



**Hawaii Hazards Awareness & Resilience Program**

Produced by  
Hawaii State Civil Defense



**HAWAII HAZARDS AWARENESS & RESILIENCE PROGRAM:**

**GOAL:** To enhance community resilience to multiple hazards through a facilitated education and outreach program that promotes hazard understanding and awareness, and offers tools and information resources to guide mitigation, preparedness, response and recovery.




**FLOOD MONITORING, WARNING & RESPONSE ACTIONS**

Module 2: Detection, Warning & Response

**Contents**

- Flood Warning in Hawaii
- National Weather Service (NWS) Flood Products
  - What They Are
  - What They Mean
- Hawaii Dam Safety Program
- Flood Safety Rules



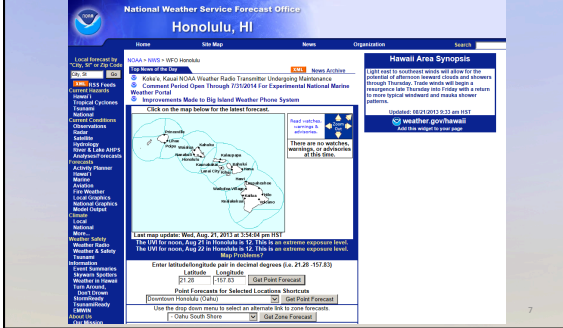
Module 2: Detection, Warning & Response

**FLOOD WARNING IN HAWAII**

**Flood Warning in Hawaii**

- The National Weather Service (NWS) Forecast Office located in Honolulu, Hawaii is the science authority on flooding and provides watches, warnings, advisories, and forecasts for hazardous weather conditions for the Hawaiian Islands and surrounding waters.
- Located at the University of Hawaii, Manoa campus.

## National Weather Service Forecast Office in Honolulu, Hawaii



## Hawaii Dam Safety Program

- The Engineering Division of the State of Hawaii Department of Land and Natural Resources (DLNR) administers the Hawaii Dam Safety Program. DLNR:
  - Inspects and monitors dams and reservoirs throughout the state.
  - Requires approval for new dam construction and/or alterations to existing dams.
  - Are authorized to enter private property and require maintenance or repairs as needed.

## Flood Warning in Hawaii

- Civil Defense receives official flood information from NWS and other agencies and makes decisions regarding safety and evacuation.
- Emergency response personnel provide guidance to the public and manage evacuation activities.

## Flood Warning in Hawaii (continued)

- **YOUR ROLE:**
  - Heed official guidance.
  - Closely monitor radio, TV, or NOAA Weather Radio for official bulletins.
  - Activate your personal disaster plan (secure your home, assist family members or neighbors, take your disaster supply kit, etc.)

## Flood Warning in Hawaii (continued)

- Tune in to your local radio station:

Location	Call sign	Frequency
Oahu	KSSK	590AM
	KRTR	96.3FM
Kauai	KQNG	93.5FM
Maui	KMVI	550AM
Hilo	KWXX	94.7FM
Ka'u	KAHU	91.7FM
Kona	KKBG	97.9FM
Foreign Language Stations: Filipino, Korean, Japanese, etc.	KNDI	1270AM
	KREA	1540AM
	KZOO	1210AM

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## NWS FLOOD PRODUCTS

## What is an NWS Flood Advisory?

- An **ADVISORY** is issued when a hazardous weather or hydrologic event is **occurring, imminent or likely**. Advisories are for **less serious conditions than warnings**, that cause significant inconvenience and if caution is not exercised, could lead to situations that may threaten life or property.

Source: NWS Honolulu

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## What does a Flood Advisory mean?

- Exercise caution due to hazardous driving conditions. Be alert for ponding & debris on roadway; slippery roads & poor visibility.



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## What is an NWS Flood Watch?

- A **WATCH** is issued when the **risk of a hazardous weather or hydrologic event has increased significantly**, but its occurrence, location or timing is **still uncertain**. A watch means that hazardous weather is possible. People should **have a plan of action** in case a storm threatens and they should listen for later information and possible warnings especially when planning travel or outdoor activities.

Source: NWS Honolulu

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## What does a Flood Watch Mean?

- Flooding is possible. Be alert!



Source: POC

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## What is an NWS Flood Warning?

- A **WARNING** is issued when a hazardous weather or hydrologic event is **occurring, imminent or likely**. A warning means weather conditions pose a threat to life or property. People in the path of a storm need to **take protective action**.

Source: NWS Honolulu

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## What does a Flood Warning Mean?

- Flooding is imminent or already occurring. Get to high ground if you are in a flood prone area.



Source: Unknown

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## Learning Check

1. What is YOUR role before/during a flood event?
2. Where can you find information on Flood Advisories/Watches/Warnings?
3. What are the three levels of flood alerts?




Module 2: Detection, Warning & Response

## FLOOD SAFETY RULES

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## Flood Safety Rules




- Monitor the NOAA Weather Radio, or your favorite news source for important weather related information.
- If flooding occurs, get to higher ground. Get out of areas subject to flooding. This includes dips, low spots, gulches, areas of runoff, coastal outlet areas, etc.
- Avoid areas already flooded, especially if the water is flowing fast. Do not attempt to cross flowing streams.

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## Flood Safety Rules

(Continued)



- Road beds may be washed out under flood waters. NEVER drive through flooded roadways. If your vehicle is suddenly caught in rising water, leave it immediately and seek higher ground.
- Do not camp or park your vehicle along streams and washes, particularly during threatening conditions.
- Be especially cautious at night when it is harder to recognize flood dangers.


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## Learning Check

1. What should you do if flooding occurs?
2. True or False: While driving, should you cross a flooded roadway?

## Questions?



## MAHALO

The Hawaii Hazards Awareness & Resilience Program (HHARP) is the result of a collaborative partnership between Hawaii State Civil Defense and the Pacific Disaster Center.

Point of Contact: Hawaii State Civil Defense  
Phone: (808) 733-4300



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