#92017

BRANCH OF ATLANTIC MARINE GEOLOGY
Woods Hole, MA 02543

To: Distribution

From: Andrew Brill

Date: August 26, 1992

Subject: **Cruise Report for 1992 southern Lake Michigan survey**

1. Vessel: RV GEO1, Western Michigan University
2. Cruise number: GEO92-1
3. Parent Project: Regional Great Lakes
4. Funding Agency: NOAA
5. Funding Amount (total): 250,000
6. Contract Number: 1-9470-0514
7. Contract Dates: 28 July - 1 August, 1992
8. Area of Operations: Michigan City to Gary, Indiana
9. Dates and Ports:
   July 28-July 31: Michigan City, IN
   Aug 1: Burns Ditch, IN
10. Scientific Party:
    D. Foster (AMG), Co-chief Scientist
    A. Brill (AMG), Co-chief Scientist
    B. Irwin (AMG), Navigator
    R. Laton (W. Michigan Univ.), Graduate Student
    D. Sang (W. Michigan Univ.), Graduate Student
    M. Kovacich (W. Michigan Univ.), Graduate Student
11. Purpose of Cruise: Acquisition of surficial sediment samples to verify NPTN92-1 sidescan sonar interpretations. Reconaissance of geologic framework and surficial sediment textures at selected sites using Osprey underwater video camera and VCR.
12. Navigation: DGPS and GPS; navigation software by B. Irwin

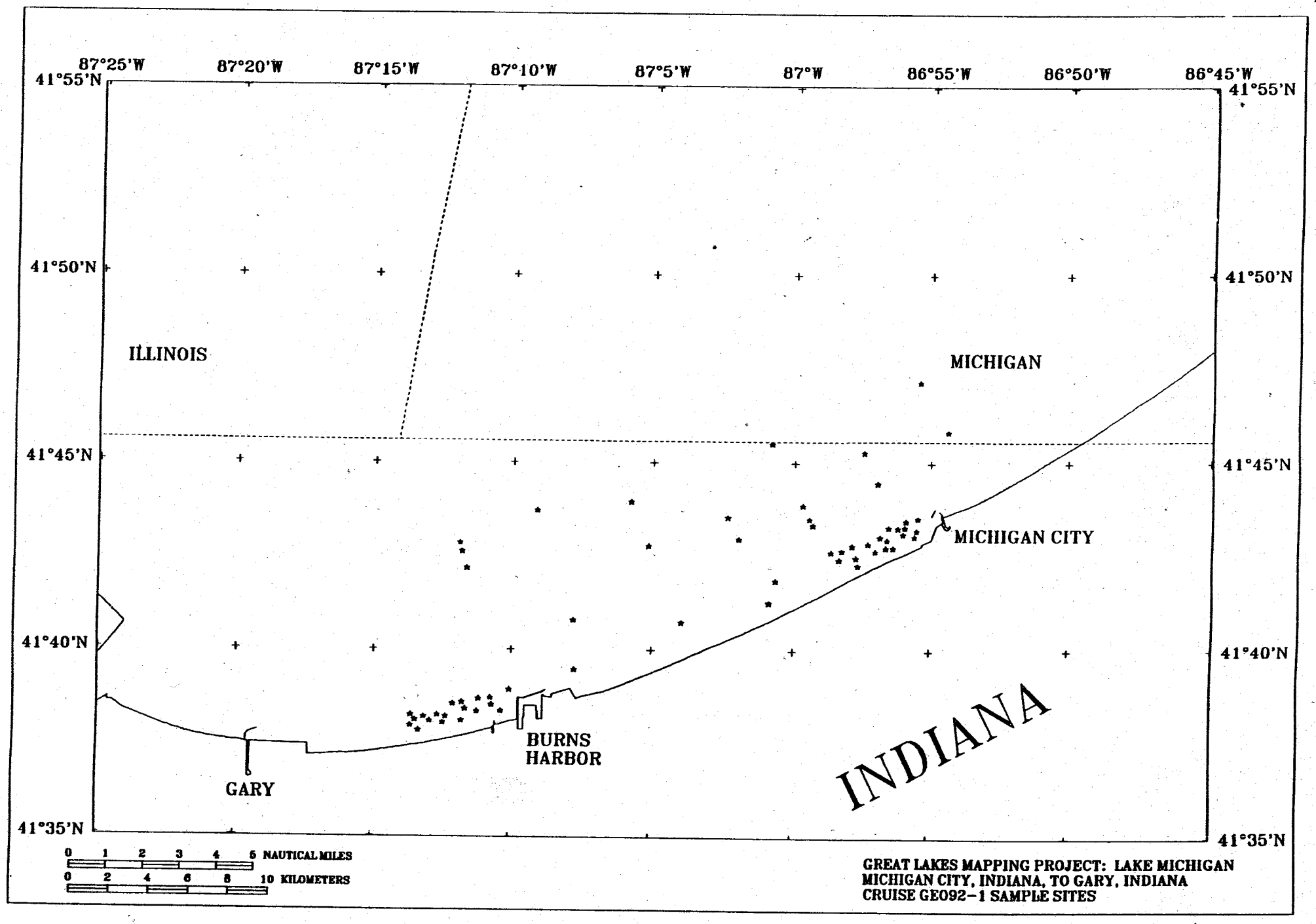
13. Equipment: Shipek grab sampler, clamshell "snapper" sampler, Osprey video system with 8mm VCR, gasoline powered winch, generator

14. Days at Sea: 3 days

Data Collected: Of the proposed 75 sampling stations, 61 were occupied. Samples were recovered from 59 of those stations. Bottom video was obtained at 18 of these sites. All video was stored on two 8mm data tapes.

15. Map showing sample collection locations is attached.

cc:
D. Folger
C. Brown
D. Foster
B. Irwin
C. Polloni
N. Soderburg
B. Butman
D. Carroll
C. Johnson
W. Sauck
A. Sallenger
T. Straw
R. Davis
R. Laton
D. Sang
M. Kovacich



GREAT LAKES MAPPING PROJECT: LAKE MICHIGAN
MICHIGAN CITY, INDIANA, TO GARY, INDIANA
CRUISE GE092-1 SAMPLE SITES