



Drought Information Statement for the Main Hawaiian Islands

Valid May 10, 2024

Issued By: WFO Honolulu, HI

Contact Information: w-hfo.webmaster@noaa.gov

- This product will be updated June 21, 2024 or sooner if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/hfo/DroughtInformationStatement> for previous statements.

- Severe drought continues over portions of the Big Island and Maui.



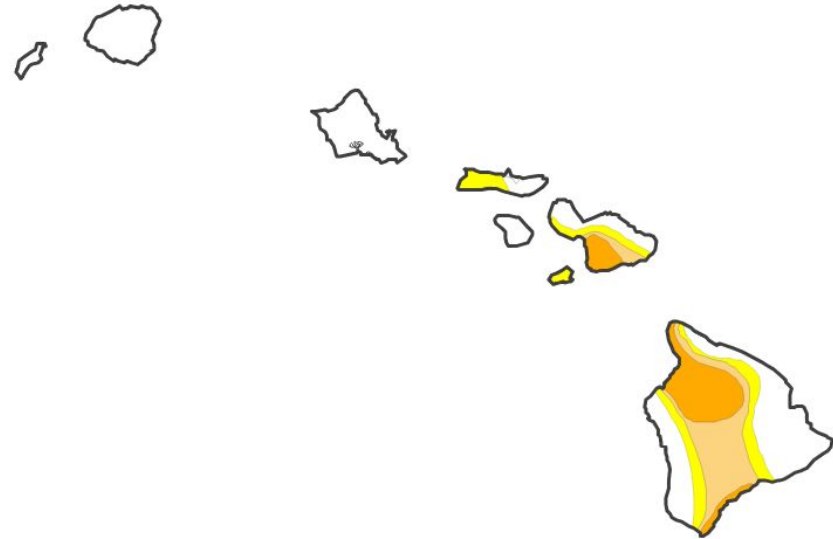


U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for the main Hawaiian Islands

- Above average April rainfall removed drought over Kaua'i and Oahu. Leeward areas on Maui and the Big Island remained dry.
- Drought intensity and Extent
 - **D2 (Severe Drought)**: Continued over leeward east Maui, the northwestern portion of the Big Island, and the lower elevations of the Big Island's southeastern flank.
 - **D1 (Moderate Drought)**: Present over southeast Maui and the southeast flank of the Big Island.
 - **D0: (Abnormally Dry)**: Remains over leeward Moloka'i, leeward West Maui, and portions of the Big Island.

U.S. Drought Monitor



U.S. Drought Monitor



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 05/07/24



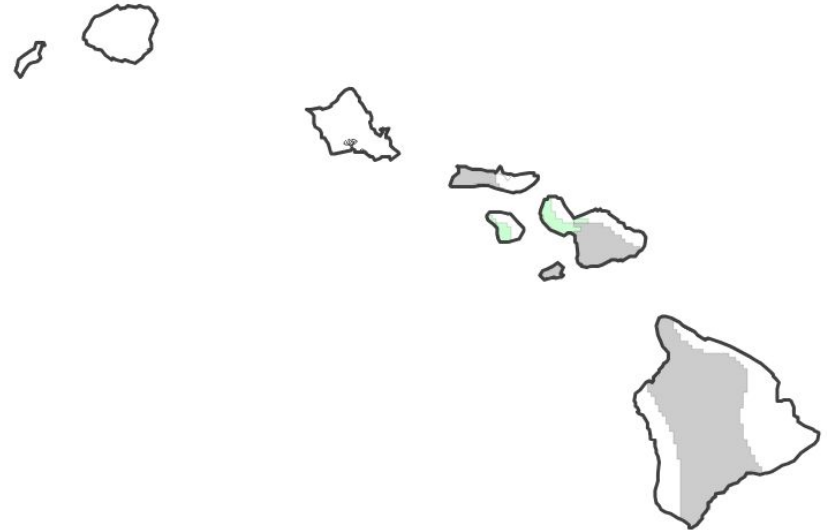


Recent Change in Drought Intensity

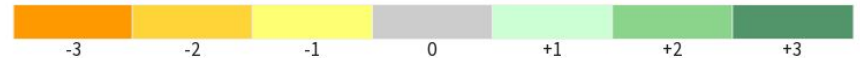
Link to the latest [4-week change map](#) for the main Hawaiian Islands

- One Week Drought Monitor Class Change.
 - Drought Improved: West Maui and Lānaʻi.
 - No Change: Leeward portions of east Maui, Molokaʻi, and the Big Island.
- Four Week Drought Monitor Class Change.
 - Drought Improved: Kauaʻi, Oʻahu, and portions of Maui County.
 - No Change: Leeward east Maui and the Big Island.

U.S. Drought Monitor 1-Week Change Map



Drought Change Since Last Week



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

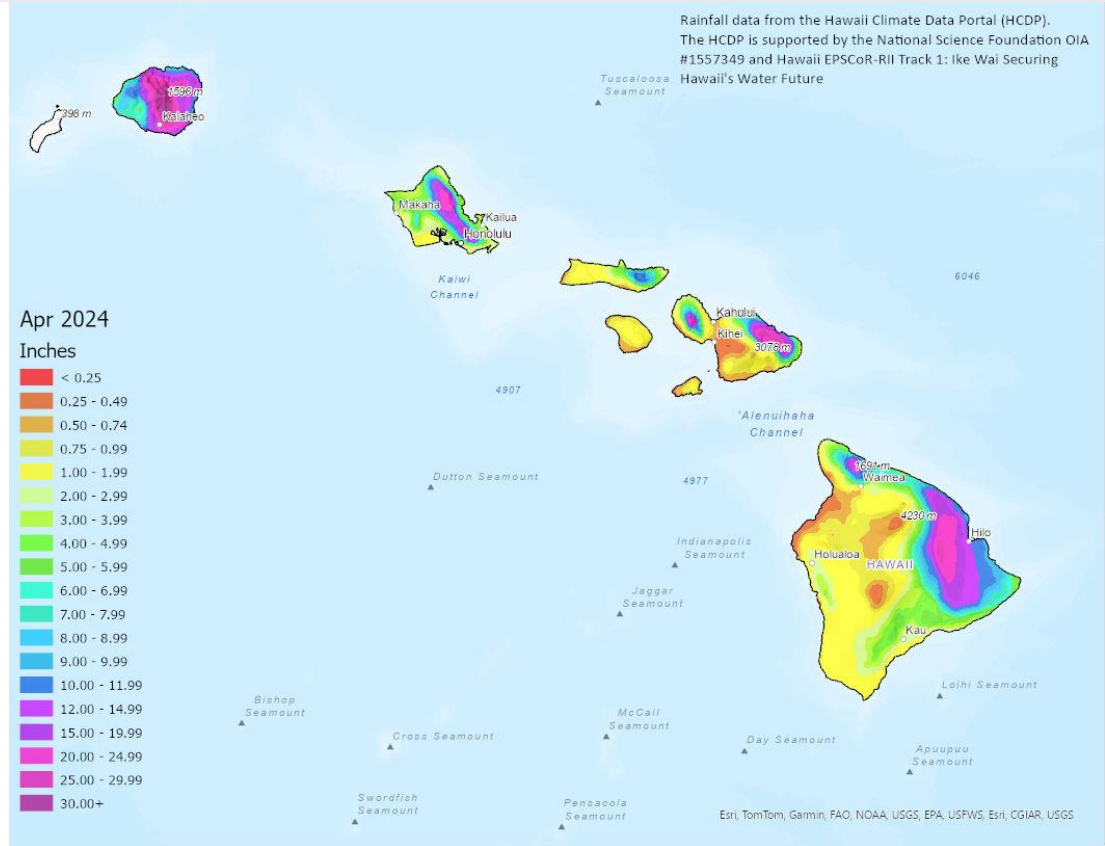
Data Valid: 05/07/24





Precipitation

- Kaua'i had very wet conditions in April with some locations receiving record rainfall.
- Windward (east-facing) areas of the rest of the state had near to above average rainfall.
- Most leeward areas in Maui County and the Big Island had below average April rainfall.





Summary of Impacts

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

Hydrologic Impacts

- There are no known impacts at this time

Agricultural Impacts

- Pastures over the leeward slopes of Maui were in very poor condition (USDA/FSA).
- Pastures over the lower elevations of the Ka'ū District of the Big Island were in poor condition (report via email from ranchers).

Fire Hazard Impacts

- Several brush fires have occurred on fallow agricultural lands over the past couple of weeks (Maui Now).

Other Impacts

- There are no known impacts at this time

Mitigation Actions

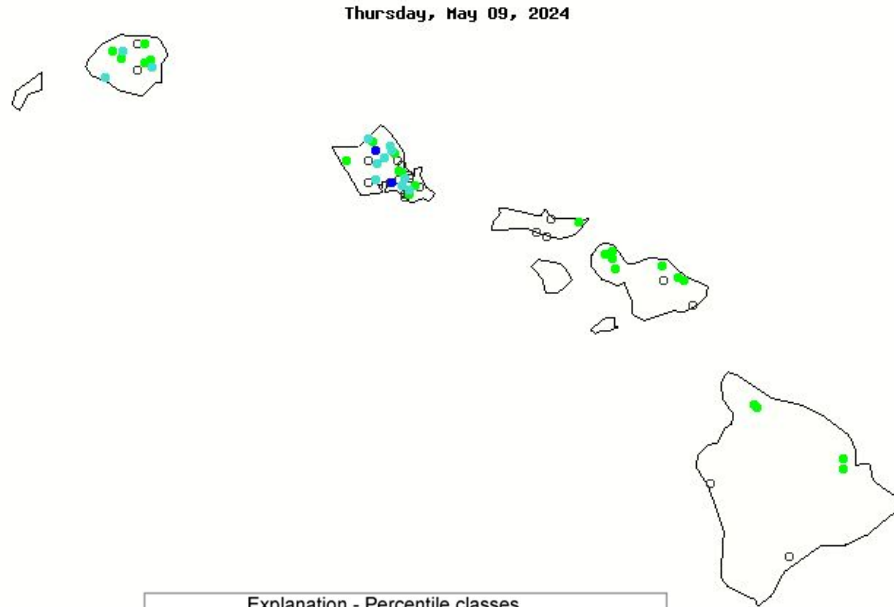
- A Stage 1 Water Shortage for the Upcountry water service area on Maui remains in effect. The Stage 1 Water Shortage puts restrictions on the use of water for certain activities such as irrigation, watering lawns, washing vehicles, and other non-essential activities. (Maui County Dept. of Water Supply)





Hydrologic Conditions and Impacts

- Most of the gages across the state indicated normal to above normal 14-day flow levels.
- The 28-day flow levels were mostly in the normal range from O‘ahu to the Big Island. Most of the Kaua‘i gages were in the “much above normal” range.



Explanation - Percentile classes							
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	No Data

Image Caption: USGS 14 day average streamflow map valid May 9, 2024.





Drought Outlook

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Climate models favor below normal precipitation across the main Hawaiian Islands through the end of spring and into early summer 2024. This may result in the development or persistence of drought in some areas, especially in the east half of the state.
- Wet April conditions on Kaua'i and O'ahu should help delay the onset of drought conditions on these islands until later in the summer.

Seasonal (3-Month) Drought Outlook



Drought Is Predicted To...



Source(s): Climate Prediction Center; image courtesy of Drought.gov

Data Valid: 04/30/24

Links to the latest:

- [Climate Prediction Center Monthly Drought Outlook](#)
- [Climate Prediction Center Seasonal Drought Outlook](#)

