

INCIDENT ACTION PLAN



Kīpuka Kī. Photo by Daniel R. Patterson

HI-HVP-1800002096

PPL25B 1502

August 11, 2018


Keauhou Ranch Brush Fire




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

INCIDENT OBJECTIVES	Incident Name Keauhou Ranch Brush Fire	Date 8/10/2018	Time 1300
Operational Period Saturday, August 11 0700 to Sunday, August 12, 2018 0700			
General Control Objectives for the Incident (include alternatives)			
<p><u>LEADERS INTENT:</u></p> <p>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.</p> <p>Coordinate actions with Volcano Emergency Incident Command Team to provide appropriate responder and public evacuation time frames.</p> <p><u>INCIDENT OBJECTIVES:</u></p> <ul style="list-style-type: none"> • 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 Puaulu, 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. <p><u>CONTROL OBJECTIVES:</u></p> <p>Keep the fire:</p> <ul style="list-style-type: none"> • 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)	

ORGANIZATION ASSIGNMENT (ICS 203)

1. Incident Name Keauhou Ranch Brush Fire		2. Operational Period:		Date From: 8/11/2018 Time From: 0700		Date To: 8/12/2018 Time To: 0700	
3. Incident Commander(s) and Command Staff:				7. Operations Section:			
IC	Nickie Johnny	Day Operations	Matt Conklin / Mike Koontz				
Safety Officer	Paul Tompkins / Paul Leusch	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	Brian Gilmore / Justin Yoniles			
Keauhou Ranch	Keala Kanakaole	Division/Group	C	Rob Noxon / Nat Osburn			
5. Planning Section:		Division/Group	D	John Owings / Paul Mancuso			
Chief	Ken Bates	Group Kidder	Dozer / Contingency	Al Ward			
Deputy							
Resources Unit	Josh Clark	Branch					
Situation Unit	Ken VanWig	Branch Director					
Resource Advisor	Rhonda Loh / Summer Roper	Division/Group					
Demobilization Unit		Division/Group					
GISS	Dawn Hutchinson						
		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					
RCDM		Deputy					
Equipment Manager		Time Unit					
Communications Unit	Chris Perry	Procurement Unit					
Medical Unit		Comp/Claims Unit					
		Cost Unit					
7. Prepared by:		Name: K. Bates		Position/Title: PSC2		Signature: 	
ICS 203	IAP Page	Date/Time: 8/10/2018 1600					

WEATHER AND FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 1	OPERATIONAL PERIOD: August 11 - 12, 2018
FIRE NAME: Keauhou Ranch Fire	Saturday 0700 – Sunday 0700
DATE ISSUED: 8/11/18 2200hrs	
UNIT: HI-HVP-1800002096	SIGNED:  Typed/printed: SITL, K. VanWig

INPUTS

WEATHER SUMMARY: Warming and Drying expected through the weekend.

DISCUSSION...Light to moderate trade winds and mostly dry weather can be expected through Sunday. Any passing showers will be light and brief.

SATURDAY

Sky/weather.....Sunny.
CWR.....10 percent.
LAL.....1.
Max temperature.....Around 72.
Min humidity.....48 percent.
Wind (20 ft).....Northeast winds 6 to 8 mph.
Mixing height.....1900-2300 ft AGL.
Transport winds.....East around 9 mph.

SATURDAY NIGHT

Sky/weather.....Mostly clear. Isolated showers after midnight.
CWR.....10 percent.
LAL.....1.
Min temperature.....Around 54.
Max humidity.....100 percent.
Wind (20 ft).....Northeast winds 6 to 9 mph.
Mixing height.....1900-2300 ft AGL.
Transport winds.....East around 9 mph.

LAL: 1.....CWR: 10%.....KBDI.....579

OUTPUTS FIRE BEHAVIOR

GENERAL:

The fire's main influence is heavy fuels in Koa forested area with non-native grass and brush understory. The fire has been dependent upon wind alignment. Prior to the recent precipitation the fire exhibited group torching, short duration crown runs had developed with headfire. Flame Lengths of up to 50 feet, Spotting distance up to 300 yards. Surface fire spread 1-3 ch/hr with headfire and up to 0.5 ch/hr backing and flanking.

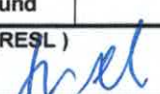

Fire Behavior for this Operational period will be minimal due to recent precipitation. Expect creeping and smoldering as fuels dry and holdover fire in the heavier fuels to become active.

SAFETY

- Windy conditions today with Lower Relative Humidity...Fuels will become more receptive to spread fire.
- STOP = Stop Think Observe Predict
- Keep up on your situational awareness for any increase in fire activity.

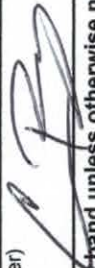
ICS 204

INCIDENT RADIO COMMUNICATIONS PLAN			Incident Name		Date/Time Prepared		Operational Period Date/Time		
			Keauhou Ranch Fire		08/10/18 1600		08/11/18-0700--08/12/18-0700		
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
2	Dispatch	MLOA A	All Divisions	170.3625	131.8/526	164.1625	131.8/526	A	Volcano Dispatch
3	Tactical	NIFC T1	DIV A/B	168.0500	0.0	168.0500	0.0	A	
4	Tactical	NIFC T2	DIV C	168.2000	0.0	168.2000	0.0	A	
5	Tactical	NIFC T3	D/Dozer/contingency	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)			Latitude, Longitude		Incident Location				
Chris Perry					County				
Deviation is assumed to be narrow band unless otherwise noted in the remarks. Mode refers to either "A" (analog), "D" (digital) or "M" (mixed mode).									
1/14/14 v.5									

ASSIGNMENT LIST			1. Branch		2. Division/Group	
					DIV C	
3. Incident Name			4. Operational Period			
Keauhou Ranch Brush Fire			Date: 8/11/2018 - 8/12/2018		Time: 0700 - 0700	
5. Operations Personnel						
Operations Chief		Matt Conklin Mike Koontz		Division/Group Supervisor		Rob Noxon Nat Osburn
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 CREW T2IA		JASON SCHROEDER	21	N	ICP 0700	ICP 1900
HC2 HAWAI'I CREW T2IA		NAINOA KEANA'AINA	21	N	ICP 0700	ICP 1900
ENG3 E602		DEXTER PACHECO	1	N	ICP 0700	ICP 1900
ENG3 E603		OLA MEREIDOS	1	N	ICP 0700	ICP 1900
WT2 TENDER T306		TBD	1	N	ICP 0700	ICP 1900
7. Work Assignments						
Mop up as appropriate with safety considerations taken into account. Prevent fire spread by using direct line, hose lays, etc. SNAG Mauna Loa Rd as appropriate for access as safety for firefighters allow. Coordinate with READS for width.						
8. Special Instructions						
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	168.2000	168.2000	0.0	NIFC T2		
Air to Ground	166.6125	166.6125	0.0	Air Tac		
Prepared by (RESL) Josh Clark 		Approved by (PSC) Ken Bates 		Date 8/10/2018		Time 2000 hrs

INCIDENT RADIO COMMUNICATIONS PLAN			Incident Name		Date/Time Prepared		Operational Period Date/Time		
COMMUNICATIONS PLAN			Keauhou Ranch Fire		08/10/18 1600		08/11/18-0700--08/12/18-0700		
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
2	Dispatch	MLOA A	All Divisions	170.3625	131.8/526	164.1625	131.8/526	A	Volcano Dispatch
3	Tactical	NIFC T1	DIV A/B	168.0500	0.0	168.0500	0.0	A	
4	Tactical	NIFC T2	DIV C	168.2000	0.0	168.2000	0.0	A	
5	Tactical	NIFC T3	D/Dozer/contingency	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									
Deviation is assumed to be narrow band unless otherwise noted in the remarks. Mode refers to either "A" (analog), "D" (digital) or "M" (mixed mode).									
Latitude, Longitude									
1/14/14 v.5									

[illegible]

INCIDENT RADIO COMMUNICATIONS PLAN			Incident Name		Date/Time Prepared		Operational Period Date/Time		
			Keauhou Ranch Fire		08/10/18 1600		08/11/18-0700--08/12/18-0700		
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
2	Dispatch	MLOA A	All Divisions	170.3625	131.8/526	164.1625	131.8/526	A	Volcano Dispatch
3	Tactical	NIFC T1	DIV A/B	168.0500	0.0	168.0500	0.0	A	
4	Tactical	NIFC T2	DIV C	168.2000	0.0	168.2000	0.0	A	
5	Tactical	NIFC T3	D/Dozer/contingency	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 County Latitude, Longitude							
Deviation is assumed to be narrow-band unless otherwise noted in the remarks. Mode refers to either "A" (analog), "D" (digital) or "M" (mixed mode). 1/14/14 v.5									

ICS 204

INCIDENT RADIO COMMUNICATIONS PLAN			Incident Name		Date/Time Prepared		Operational Period Date/Time		
INCIDENT RADIO COMMUNICATIONS PLAN			Keauhou Ranch Fire		08/10/18 1600		08/11/18-0700--08/12/18-0700		
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
2	Dispatch	MLOA A	All Divisions	170.3625	131.8/526	164.1625	131.8/526	A	Volcano Dispatch
3	Tactical	NIFC T1	DIV A/B	168.0500	0.0	168.0500	0.0	A	
4	Tactical	NIFC T2	DIV C	168.2000	0.0	168.2000	0.0	A	
5	Tactical	NIFC T3	D/Dozer/contingency	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)			Latitude, Longitude		Incident Location				
Chris Perry			County						

Deviation is assumed to be narrow band unless otherwise noted in the remarks. Mode refers to either "A" (analog), "D" (digital) or "M" (mixed mode). 1/14/14 v.5

AIR OPERATIONS SUMMARY

OPERATIONAL PERIOD DATE: 08/11/2018 START: 0730 END: 1900 SUNRISE: 0559 SUNSET: 1852

1. INCIDENT NAME: Keauhou Ranch		2. PREPARED BY: JoAnn Overacker <i>JoAnn Overacker</i>		3. PREPARED DATE/TIME: 8/10/2018 1700hrs	
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 Keauhou Dip - 19 28.053N X 155 20.542				5. TFR: # 8/7820 Altitude: MSL 20,000 5 NM Radius of 192419N X 1551652W	


6. PERSONNEL			7. FREQUENCIES			8. FIXED WING	
	Phone	AM	FM	# Avail / Type/ Make-Model / FAA N# / Base(s)			
AOBD: JoAnn Overacker	209-559-1617			AIR/AIR FW:			AIRTANKERS
HEBM: Will Lucas	352-262-1957	122.9		AIR/AIR RW:			LEADPLANES
HEGB: Jeremy Stocks	530-249-9932						AIR TACTICAL PLATFORM
HEGB(T) Arnold Nakata	808-238-6325		166.6125	AIR/GROUND			
HECM: Garrett Hanna	530-246-6089						
HECM(T): Thomas Hughes	808-640-1084			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
67F	III	Hughes 550	H-4	0830	0730	Avail when needed							
C-1	III	Hughes 550	H-4			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 START	FLY FROM	FLY TO
Recon	As needed for Ops and Divisions			
Bucket Drops	As needed			
Cargo	Sling supplies to the line as needed			

INCIDENT RADIO COMMUNICATIONS PLAN			Incident Name		Date/Time Prepared		Operational Period Date/Time		
INCIDENT RADIO COMMUNICATIONS PLAN			Keauhou Ranch Fire		08/10/18 1600		08/11/18-0700--08/12/18-0700		
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
2	Dispatch	MLOA A	All Divisions	170.3625	131.8/526	164.1625	131.8/526	A	Volcano Dispatch
3	Tactical	NIFC T1	DIV A/B	168.0500	0.0	168.0500	0.0	A	
4	Tactical	NIFC T2	DIV C	168.2000	0.0	168.2000	0.0	A	
5	Tactical	NIFC T3	D/Dozer/contingency	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 County Latitude, Longitude							

Deviation is assumed to be narrow band unless otherwise noted in the remarks. Mode refers to either "A" (analog), "D" (digital) or "M" (mixed mode). 1/14/14 v.5



Health & Safety Message

Incident: Keauhou Ranch Fire HI-HVP-1800002096	Date/Op Period: Aug. 11, 2018 0700-0700 hrs.
--	--

Hazards & Risks

Transfer of Command: A transition of Command brings some challenges to fire operations. Getting to know new faces, possible changes to strategy & tactics, local knowledge versus outsiders unfamiliar with local factors influencing fire behavior; changes in the communications plan, etc. Take some time to review the IAP and give thorough briefings to your crewmembers, especially highlighting changes to previous operational periods.

Weather & Fire Behavior: Review the daily weather forecast and monitor hourly weather trends out on the fire line. Understand weather trigger points that may increase fire behavior and communicate those trends to your folks out on the line.

Hazardous Terrain Features: An active volcanic eruption, seismic activity, hazardous road conditions and unstable slopes of volcanic rock, presents multiple hazards to firefighters. Be aware of your surroundings and scout out your work area before committing resources. Review the alert and evacuation plan in your IAP in the event of an eruption and have a tentative escape route for folks on your Divisions.

Hazards Trees: Survey your work areas prior to working and identify fire-weakened trees and standing snags that might pose a threat to firefighters. Sawyers should be qualified and skilled commensurate with the complexity level of the trees they are felling. Secure a safe and controlled work zone well away from personnel, roads and structures.

Prepared by: Paul Tompkins SOFR2

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

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:**
 - Hilo: USFS Building - 60 Nowelo St, Hilo
 - Kahuku: NPS Kahuku Unit Ranch House (Toward Kona on Hwy 11)



*** 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:**
 - Hilo: USFS Building - 60 Nowelo St, Hilo
 - Kahuku: NPS Kahuku Unit Ranch House (Toward Kona on Hwy 11)

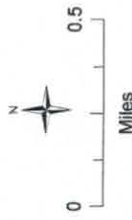
The Operations Section Chief will work with Division Group Supervisors to ensure all personnel listed on the divisions ICS-204 form are accounted for.

EVACUATION

2018 HAVO Increased Volcanic Activity Evacuation Map

Hawai'i Volcanoes National Park

August 9, 2018

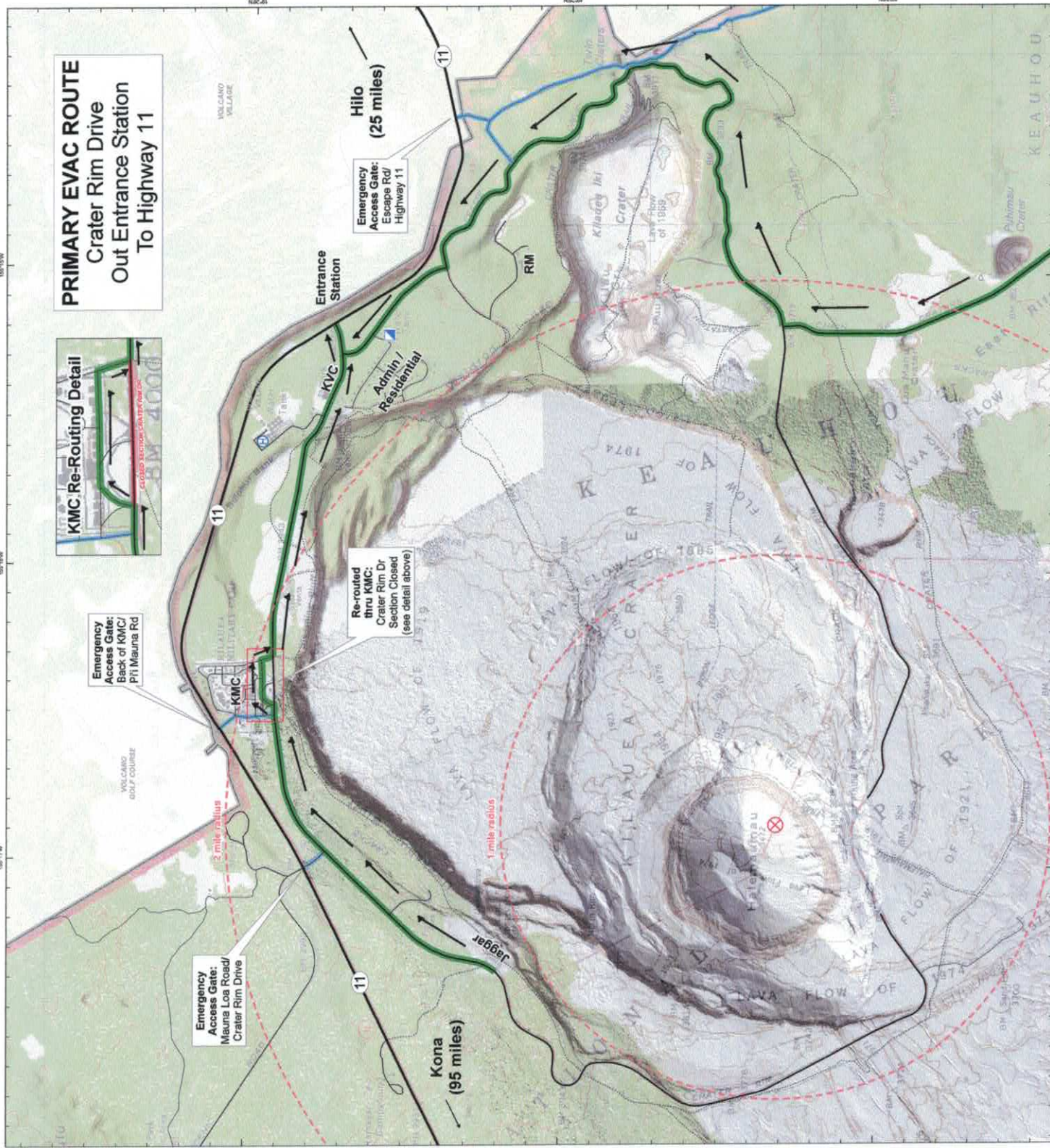


Legend

- Former Lava Lake
- Helibase
- Incident Command Post
- Halemauau 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 Fire	2. Operational Period: 8/11/12 – 8/12/18 0700 - 0700
---	---

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 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: Paul Tompkins			
8. Approved by (Safety Officer): Name: Paul Leusch <i>Paul Leusch SOF2</i>			
<table style="width: 100%;"> <tr> <td style="width: 20%;">ICS 206</td> <td style="width: 20%;">Medical Plan</td> <td style="width: 60%;">Date/Time: 08/09/2018 2030</td> </tr> </table>	ICS 206	Medical Plan	Date/Time: 08/09/2018 2030
ICS 206	Medical Plan	Date/Time: 08/09/2018 2030	

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

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.

ACTIVITY LOG (ICS 214)

[illegible]