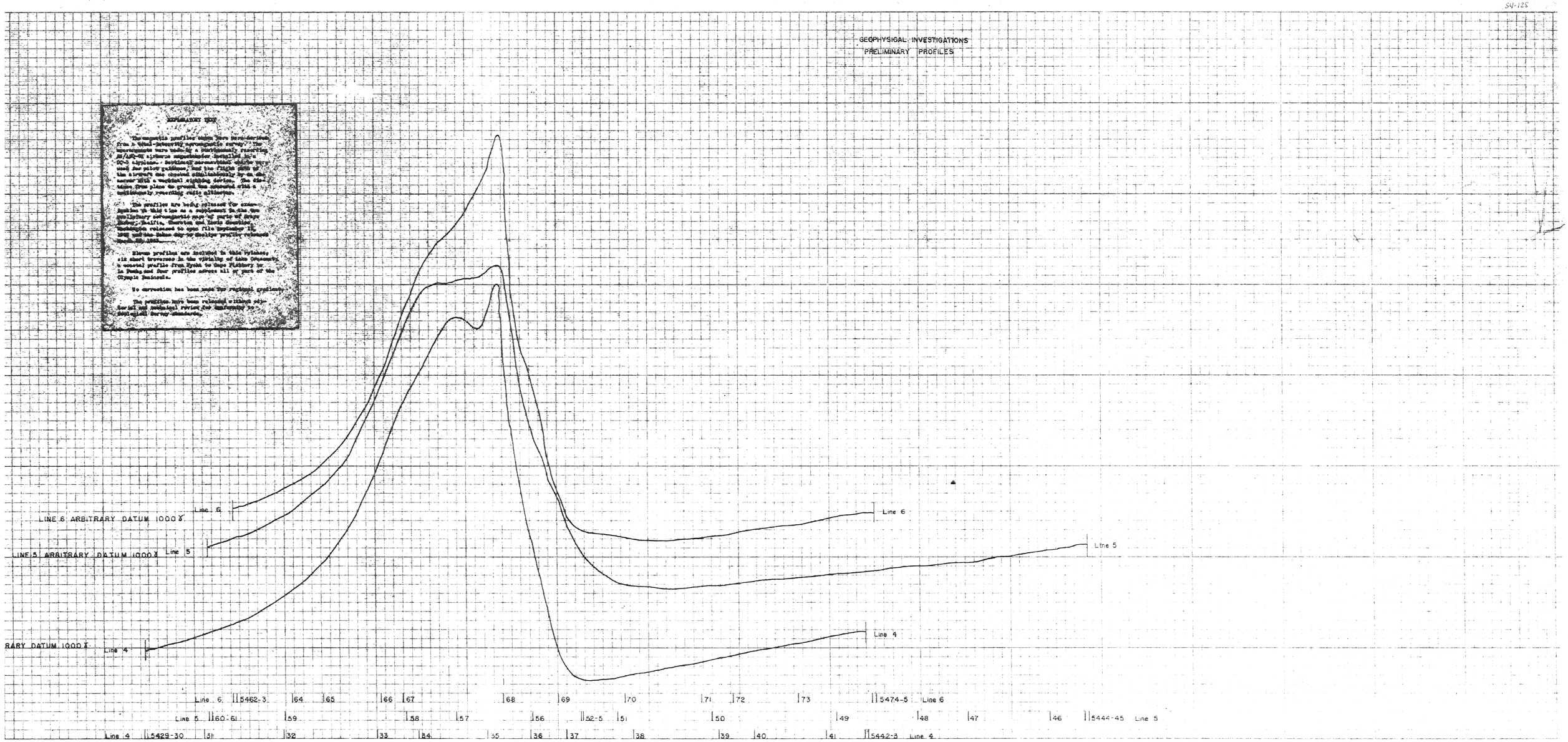
54-125

GEOPHYSICAL INVESTIGATIONS
PRELIMINARY PROFILES



EXPLANATORY TEXT

The magnetic profiles shown here were derived from a total-intensity aeromagnetic survey. The measurements were made by a horizontally recording AN/ASQ-3E airborne magnetometer installed in a DC-3 airplane. Sectional aeronautical charts were used for pilot guidance, and the flight path of the aircraft was located simultaneously by an observer with a sextantal sighting device. The elevation from place to ground was measured with a continuously recording radio altimeter.

The profiles are being released for examination in this form as a supplement to the preliminary aeromagnetic maps of parts of Grays Harbor, Pacific, Thurston and Lewis Counties, Washington released to open file September 12, 1962 and the same day as the profiles released March 20, 1963.

Eleven profiles are included in this release; six short traverses in the vicinity of Lake Quinault, a coastal profile from Ryder to Cape Flattery by way of Pacific and four profiles across all or part of the Olympic Peninsula.

No correction has been made for regional gradients.

The profiles have been released without editorial and technical review for conformity to geological survey standards.