

FT. DETRICK, MD.
UEPH
SUBSURFACE EXPLORATION NOTES

1. EXPLORATION WAS PERFORMED DURING MARCH 1996.
2. AUGER BORINGS (AB) WERE MADE WITH A POWER AUGER USING A 108m, SPIRAL BIT.
3. DRILL HOLES (DH) WERE ACCOMPLISHED BY STANDARD PENETRATION TEST PROCEDURE (SPT) USING A 34.9mm I.D. SPLIT SPOON SAMPLER. SAMPLE SPOONS WERE ADVANCED BY A 63.5kg HAMMER FALLING 760mm. THESE HOLES WERE POWER AUGERED BETWEEN SAMPLES UNLESS OTHERWISE INDICATED. BLOW COUNTS SHOWN ARE FOR 150mm OF DRIVE UNLESS OTHERWISE INDICATED.

P - DENOTES PRESSED SHELBY TUBE SAMPLE

ROCK WAS CORED WITH AN NQ SERIES CORE BIT

4. BLOW COUNTS REQUIRED TO ADVANCE SAMPLE ARE SHOWN IN COLUMN (a), EXCEPT PERCENT CORE RECOVERY WHICH IS INDICATED WHERE ROCK WAS CORED.
5. THE ROCK COLORS WITH LETTER/NUMBER DESIGNATION ARE IN ACCORDANCE WITH THE "ROCK COLOR CHART" DISTRIBUTED BY THE GEOLOGICAL SOCIETY OF AMERICA. THESE COLORS GIVEN ARE WHEN CORE IS WET.
6. COLUMN (b) SHOWS THE NATURAL WATER CONTENTS IN PER CENT OF DRY WEIGHT OF THOSE SAMPLES TESTED AND PERCENT RQD WHERE ROCK WAS CORED. RQD IS CALCULATED AS NQ SIZE CORE PIECES GREATER THAN OR EQUAL TO 100mm PER RUN AS DRILLED.
7. SOIL DESCRIPTIONS ARE SHOWN IN COLUMN (c).
8. SOIL DESCRIPTIONS ARE LABORATORY CLASSIFICATIONS BASED ON THE UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D2487), EXCEPT THOSE INDICATED THUS (**), WHICH ARE FIELD INSPECTOR'S CLASSIFICATIONS.

ROCK CORE LOGGING ARE BASED ON GUIDLINES PROVIDED BY HQUSACE, AEG(S. AFRICA SECTION), AND SUPPLEMENTAL CRITERIA PROVIDED BY USACE - BALTIMORE DISTRICT.

9. GROUNDWATER DEPTHS ARE INDICATED ON THE LOGS AS , & AND ARE SHOWN IN COLUMN (d). PERTINENT DATA FOR THESE READINGS ARE SHOWN AT THE BOTTOM OF LOG UNDER GROUNDWATER DATA OR ADDITIONAL GROUNDWATER DATA. THE ACTUAL GROUNDWATER LEVEL MAY VARY DEPENDING UPON SEASONS AND AMOUNT OF RAINFALL.
10. ELEVATIONS SHOWN ON THE BORING LOGS ARE GROUND SURFACE ELEVATIONS AT THE TIME OF EXPLORATION. THEY WERE DETERMINED BY SURVEY
11. TEST PITS ARE DENOTED TP.
12. FOR LOCATIONS OF SUBSURFACE EXPLORATIONS SEE SHEET B-1.
13. FOR ROCK CORE TEST RESULTS SEE SHEET B-2.

METRIC