CORPS OF ENGINEERS

U. S. ARMY

LEGEND

TYPE 1–PROBABLE ROCK OUTCROP OR ROCK JUST BELOW A THIN SURFACE VENEER OF SEDIMENTS

TYPE 2–ROCK EXPECTED BELOW AT LEAST 1 FOOT OF RIVER BED SURFACE SEDIMENTS

DR-24 GRAB SAMPLE LOCATION

SCALE: 1"=400'

400 0 400 800 1200

CHECK GRAPHIC SCALE BEFORE USING

NOTES

1. GRID SYSTEM IS IN FEET AND IS THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD 83).
2. SURFACE AND NEAR SURFACE ROCK DELINEATION IS BASED ON THE INTERPRETATION OF GROUND PENETRATING RADAR (GPR) DATA AND SEDIMENT GRAB SAMPLES.
3. DEPTHS TO TOP-OF-ROCK ARE REFERENCED TO ACOE MLW BASED ON TIDE DATA ACQUIRED AT ACOE VERTICAL CONTROL SITE "QUARANTINE DOCK". VOLUME CALCULATIONS WERE ACCOMPLISHED USING "QUICKSURF" VERSION 5.1 (SCHREIBER INSTRUMENTS, INC.). FOR FURTHER DISCUSSION OF GEOLOGICAL INTERPRETATIONS AND VOLUME ESTIMATES REFER TO OSI REPORT NO. 94ES131C.
4. SHORELINE, CHANNEL PRISM LINES, AND RIVER STATIONING ARE APPROXIMATE AND WERE PLOTTED FROM ACOE DRAWINGS (FILE NUMBERS 55171-55183) AND INFORMATION SUBMITTED TO OSI FROM THE ACOE PHILADELPHIA DISTRICT.
5. THE INFORMATION PRESENTED ON THIS CHART REPRESENTS THE RESULTS OF A SURVEY AND SAMPLING PROGRAM PERFORMED BY OCEAN SURVEYS, INC. DURING THE PERIOD 5-12 APRIL 1995 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME.

REVISION	DATE	BY

OCEAN SURVEYS, INC.
91 SHEFFIELD ST.
OLD SAYBROOK, CT. 06475

U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

DR. BY | TR. BY | CK. BY

US Army Corps of Engineers

SUBMITTED: PROJECT ENGINEER

REVIEWED: CHIEF, NAV. & B. E. SECTION

APPROVAL RECOMMENDED: CHIEF, TECH. ENG. BRANCH

GPR SURVEY RESULTS & ROCK QUANTITY ESTIMATES PHASE III

DELAWARE RIVER MAIN CHANNEL PHILADELPHIA TO THE SEA PROJECT PHILADELPHIA, PENNSYLVANIA

APPROVED DATE

CHIEF, ENGINEERING DIVISION

SCALE 1"=400' | SPEC. NO. DACW

DRAWING NUMBER 94ES131C.2

OVERLAY
SHEET 1 OF 1

OSI FILE NO. 94ES131