

NOAA

*National
Weather
Service*

2022 Central Pacific Hurricane Season Outlook

May 18, 2022





2022 Central Pacific Hurricane Season Outlook



Speaking:



John Bravender

Warning Coordination Meteorologist

NOAA National Weather Service – Central Pacific Hurricane Center



- **Welcome/Introduction**
- Hawaii Wet Season Review and Dry Season Outlook
- Presentation of the Dr. Arthur Chiu Hurricane Preparedness Award
- Preparedness Message – Strengthening Your Home
- Summary of 2021 Central Pacific Hurricane Season
- Seasonal Outlook for 2022 Central Pacific Hurricane Season
- Question and Answer





2022 Central Pacific Hurricane Season Outlook



Speaking:



Kevin Kodama

Senior Service Hydrologist

NOAA National Weather Service – Weather Forecast Office Honolulu



- Welcome/Introduction
- **Hawaii Wet Season Review and Dry Season Outlook**
- Presentation of the Dr. Arthur Chiu Hurricane Preparedness Award
- Preparedness Message – Strengthening Your Home
- Summary of 2021 Central Pacific Hurricane Season
- Seasonal Outlook for 2022 Central Pacific Hurricane Season
- Question and Answer

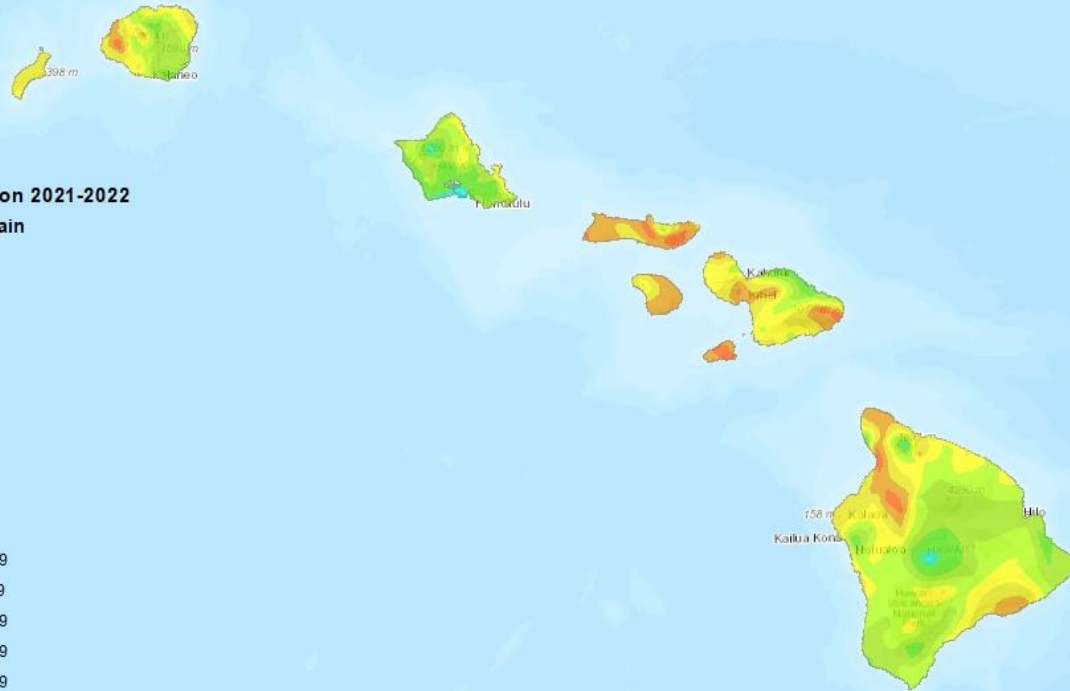
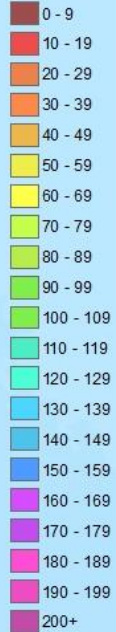


2021-2022 Wet Season (Oct-Apr) Rainfall

Legend

Wet Season 2021-2022

Pct Avg Rain





2022 Central Pacific Hurricane Season Outlook



Speaking:



Luke Meyers

Administrator

Hawaii Emergency Management Agency



- Welcome/Introduction
- Hawaii Wet Season Review and Dry Season Outlook
- **Presentation of the Dr. Arthur Chiu Hurricane Preparedness Award**
- Preparedness Message – Strengthening Your Home
- Summary of 2021 Central Pacific Hurricane Season
- Seasonal Outlook for 2022 Central Pacific Hurricane Season
- Question and Answer





2022 Central Pacific Hurricane Season Outlook



Speaking:



Dennis Hwang

Faculty

University of Hawaii Sea Grant College Program, NOAA



- Welcome/Introduction
- Hawaii Wet Season Review and Dry Season Outlook
- Presentation of the Dr. Arthur Chiu Hurricane Preparedness Award
- **Preparedness Message – Strengthening Your Home**
- Summary of 2021 Central Pacific Hurricane Season
- Seasonal Outlook for 2022 Central Pacific Hurricane Season
- Question and Answer





Maunalani Heights – January 18, 2021



Courtesy Jocelyn O'Neill

UH Sea Grant College Program

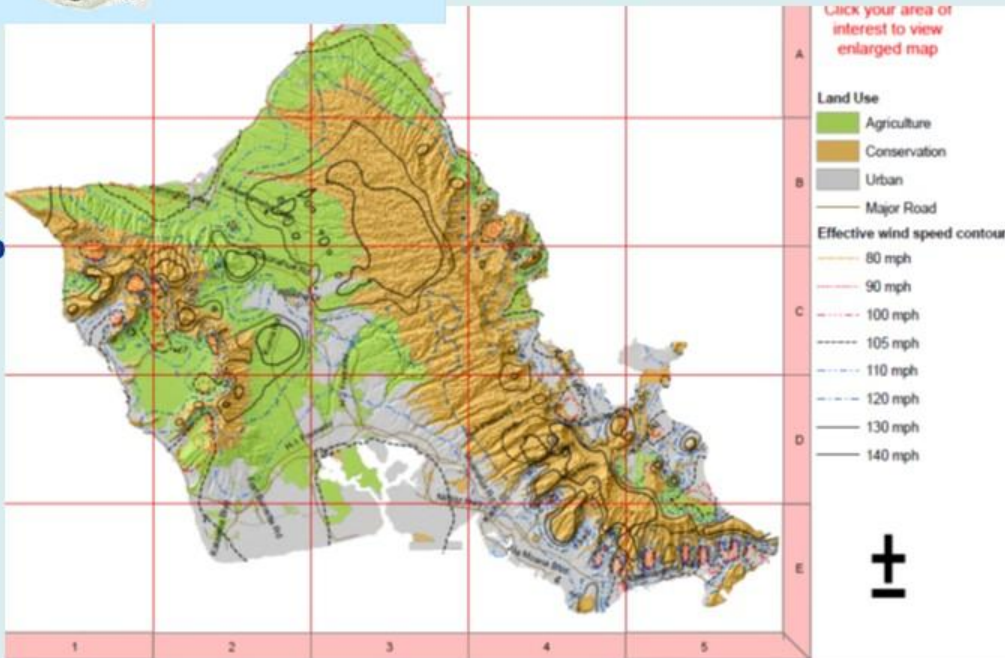


January 18, 2021
Winds—22-30 mph
sustained;
gusts 50 mph



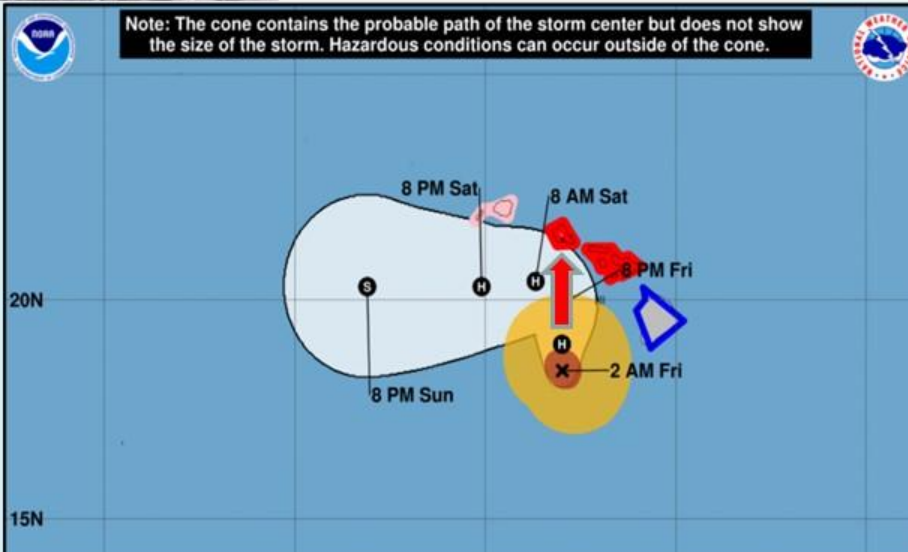
Topographic
Speed Up to 40%

Simulating
weak Hurricane
in one location.



2018 Hurricane Lane

If Category 2 hits Oahu,
52,000 households
displaced – \$27 billion
in damages – 2018
Pacific Disaster Center
Study using FEMA
HAZUS Tool.



To Prevent This

Iniki 1992



Iniki 1992



2021
Maunalani
Heights



Tie Roof to Wall – Hurricane Ties/Clips



2 Saturdays and \$300 in material costs (seek advice of licensed architect or structural engineer first)

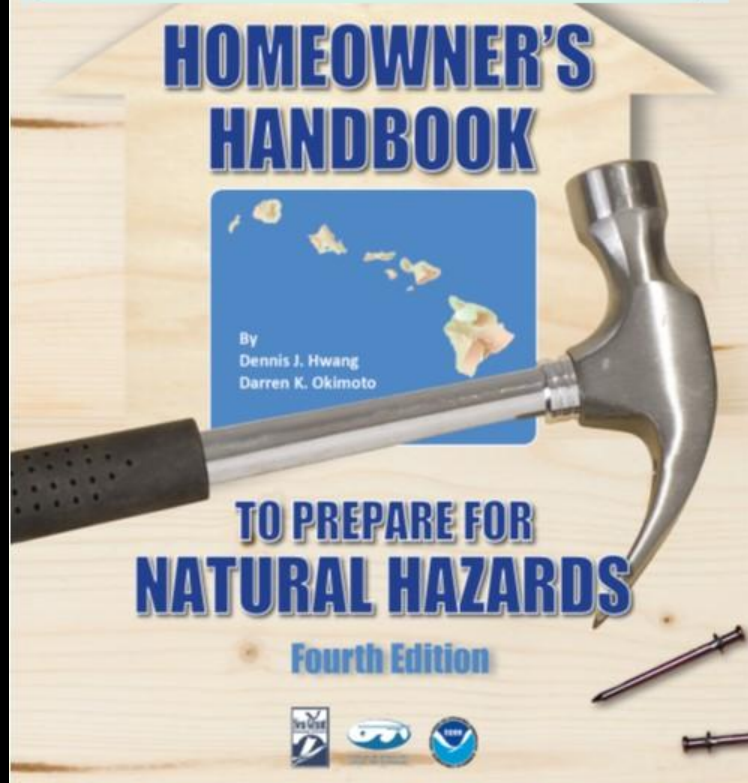
Or \$2,100 with licensed contractor



Almost every house in the State can be relatively easily retrofitted.

About 6,000-7,000 homes retrofitted.

Now Available online as free PDF –
<http://bit.ly/HawaiiHomeownersHandbook>



Printed copies available at
your Hawaii Public Library.

Covers:

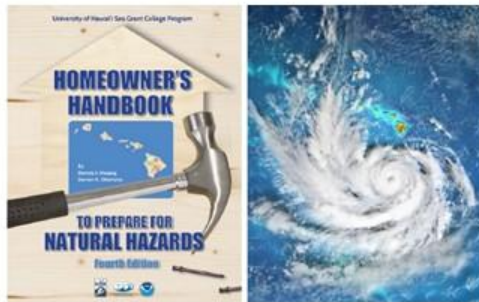
- A. Multi-Hazard Risk
- B. Emergency Supplies
Evacuation Planning
- C. Home Strengthening
 1. Tie Roof to Wall
 2. Window Protection
 3. Garage & Doors
 4. Extend load path
 5. Roof improvements
- D. Financial Incentives
- E. Insurance – Flood & Wind

*Resilient, Sustainable and
Adaptive Best Practices!*



VIRTUAL EVENT

PREPARING FOR HURRICANE SEASON



Friday
May 27, 2022
10:00 to 11:00 a.m.

Are you prepared for the next hurricane? Learn how the *Homeowner's Handbook to Prepare for Natural Hazards* can help prepare your family and home for hurricane season. The webinar will cover emergency supplies, emergency/evacuation planning and strengthening your house to reduce the risk of hurricane damage.

Free copies of the handbook are available at all Hawai'i public libraries, while supplies last.

REGISTRATION IS REQUIRED

Scan the QR code with your mobile device or go to
librarieshawaii.org/event/hurricane-preparedness





Are You Prepared? Plan for a Hurricane

Hurricanes are notable for their scale, unpredictability or both. Join AARP Hawai'i online in June for FREE events to help you plan ahead.

Saturdays - 10 AM to 11 AM

June 4 - *Hurricanes: How Bad Can it Get?*

June 11 - *Build Your Disaster Plan*

June 18 - *Prepare Your Home for a Hurricane*

June 25 - *Prepare for a Hurricane: What to do if You Live In a High Rise*

Register Here: <http://aarp.cvent.com/hiprep2022>

MAUI COUNTY DISASTER PREPAREDNESS EXPO

Ho'omākaukau

GET READY
WITH YOUR
'OHANA



PRIZES
PRESENTATIONS
EXHIBITS

SATURDAY // JUNE 4TH 2022 // 10:00 AM - 2:00 PM
QUEEN KA'AHUMANU CENTER
275 W KA'AHUMANU AVE, KAHULUI, HI 96732

PRESENTED BY: MAUI EMERGENCY MANAGEMENT AGENCY
For more information please call: (808) 270 - 7285

Ho'omākaukau

"GET PREPARED"

Maui County Disaster Preparedness Expo

Featuring Exhibits and Presentations
Prize Drawings throughout the event!

Saturday, June 4, 2022
10:00 AM - 2:00 PM
Queen Ka'ahumanu Center
275 W. Ka'ahumanu Ave, Kahului



Presented by:
Maui County Emergency Management Agency
For more information call: (808) 270-7285

Upcoming Events

Prepare for Hurricane Season(s)

May
27

Hawai'i Public Library - Preparing for Hurricane Season

10:00 AM - 11:00 AM
Zoom Webinar
Register: <https://www.librarieshawaii.org/event/hurricane-preparedness>

June
4

AARP - Hurricanes: How Bad Can It Get?

10:00 AM - 11:00 AM
Zoom webinar
Register at: <http://aarp.cvent.com/hiprep2022>

June
4

Maui Emergency Preparedness Fair

10:00 AM - 2:00 PM
Queen Ka'ahumanu Center
colleen.hauptman@co.maui.hi.us

June
11

AARP - Build Your Disaster Plan

10:00 AM - 11:00 AM
Zoom webinar
Register at: <http://aarp.cvent.com/hiprep2022>

June
18

Waipahu Health & Safety Fair

9:30 AM - 3:00 PM
Waikale Shopping Center
aaron.ho@honolulu.gov

June
25

AARP - Prepare Your Home for a Hurricane

10:00 AM - 11:00 AM
Zoom webinar
Register at: <http://aarp.cvent.com/hiprep2022>

June
25

AARP - Prepare for a Hurricane: What To Do If You Live In a High Rise

10:00 AM - 11:00 AM
Zoom webinar
Register at: <http://aarp.cvent.com/hiprep2022>

Aina Haina Preparedness Fair

10:00 AM - 2:00 PM
Kahala Mall
ainahainaprepared@gmail.com





2022 Central Pacific Hurricane Season Outlook



Speaking:



Christopher Brenchley

Director

NOAA National Weather Service – Central Pacific Hurricane Center

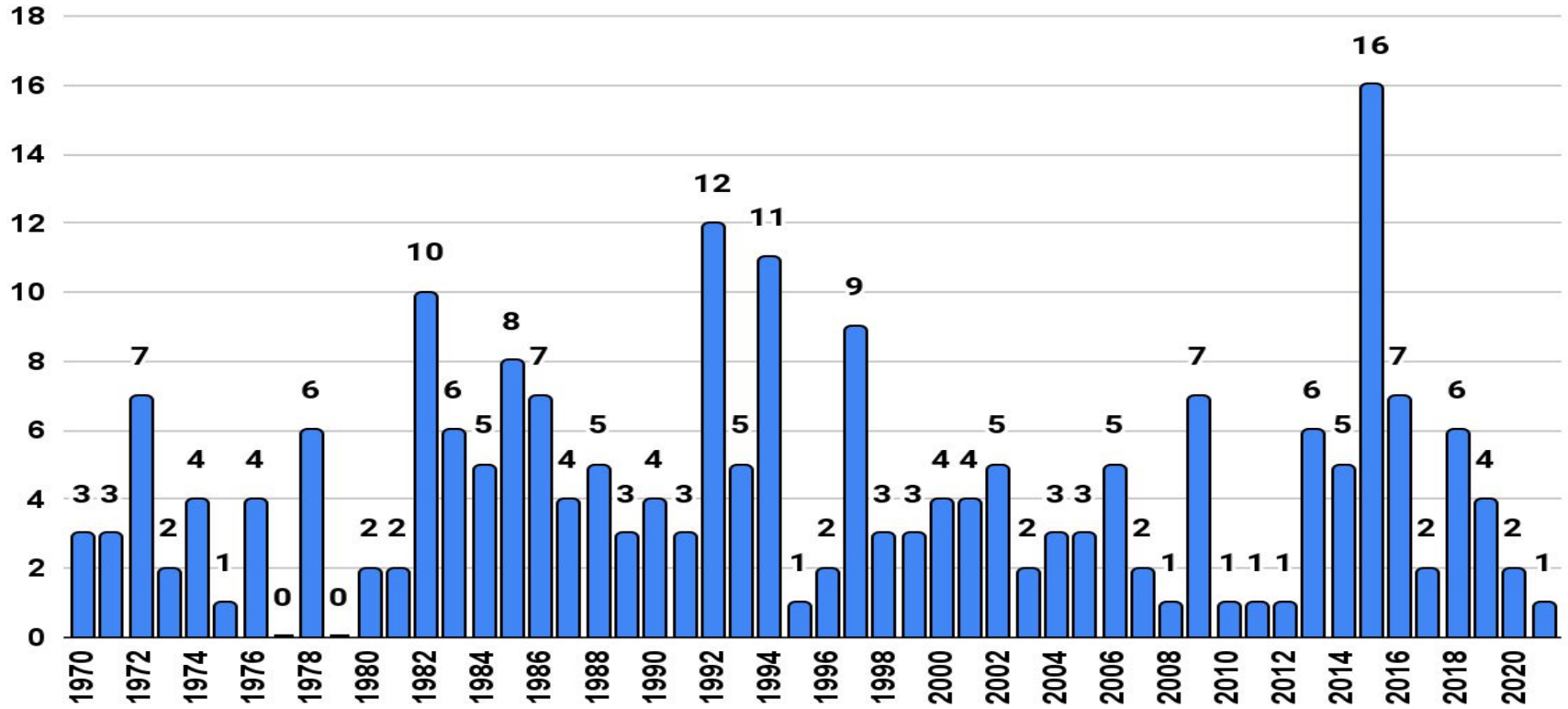


- Welcome/Introduction
- Hawaii Wet Season Review and Dry Season Outlook
- Presentation of the Dr. Arthur Chiu Hurricane Preparedness Award
- Preparedness Message – Strengthening Your Home
- **Summary of 2021 Central Pacific Hurricane Season**
- **Seasonal Outlook for 2022 Central Pacific Hurricane Season**
- Question and Answer





Previous Seasons

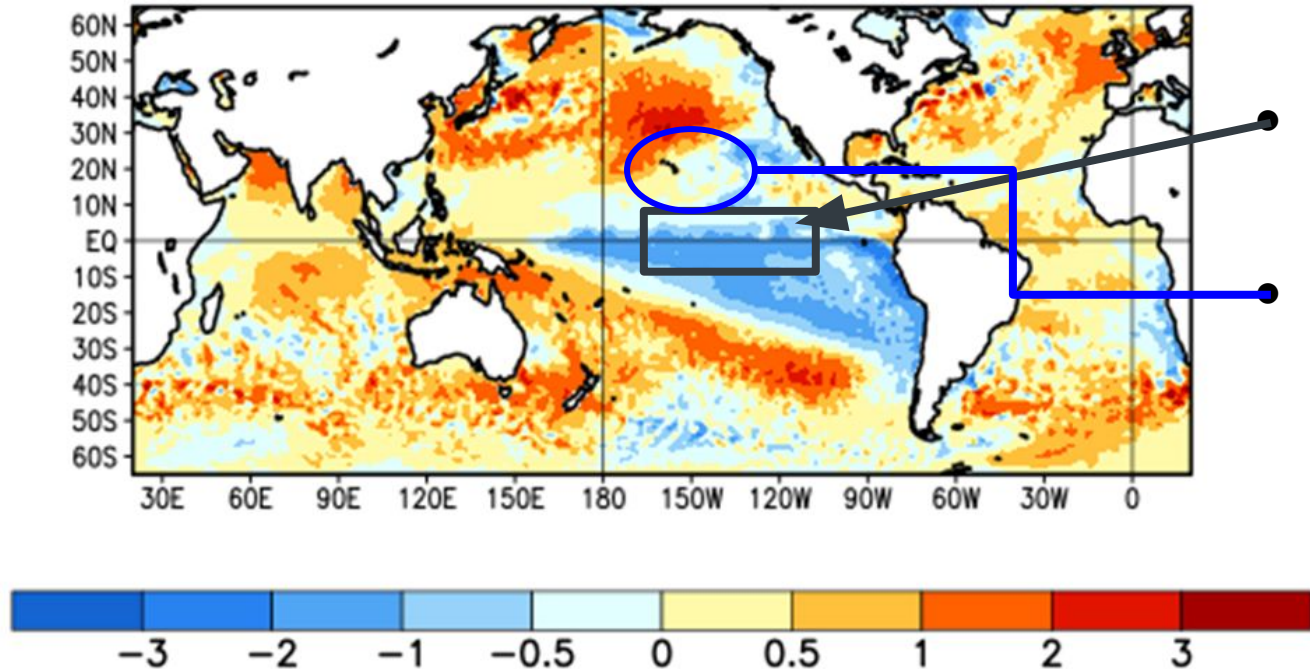




Seasonal Climate Outlook Factors



Average SST Anomalies
17 APR 2022 – 14 MAY 2022



La Nina conditions likely through 2022.

Persistent strong vertical wind shear over the central Pacific



2022 Central Pacific Season Outlook



NOAA's National Weather Service Climate Prediction Center predicts:



2-4 Tropical Cyclones (includes tropical depressions, storms and hurricanes) forming or moving into the central Pacific



- 60% chance of below normal season
- 30% chance of near normal season
- 10% chance of above normal season



This is *NOT* a forecast of hurricane landfalls in Hawaii.





2022 Central Pacific Hurricane Season Outlook



Speaking:



John Bravender

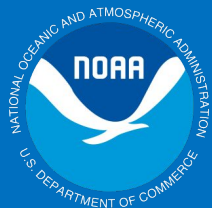
Warning Coordination Meteorologist

NOAA National Weather Service – Central Pacific Hurricane Center



- Welcome/Introduction
- Hawaii Wet Season Review and Dry Season Outlook
- Presentation of the Dr. Arthur Chiu Hurricane Preparedness Award
- Preparedness Message – Strengthening Your Home
- Summary of 2021 Central Pacific Hurricane Season
- Seasonal Outlook for 2022 Central Pacific Hurricane Season
- **Question and Answer**





NOAA

*National
Weather
Service*

2022 Central Pacific Hurricane Season Outlook

May 18, 2022

