_____
PART 4: TAW

Input Paramters:
    TWL- 8.9062 feet
    HS- 3.4461 feet
    PER- 4.9744 seconds
    TOE- x: 22 , z: 0.8689 feet
    TOP- x: 88 , z: 20.9237 feet
    GBERM-   0.96945
    GGROUGH- 0.8
    GBETA-   1
    GPERM-   1

RUNNING TAW:
...
MATLAB DIARY: /4_taw/logfiles/CM-134-DIARY.txt

CHECKING VALIDITY:

...
TAW method is valid!
Using TAW runup to detemine runup elevation
TAW 2% runup: 17.6063 feet

PART 4 COMPLETE_____