

INCIDENT ACTION PLAN



Stacey Torigoe FFT2/READ(t) stands watch near a large Koa Tree at the Kipuka Ki's edge.

HI-HVP-1800002096
PPL25B 1502

August 15 0700 - August 16 0700, 2018

Keauhou Ranch Brush Fire



IAP



MAPS



"Adapt...Improvise...and Overcome"

INCIDENT OBJECTIVES	Incident Name Keauhou Ranch Brush Fire	Date 8/14/2018	Time 2000
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Operational Period
Wednesday, August 15, 0700 to Thursday, August 16, 2018 0700

General Control Objectives for the Incident (include alternatives)

LEADERS INTENT:
The highest priority will be focused on minimizing risk to firefighters and the public by continually using the risk management process. It is the expectation that every person assigned in any type of leadership role provides the appropriate mitigation measures prior to engaging in any activity.

Coordinate actions with Volcano Emergency Incident Command Team to provide appropriate responder and public evacuation time frames.

INCIDENT OBJECTIVES:


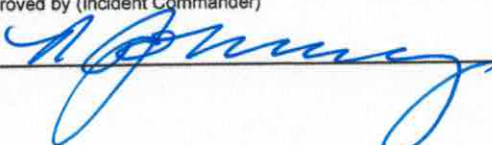
- Adopt decisions and actions that thoughtfully consider firefighter and public safety especially with respect to communications, driving, aviation and volcanic activity.
- Maintain full integration under incident command ensuring stakeholder concerns are addressed for the incident.
- Coordinate closely with local resources in order to place a high priority on reducing the threat to Kipuka Ki, Kipuka Puauulu, Kapapala Ranch, Keauhou Ranch, rare and protected plant and animal species, cultural resources and associated infrastructure.
- Where practical, minimize suppression impacts through the use of existing natural barriers and trails.
- Utilize resources to maximize efficiency and minimize cost expenditures.

CONTROL OBJECTIVES:
Keep the fire:


- East of Keamoku Lava flow and Kapapala Ranch to protect the ranch grass lands and evacuation routes associated with HAVO Volcanic activity.
- West of Keamoku Lava Flow and the Quarry to restrict the fire size, thereby reducing exposure to Keauhou and to firefighters and the public.
- South of the top of Mauna Loa strip road, Mauna Loa lookout shelter to protect Mauna Loa trail, native forests and threatened and endangered species.
- North of Kipuka Ki, Quarry and Kapapala Ranch to protect evacuation routes associated with HAVO Volcanic activity, Namakani Paio campground, Highway 11 and associated infrastructure.

Weather Forecast for Period

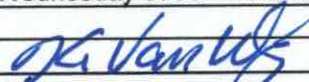
Attachments (mark if attached)					
<input checked="" type="checkbox"/>	Organization List - ICS 203	<input checked="" type="checkbox"/>	Medical Plan - ICS 206	<input checked="" type="checkbox"/>	Safety Message
<input checked="" type="checkbox"/>	Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/>	Incident Map	<input checked="" type="checkbox"/>	Weather
<input checked="" type="checkbox"/>	Communications Plan - ICS 205	<input checked="" type="checkbox"/>	Traffic Plan	<input checked="" type="checkbox"/>	Human Recourses

Prepared by (Planning Section Chief) Ken Bates, PSC 2 	Approved by (Incident Commander) 
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ORGANIZATION ASSIGNMENT (ICS 203)

1. Incident Name Keauhou Ranch Brush Fire		2. Operational Period:		Date From: 8/15/2018 Time From: 0700	Date To: 8/16/2018 Time To: 0700
3. Incident Commander(s) and Command Staff:			7. Operations Section:		
IC	Nickie Johnny / Matt Conklin (t)		Day Operations	Mike Koontz	
Safety Officer	Paul Tompkins / Paul Leusch (t)		Night Operations		
Public Info. Officer	Dan Patterson		Planning Ops	Don Smith	
Liaison Officer	Larry LaVogue		Branch		
Human Resources			Branch Director		
4. Agency/Organization Representatives:			Division/Group		
Hawaii Volcanoes National Park	Cindy Orlando		Division/Group		
Hawaii Volcanoes National Park	Greg Funderburk		Branch		
Hawaii County Fire	Darren Rosario		Branch Director		
Kapapala Ranch	Lani Cran		Division/Group	A / B	John Owings Justin Yoniles (t)
Keauhou Ranch	Keala Kanakaole		Division/Group	C / D	Al Ward
5. Planning Section:			Division/Group		
Chief	Ken Bates				
Deputy					
Resources Unit	Josh Clark		Branch		
Situation Unit	Ken VanWig		Branch Director		
Resource Advisor	Rhonda Loh / Summer Roper Sierra McDaniels / Stacey Torigoe(t)		Division/Group		
Demobilization Unit			Division/Group		
GISS	Dawn Hutchinson / Mark Wasser (t)				
			Night		
			Division/Group	Night	Unstaffed
6. Logistics Section					
Chief	Martie Hale				
Deputy			Air Operations Branch		
Technical Support Spec	Brett Davidson		Air Ops Branch Dir.	Joann Overacker	
Ordering / Food Unit	Morgan Keck		ASGS		
Supply Unit					
Facilities Unit			8. Finance/Administration Section:		
Ground Support Unit			Chief	Karen Bauman	
RCDM			Deputy		
Equipment Manager			Time Unit		
Communications Unit	Chris Perry		Procurement Unit		
Medical Unit	Gena Fowlkes		Comp/Claims Unit		
			Cost Unit		
7. Prepared by: Name: K. Bates Position/Title: PSC2			Signature: 		
ICS 203	IAP Page	Date/Time: 8/14/2018 2000			

WEATHER AND FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 4	OPERATIONAL PERIOD: August 15 - 16, 2018
FIRE NAME: Keaouhou Ranch Brush Fire	Wednesday 0700 – Thursday 0700
DATE ISSUED: 8/14/18 1700hrs	
UNIT: HI-HVP-1800002096	SIGNED: 
	Typed/printed: SITL, K. VanWig

INPUTS

WEATHER SUMMARY: Warm and Dry.

DISCUSSION... Generally stable weather is expected through Wednesday night.
Winds will be gentle and out of the north to northeast.

WEDNESDAY

Sky/weather.....Mostly cloudy in the morning. Partly sunny in the afternoon. Isolated showers.
CWR.....20 percent
LAL.....1
Max temperature.....Around 75
Min humidity.....60 percent
Wind (20 ft).....Northeast 5 to 7 mph
Mixing height.....2500 ft AGL
Transport winds.....Northeast 6 mph

WEDNESDAY NIGHT

Sky/weather.....Partly cloudy. Isolated showers
CWR.....20 percent
LAL.....1
Min temperature.....Around 54
Max humidity.....90 percent
Wind (20 ft).....North 3 to 5 mph
Mixing height.....1800 ft AGL
Transport winds.....Northeast 7 mph

Min RH: 60%.....KBDI.....633.....Max Wind: 7 mph

OUTPUTS FIRE BEHAVIOR

GENERAL:

The fires main influence is heavy fuels in Koa and Ohi'a forested area with non-native grass and brush understory. The fire has been dependent upon wind alignment. Fire still has potential to spread into light flashy fuels as they dry under the lower humidity. Winds could cause fire weakened trees to fall unexpectedly

Fire potential: Surface fire spread 1-3 ch/hr with headfire, 0.5 ch/hr backing and flanking.

Fire Behavior for this operational period will be minimal. 100 and 1000 hour fuels are still holding heat, expect smoldering with visible smoke to increase as fuels dry throughout the day.

SAFETY

- Lighter fuels will become more receptive to fire spread throughout the day.
- Falling snag hazard.

ASSIGNMENT LIST

1. Branch

2. Division/Group

DIV A / B

3. Incident Name

Keauhou Ranch Brush Fire

4. Operational Period

Date: 8/15/2018 - 8/16/2018

Time: 0700 - 0700

5. Operations Personnel

Operations Chief

Mike Koontz

Division/Group Supervisor

John Owings
Justin Yoniles (t)

Branch Director

Air Op's Branch Director

Joann Overacker

6. Resources Assigned This Period

Strike Team/Task Force/ Resource Designator	Last Shift	Leader	No. Pers.	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
HC2 FOLSOM LAKE T2IA	8/19	JASON SCHROEDER	20	N	ICP 0700	ICP 1900
FUM SEQUOIA MODULE	8/23	ROSS GARLAPOW	10	N	ICP 0700	ICP 1900

7. Work Assignments

Mop-up as appropriate with firefighter safety considerations taken into account.

SNAG Mauna Loa Rd as appropriate for access and firefighter safety.

Monitor command channels for IA responsibilities as directed by Operations.

Coordinate with READS.

8. Special Instructions

GPS old powerline insulators found for READS.

Function	Frequency - RX	Frequency - TX	Tone	Channel	Comments
Command	170.3625	164.1625	131.8/1318	MLOA D	Volcano Dispatch
Command	170.3625	164.1625	131.8/526	MLOA A	
Tactical	168.0500	168.0500	0.0	NIFC T1	
Air to Ground	166.6125	166.6125	0.0	Air Tac	

Prepared by (RESL)
Josh Clark *[Signature]*

Approved by (PSC)
Ken Bates *[Signature]*

Date
8/14/2018

Time
2000 hrs

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name		Date/Time Prepared		Operational Period Date/Time			
INCIDENT RADIO COMMUNICATIONS PLAN		Keauhou Ranch Brush Fire		08/14/18 1600		08/15/18-0700--08/16/18-0700			
Zn / Ch	Function	Channel Name/Trunked Talkgroup	Assignment	RX Freq	RX Tone/NAC	TX Freq	TX Tone/NAC	Mode A, D, M	Remarks
1	Dispatch	MLOA D	All Divisions	170.3625	131.8/1318	164.1625	131.8/1318	D	Volcano Dispatch Digital
2	Dispatch	MLOA A	All Divisions	170.3625	131.8/526	164.1625	131.8/526	A	Volcano Dispatch Analog
3	Tactical	NIFC T1	DIV A/B	168.0500	0.0	168.0500	0.0	A	
4	Tactical	NIFC T2	DIV C/D	168.2000	0.0	168.2000	0.0	A	
5	Tactical	NIFC T3	Unassigned	168.6000	0.0	168.6000	0.0	A	
6	Tactical	NIFC T5	Unassigned	166.7250	0.0	166.7250	0.0	A	
7	Tactical	NIFC T6	Unassigned	166.7750	0.0	166.7750	0.0	A	
8	Air to Ground TAC	Air Tac	All Divisions	166.6125	0.0	166.6125	0.0	A	
9		Blank							
10		Blank							
11		Blank							
12		Blank							
13		Blank							
14		Blank							
15		Blank							
16/20	Emergency only	GUARD	All Divisions	168.6250	0.0	168.6250	110.9	A	T1 - AIR GUARD - emerg. use only
Prepared By (Communications Unit Leader)		Chris Perry		Incident Location		Latitude, Longitude		1/14/14 v.5	
Operations and Divisions have Hawaii County Fire Dept radios to communicate with Copter 1									

INCIDENT RADIO COMMUNICATIONS PLAN

Incident Name

Keauhou Ranch Brush Fire

Date/Time Prepared

08/14/18 1600

Operational Period Date/Time

08/15/18-0700--08/16/18-0700

Zn / Ch	Function	Channel Name/Trunked Talkgroup	Assignment	RX Freq	RX Tone/NAC	TX Freq	TX Tone/NAC	Mode A, D, M	Remarks
1	Dispatch	MLOA D	All Divisions	170.3625	131.8/1318	164.1625	131.8/1318	D	Volcano Dispatch Digital
2	Dispatch	MLOA A	All Divisions	170.3625	131.8/526	164.1625	131.8/526	A	Volcano Dispatch Analog
3	Tactical	NIFC T1	DIV A/B	168.0500	0.0	168.0500	0.0	A	
4	Tactical	NIFC T2	DIV C/D	168.2000	0.0	168.2000	0.0	A	
5	Tactical	NIFC T3	Unassigned	168.6000	0.0	168.6000	0.0	A	
6	Tactical	NIFC T5	Unassigned	166.7250	0.0	166.7250	0.0	A	
7	Tactical	NIFC T6	Unassigned	166.7750	0.0	166.7750	0.0	A	
8	Air to Ground TAC	Air Tac	All Divisions	166.6125	0.0	166.6125	0.0	A	
9		Blank							
10		Blank							
11		Blank							
12		Blank							
13		Blank							
14		Blank							
15		Blank							
16/20	Emergency only	GUARD	All Divisions	168.6250	0.0	168.6250	110.9	A	T1 - AIR GUARD - emerg. use only

Prepared By (Communications Unit Leader)

Chris Perry

Operations and Divisions have Hawaii County Fire Dept radios to communicate with Copter 1

Latitude, Longitude

1/14/14 v.5

1. INCIDENT NAME: Keaunou Ranch Brush Fire	2. PREPARED BY: JoAnn Overacker <i>JoAnn Overacker</i>	3. PREPARED DATE/TIME: 8/14/18 1600hrs
4. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.): H-4/Quarry Dip - 19 26.077N X 155 17.437W H-5 - 19 29.118N X 155 23.027W Keaunou Dip - 19 28.053N X 155 20.542 NO HELICOPTER ASSIGNED TO THE FIRE TODAY. C-1 IS AT HILO IF NEEDED		
5. TFR: # 8/7820 Altitude: MSL 20,000 5 NM Radius of 192419N X 1551652W		


7. FREQUENCIES				8. FIXED WING			
PERSONNEL	Phone	AM	FM	# Avail / Type/ Make-Model / FAA N# / Base(s)			
AODB: JoAnn Overacker	209-559-1617	AIR/AIR FW: 122.9		AIRTANKERS			
		AIR/AIR RW:		LEADPLANES			
		AIR/GROUND: 166.6125		AIR TACTICAL PLATFORM			
		DECK:					
		COMMAND:					
		Air Guard	168.625 Tone 1				

9. HELICOPTERS (Use Additional Sheets as Necessary)

FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS	FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS
C-1	III	Hughes 550				Call when needed Will be at Hilo							

10. TASK/MISSION/ASSIGNMENT (Use ICS-220a if additional space needed; Type/Function includes: Air Tactical, Retardant, Recon, Personnel Transport, Water Dropping, etc.)

TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO (if applicable) OR INSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION		FLY TO
		START	FROM	

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name		Date/Time Prepared		Operational Period Date/Time			
		Keauhou Ranch Brush Fire		08/14/18 1600		08/15/18-0700--08/16/18-0700			
Zn / Ch	Function	Channel Name/Trunked Talkgroup	Assignment	RX Freq	RX Tone/NAC	TX Freq	TX Tone/NAC	Mode A, D, M	Remarks
1	Dispatch	MLOA D	All Divisions	170.3625	131.8/1318	164.1625	131.8/1318	D	Volcano Dispatch Digital
2	Dispatch	MLOA A	All Divisions	170.3625	131.8/526	164.1625	131.8/526	A	Volcano Dispatch Analog
3	Tactical	NIFC T1	DIV A/B	168.0500	0.0	168.0500	0.0	A	
4	Tactical	NIFC T2	DIV C/D	168.2000	0.0	168.2000	0.0	A	
5	Tactical	NIFC T3	Unassigned	168.6000	0.0	168.6000	0.0	A	
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7	Tactical	NIFC T6	Unassigned	166.7750	0.0	166.7750	0.0	A	
8	Air to Ground TAC	Air Tac	All Divisions	166.6125	0.0	166.6125	0.0	A	
9		Blank							
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11		Blank							
12		Blank							
13		Blank							
14		Blank							
15		Blank							
16/20	Emergency only	GUARD	All Divisions	168.6250	0.0	168.6250	110.9	A	T1 - AIR GUARD - emerg. use only
Prepared By (Communications Unit Leader)				Incident Location		Latitude, Longitude			
Chris Perry		County		County		County		1/14/14 v.5	
Operations and Divisions have Hawaii County Fire Dept radios to communicate with Copter 1									



Health & Safety Message

Incident: Keauhou Ranch Fire HI- HVP- 1800002096	Date/Op Period: Aug. 15-16, 2018 0700-0700 hrs.
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Hazards & Risks

Fight Complacency: One common reason for firefighter injury in the latter stages of a fire is when the firefighter throws her/his mind into neutral and doesn't think about the work they are doing. They are not thinking about how to do the job right, but just how to get the job done so we can just get home. Couple this with fatigue, and you really have a **"WATCHOUT."** There's a difference between just getting the job done, versus getting the job done when **MENTALLY ENGAGED**. So with that, keep your mind engaged and attentive to the task. Continually ask yourself if you are doing the job safely, the way you were trained. Keep an eye on your co-workers too. If you see them doing something that is unsafe, **YOU NEED TO SAY SOMETHING** immediately about the unsafe act.

Hydration: Overall we do a good job at keeping hydrated, don't stop reinforcing hydration. Drink water early and often-it is easy to fall behind on the hydration curve. Avoid an electrolyte imbalance by mixing a sport drink into your liquid replacement (2 to 1 ratio).

Communications: Make sure all resources have radios cloned appropriately, and all personnel are familiar with the incident and IA communications plans. Ensure that non-fire resources understand radio use and procedures. Share your Situational Awareness (hazards, changes, etc.) to those who also have a need.

Prepared By: Paul Leusch SOFR2 (T)

Paul Leusch

L. Lookouts C. Communications E. Escape Routes S. Safety Zones
BE MINDFUL

Hawaiian Slang

Directions

Mauka- towards the mountain or north

Makai- towards the sea or south

Ka'u- (District) but used as a direction (Ka'u side- to the west) leeward side (dry side)

Hilo-(District) used as a direction (Hilo side- to the east) windward side (rainy side)

Features

A'a - rocky lava

Kipuka- area of vegetation that was surrounded by a lava flow

Lithic- remnant or debitage of where someone manufactured a stone tool

Pahoehoe - Ropey, Smooth lava

Pali- cliff

Pau- finished

Puka- hole

Pu'u- hill on the landscape

Common words and phrases

Brah - Bro, Brother

Bum-by - Later

Choke- means a lot of something

Da - The

Da kine- anything, word used to replace a word if you forget it

Get 'em - Got it

Grinds- food

Howzit?- How is it going?

K den- Ok then, bye

Kokua- to help

Lanai - Porch

Lua- bathroom

Mahalo- Thank you

Nah - No

Ono - Tasty

Opala- trash

Ova deah - In that direction

Pau hana- finished work

Pupu's - Appetizers

Shoots - OK, Sure, Got it, Good bye

Talk story - To discuss

EVACUATION PROCEDURE

⚠ UNSAFE CONDITIONS ⚠

- In the event that conditions change resulting in an unsafe situation for park/incident staff, on-site Operations and Safety personnel will determine the need for, and extent of evacuations. This could include SO₂ and particulate (PM2.5) at "red" levels or higher, continuous serious earthquakes, shifting of the winds causing significant ash fall, etc.
 - **Notification:**
 - Dispatch/Communications radio announcement
 - Send Word Now messaging
 - **What to do:** Without delay, evacuate the affected area using the closest available route. Evacuate eastbound or westbound depending on instructions given in notification, your location, and accessible routes.
 - Primary Route
 - Crater Rim Drive out the entrance station, to Hwy 11
 - Secondary Routes
 - Emergency Access Gates to Hwy 11 from
 - Mauna Loa Rd / Crater Rim Dr.
 - Back of KMC / Pi'i Mauna Rd.
 - Escape Rd / Hwy 11
 - **Rally at:**
 - *Kea'au* : Robert C. Shipman Park (Volcano Rd. Kea'au, HI. 96749)
 - *Panalu'u*: Black Sand Beach (96-876 Government Rd. Panalu'u, HI. 96778)



*** CATAclysmic ERUPTION ***

- In the event of a cataclysmic eruption, resulting in a full evacuation of HAVO:
 - **Notification:**
 - Dispatch radio announcement
 - Send Word Now messaging
 - **What to do:** IMMEDIATELY evacuate the area using the closest available route. Evacuate eastbound or westbound depending on your location and accessible routes.
 - Primary Route
 - Crater Rim Drive out the entrance station, to Hwy 11
 - Secondary Routes
 - Emergency Access Gates to Hwy 11 from
 - Mauna Loa Rd / Crater Rim Dr.
 - Back of KMC / Pi'i Mauna Rd.
 - Escape Rd / Hwy 11
 - **Rally at:**
 - *Kea'au* : Robert C. Shipman Park (Volcano Rd. Kea'au, HI. 96749)
 - *Panalu'u*: Black Sand Beach (96-876 Government Rd. Panalu'u, HI. 96778)

The Operations Section Chief will work with Division Group Supervisors to ensure all personnel listed on the divisions ICS-204 form are accounted for.

EVACUATION

2018 HAVO Increased Volcanic Activity Evacuation Map

Hawai'i Volcanoes National Park

August 9, 2018

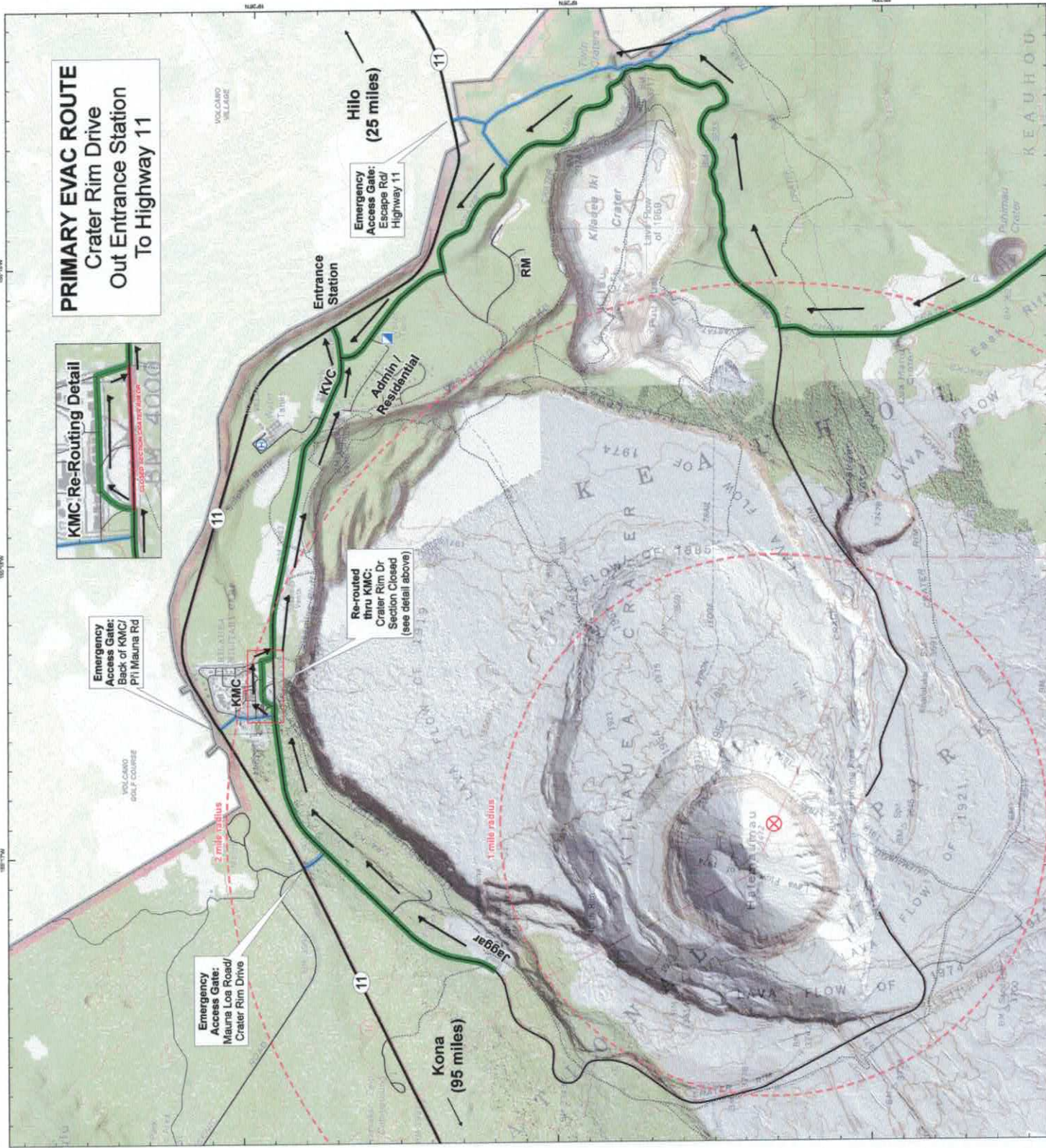


Legend

- Former Lava Lake
- Helibase
- Incident Command Post
- Halemau mau Buffers
- HAVO Roads & Trails
- Highway 11
- Secondary
- Light Duty
- Residential
- Unpaved
- Trail
- HAVO Boundary

Evacuation Routes

- Primary
- Secondary



Medical Plan

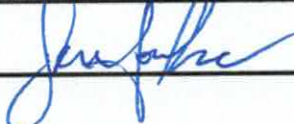
1. Incident Name: Keauhou Ranch Brush Fire	2. Operational Period: 8/15/18 – 8/16/18 0700 - 0700
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3. Medical Aid Stations:			
Name	Location	Contact Number(s)/Frequency	Paramedic on Site?
HCFD Station #19A	Cooper Center, 19-4030 Wright Road, Volcano, HI 96785	808-967-7710 (Hours: 0900-1800)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

4. Transportation (indicate air or ground):			
Ambulance Service	Location	Contact Number(s)/Frequency	Level of Service
HCFD Station #19A	Cooper Center, 19-4030 Wright Road, Volcano, HI 96785	808-967-7710 (Hours: 0900-1800)	<input checked="" type="checkbox"/> ALS <input type="checkbox"/> BLS
HCFD Station #11A	Naalehu, 95-1163 Kaalaiki Rd. Naalehu, HI 96772	808-939-2508	<input checked="" type="checkbox"/> ALS <input type="checkbox"/> BLS
HCFD Station #10	Pahoa, 15-2605 Keaau-Pahoa Rd., Pahoa, HI 96778	808-965-2708	<input checked="" type="checkbox"/> ALS <input type="checkbox"/> BLS
HCFD Station #5	Keaau, 16-579 Old Volcano Rd., Keaau, HI 96749	808-966-5809	<input checked="" type="checkbox"/> ALS <input type="checkbox"/> BLS
			<input type="checkbox"/> ALS <input type="checkbox"/> BLS

5. Hospitals:							
Hospital Name	Address, Latitude & Longitude if Helipad	Contact Number(s)/Frequency	Travel Time		Trauma Center	Burn Center	Helipad
			Air	Ground			
Hilo Medical Center	1190 Wainuenue Avenue Hilo HI 96720	808-923-3000	20	45	<input checked="" type="checkbox"/> Yes Level: 3	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Queen's Medical Center	1301 Punchbowl St., Honolulu, HI 96813	808-691-1000			<input checked="" type="checkbox"/> Yes Level: 2	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Straub Medical Center	888 S. King St., Honolulu, HI 96813	808-522-4060			<input checked="" type="checkbox"/> Yes Level: 3	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Urgent Care Keaau	16-612 Old Volcano Rd., Keaau, HI 96749	808-966-7942		35	<input type="checkbox"/> Yes Level: 0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Ka'u Hospital	1 Kamani St., Pahala, HI 96777	808-932-4200		35	<input type="checkbox"/> Yes Level: 0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

6. Special Medical Emergency Procedures:
<p>Maintain emergency access routes in park to ensure timely response of Hawaii County Fire Department. If a medical emergency occurs, contact HAVO Dispatch via radio or by phone at 808-985-6170.</p> <p><input type="checkbox"/> Check box if aviation assets are utilized for rescue. If assets are used, coordinate with Air Operations.</p>

7. Prepared by (Medical Unit Leader): Name: Gena Fowlkes		
8. Approved by (Safety Officer): Name: Paul Leusch		
ICS 206	Medical Plan	Date/Time: 8/14/2018 2000

MEDICAL PLAN (ICS 206 WF)

Controlled Unclassified Information//Basic

Medical Incident Report

FOR A NON-EMERGENCY INCIDENT, WORK THROUGH CHAIN OF COMMAND TO REPORT AND TRANSPORT INJURED PERSONNEL AS NECESSARY.

FOR A MEDICAL EMERGENCY: IDENTIFY ON SCENE INCIDENT COMMANDER BY NAME AND POSITION AND ANNOUNCE "MEDICAL EMERGENCY" TO INITIATE RESPONSE FROM IMT COMMUNICATIONS/DISPATCH.

Use the following items to communicate situation to communications/dispatch.

1. CONTACT COMMUNICATIONS / DISPATCH (Verify correct frequency prior to starting report)

Ex: "Communications, Div. Alpha. Stand-by for Emergency Traffic."

2. INCIDENT STATUS: Provide incident summary (including number of patients) and command structure.

Ex: "Communications, I have a Red priority patient, unconscious, struck by a falling tree. Requesting air ambulance to Forest Road 1 at (Lat./Long.) This will be the Trout Meadow Medical, IC is TFLD Jones. EMT Smith is providing medical care."

Severity of Emergency / Transport Priority	<input type="checkbox"/> RED / PRIORITY 1 Life or limb threatening injury or illness. Evacuation need is IMMEDIATE <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2° - 3° burns more than 4 palm sizes, heat stroke, disoriented.</i> <input type="checkbox"/> YELLOW / PRIORITY 2 Serious injury or illness. Evacuation may be DELAYED if necessary. <i>Ex: Significant trauma, unable to walk, 2° - 3° burns not more than 1-3 palm sizes.</i> <input type="checkbox"/> GREEN / PRIORITY 3 Minor injury or illness. Non-Emergency transport <i>Ex: Sprains, strains, minor heat-related illness.</i>	
Nature of Injury or Illness & Mechanism of Injury		Brief Summary of Injury or Illness <i>(Ex: Unconscious, Struck by Falling Tree)</i>
Transport Request		Air Ambulance / Short Haul/Hoist Ground Ambulance / Other
Patient Location		Descriptive Location & Lat. / Long. (WGS84)
Incident Name		Geographic Name + "Medical" <i>(Ex: Trout Meadow Medical)</i>
On-Scene Incident Commander		Name of on-scene IC of Incident within an Incident <i>(Ex: TFLD Jones)</i>
Patient Care		Name of Care Provider <i>(Ex: EMT Smith)</i>

3. INITIAL PATIENT ASSESSMENT: Complete this section for each patient as applicable (start with the most severe patient)

Patient Assessment: See IRPG page 106

Treatment:

4. TRANSPORT PLAN:

Evacuation Location (if different): (Descriptive Location (drop point, intersection, etc.) or Lat. / Long.) Patient's ETA to Evacuation Location:

Helispot / Extraction Site Size and Hazards:

5. ADDITIONAL RESOURCES / EQUIPMENT NEEDS:

Example: Paramedic/EMT, Crews, Immobilization Devices, AED, Oxygen, Trauma Bag, IV/Fluid(s), Splints, Rope rescue, Wheeled litter, HAZMAT, Extrication

6. COMMUNICATIONS: Identify State Air/Ground EMS Frequencies and Hospital Contacts as applicable

Function	Channel Name/Number	Receive (RX)	Tone/NAC *	Transmit (TX)	Tone/NAC *
COMMAND					
AIR-TO-GRND					
TACTICAL					

7. CONTINGENCY: Considerations: If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead.

8. ADDITIONAL INFORMATION: Updates/Changes, etc.

REMEMBER: Confirm ETA's of resources ordered. Act according to your level of training. Be Alert. Keep Calm. Think Clearly. Act Decisively.

Suppression Repair

0700 08/15 to 0700 08/16/2018

Per resource advisor, remove snags that have the potential to impact the roadway and harm vehicles and persons. Stumps should be flush cut to within 3 inches of the ground. Slash can be left in place and at least 4 ft away from road shoulder. Removal is focused within a 30 ft corridor on each side of the Mauna Loa Road. Removal includes trees with 80% or greater char height on trunks. Trees that are less than 80% char height do not need to be removed unless they show clear evidence of failing.

Beyond the 30 ft corridor, trees that show clear signs of failing and the potential to impact the roadway should be removed.



Do not remove



Remove

TURN BACK STANDARDS FOR IMT

The following is a summary of the Turn Back Standards Hawaii Volcanoes National Park is providing as a guideline to Southern California Team 2 (Johnny) IMT prior to transition to a Type 4 organization.

As projected by the Operations section, the Keauhou Ranch Brush Fire incident will be 90% percent contained by end of the August 15, 2018 shift. One hundred percent containment is not likely due to the nature of the fuels that are embedded in the interstices of the rocky lava flows on Divisions A and C and which make mop-up difficult. The potential for interior torching and spotting may continue until the fuels are consumed or the area receives heavy rain (see Recommended Mop-up Standards below).

Division	Action	Recommended Mop-up Standard
A	Continue ground or aerial patrol to monitor for hot spots and fire creep across cold-trail. Remove all garbage at drop points and other collection points on the Division to ICP. Return all equipment to ICP supply. Pull all non-essential flagging.	Mop-up a sufficient distance from fireline or edge of fire to prevent unwanted fire spread capable of compromising control of the fire. Appropriate distance should be based upon consumption of fuels within the burned area, receptiveness of adjacent fuels to spotting, and likelihood of surface fire spread within the burned area.
B	Remove all garbage at drop points and other collection points on the Division to ICP. Return all equipment to ICP supply. Pull all non-essential flagging.	See Above...
C	Continue ground or aerial patrol of ā'a lava flow to monitor for hot spots and fire creep across fireline. Remove all garbage at drop points and helispots on the Division to ICP. Return all equipment to ICP supply. Pull all non-essential flagging. Leave hoselay in place for future extinguishment of hot spots or fire spread threatening fireline.	See Above...
D	Remove all garbage at drop points and other collection points on the Division to ICP. Return all equipment to ICP supply. Pull all non-essential flagging. Conduct suppression repair on dozer line within park at direction of READ.	See Above...
ICP	Ensure all facilities are left in a state of cleanliness equal to or better than upon arrival of the IMT. Ensure all trash receptacles utilized by IMT are emptied appropriately. Ensure all plastic bottles are removed from site and recycled.	Not Applicable

Keauhou Ranch
Brush Fire
HI-HVP-1800002096

Transportation Map
August 13, 2018



Cataclysmic
Escape Route
Kilauea Summit
To Keauhou
Shipman Park
via Hwy 11

ICP
In Park Entrance
First Left
Next Right

Keauhou Access
Back of Pii Mauna Dr
Volcano Golf Course

Cataclysmic
Escape Route
Kilauea Summit
to Pahoa Black
Sands Beach
via Hwy 11

Kapāpala Access
Mauna Loa Rd to
Powerline Rd

