```
_____
PART 4: TAW

Input Paramters:
    TWL- 8.7522 feet
    HS-  10.9296 feet
    PER- 14.4675 seconds
    TOE- x: -3 , z: -0.8406 feet
    TOP- x: 113 , z: 31.0278 feet
    GBERM-   0.93231
    GGROUGH- 0.8
    GBETA-   1
    GPERM-   1

RUNNING TAW:
...
MATLAB DIARY: /4_taw/logfiles/CM-140-DIARY.txt

CHECKING VALIDITY:

...
TAW method is valid!
Using TAW runup to detemine runup elevation
TAW 2% runup: 37.0805 feet

PART 4 COMPLETE_____
```