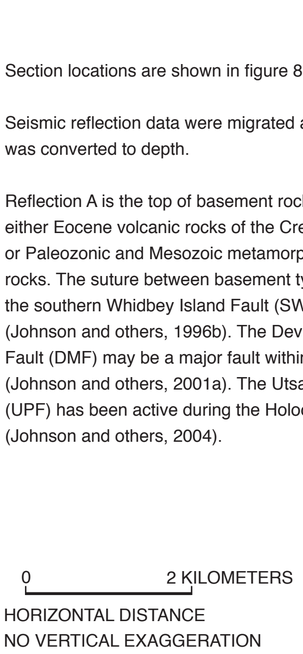
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

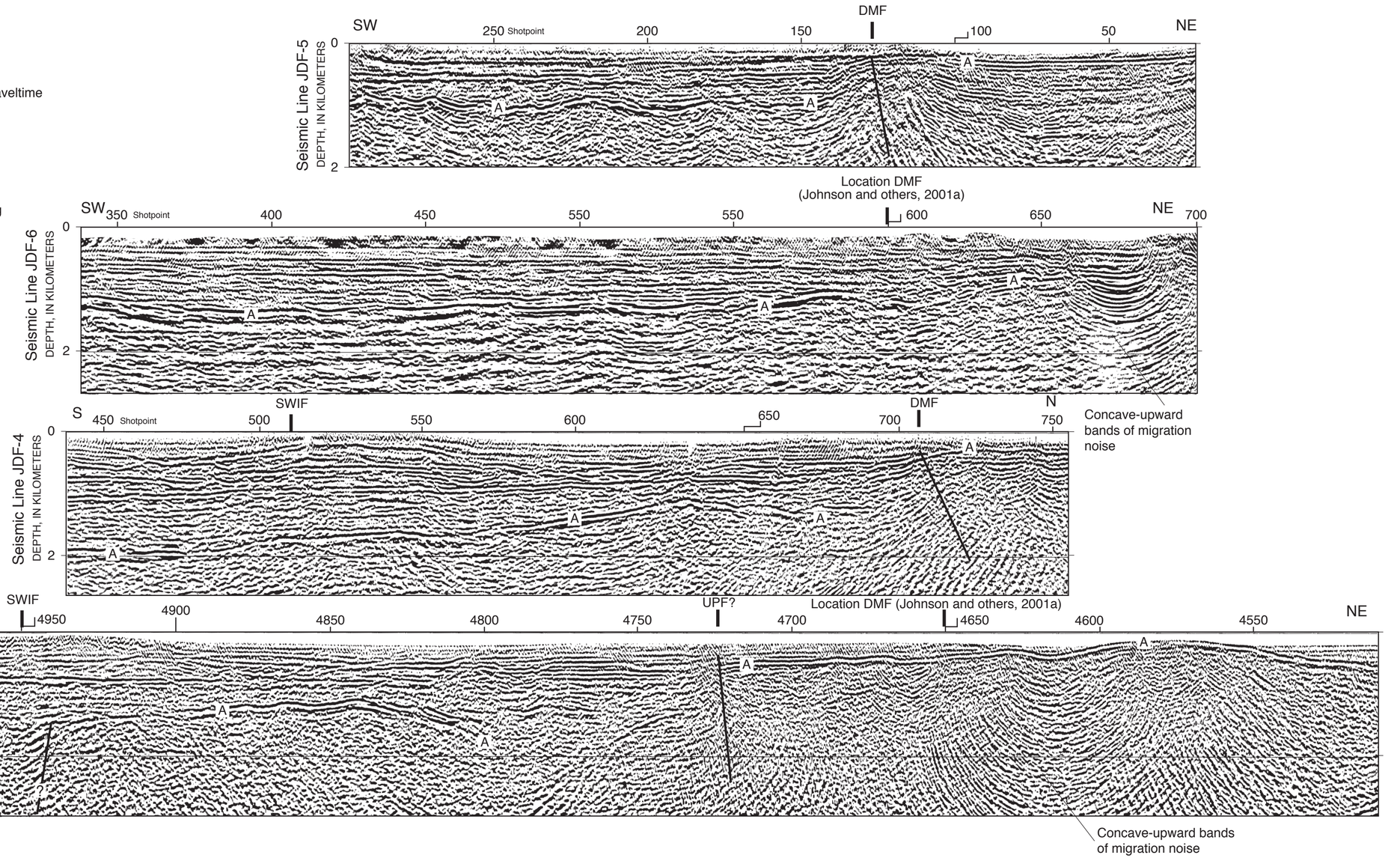
PROFESSIONAL PAPER 1661-C
PLATE 2 OF 3

Section locations are shown in figure 8.

Seismic reflection data were migrated after stack, and traveltime was converted to depth.

Reflection A is the top of basement rocks, which include either Eocene volcanic rocks of the Crescent terrane or Paleozoic and Mesozoic metamorphic and plutonic rocks. The suture between basement types may lie along the southern Whidbey Island Fault (SWIF) zone (Johnson and others, 1996b). The Devil's Mountain Fault (DMF) may be a major fault within basment rocks (Johnson and others, 2001a). The Utsalady Point fault (UPF) has been active during the Holocene (Johnson and others, 2004).





Seismic-Reflection Sections Collected in the Eastern Strait of Juan de Fuca for the Seismic Hazards Investigation in Puget Sound (SHIPS) Project

By

Michael A. Fisher, Roy D. Hyndman, Samuel Y. Johnson, Thomas M. Brocher,
Robert S. Crosson, Ray E. Wells, Andrew J. Calvert, Uri S. ten Brink

2005

Fisher, M.A., Hyndman, R.D., Johnson, S.Y., Brocher, T.M., Crosson, R.S., Wells, R.E., Calvert, A.J., ten Brink, U.S., Crustal Structure and Earthquake Hazards of the Subduction Zone in Southwestern British Columbia and Western Washington, U.S. Geological Survey Professional Paper 1661-C.