



West Maui Community Plan and MFD

West Maui CPAC Meeting
Battalion Chief Kaulana Kino
September 5, 2019



Topics

- Current MFD response capabilities
 - West Maui resources
 - Adjoining resources
 - MOUs and partnership agencies
- Housing development and wildfires
 - WUI: Historical incidents
 - Projections
- Actions needed
 - West Maui CP
 - MFD
 - Homes and businesses



West Maui Resources

- Lahaina Fire Station
 - Ladder 3 – Quint; 105' aerial apparatus; 500-gallon tank
 - Engine 3 – 1500 GPM pumper
 - Tanker 3 – 2000 gallon off-road water tanker
 - Busiest single station in Maui County
- Napili Fire Station
 - Engine 11 – 1500 GPM pumper
 - Mini 11 – 300 gallon Type IV pumper
- Battalion 2 Chief
 - BC4, BC5, BC6 – Battalion headquarters for Wailuku, West Maui, Molokai, Lanai



Adjoining Resources

- Emergencies
 - Engine 6 (Kihei) – 25 minutes to Lahaina town
 - Engine 10 (Kahului) 25 minutes to Lahaina town
 - Engine 1 (Wailuku) – 25 minutes to Lahaina town; + 500 gallon Mini pumper
 - Tanker 10 (Kahului) – 30 minutes to Lahaina town
- Non-emergency
 - Engine 14 (Wailea)
 - Engine 13 (Kula)



MOUs and Partnership Agencies

- Non-Governmental Organizations/Private Resources
 - West Maui Land
 - Goodfellow Bros.
 - Alpha Construction
 - Others as well
- County/State Resources
 - State DLNR – Dept. of Forestry and Wildlife
 - State DOH – Crash Fire Rescue
 - COM – Department of Public Works
 - Others as well



Wildland-Urban Interface

- Increasing in modern development
- Incidents
 - Lahaina, 2005
 - Olowalu-Launiopoko, 2007
 - Pu`u Kukui, 2008
 - Olowalu, 2010
 - Maalaea-Ukumehame, 2016
 - Ukumehame-Olowalu, 2016
 - Hokiokio, 2018
- MFD typically responds to approximately 400 brushfires annually
- Changing weather and development will increase incidents over CP span



| Subdivision | Ranked by Wildfire Response Hazard Rating | | | | | Overall Risk |
|---------------------------|---|--------------------|-----------------|--------------------------|------------------------|--------------|
| Subdivision | Subdivision Hazard | Vegetation Hazard* | Building Hazard | Fire Environment Hazard* | Fire Protection Hazard | Overall Risk |
| Lāhainā North Mauka Shops | High | Moderate | Low | Extreme | Low | Extreme |
| Lāhainā Downtown | Low | Low | Low | High | Low | Extreme |
| Lāhainā Elementary | Extreme | High | Low | High | Low | Extreme |
| Lāhainā Central Mauka | Extreme | Moderate | Moderate | Extreme | Low | Extreme |
| Lāhainā South Mauka | Extreme | High | Moderate | Extreme | Low | Extreme |
| Laninipoko Makai | High | Moderate | Moderate | Extreme | Low | Extreme |
| Laninipoko | High | Moderate | Low | Extreme | Low | Extreme |
| Olowah Mauka | Moderate | Moderate | Low | Extreme | Low | Extreme |
| Olowah Makai | Extreme | High | Moderate | High | Low | Extreme |
| Olowah Camp | Extreme | High | Moderate | High | Low | Extreme |
| Ukumehame | Moderate | High | Moderate | Extreme | Moderate | Extreme |
| Ukumehame Firing Range | High | High | Moderate | Extreme | Moderate | |
| Mā'alea | High | High | Low | Extreme | Moderate | Extreme |
| Mā'alea Harbor | High | High | Low | Extreme | Moderate | Extreme |
| Waikapū | High | Moderate | Moderate | High | Low | Moderate |
| Wailuku Heights | Moderate | Moderate | Low | High | Low | Low |
| Wailuku | High | Moderate | High | High | High | Extreme |
| Waiehu Mauka | Extreme | High | Moderate | Moderate | Low | Extreme |
| Waiehu Makai | High | Moderate | Moderate | Moderate | Low | High |
| Waie'e | High | Moderate | Moderate | Moderate | Low | High |
| Camp Maluhia | High | Moderate | Moderate | Moderate | High | Extreme |
| Kahakuloa Homesteads | Extreme | Extreme | Moderate | Moderate | High | Extreme |
| Kahakuloa | Extreme | Extreme | Moderate | Moderate | High | Extreme |
| Old Kahakuloa Village | Extreme | Extreme | Moderate | Moderate | High | Extreme |

Table 8. Overall Risk Assessment Table

* Fuels and risk for these areas/resources are dependent on 1) the season (and corresponding plant moisture content) and 2) fuels management practices, i.e. grazing, mechanical/chemical treatments, etc. Fuels and risk are reduced when fuels are properly managed and during wet seasons; fuels and risk are increased if fuels are not managed and/or conditions are dry.



Actions Needed

- West Maui Development
 - Support for land and future fire stations within West Maui
 - Support for equipment in adjoining districts
- MFD
 - A proactive approach to WUI firefighting
 - Equipment and resources to meet changing needs



Actions Needed

- Homes and businesses – protecting your home
 - Responder access
 - Clear access – vehicles, debris, clutter
 - 12 feet wide; 15 feet height clearance
 - Well-labeled and visible address markers
 - Fire-resistive construction
 - Class A fire-rated roofing materials; screened roof and attic vents
 - Fire-resistant siding (fiber-cement, stucco, dual-pane tempered glass)
 - Property and vegetation management
 - Do not store flammable materials near decks and porches
 - Keep vegetation maintained at least 30 feet from structures (100 feet ideal)
 - Limit vegetation within 5 feet of structures
 - Keep trees and shrubs well pruned with no extension or overhang near structures
- Firewise – NFPA program that teaches living in WUI areas
 - Firewise USA site



Mahalo!

- Firewise - [firewise.org](https://www.firewise.org)
- Western Maui CWPP – [hawaiiwildfire.org](https://www.hawaiiwildfire.org)
- Maui Fire Department – [mauicounty.gov/fire](https://www.mauicounty.gov/fire)
- National Wildfire Coordinating Group – [nwccg.gov](https://www.nwccg.gov)