FORMULA SHEET

TOTAL VOLUME OF WATERNA RAIN WATERSHED NCHES (GALLONS) = (ACRES) x OF RAIN x ^{27,154}

GPM REQURED = TOTAL VOLUME OF WATER (GALLONS), + 60 HOURS REQUIRED TO PUMP OFF WATER

HOURS REQUIRED = TOTAL VOLUME (GALLONS) - + 60 TO PUMP GPM PUMPED + 60

D TCH HOLD NG CAPACTY WOTH DEPTH (FEET) LENGTH X (GALLONS) (FEET) X 2 X (FEET) 748

*THESE FORMULAS ASSUME 100% RUNOFF. COMPENSAT ON SHOULD BE MADE DEPEND NG ON EX STNG MOSTURE CONTENT OF THE SOIL.

1 CUB C FOOT OF WATER = 7.48 GALLONS 1 CUB C FOOT OF WATER = 62.4 POUNDS 1 GALLON OF WATER = 8.34 POUNDS 1 TON OF WATER = 239.8 GALLONS IACRENCH = 27,154 GALLONS 1 ACRE FOOT = 325,851 GALLONS 1,000,000 GALLONS PER DAY = 694.4 GPM