```
_____
PART 4: TAW

Input Paramters:
    TWL- 8.8217 feet
    HS-  6.5832 feet
    PER- 14.6161 seconds
    TOE- x: -34 , z: -3.0946 feet
    TOP- x: 102 , z: 25.6297 feet
    GBERM-   0.99728
    GGROUGH- 0.8
    GBETA-   1
    GPERM-   1

RUNNING TAW:
...
MATLAB DIARY: /4_taw/logfiles/CM-159-DIARY.txt

CHECKING VALIDITY:

...
TAW method is valid!
Using TAW runup to detemine runup elevation
TAW 2% runup: 26.7212 feet

PART 4 COMPLETE_____
```