## Forensic Files



### HURRICANE SEASON

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Yards of beach were swept inland by flooding. Picture by T. Pressler

In 1982 Hurricane Iwa brushed the Island of Kauai, but it was barely hit. The eye passed 30 miles northwest of Kauai. Thirty foot waves demolished resorts in Poipu and 44 of 45 boats moored in Port Allen were sunk. Hurricane Iwa damaged or destroyed about 7,426 houses and apartments statewide. About two-thirds of the housing units damaged were on Kauai. 5,800 people were evacuated. The damage was estimated at \$234,000,000; about 1/3 of it on Kauai.

Hurricane Iwa moved with a forward speed of 30 to 40 mph past Kauai with maximum sustained winds estimated at approximately 90 mph. A small area near the center had gusts as high as 120 mph. Surf and water damage to shoreline property was extensive along the entire south shore of Kauai. Mr. Pressler provided engineering assistance to several Hotels during the reconstruction period of approximately one year.



Luxury ocean front view

# High --> water marks from salt water flooding



Motor starters submersed in salt water
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### STORM CATEGORIES:

Tropical storms are named once they obtain sustained winds of 39 to 73 mph.

### Hurricanes:

Category 1:winds 74-95mph, storm surge of 4-6ft. above normal.

Category 2:winds 96-110mph, storm Surge 6-10ft.
Category 3:winds 111-130mph, storm surge 10-16ft.
Category 4:winds 131-155mph, storm surge 16-22ft.
Category 5:winds greater than 155mph and a storm surge greater than 22ft above normal.
Though Two was only listed as a Category 1

Though Iwa was only listed as a Category 1 hurricane a large amount of destruction by wind and waves occured. It seems miraculous that injuries and loss of life were so small.



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