



# Extended Drought Scenario for FEMA's Threat and Hazard Identification and Risk Assessment Process



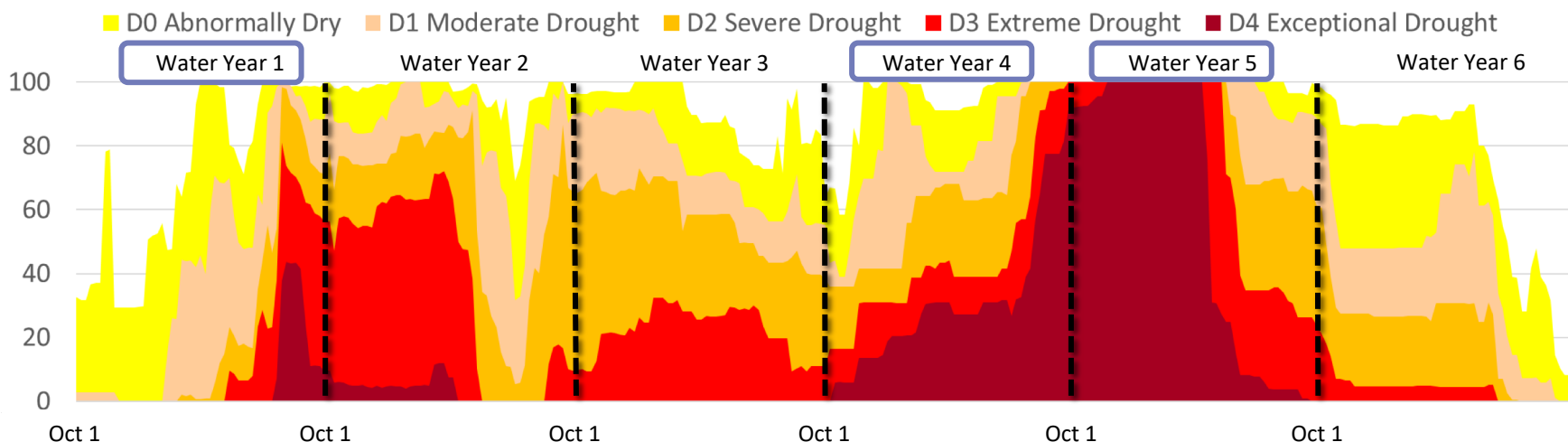
# Scenario Overview

Multi-year drought focusing on the following time points:

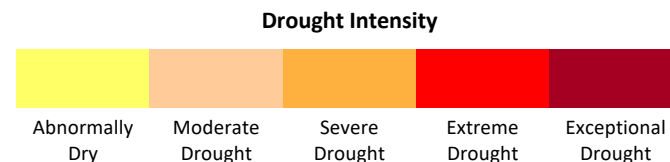
WY 1: Drought begins to develop

WY 4: Drought continues with an increase in spatial extent and severity

WY 5: Peak of drought extent and severity before gradual improvement

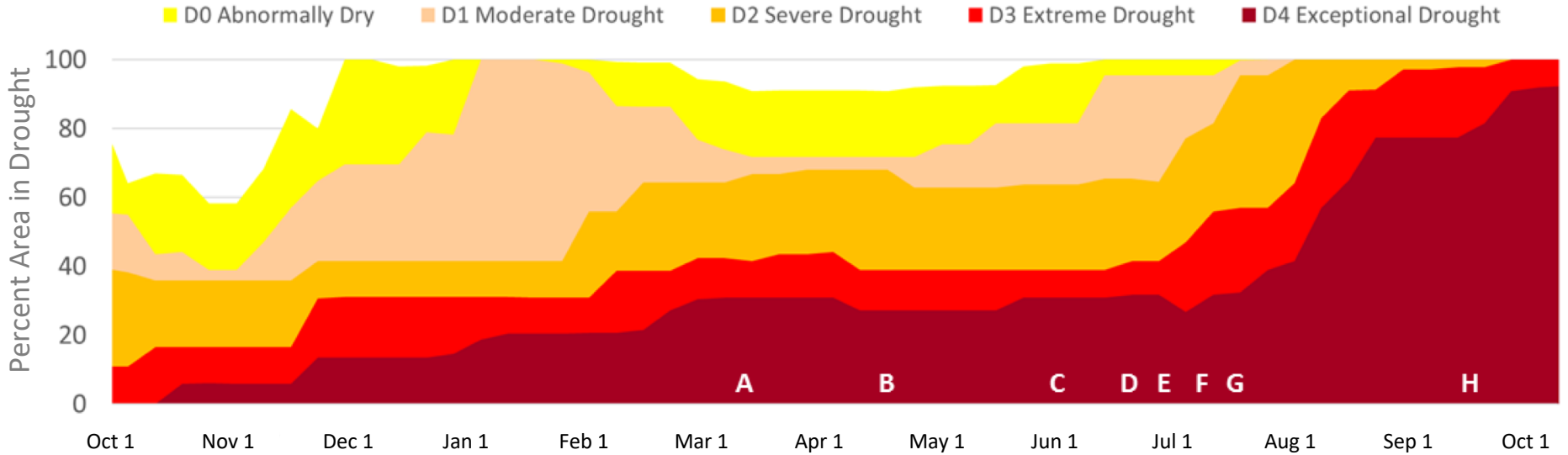


Percent area in drought (*adapted from the U.S. Drought Monitor*).



# Water Year 4

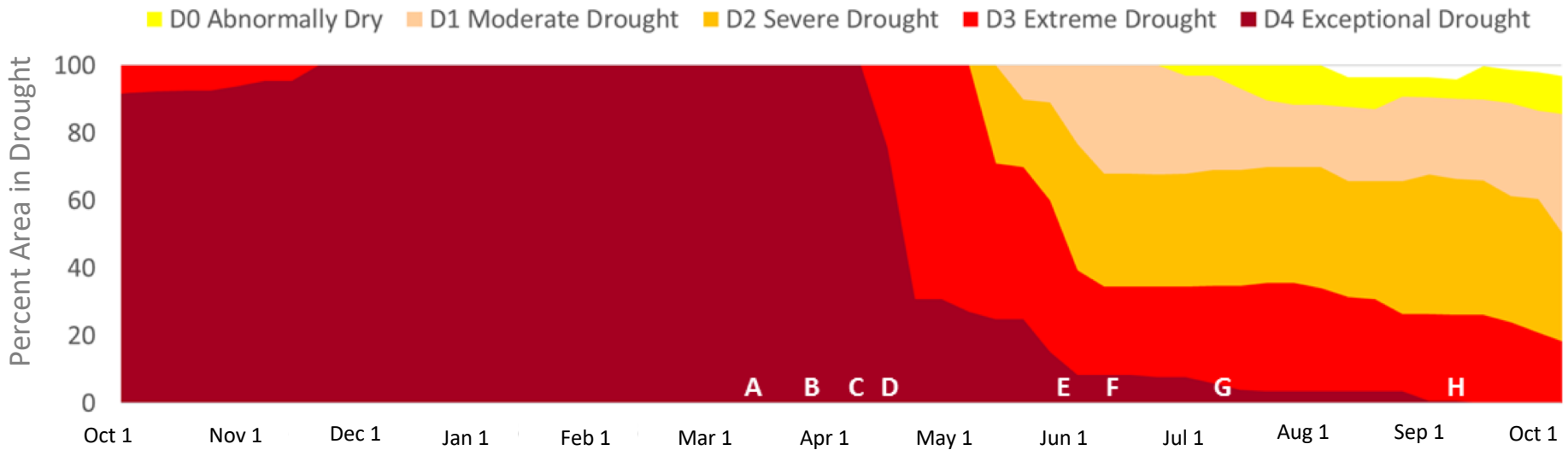
Drought continues with an increase in spatial extent and severity



A	B	C	D	E	F	G	H
Seasonal tourism revenues have declined.	Dust storm on major highway results in multiple accidents, including a hazmat incident.	West Nile outbreaks have been reported across much of the state.	Major reservoir falls to 20% of normal.	Power outages occur as heat causes increased demand for electricity.	Heatwaves cause illnesses. High water temperatures cause fish and wildlife deaths.	Domestic wells have run dry or are experiencing water quality issues.	Increased visits are reported at local food pantries.

# Water Year 5

Drought continues with an increase in spatial extent and severity



A	B	C	D	E	F	G	H
Winter precipitation failed to bring drought relief.	Major reservoir is nearly empty.	Producers aren't planting irrigated land.	Wildfire threatens an outdoor student research facility while students are present.	Rural communities continue to face water supply & water quality	West Nile outbreaks occur again this year with a record number of cases.	Extreme heat causes multiple illnesses at a major public event.	Fire at a state park over labor day weekend.