also zero. The lead line, calibrated in meters, was checked on 7/15/92. No lead line corrections were necessary. A lead line comparison form, as well as the lead line calibration form, can be found in the survey Separates. *

A static draft of 0.3 meter was applied to the final field sheet soundings using the HDAPS "Reapply Depth Correctors" function. The draft was measured by subtracting the difference from a punch mark on the side of launch 1292, 0.6 meters above the transducer, to the water surface.

Settlement and squat measurements for vessel 1292 were performed on June 26, 1992 using the level method. Settlement and squat correctors were applied to the final field sheet soundings using the HDAPS "Reapply Depth Correctors" function. Data from the settlement and squat test are included in the Survey Separates, section IV. *

The final field sheets were plotted using daily water level correctors determined by readings taken from the ETG at station 908-7038, Michigan City, Indiana on days 220 and 248 and by readings taken from the ETG at station 908-7039, Burns Harbor, Indiana on day 247, then reducing the readings to the IGLD of 1985 for Lake Michigan of 176.0 meters. An abstract of the determination of the daily correctors is included in the survey Separates. *

Actual water level heights were requested from the Datums Section, N/OES231, in a letter dated September 14, 1992. A copy of the letter is included in the appendices of this report. *

H. CONTROL STATIONS SEE ALSO SECTION 2.A. OF THE EVALUATION REPORT.

The horizontal control datum for this project is the North American Datum of 1983. Stations 001 and 002 were used as the base station antenna sites for the Global Positioning System (GPS). Station 001 was used on day 220. Station 002 was used on days 247 and 248.

Station 001, CONDO 1991, was located by resection to Third Order Class I methods using the Topcon ET-1, serial number F30983. A static baseline was observed using the Ashtech Model XII GPS receivers as a check on station CONDO and for determination of the elevation. These receivers were not modified to meet NGS standards requiring carrier phase, two channel operation. This station was located by Atlantic Hydrographic Party 2, during the S-Y934, 1991 field season. Field records were submitted to the Coastal Surveys Unit, N/CG23322.

* DATA FILED WITH FIELD RECORDS.