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Interpreted seismic lines in southwestern National Petroleum Reserve in Alaska showing structures associated with the Carbon Creek fault zone and the Kingak Shale ultimate shelf margin.

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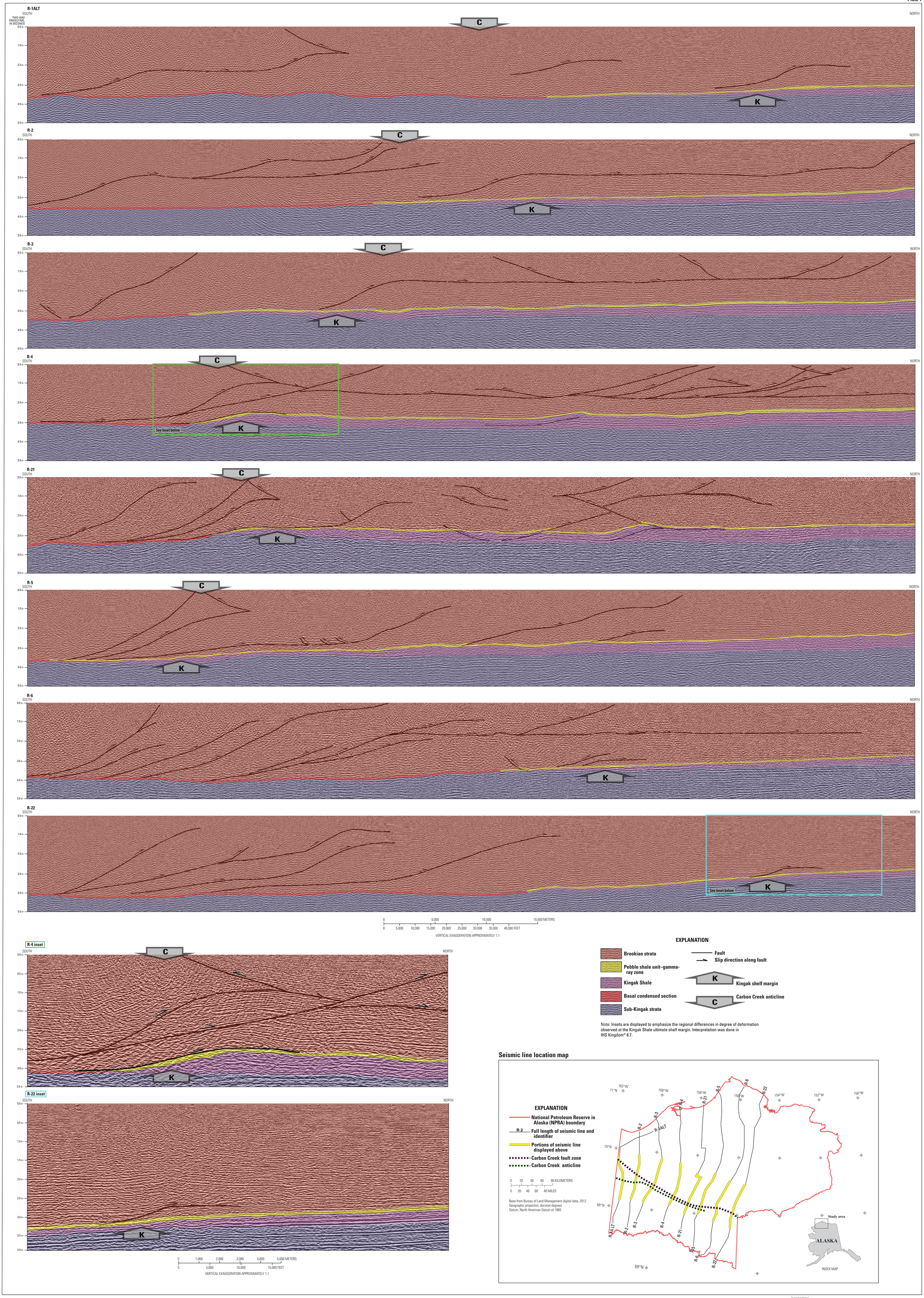
Plate 1



EXPLANATION

- Brookian strata
- Pebble shale unit–gamma-ray zone
- Kingak Shale
- Basal condensed section
- Sub-Kingak strata
- Fault
- Slip direction along fault
- K — Kingak shelf margin
- C — Carbon Creek anticline

Note: Insets are displayed to emphasize the regional differences in degree of deformation observed at the Kingak Shale ultimate shelf margin. Interpretation was done in IHS Kingdom® 8.7.

Seismic line location map

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