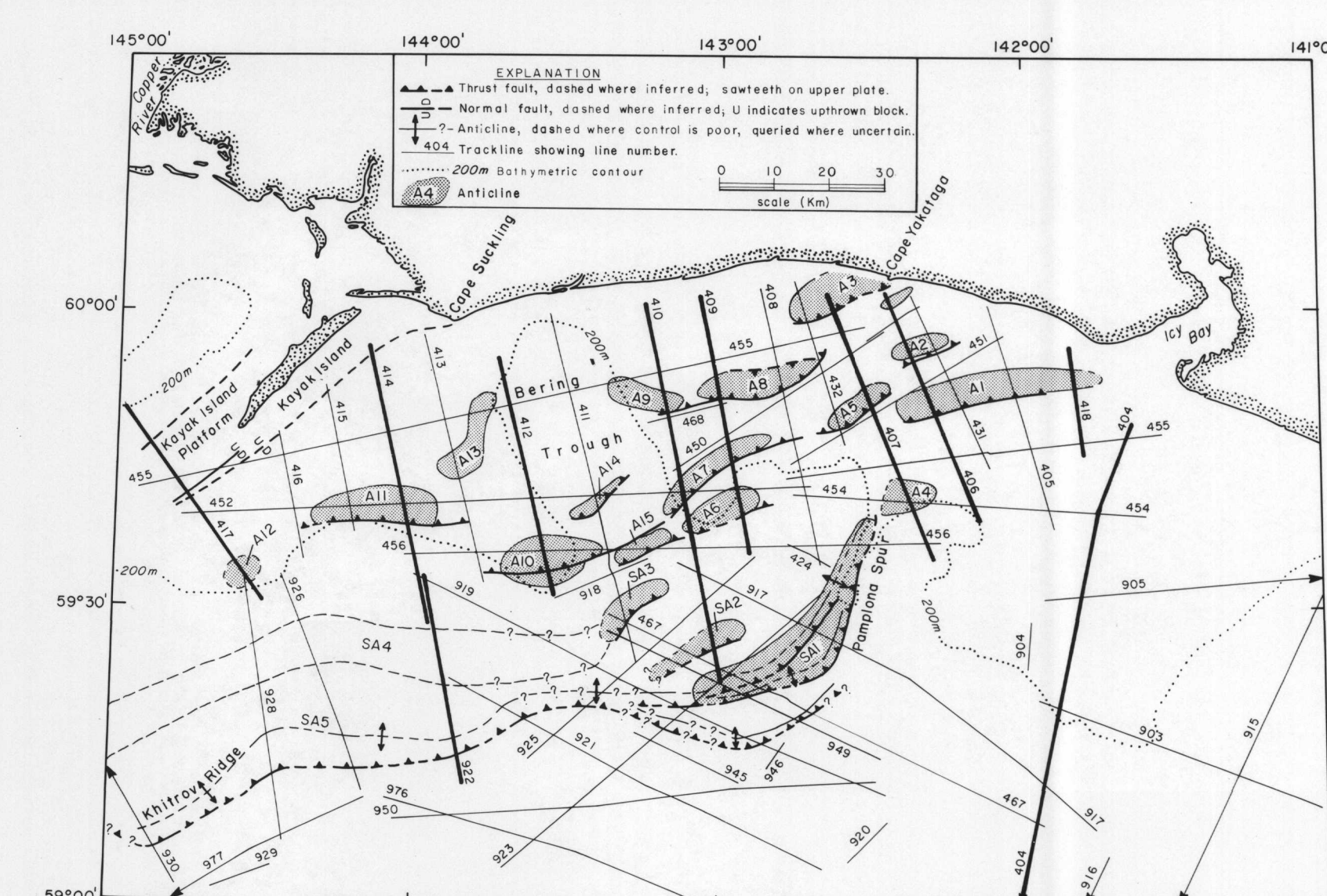


EXPLANATION

Interpreted seismic sections and true-scale depth sections for the Yakataga segment, northern Gulf of Alaska. Horizons A, B, and C correspond to mapped horizons on sheets 1, 2, and 3, and are on strata of about middle Pleistocene, earliest Pleistocene, and late Pliocene age respectively. Seismic horizon D is approximately at the base of Miocene (?) and younger strata correlative with the on-shore Yakataga Formation. Horizons U1 and U2 on sections 412 and 414 are intermediate horizons that help determine the uplift history of the associated anticlines. For additional discussion of the horizons shown, see text. Vertical exaggeration of the seismic sections at the seafloor is about 6.7:1 for seismic section 922, and 5:1 for all other sections. Locations are shown on index map on this sheet and in figure 4. Depth conversion is from the derived time-depth curve shown in figure 3 and discussed in the text.

MULTICHANNEL SEISMIC SECTIONS  
STRUCTURE MAPS AND SEISMIC STRATIGRAPHY OF THE YAKATAGA SEGMENT OF THE  
CONTINENTAL MARGIN, NORTHERN GULF OF ALASKA

By  
Terry R. Bruns and William C. Schwab  
1983



Index map showing tracklines; heavy tracklines correspond to seismic sections shown on this sheet. Map also shows outlines of major structures and structural zones of the Yakataga shelf and slope. Stippled area indicates general area of closure for each anticline, as determined from contours of sheets 1-3. Structural trends labeled SA4 and SA5 are areas of major antinormal deformation that trend across the continental slope. Letter and number designation for each structure or structural zone is keyed to the text discussion and to the seismic sections shown on this sheet.