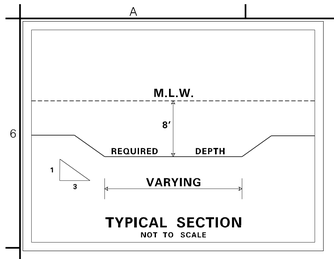
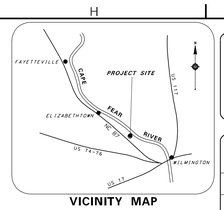
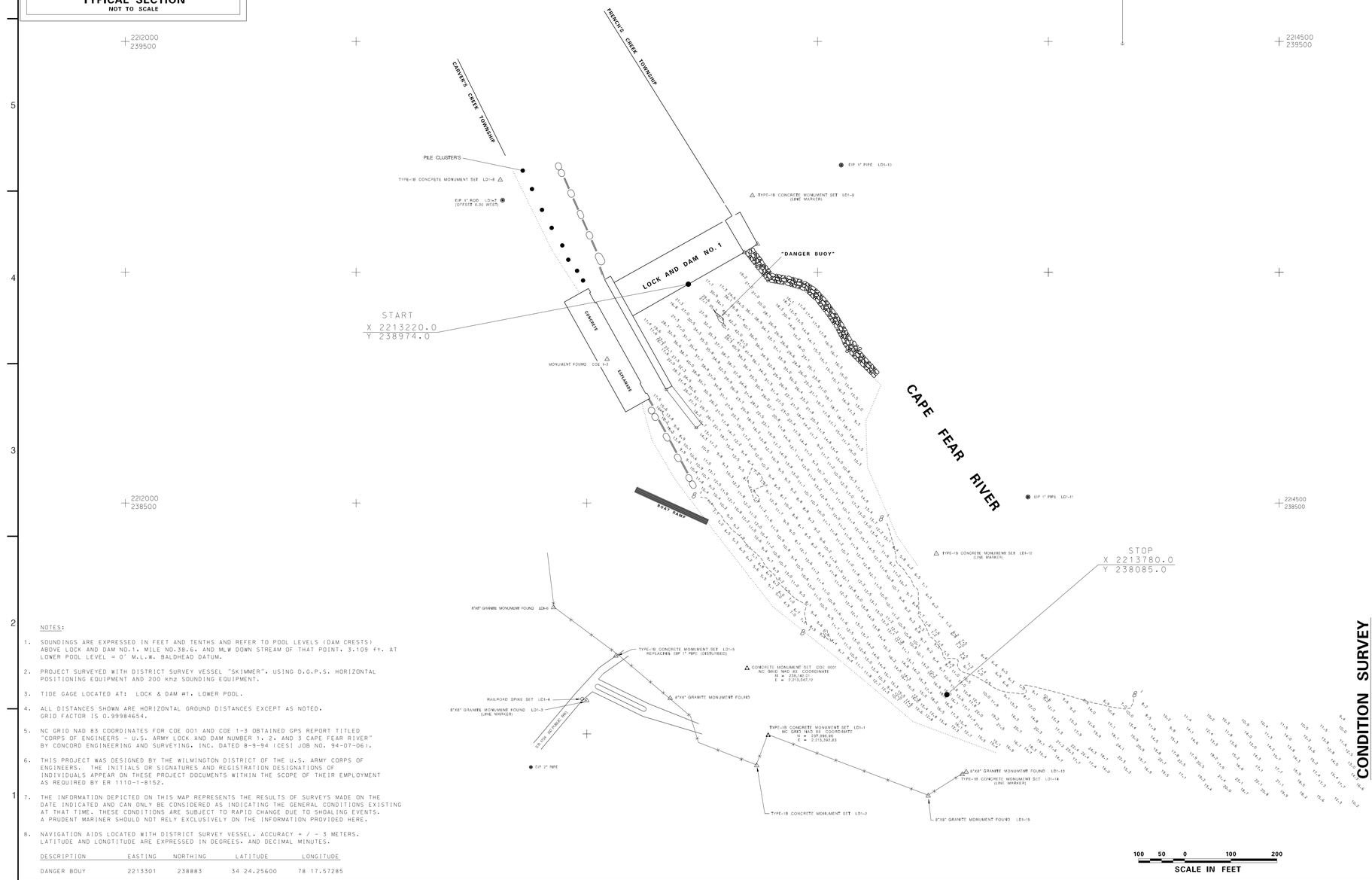



**TYPICAL SECTION**
NOT TO SCALE




**VICINITY MAP**




NOTES:

1. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO POOL LEVELS (DAM CRESTS) ABOVE LOCK AND DAM NO.1. MILE NO.38.6. AND MLW DOWN STREAM OF THAT POINT. 3.109 ft. AT LOWER POOL LEVEL = 0' M.L.W. BALDHEAD DATUM.
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "SKIMMER". USING D.G.P.S. HORIZONTAL POSITIONING EQUIPMENT AND 200 khz SOUNDING EQUIPMENT.
3. TIDE GAGE LOCATED AT: LOCK & DAM #1. LOWER POOL.
4. ALL DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES EXCEPT AS NOTED. GRID FACTOR IS 0.99984654.
5. NC GRID NAD 83 COORDINATES FOR COE 001 AND COE 1-3 OBTAINED GPS REPORT TITLED "CORPS OF ENGINEERS - U.S. ARMY LOCK AND DAM NUMBER 1, 2, AND 3 CAPE FEAR RIVER" BY CONCORD ENGINEERING AND SURVEYING, INC. DATED 8-9-94 (CES) JOB NO. 94-07-06).
6. THIS PROJECT WAS DESIGNED BY THE WILMINGTON DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS OR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER 1110-1-8152.
7. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THESE CONDITIONS ARE SUBJECT TO RAPID CHANGE DUE TO SHOALING EVENTS. A PRUDENT MARINER SHOULD NOT RELY EXCLUSIVELY ON THE INFORMATION PROVIDED HERE.
8. NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL. ACCURACY + / - 3 METERS. LATITUDE AND LONGTITUDE ARE EXPRESSED IN DEGREES. AND DECIMAL MINUTES.

| DESCRIPTION | EASTING | NORTHING | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| DANGER BOUY | 2213301 | 238883 | 34 24.25600 | 78 17.57285 |

US Army Corps of Engineers
Wilmington District

| SYMBOL | DESCRIPTION | DATE | APPROVED | SYMBOL | DESCRIPTION | DATE | APPROVED |
|---|---|---|---|---|---|---|---|

SURVEYED BY: W.E.A.
DRAWN BY: A.D.E.
CHECKED BY:
DATE: 16 JUNE 2008
APPROVED BY: [signature] TIMOTHY E. BARNES
MAP FILE NO.: CFR-105-08-4
SURVEY DATES: 12 JUNE 2008
FILE NAME LD1-0612.DGN
PLOT SCALE: 1:1200

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA

CAPE FEAR RIVER, N.C., ABOVE WILMINGTON

# CONDITION SURVEY
# LOCK & DAM NO.1

PLATE NUMBER

SHEET __ OF __

.../3009SAJE/WORK0/ld1_0612.dgn 6/16/2008 2:41:10 PM