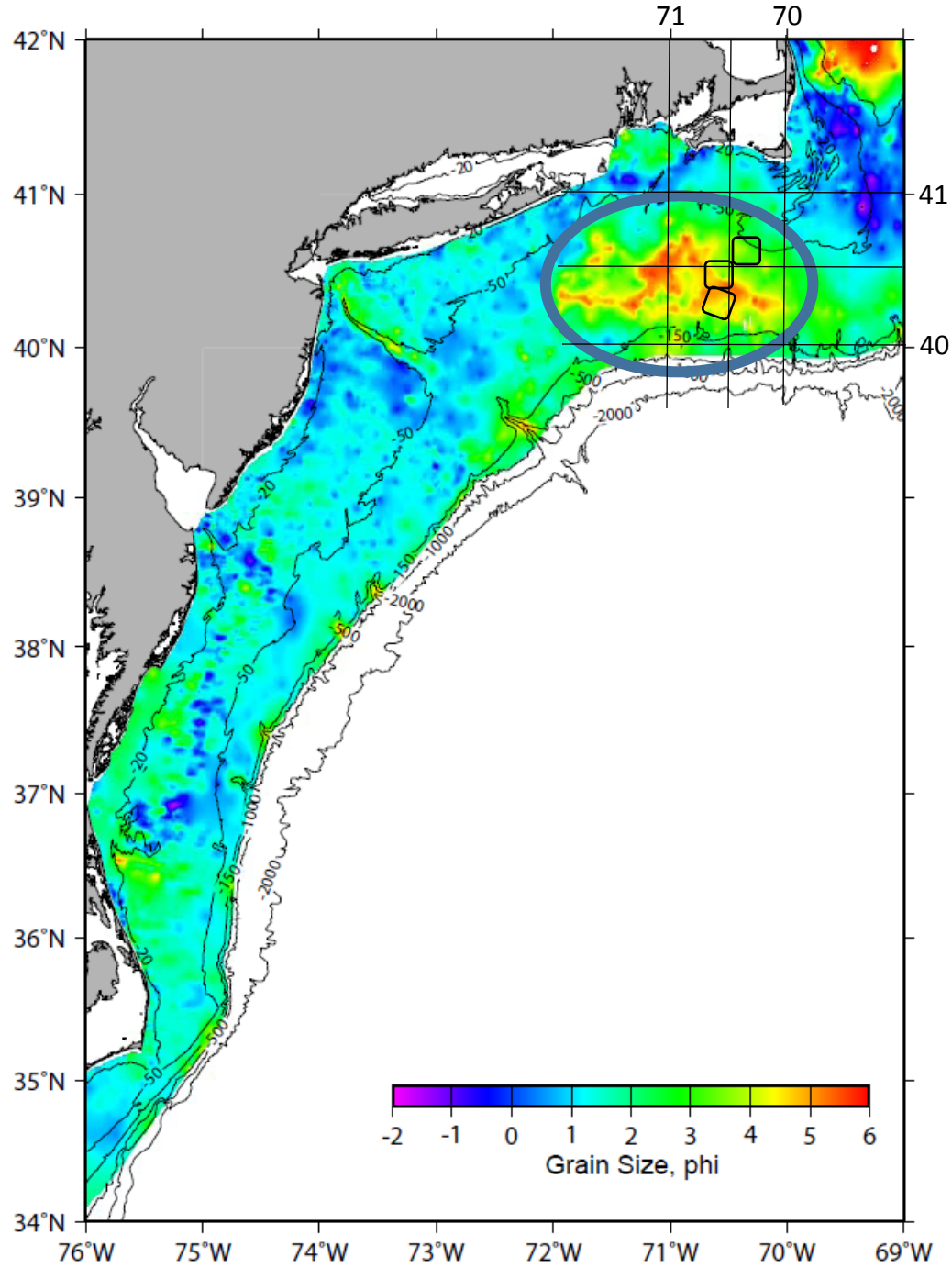


New England Mud Patch

usSEABED data base



Prior Work – Seismic Characterization

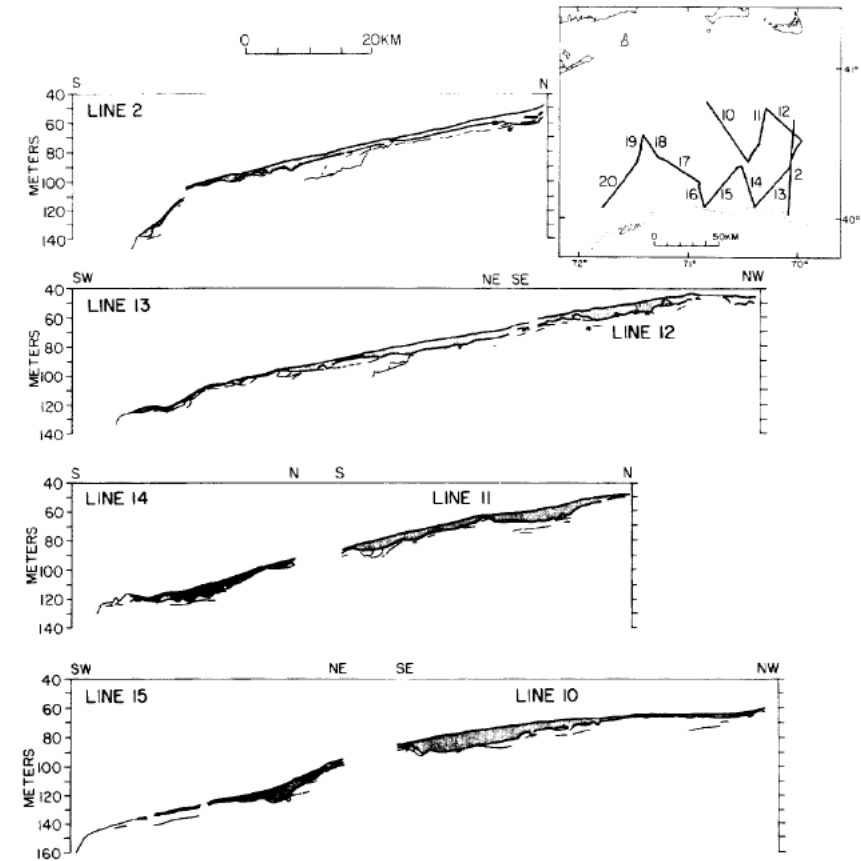
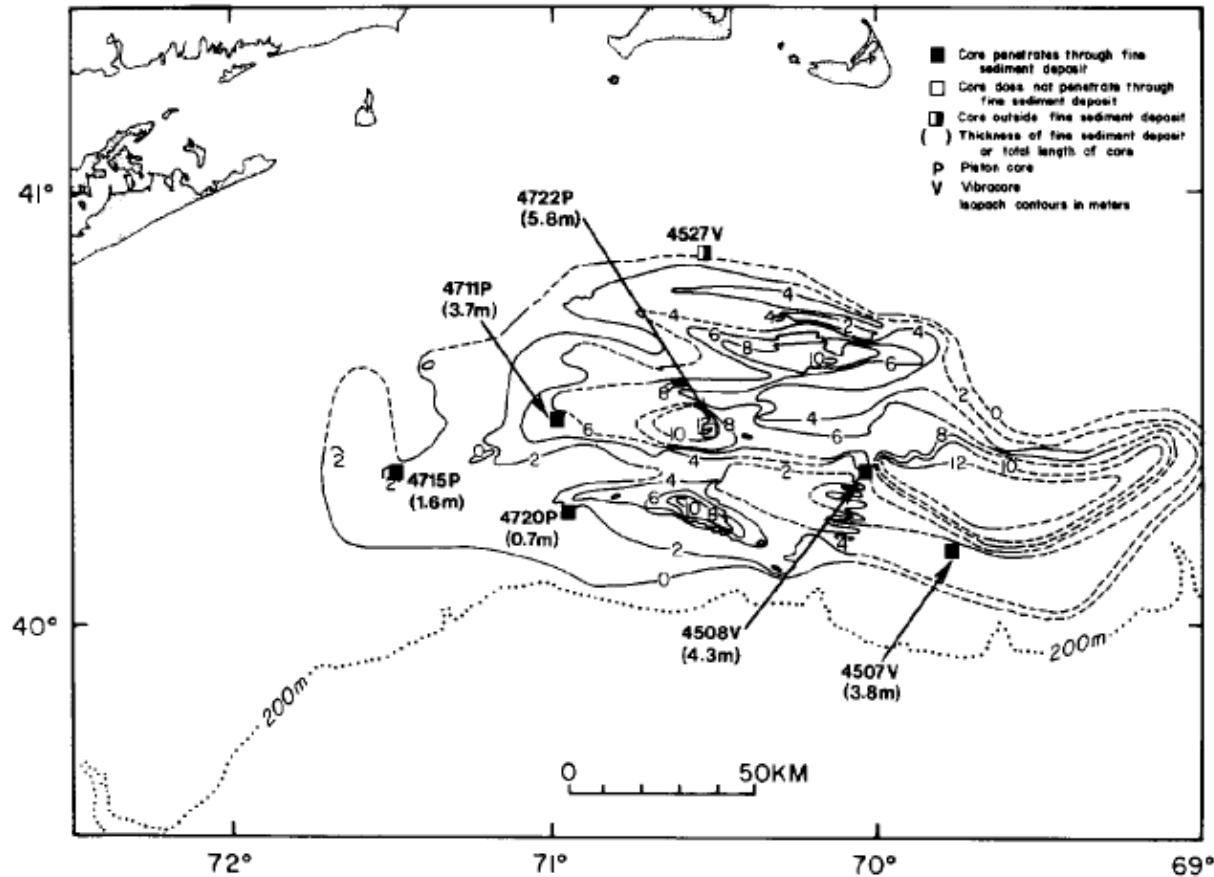
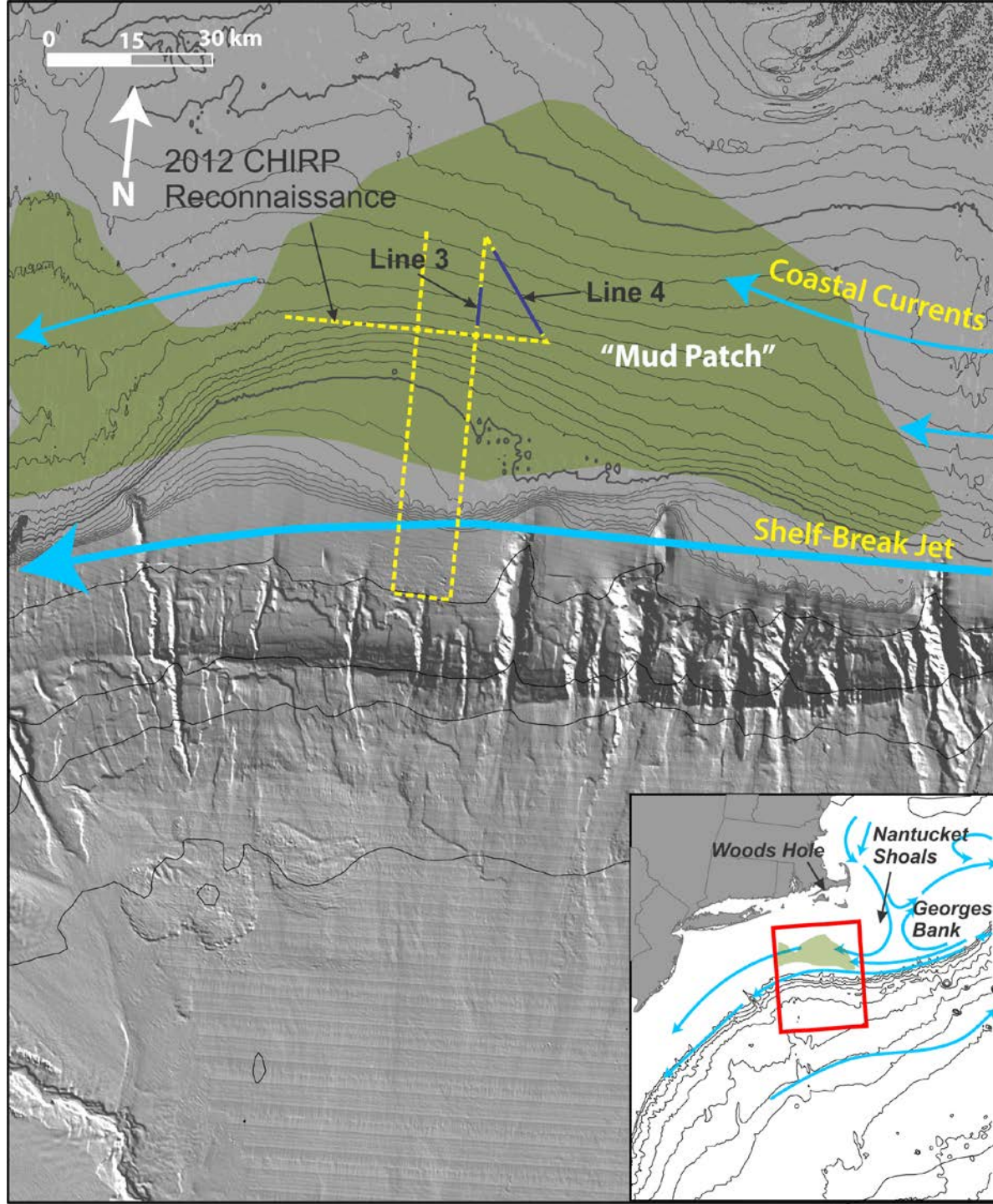


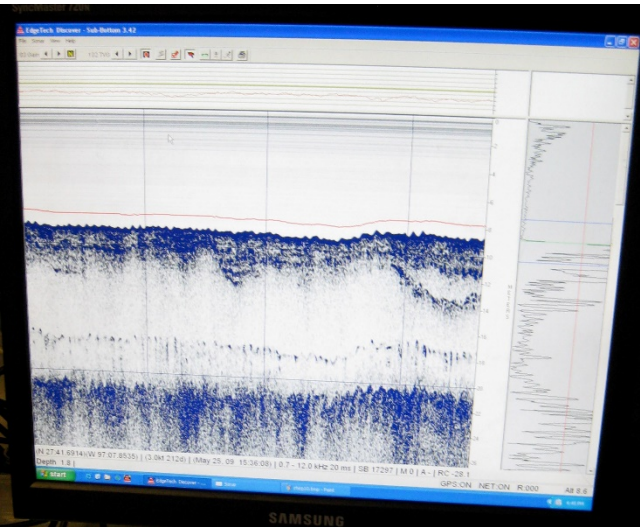
FIG. 4.—Isopach map of the acoustically transparent sediment lens. Contours in meters. Core locations and information from Bothner et al. (1979b).



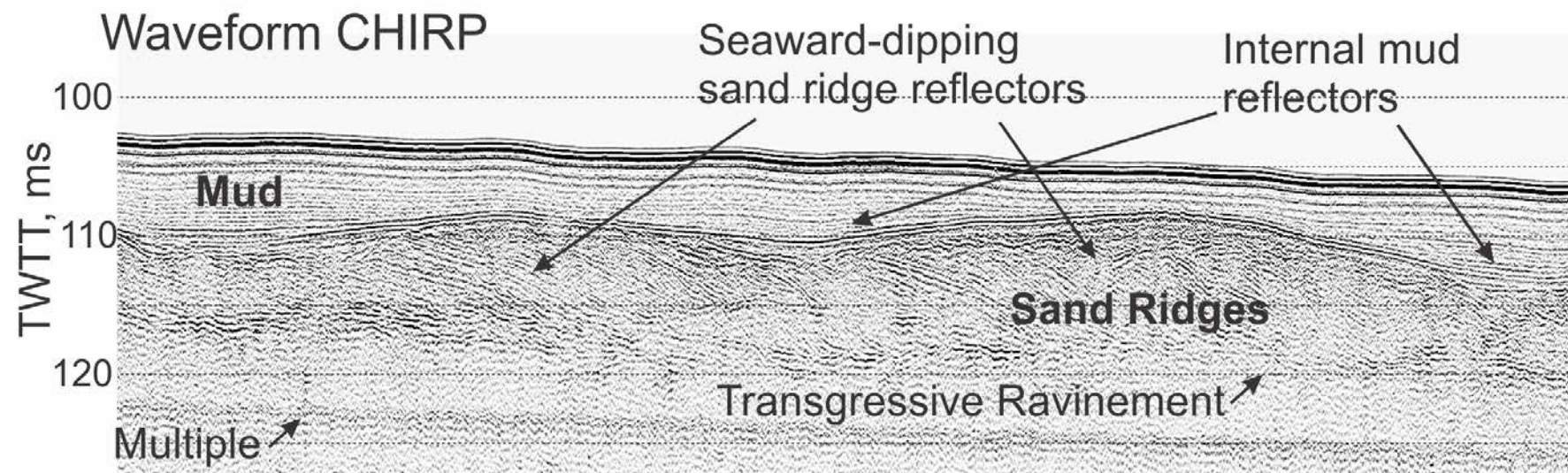
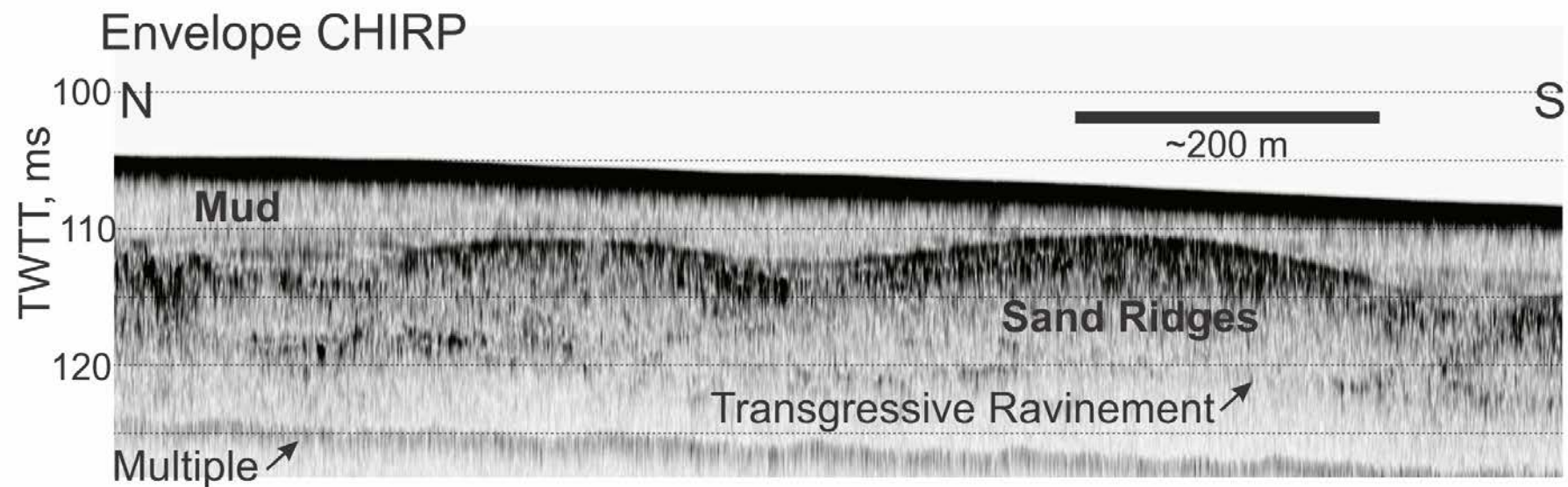
Edgetech 0512i CHIRP

0.5-12 kHz system
(also have 2-16 kHz)

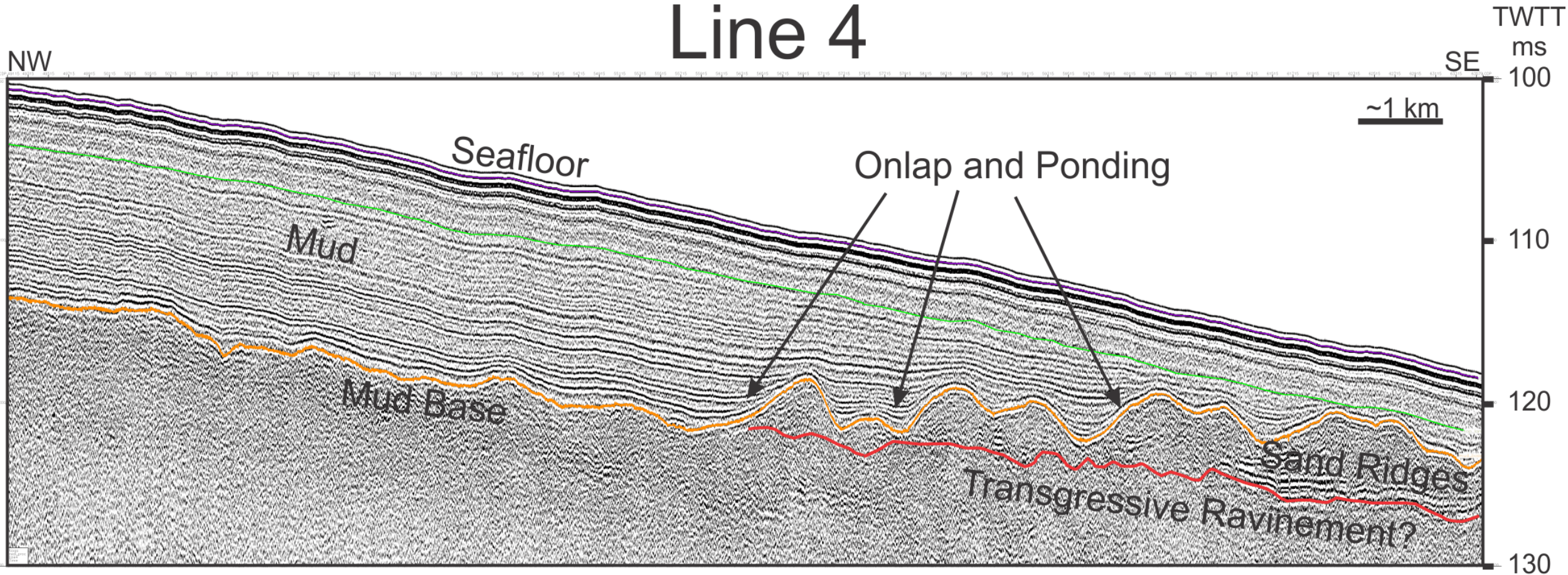
Typically use 0.7-12
kHz, 20 ms pulse, 5
pings/sec



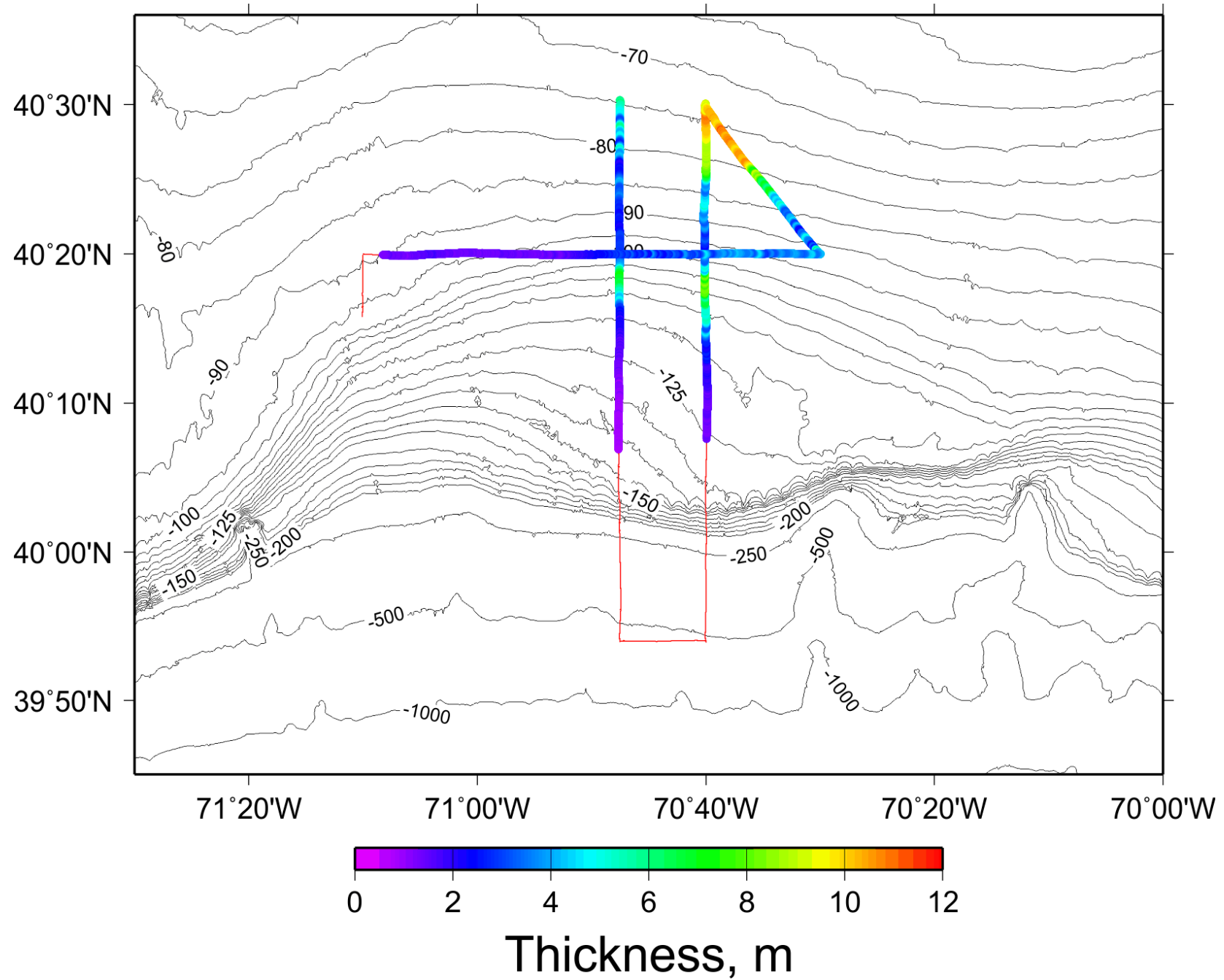
Line 3



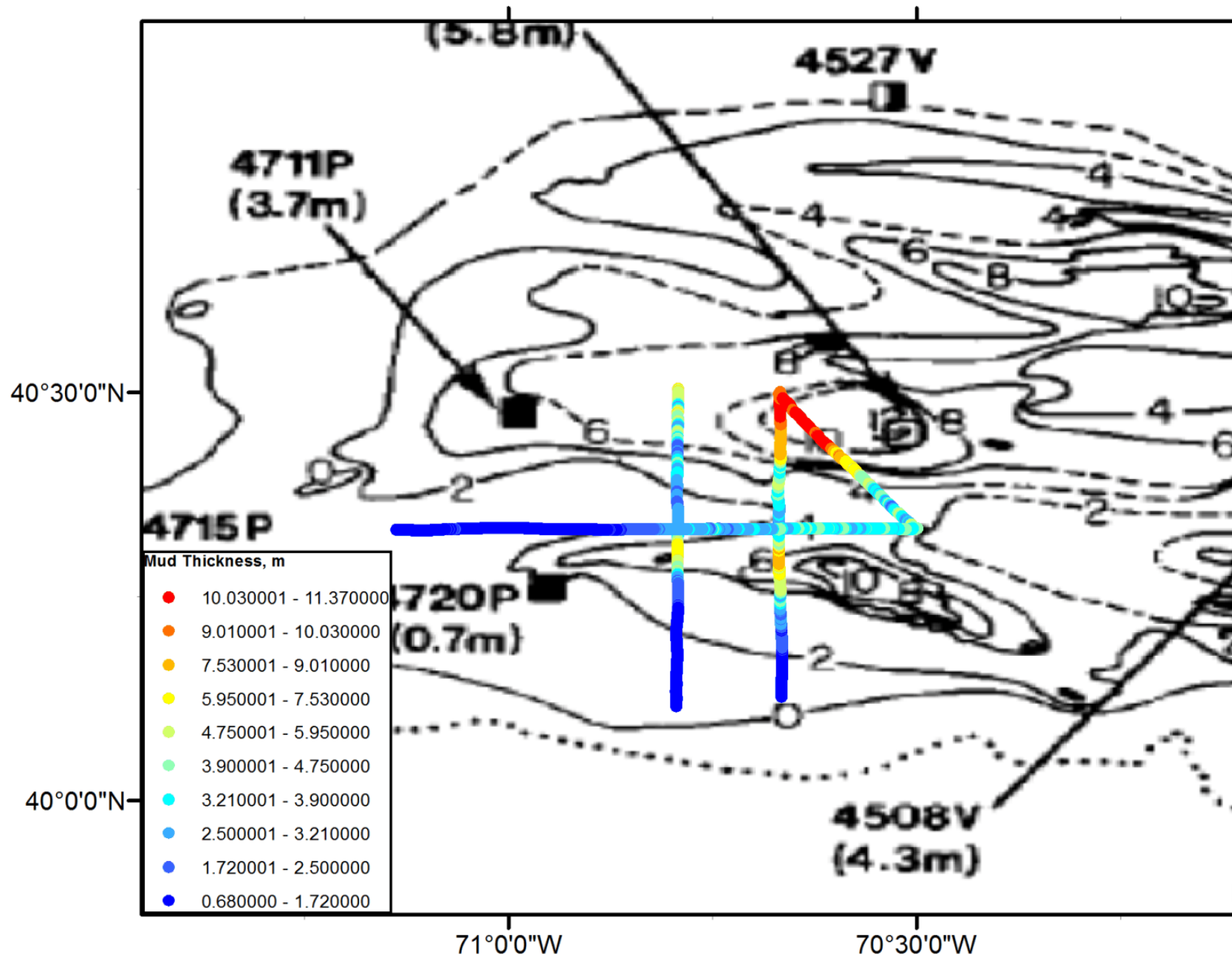
Line 4

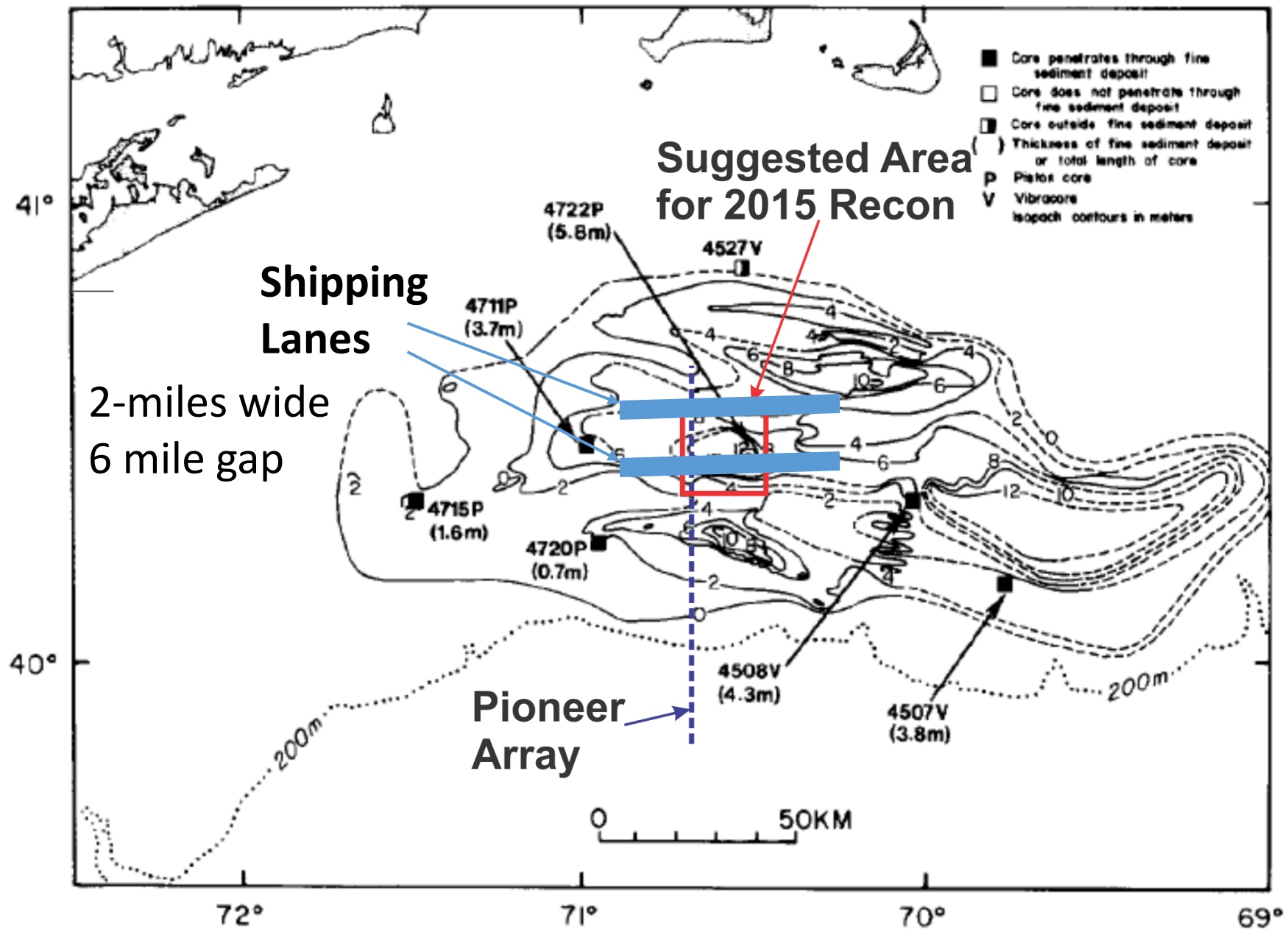


Mud thickness overlain
on bathymetry (meters)



Mud thickness overlain on Twichell et al. (1981) isopach map of mud patch





Leg 1: CHIRP and Multibeam, 11 days

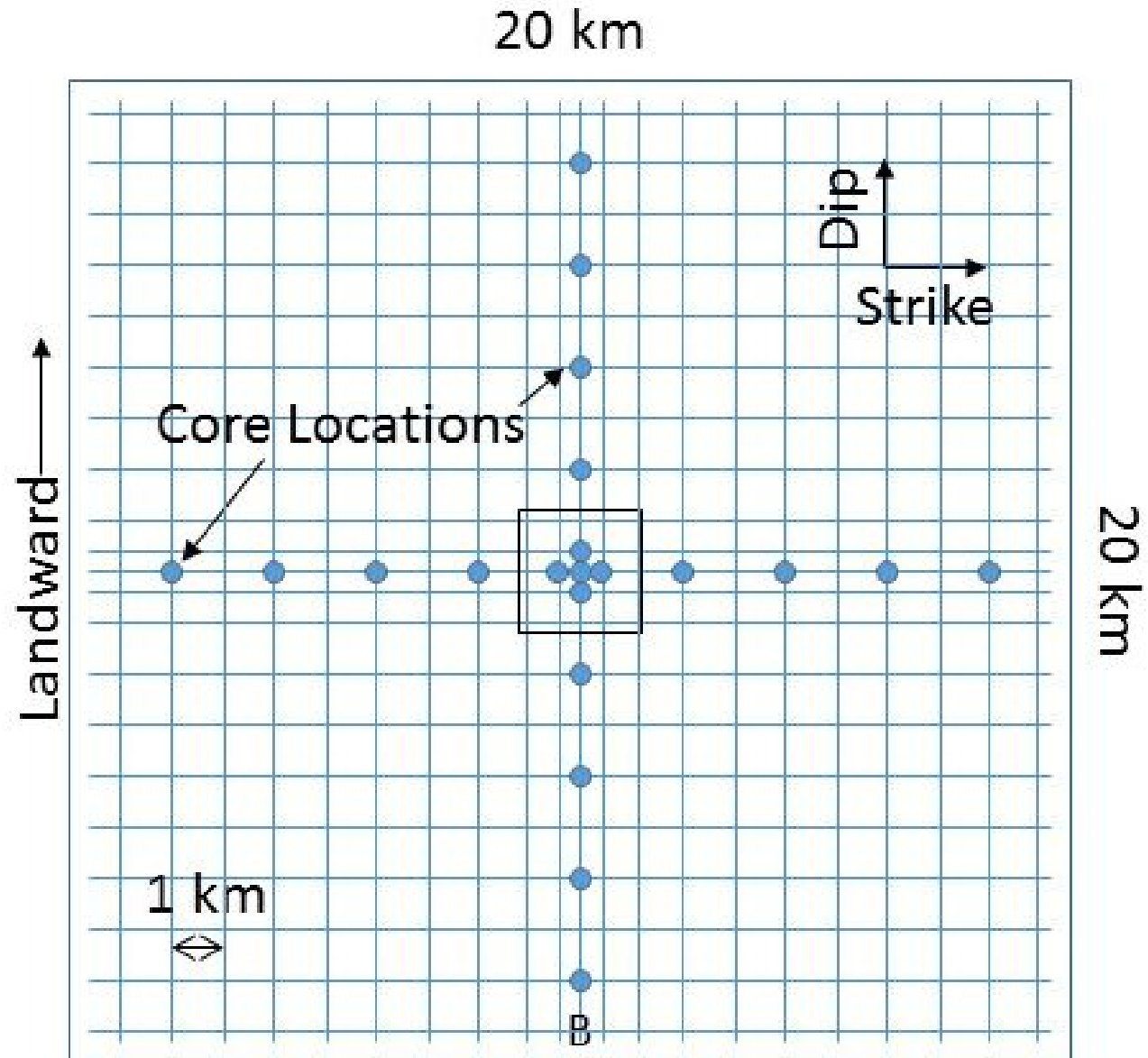
2 days transit between Lewes, DE and survey site.

5 days for CHIRP survey, with multibeam run concurrently

3 days for multibeam only to fill ~10 km by ~10 km region

Preliminary CHIRP interpretation at this time to inform coring on Leg 2.

1 day for contingencies and weather



North Atlantic Shelf Core Locations

NGDC: yellow dots

usSEABED visual: red dots

usSEABED analytic: blue dots

