NORTHEASTERN ASIA

OVERLAY FOR SHEET 6 SERIES 1106

EDITION 1 AMS

CHUKCHI SEA

MORE VOSTOCHNO SIBIRSKOYE

MORE LAPTEVYKH

BERING SEA

USSR

USSR

Arctic Ocean crustal thickness 10 KM. average D-2 p.7

Continental crust east of 150°meridian and north of Arctic Circle 30-35 KM. D-2, p.6

Velocity varies in this area from 7.8 km/sec. for continental crust to 8.9 km/sec. for oceanic crust. See reference: D-3 pp.112-113 D-4 pp 22-23

Depth values along cross section lines are scaled from published sections. See reference for source material.

WESTERN OKHOTSK TROUGH

OKHOTSK ELEVATION

KURIL TROUGH

NORTHERN

SOUTHERN KURIL TROUGH

LAKE BAYKAL

x 42-(See D-5)

o 45-209

x60-124

Area south of Lake Baykal- 60-70-210

Velocity 7.5-8 km/sec. Ref. D-1, p.571

x 48-123

x 75-900

Ref D-4, E-2

Ref D-2

Ref D-3, D-4

Ref D-4

Ref D-3, D-4, E-2

x 11.5/8.3 198

x 12/7.8 196

x 14.7/7.8 197

100° 110° 120° 130° 140°

60° 50° 40°

100 0 100 200 300 400 500 600 700 800 900 Kilometers

Scale 1:5,000,000

MILLER OBLATED STEREOGRAPHIC PROJECTION

EXPLANATION

x 12/8.3 196 — x=location, numerator=depth to "M" (km), denominator=P_n velocity (km/sec) 196=index number, see reference E-1

15 — lines along which sections have been compiled, depth to "M" (km) shown adjacent to location

o — permanent seismic detection station

V — P_n velocity (km/sec)