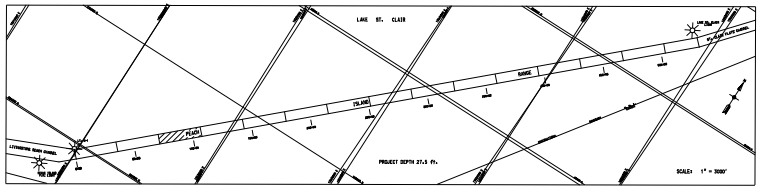

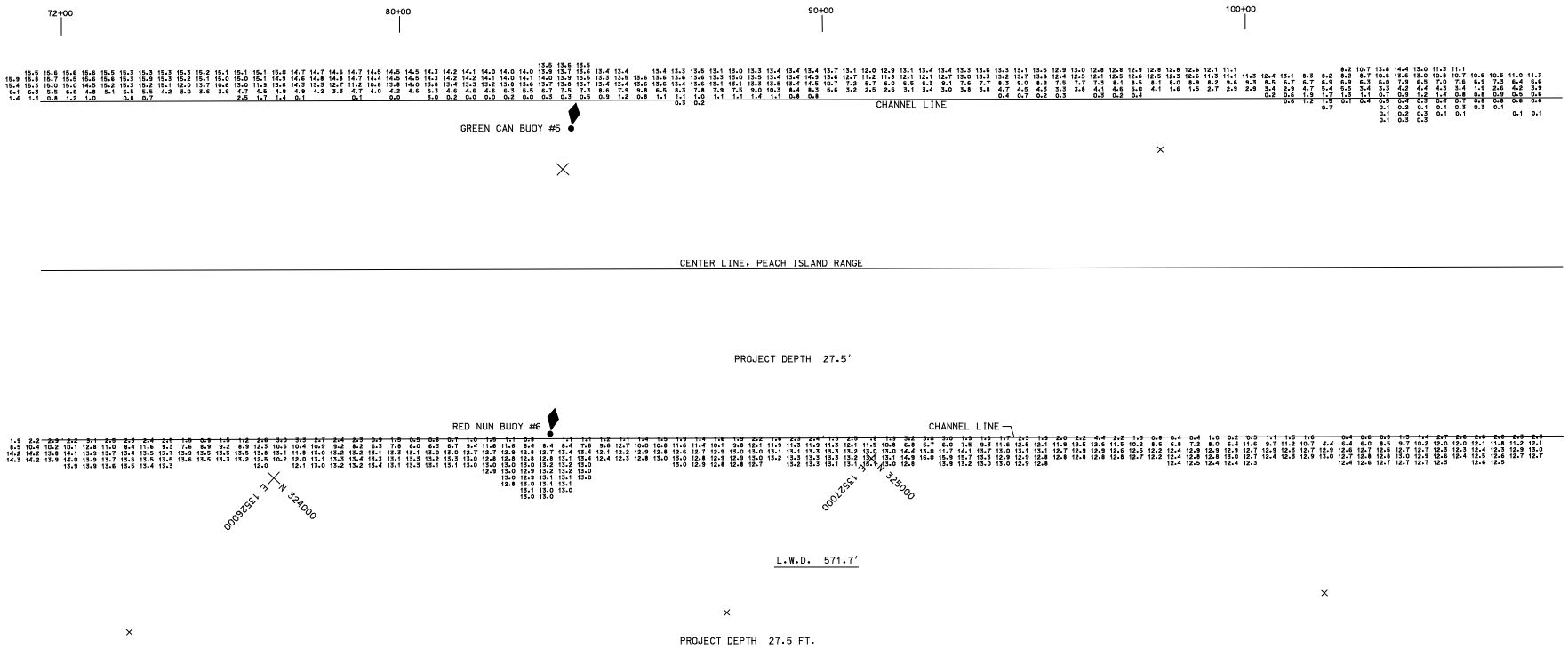

LEGEND

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THE TIME.

LOW WATER DATUM

ELEVATIONS AND PROJECT DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM-(1985) AT ELEVATION 572.3 ABOVE MEAN WATER LEVEL AT RIMOUSKI, QUEBEC

GRID COORDINATES

GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, SOUTH ZONE (2113), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.

DIRECTIONS

ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.

PROJECT DEPTHS

PROJECT DEPTHS ARE AS INDICATED ABOVE.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY FREDRICK J.W. DOUGLAS, PARTY CHIEF,ABOARD THE USACE SURVEY SWEEP VESSEL PAJ, CAPT. JAMES P. BYRNE COMMANDING.

AUTOMATED EQUIPMENT USED

POSITIONING:	STARLINK DGPS
DATA PROCESSOR:	MICRON PC
SOFTWARE:	COASTAL OCEANOGRAPHICS
PLOTTER:	ENCAD, CADJET 2
SONIC SOUNDER:	ECHOSCAN RCU-32

NOTES:

1. GAGES USED WERE TAKEN FROM NOAA GAGE DATA AT WINDMILL POINT AND ST. CLAIR SHORES VIA THE INTERNET.
2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838, LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 319 KHZ. 200 BPS
3. TRANSDUCER FREQUENCY USED TO MEASURE DEPTH DATA WAS 214 KHZ AND THE BEAM ANGLE WAS 16.5 DEGREES.

US ARMY CORPS OF ENGINEERS DETROIT DISTRICT

1" = 100' 100' 50' 0 100' 200'

NO.	DATE	REVISION	BY

U.S. ARMY ENGINEER DISTRICT, DETROIT
CORPS OF ENGINEERS
DETROIT, MICHIGAN

DETROIT AREA OFFICE — APRIL 2001

PEACH ISLAND RANGE

LAKE ST. CLAIR, MICHIGAN
C.S. 72+00 TO C.S. 107+00
AUTOMATED SWEEP SURVEY RESULTS

DESIGNED BY:
DRAWN BY:
CHECKED BY:
REVIEWED BY:
SUBMITTED BY:
CHIEF,OTS BRANCH
APPROVAL RECOMMENDED:
CHIEF C.E. DIVISION
DATE
APPROVED:
LTC, C.E. DISTRICT ENGINEER

SCALE AS SHOWN

SHEET 3 OF 15

DRAWING NUMBER p13e0401.dgn