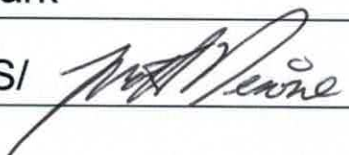




Incident Action Plan 03

Keauhou Ranch Fire

August 10, 2018, 0700 to August 11, 2018, 0700

Incident Type:	Wildfire	
Incident Location:	Hawaii Volcanoes National Park	
Incident Commander:	Matt Desimone	Signed: ISI 

1. Incident Name:
Keauhou Ranch Fire

2. Operational Period:
August 10, 2018, 0700 to August 11, 2018, 0700

3. Objective(s):

1. Clean up along the Kapapala dozer break and cold line along the Park boundary.
2. Clean up dozer break adjacent to Keauhou dip reservoir.
3. Improve existing fire break between Volcano Golf Course and the fire area.
4. Clear Mauna Loa Strip Road of snags and hazards,
5. Minimize impacts to Native and cultural resources, and minimize spread of invasive species.
6. Provide a safe operating environment; utilize risk management.

4. Significant Weather:

Friday
Showers likely, mainly before noon. Mostly cloudy, with a high near 74. East northeast wind 3 to 8 mph. Chance of precipitation is 70%. New precipitation amounts between a tenth and quarter of an inch possible.

Friday Night
Scattered showers. Mostly cloudy, with a low around 57. North wind 6 to 8 mph. Chance of precipitation is 40%. New precipitation amounts of less than a tenth of an inch possible.

Saturday
Scattered showers, mainly before noon. Partly sunny, with a high near 74. East northeast wind 7 to 10 mph. Chance of precipitation is 40%. New precipitation amounts of less than a tenth of an inch possible.

Saturday Night
Scattered showers, mainly after midnight. Mostly cloudy, with a low around 56. North wind 7 to 10 mph. Chance of precipitation is 40%. New precipitation amounts of less than a tenth of an inch possible.

Sunday
Scattered showers, mainly before noon. Partly sunny, with a high near 74. North northeast wind 5 to 10 mph. Chance of precipitation is 40%.

Sunday Night
Scattered showers, mainly after midnight. Mostly cloudy, with a low around 55. North northeast wind 3 to 7 mph. Chance of precipitation is 40%.

5. General Situational Awareness:

Be aware there is still an active eruption ongoing and a storm system in the vicinity.
Monitor weather conditions constantly; be aware of rapid changes in fire behavior.
Report directly to supervisors and maintain radio contact at all times.
Maintain accountability and situational awareness at all times
Create safety zones due to hazardous terrain.

6. Site Safety Plan Required? Yes No

7. Incident Action Plan (the items checked below are included in this Incident Action Plan):

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> ICS 202 | <input checked="" type="checkbox"/> ICS 206 | <u>Other Attachments:</u>
<input checked="" type="checkbox"/> Blank ICS 214
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____ |
| <input type="checkbox"/> ICS 203 | <input type="checkbox"/> ICS 207 | |
| <input checked="" type="checkbox"/> ICS 204 | <input checked="" type="checkbox"/> ICS 208 | |
| <input checked="" type="checkbox"/> ICS 205 | <input checked="" type="checkbox"/> Map/Chart | |
| <input checked="" type="checkbox"/> ICS 205A | <input checked="" type="checkbox"/> ICS 206 WF Medical Plan | |

8. Prepared by: Name: Marla Rodgers Position/Title: PSC

9. Approved by Incident Commander: Matt Desimone Date/Time: 08/09/2018 1500

ICS 202 HVNP

**HVNP ICS FORM 204
ASSIGNMENT LIST**

1. Incident Name

Keauhou Ranch Fire

2. Operational Period (Date/Time)

August 10, 2018, 0700 to August 11, 2018, 0700

Page 1 of 1

3. Branch

4. Division/Group

DIV A – Mauna Loa Strip

5. Prepared By: 08/09/2018 Date

6. Reviewed By (PSC): 08/09/2018 Date
Marla Rodgers

8. Reviewed By (OSC): 08/09/2018 Date
Nainoa Keanaaina

7. Operations Personnel
Position

Contact Information
Operations Section Chief: Nainoa Keanaaina 808-896-6198
Division Supervisor Justin Yoniles 870-405-1265

9. Resources Assigned

Resource Identifier	Resource Leader Name	Leader Contact Information	Total # of Persons	Work Assignments	Reporting Location/Time	Logistical Needs & Special Considerations
DOFAW BT-3	Joey Mello		5			
Keauhou DOZER			1	To protect nene cabins		
DOFAW T-3			2			

10. Communications and additional comments: All units will use respective radios and channels as listed on the ICS 205A and stay in radio contact at all times.

**HVNP ICS FORM 204
ASSIGNMENT LIST**

3. Incident Name

Keaou Ranch Fire

2. Operational Period (Date/Time)

August 10, 2018, 0700 to August 11, 2018, 0700

Page 1 of 1

5. Prepared By: 08/09/2018 Date

3. Branch

4. Division/Group

DIV C - Broomsedge

6. Reviewed By (PSC):

Marla Rodgers Date 08/09/2018

8. Reviewed By (OSC):

Nainoa Keanaaina Date 08/09/2018

7. Operations Personnel Position

Operations Section Chief: Nainoa Keanaaina 808-896-6198

Division Supervisor: Nate Osburn 219-871-9959

Note: Additionally develop plan to put a firebreak between the fire and the golf course.

9. Resources Assigned

Resource Identifier	Resource Leader Name	Leader Contact Information	Total # of Persons	Work Assignments	Reporting Location/Time	Logistical Needs & Special Considerations
E-602	Dexter Pacheco		11	Prevent escape makai of fire area clean up snags and hazards along Spur and Mauna Loa Roads.		
T-306			2	Provide water for firefighting use.		
Folsom Lake Crew	Jason Schroeder		21	Cold lining broomsedge flank.		
E-603	Ola Medeiros		11	Cold lining broomsedge flank.		

10. Communications and additional comments: All units will use respective radios and channels as listed on the ICS 205A and stay in radio contact at all times.

**HVNP ICS FORM 204
ASSIGNMENT LIST**

4. Incident Name

Keaou Ranch Fire

2. Operational Period (Date/Time)

August 10, 2018, 0700 to August 11, 2018, 0700

Page 1 of 1

3. Branch

4. Division/Group

DIV D – Kapapala Ranch

5. Prepared By: 08/09/2018 Date

6. Reviewed By (PSC): 08/09/2018 Date
Marla Rodgers

8. Reviewed By (OSC): 08/09/2018 Date
Nainoa Keanaaina

7. Operations Personnel
Position

Operations Section Chief: Nainoa Keanaaina 808-896-6198

Division Supervisor: Paul Mancuso 402-651-4068

9. Resources Assigned

Resource Identifier	Resource Leader Name	Leader Contact Information	Total # of Persons	Work Assignments	Reporting Location/Time	Logistical Needs & Special Considerations
DOFAW BT-1			2	Assist clearing powerline road and prevent fire spread to Kapapala Ranch.		
DOFAW BT-2			2			
DOFAW T-1			5			

10. Communications and additional comments: All units will use respective radios and channels as listed on the ICS 205A and stay in radio contact at all times.

**HVNP ICS FORM 204
ASSIGNMENT LIST**

5. Incident Name

Keauhou Ranch Fire

2. Operational Period (Date/Time)

August 10, 2018, 0700 to August 11, 2018, 0700

Page 1 of 1

3. Branch

4. Division/Group

DOZER GROUP

5. Prepared By: 08/09/2018 Date

6. Reviewed By (PSC): Marla Rodgers Date 08/09/2018

8. Reviewed By (OSC): Nainoa Keanaaina Date 08/09/2018

7. Operations Personnel
Position

Contact Information
Operations Section Chief: Nainoa Keanaaina 808-896-6198

Division Supervisor: TBD TBD

9. Resources Assigned

Resource Identifier	Resource Leader Name	Leader Contact Information	Total # of Persons	Work Assignments	Reporting Location/Time	Logistical Needs & Special Considerations
HVNP Dozer	Herbert Botello	808-960-9998	1	Establish and clean-up firebreak adjacent to the Volcano community.		
HVNP Mower	TBD		1			
BT-19A	Paul Lakin	808-985-9438	2			
E-19A	Paul Lakin	808-985-9438	2			

10. Communications and additional comments: All units will use respective radios and channels as listed on the ICS 205A and stay in radio contact at all times.

**HVNP ICS FORM 204
ASSIGNMENT LIST**

6. Incident Name

Keaou Ranch Fire

2. Operational Period (Date/Time)

August 10, 2018, 0700 to August 11, 2018, 0700

Page 1 of 1

5. Prepared By: 08/09/2018 Date

3. Branch

AIR OPS

4. Division/Group

7. Operations Personnel Position
Contact Information

Operations Section Chief: Nainoa Keanaaina 808-896-6198
Branch Director

6. Reviewed By (PSC):
Marla Rodgers 08/09/2018 Date

8. Reviewed By (OSC):
Nainoa Keanaaina 08/09/2018 Date

9. Resources Assigned

Resource Identifier	Resource Leader Name	Leader Contact Information	Total # of Persons	Work Assignments	Reporting Location/Time	Logistical Needs & Special Considerations
HFD-T-1			2	Maintain Dip Pond		
C-1			1	Provide bucket Drops		
C-3	David Okita		1			
Fuel Truck			1	Air Ops Support		

10. Communications and additional comments: All units will use respective radios and channels as listed on the ICS 205A and stay in radio contact at all times. Air-to-air is 123.45.

**HVNP ICS FORM 205A
INCIDENT TELEPHONE
COMMUNICATION PLAN**

1. Incident Name
Keauhou Ranch Fire

2. Operational Period
August 10, 2018, 0700 to August 11, 2018,
0700

3. Contact List

Incident Facilities/Contacts

Section & Position	H I I M T	N P S	O T H E R	Name	Desk Phone Number	Cell Phone No.
Command Staff						
Incident Commander		X		Matt Desimone		808-313-2069
						808-937-1969
Safety Officer		X		Jim Parker		732-557-1985
Liaison Officer	X			Joseph Farias		808-345-9606
Public Information Officer		X		Jessica Ferracane		808-345-4216
Operations Section						
Operations Section Chief	X			Nainoa Keanaaina		808-896-6198
Deputy Operations Section Chief						
Day Field Operations		X		Nainoa Keanaaina		808-896-6198
Night Field Operations						808-987-0393
Air OPS Branch Director				TBD		
Division A -Mauna Loa Strip - Supervisor				Justin Yoniles		870-405-1265
Division B - Keauhou Ranch - Supervisor		X		Justin Yoniles		870-405-1265
Division C - Broomsedge - Supervisor		X		Nate Osburn		219-871-9959
Division D – Kapapala Ranch - Supervisor			X	Paul Mancuso		402-651-4068
Dozer Boss				TBD		TBD
Planning Section						
Planning Section Chief		X		Marla Rodgers		505-933-2075
Deputy Planning Section Chief						
Situation Unit Leader						
Resource Unit Leader						
Resource Advisor		X		Rhonda Loh		808-640-0252
Logistics Section						
Logistics Section Chief		X		John Houk		775-815-8577
Deputy Logistics Section Chief						

6. Prepared by
Marla Rodgers

Date/Time
08/09/2018 1500

7. Reviewed by
Marla Rodgers

Date
08/09/2018

Medical Plan

1. Incident Name: Keauhou Ranch Fire		2. Operational Period: August 10, 2018, 0700 to August 11, 2018, 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: John Houk							
8. Approved by (Safety Officer): Name: Jim Parker							
ICS 206		Medical Plan		Date/Time: 08/09/2018 1500			

SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name: Keauhou Ranch Fire

2. Operational Period: August 10, 2018, 0700 to August 11, 2018, 0700

Safety Message for August 10, 2018

Maintaining LCES is paramount! Compounding this is the ongoing Eruption Event happening within the National Park.

- Be aware and monitor fire behavior. Fire behavior has been extreme, due to extremely dry and windy conditions. Communicate any and all changes to your Supervisor! **L.C.E.S.**
- Communications with multiple Agencies & multiple frequencies can be confusing, ensure you are using and monitoring the proper channels. **Refer to Communications Plan!**
- When traveling on the roadways within Hawaii Volcanoes N.P. and on the local roads keep your speeds down, headlights on at all times and pay close attention to road conditions. i.e. cracks in roadway, down trees and or debris, smoke conditions etc. Some of the roads are very narrow, one way in & one way out! Schools in Hawaii have begun this past week, be aware of increased bus traffic. **Drive Defensively!**
- Snags within the fire area are a concern. Look Up, Look Down, Look All Around. Also be aware of ongoing Saw Operations. Keep in contact with Division Group Supervisors and the forces on the ground. **Communicate!**
- Be aware of Air Operations (multiple helicopters) within the fire area and monitor Air to Ground Frequencies. Be aware of the possibility of other aircraft in the area. i.e. USGS performing aerial observations within the Park.
- Monitor weather and listen for weather updates. **Check local RAWs station!**
- Drive SLOW within the Incident Command Post area. Use spotters when backing up! Drive with headlights on at all times!
- Review & Understand the procedure of the Incident Medical Report (ICS 206 WF) located in the IAP and IRPG page 118.

4. Site Safety Plan Required? Yes No

5. Prepared by: Name: Jim Parker

Position/Title: SOFR

ICS 208

HVNP

Date/Time: 08/09/2018 1500

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 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



*** 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

The Operations Section Chief will work with Group Supervisors to ensure all personnel listed on the employee accountability form are accounted for.

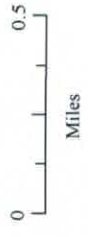
**EVACUATION MAPS ATTACHED IN
I.A.P. MAP SUPPLEMENT**

EVACUATION

2018 HAVO Increased Volcanic Activity Evacuation Map

Hawai'i Volcanoes National Park

August 2, 2018



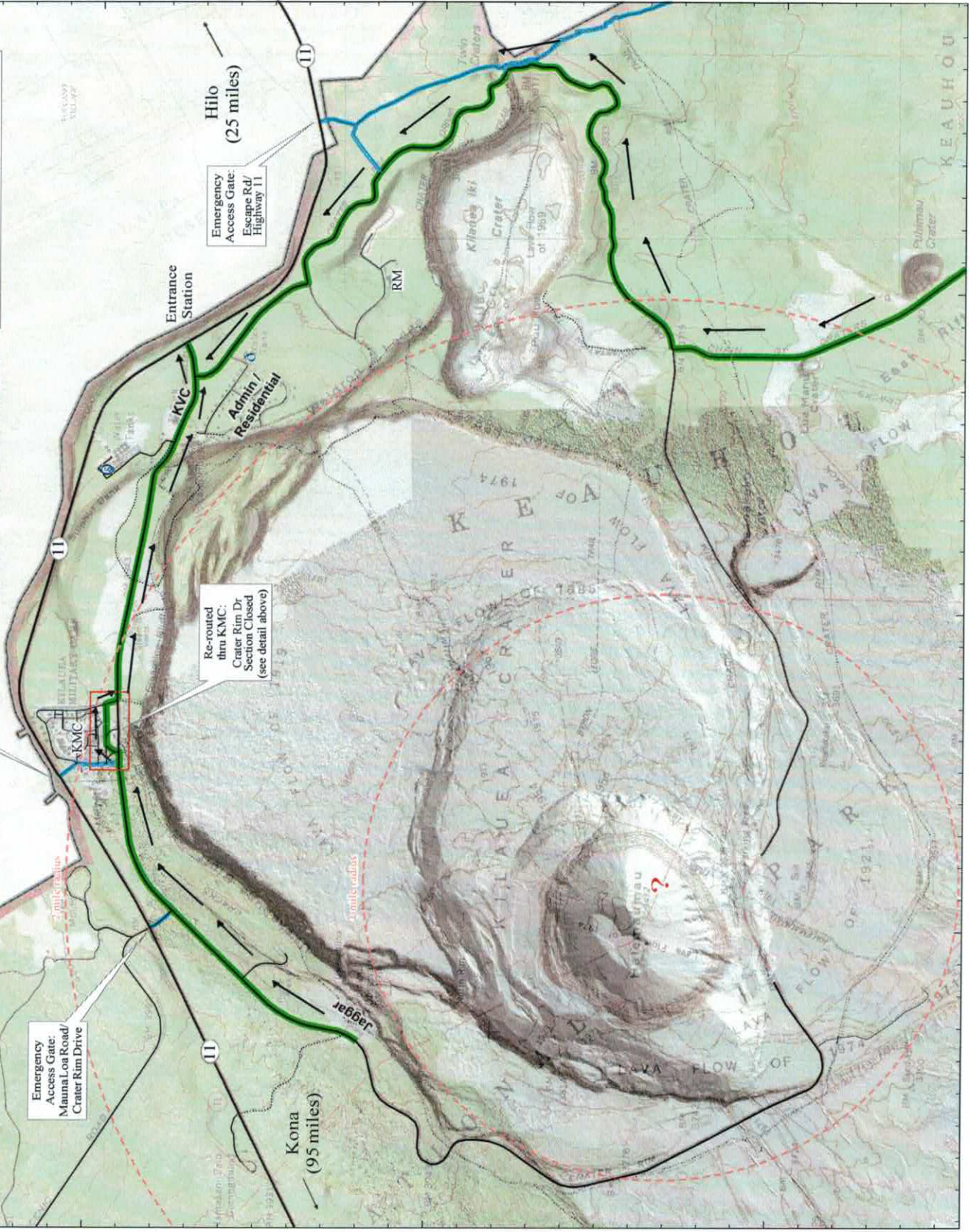
Legend

- 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



NAHRS Data
Mark Wasser
David Benitez
NPS
822018
1050 hours

PRIMARY EVAC ROUTE
Crater Rim Drive Out
Entrance Station To
Highway 11



Emergency Access Gate:
Back of KMC/
Pvt. Mauna Rd

Emergency Access Gate:
Mauna Loa Road/
Crater Rim Drive

Re-routed
thru KMC:
Crater Rim Dr
Section Closed
(see detail above)

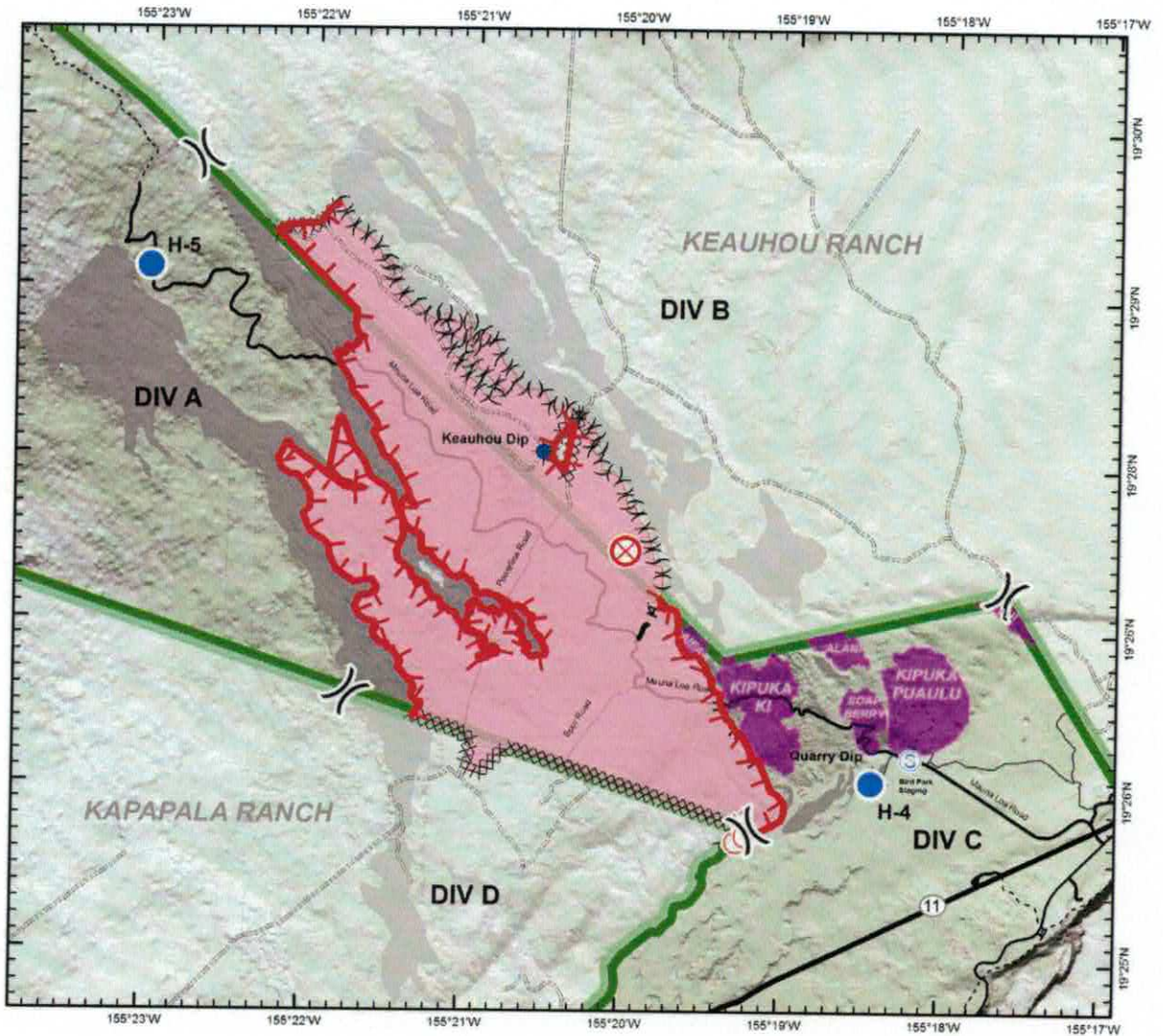
Emergency Access Gate:
Escape Rd/
Highway 11

**Keauhou Ranch
Brush Fire
HI-HVP-1800002096**

**August 9, 2018
IAP Map
3,679 acres**



- Legend**
- Dip Site
 - Fire Origin
 - Helispot
 - Spot Fire
 - Staging Area
 - Division Break
 - Uncontrolled Fire Edge
 - Completed Line
 - Completed Dozer Line
 - Completed Hand Line
 - Ridge/Geographic Feature
 - Wetfire Daily Fire Perimeter
 - Priority Natural Resources
 - Sparse Vegetation (Lava Flows)
 - GPS Boundary
 - Ranch Roads



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.

