Serial #90006

UNITED STATES GOVERNMENT

MEMORANDUM

8 JUN 90

To: Distribution

From: Dave Folger

Subj: Cruise Report for 1990 Southern Lake Michigan Survey

1. Vessel: R\V Neptune (Hydrographic Survey Co.)

2. Cruise: NPTN 90-01

3. Parent Project : Southern Lake Michigan Erosion Study

4. Funding Agency: Congress

5. Funding Amount: $1.5 million

6. Contract Number: 9470-27013

7. Contract start and end dates: 1 Oct 90

8. Area of Operations: Southern Lake Michigan

9. Dates and Ports: 14-16 May Chicago
17 May Chicago-Waukegan
18-20 May Waukegan

10. Chief Scientist: D. W. Folger 14-17 May
S. M. Colman 18-20 May

11. Names and affiliations of the scientific party:

R. Race (Hydrographic Survey Co.), Captain
T. Cogswell (Hydrographic Survey Co.), Mate

D. Folger, Scientist
S. Colman, Scientist
D. Foster, Scientist
M. Chrzastowski, Scientist
F. Pranschke, Scientist
D. Harrison, Scientist
K. Parolski, ET
B. Irwin, Nav Tech
R. Tagg, Nav Tech

12. Purpose of the cruise:

1) Conduct a sidescan-sonar survey of the submerged forest off Chicago; 2) Conduct a sidescan-sonar survey of the nearshore sand wedge from Chicago to Waukegan; 3) Conduct a sidescan-sonar survey of collapse and slump features off Waukegan.

13. Navigation: Del Norte and LORAN-C

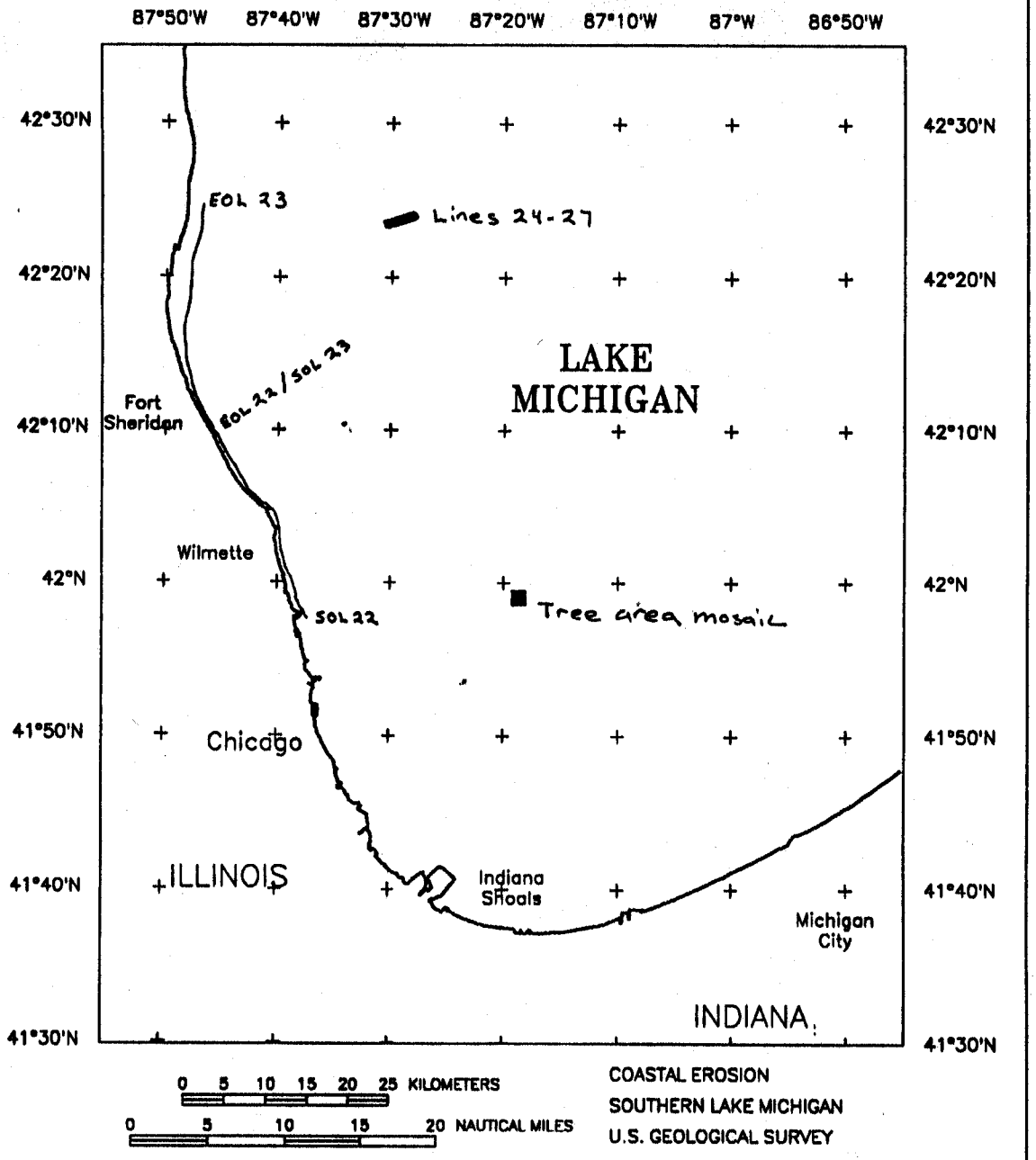
14. Scientific equipment: Klein sidescan-sonar
3.5 kHz single channel seismic system
Odem echo sounder

15. Days at sea: 5
Data Collected: 90 line-km sidescan-sonar, 3.5 kHz seismic, and bathy.

16. Tracklines chart attached.

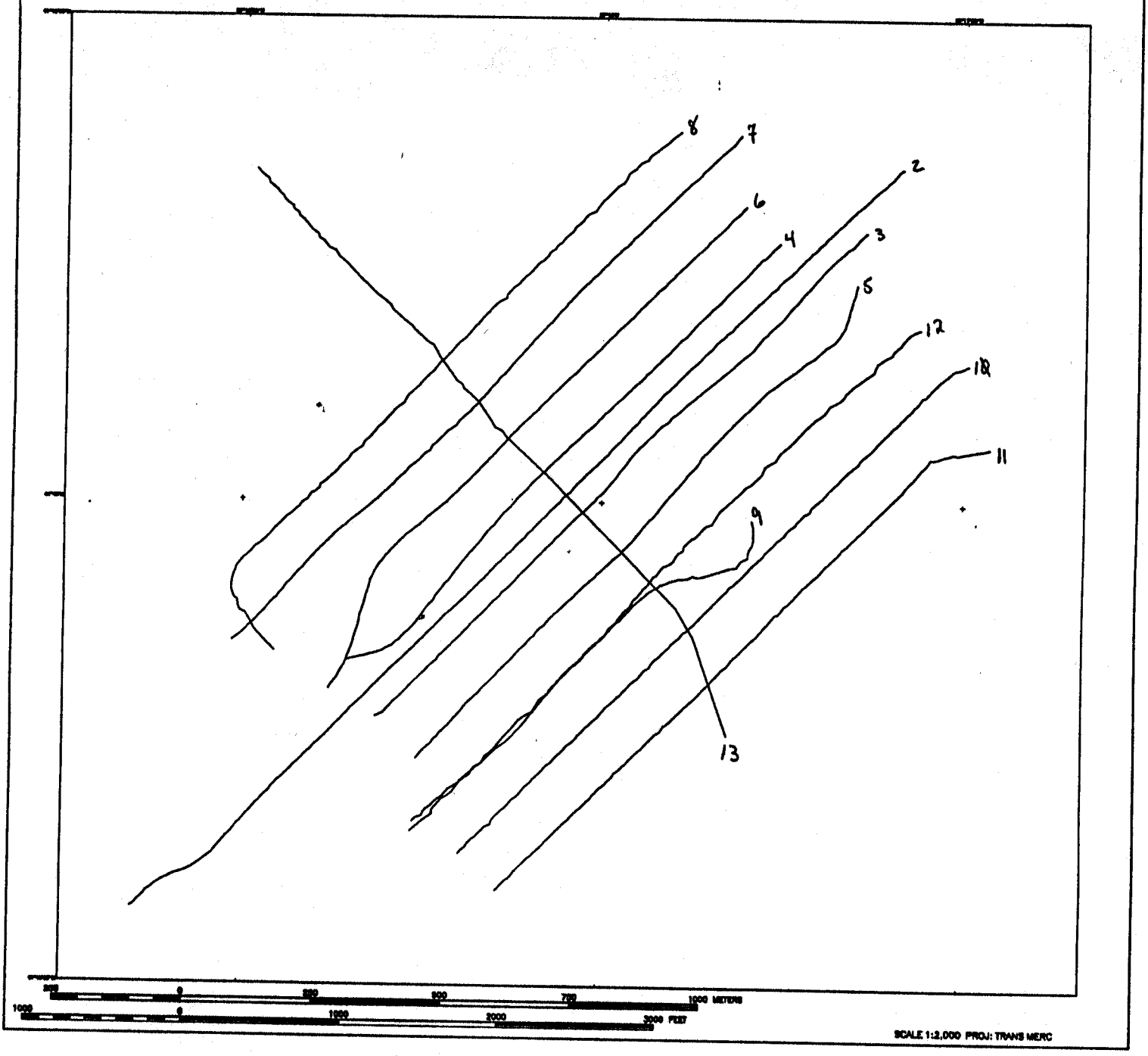
cc: B. Butman
S. Colman
B. Irwin
K. Parolski
R. Tagg
T. O'Brien
T. Aldrich
C. Polloni
N. Soderberg
G. Sexton
P. Barnes
J. Newell
S. Barton
A. Sallenger
J. Williams

SOUTHERN LAKE MICHIGAN – NPTN90

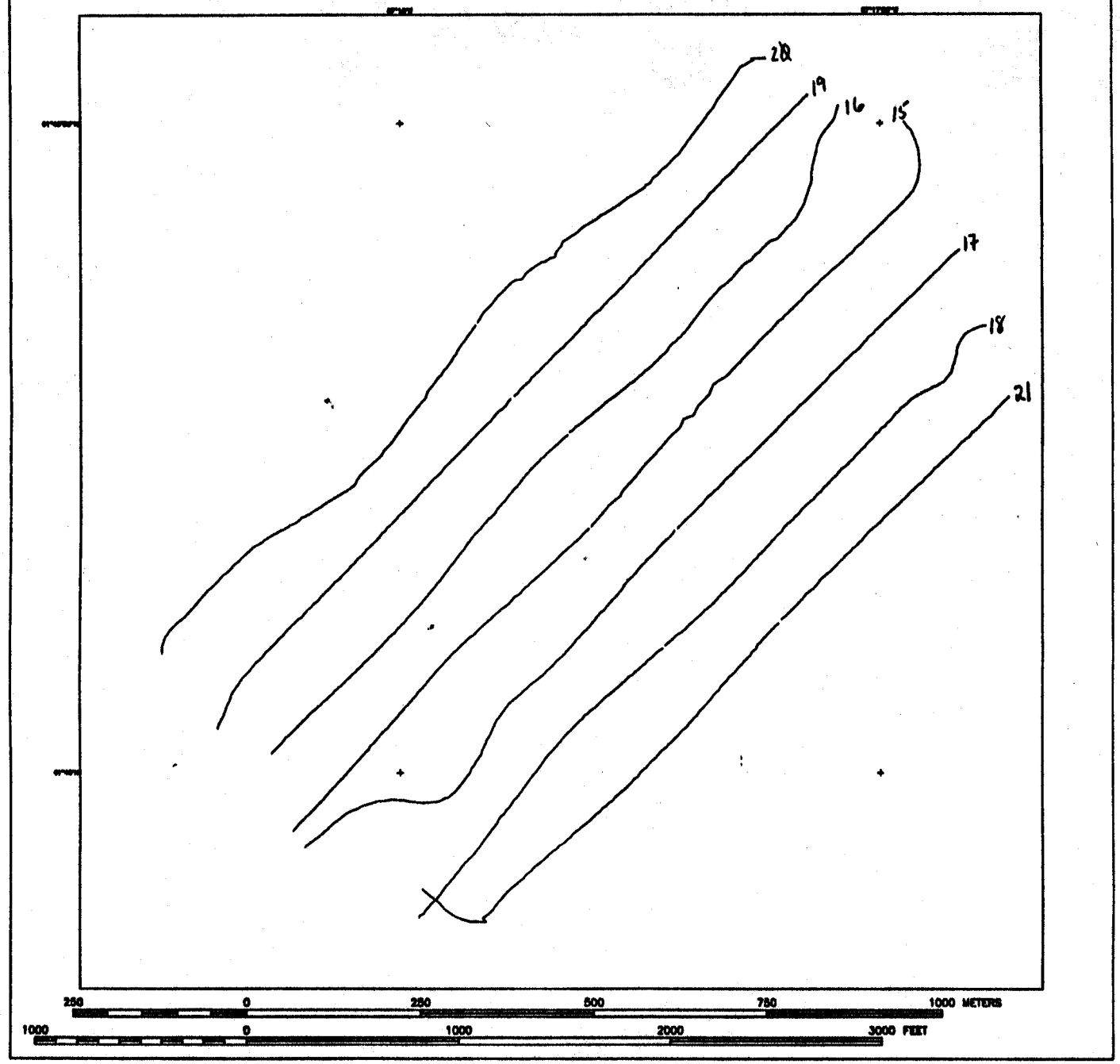
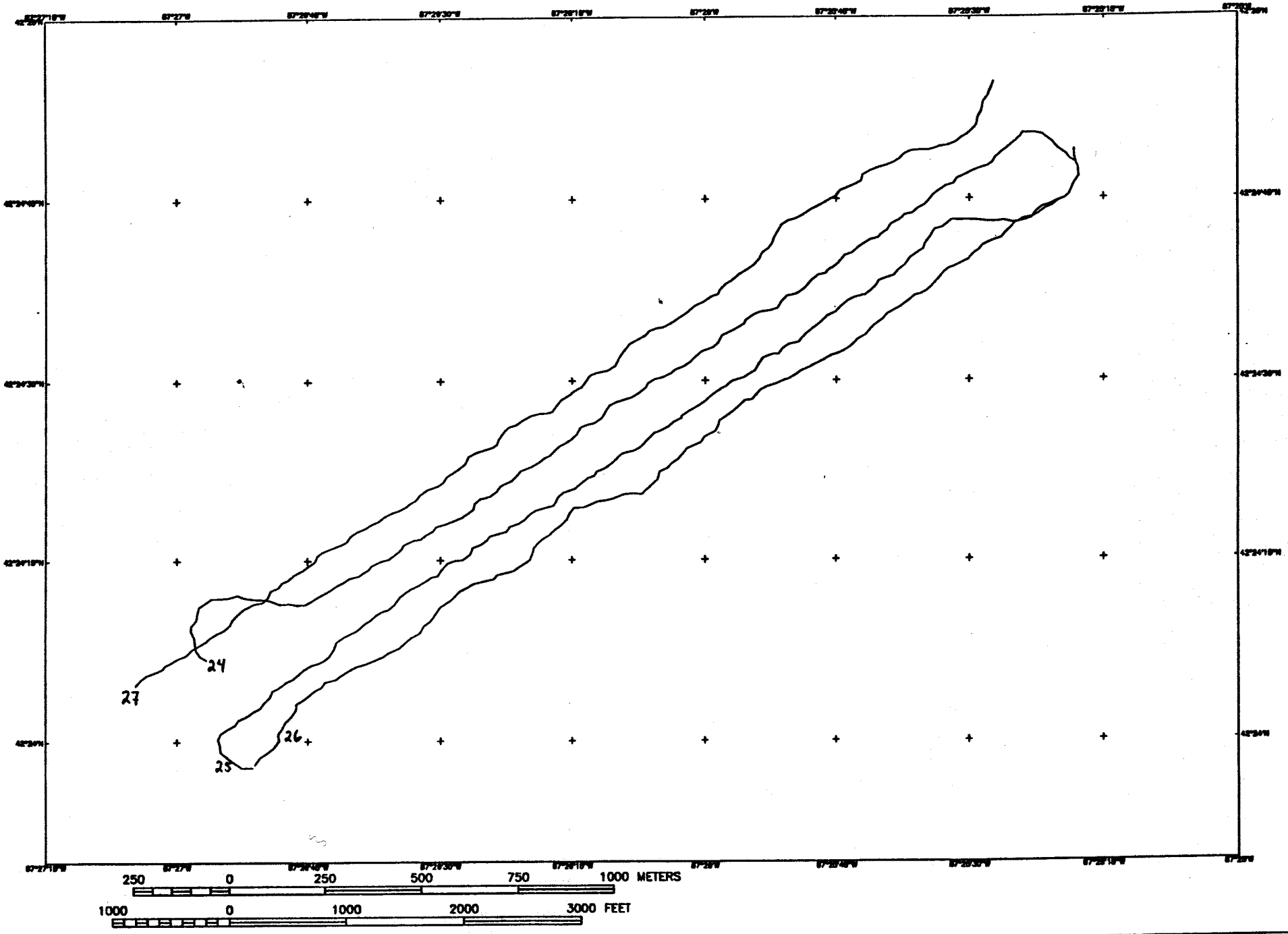


COASTAL EROSION
SOUTHERN LAKE MICHIGAN
U.S. GEOLOGICAL SURVEY

SOUTHERN LAKE MICHIGAN – NPTN90



SOUTHERN LAKE MICHIGAN – NPTN90



SOUTHERN LAKE MICHIGAN – NPTN90