols for various abundance levels.

DISCUSSION OF GEOCHEMISTRY

The two sheets comprising this report show the distribution and abundance of mercury as geochemically determined in various sample areas in the Goodnews and Hagemeister Island quadrangles region.

The first histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Goodnews Island area.

The second histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Hagemeister Island area.

The third histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Goodnews Island area.

The fourth histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Hagemeister Island area.

The fifth histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Goodnews Island area.

The sixth histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Hagemeister Island area.

The seventh histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Goodnews Island area.

The eighth histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Hagemeister Island area.

The ninth histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Goodnews Island area.

The tenth histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Hagemeister Island area.

The eleventh histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Goodnews Island area.

The twelfth histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Hagemeister Island area.

The thirteenth histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Goodnews Island area.

The fourteenth histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Hagemeister Island area.

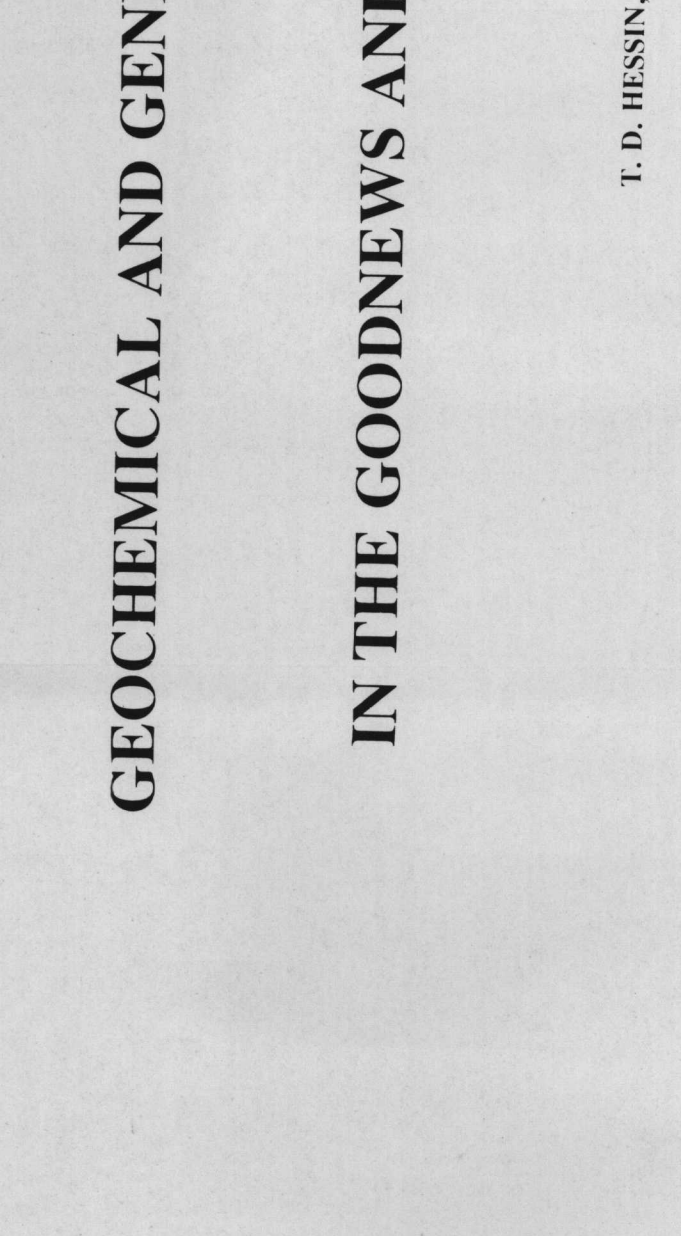
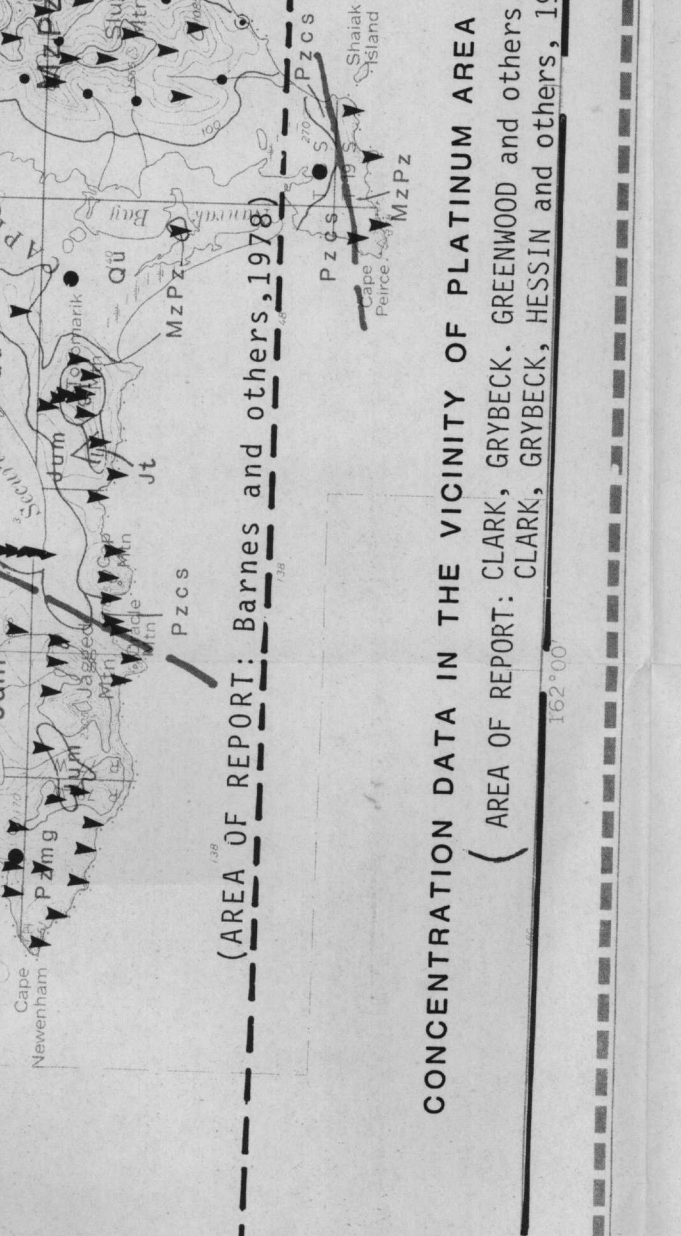
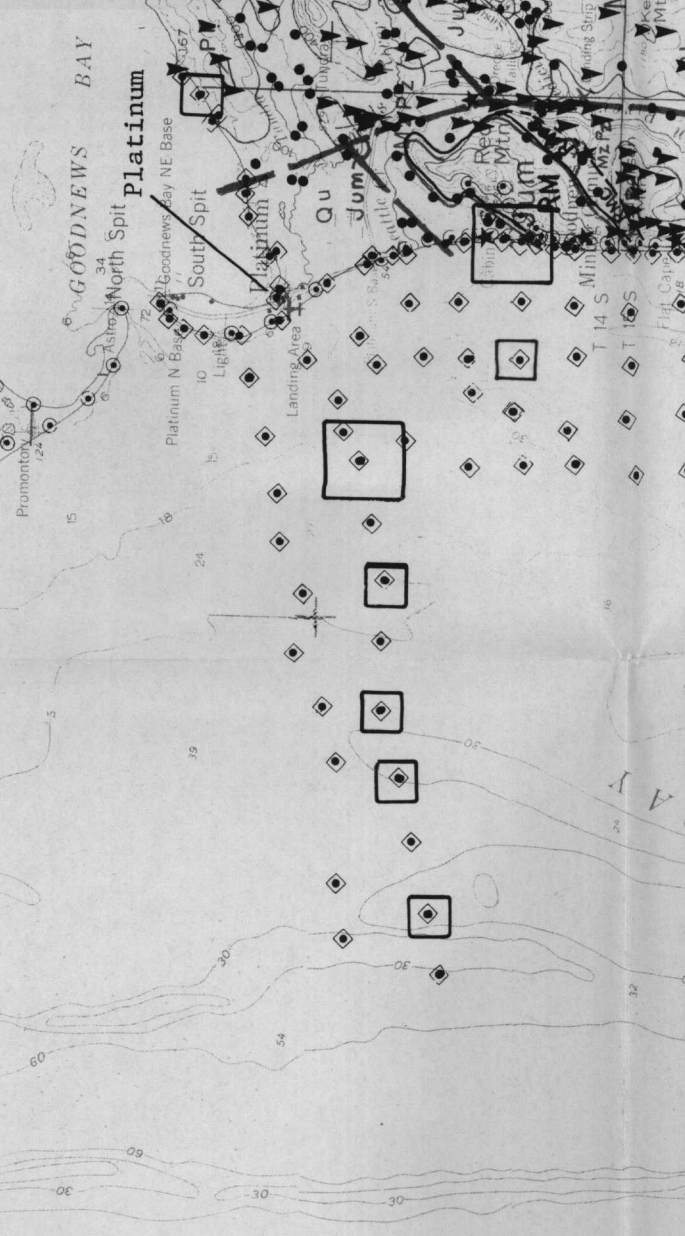
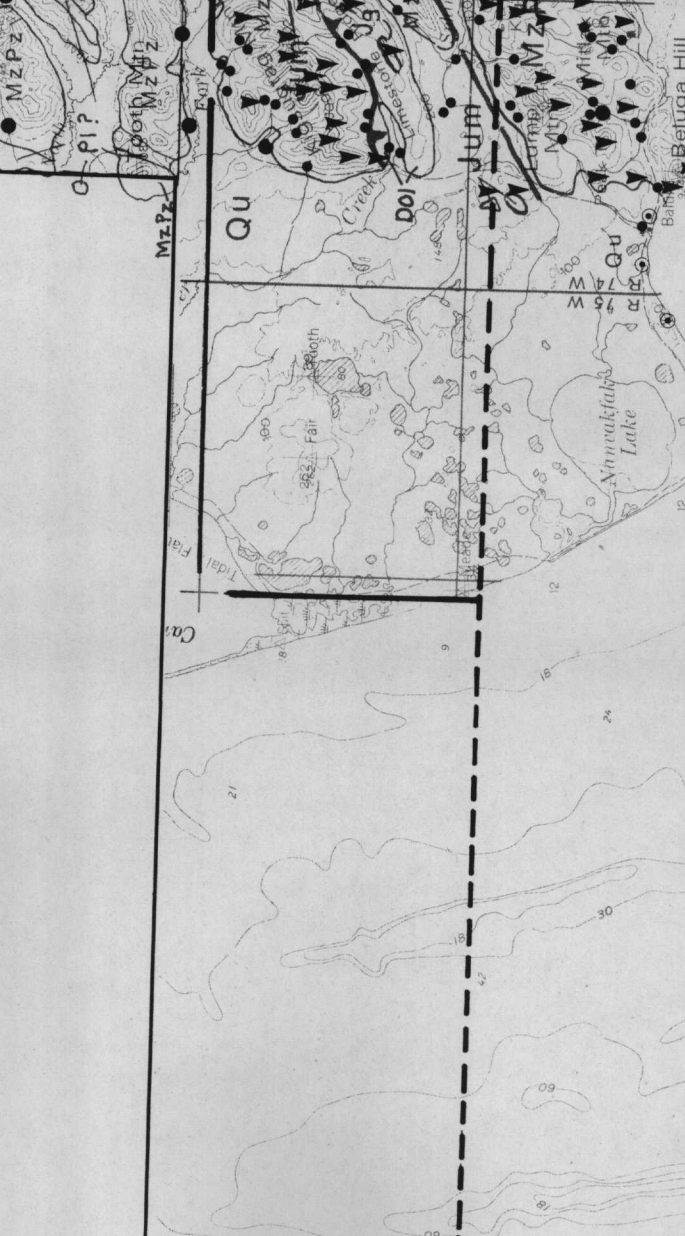
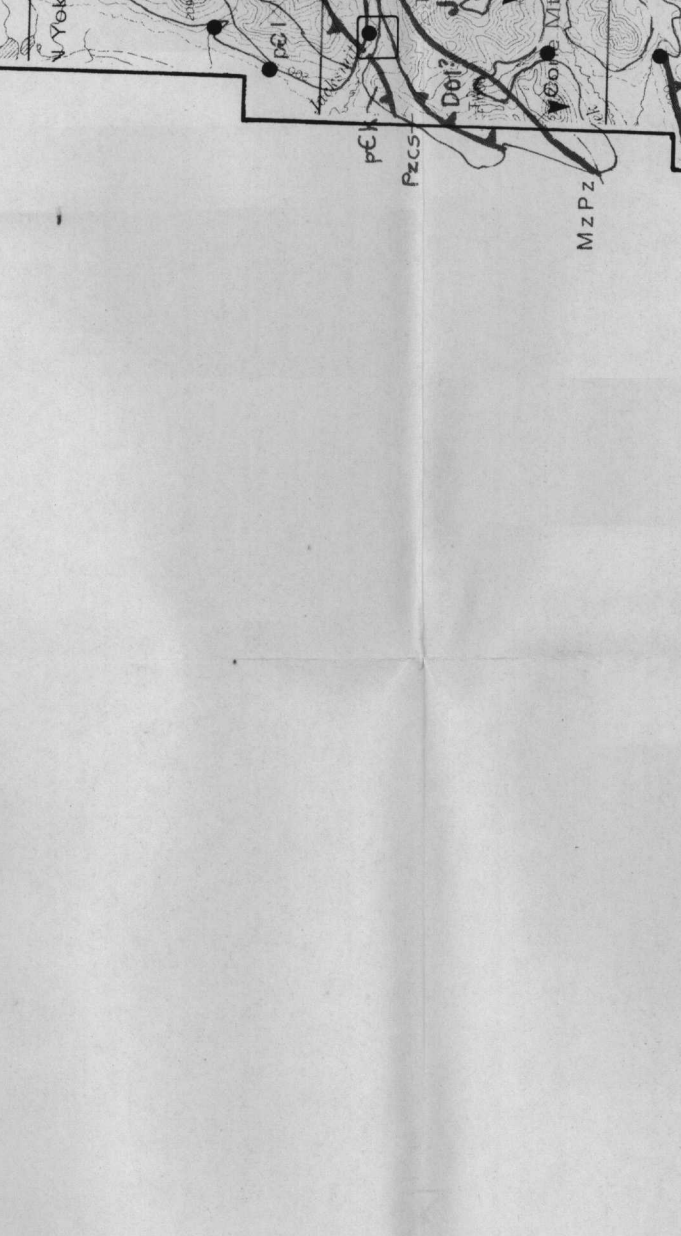
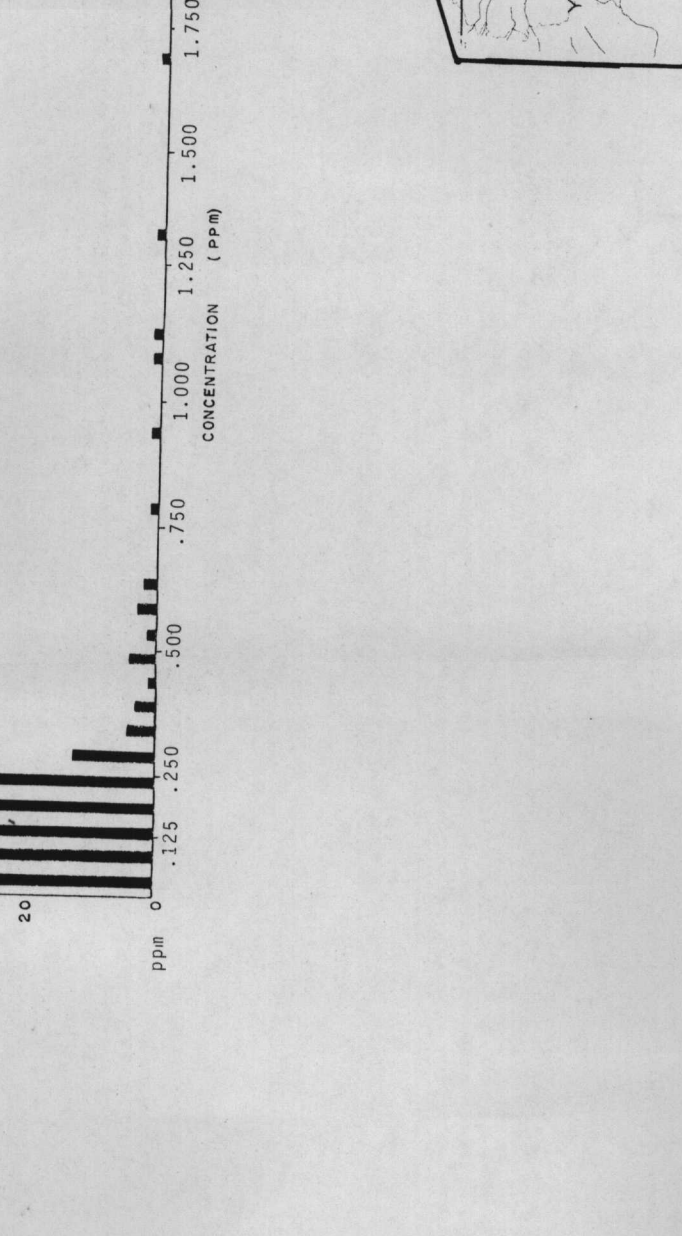
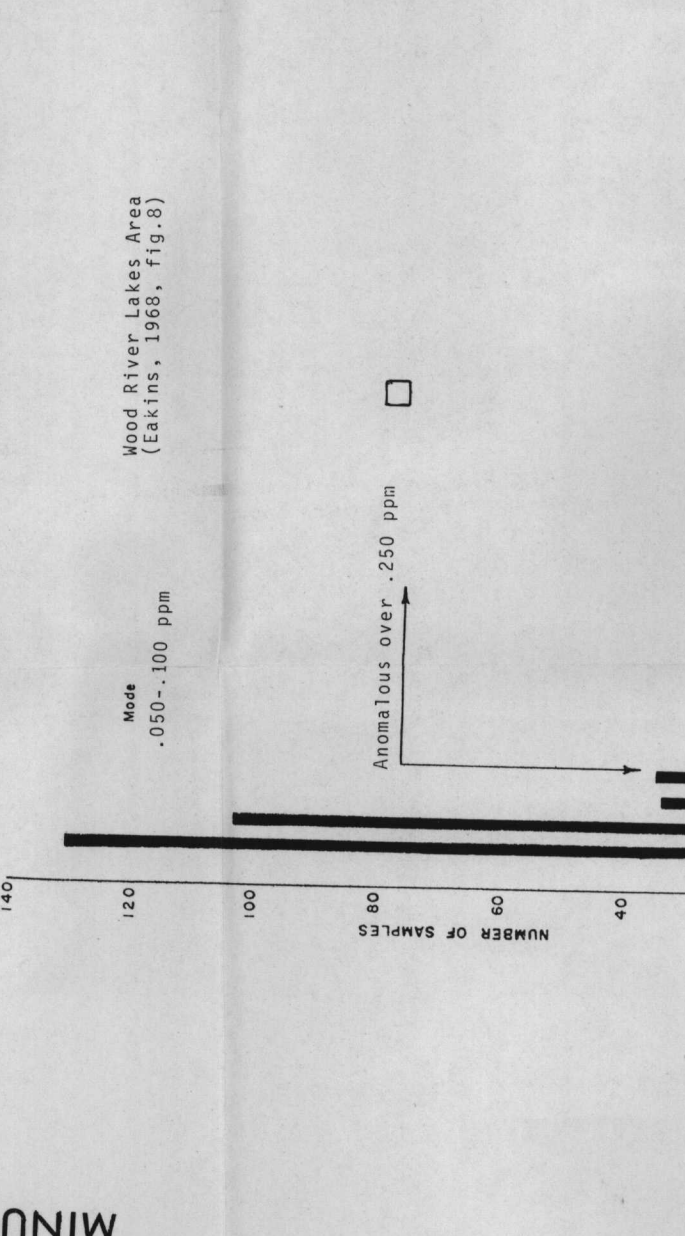
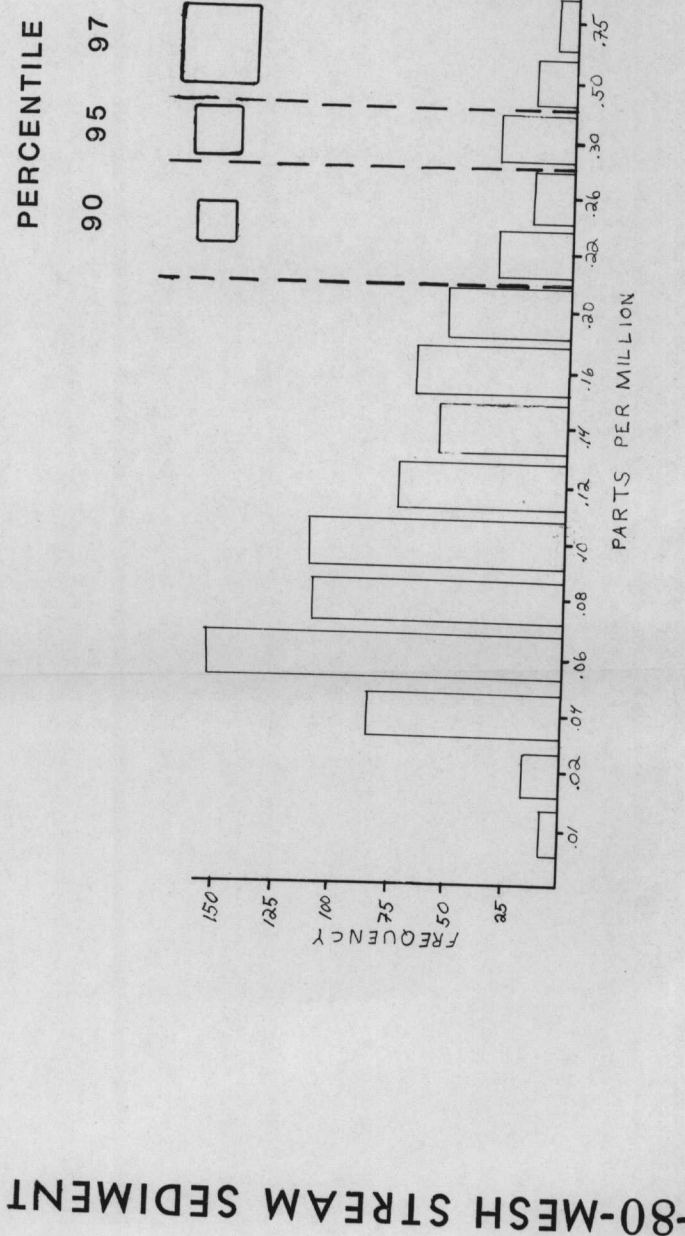
The fifteenth histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Goodnews Island area.

The sixteenth histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Hagemeister Island area.

The seventeenth histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Goodnews Island area.

The eighteenth histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Hagemeister Island area.

The nineteenth histogram on sheet 1, based on 100 samples, shows the distribution of mercury in the Goodnews Island area.



GEOCHEMICAL AND GENERALIZED GEOLOGICAL MAP SHOWING DISTRIBUTION AND ABUNDANCE OF MERCURY
IN THE GOODNEWS AND HAGEMEISTER ISLAND QUADRANGLES REGION, SOUTHWESTERN ALASKA

BY
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