① Narr Bay Sak R. Ent.

Sakonnet

HURRICANE AND TIDAL DATA FOR SEPTEMBER 21, 1938.

(Please fill out as completely as possible, giving best estimates you can in cases where accurate determination is impossible. Please note whether figures are actual or estimated in each case).

LOCATION OF OBSERVATION

1. Maximum height of tide above mean high water or mean low water (state which is used), as measured by height on buildings or towers reached by solid water. Twenty feet Mean High Water measured from Normal High on Rock and base of light, No low Water.

2. Time of day that peak height occurred. five fifteen P. m.

3. State whether standard or daylight time. Standard time

4. Were preceding and following low waters of normal height? No

5. Actual times of low waters, if available. Could not state time.

6. Time that abnormal rise was first noted. Two P.m. Standard time

7. Time that water returned to normal height. Sept. 23, 1938.

8. Heights reached at any intermediate known times, such as elevations of floors, window sills or other features with times that solid water level reached them if any are available. If no actual recorded times are available, report times from memory as accurately as possible.

At three P.m. Seas Were rolling even With Cross bars in Windows of Kitchen about twenty four to Twenty six feet high.

9. Any available barometer readings with times.

We have no readings of barometer but from memory at about nine am. the barometer stood at twenty nine twenty

10. Wind forces and directions with times.

Wind direction East South East.

11. Times of changes in wind direction. About three a.m. Sept. 22, 1938 It went to the South West.

12. Temperatures and weather conditions and other remarks.

I should say about sixty degrees
Cloudy A.M. Fog 2 P.M. to 4 P.M.
After that hour there were so much spray and foam flying over the station We Could not tell the Weather Conditions.
We also had a hard down pour of rain 12 noon until 2 P.M. then fog set in.

13. Observed heights of waves above elevation of solid water. About seventy feet.

14. Time intervals between waves. We estimate the time between Waves less than one minute.

15. Were stones or other objects washed up by waves? If so, description, estimated weight of object, and elevation of structure on which they were deposited.

Small gravel, Star fish, Rock Crabs Sea Weed, Kelp. And Perry Winkels, It Crown thrown Windows a Height of fifty two feet.

16. Maximum height at which objects were damaged by wave action.

About fifty two feet three quarter inch plates broken in landing under lens room

17. Description of damages and estimated loss.

Boats, Boat Landing, Crane, Oil storage tank, Rain shed, Stairs, Engine room, Engines, Windows, Doors and Ramps toilet, Ceilings and floors, And deck plates on second landing. Estimated at over twenty thousand dollars damage.

U. S. Engineer Office
Providence, R. I.
December 1, 1938

Signed Wm. H. Durfee Keeper
Sakonnet Lt. Sta. Rhode Island.