National Park Service
U.S. Department of the Interior

HAWAI'I VOLCANOES
NATIONAL PARK

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Superintendent's Compendium

Of Designations, Closures, Permit Requirements and Other Restrictions Imposed Under Discretionary Authority.

Approved: Cynthia L. Orlando 10.3.16

/s/ Cynthia L. Orlando Date:
Cynthia L. Orlando, Superintendent

In accordance with regulations and the delegated authority provided in ***Title 36, Code of Federal Regulations ("36 CFR"), Chapter 1, Parts* 1-7**, authorized by ***Title 16 United States Code, Section* 3**, the following provisions apply to all lands and waters administered by the National Park Service, within the boundaries of Hawai'i Volcanoes National Park. Unless otherwise stated, these regulatory provisions apply in addition to the requirements contained in 36 CFR, Chapter 1, and Parts 1-7.

Written determinations, which explain the reasoning behind the Superintendent's use of discretionary authority, as required by Section 1.5(c), appear in this document.

The **2016** Hawai'i Volcanoes National Park Superintendent's Compendium will go into effect when signed by the Superintendent and remain in effect until superseded.

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36 CFR PART I. GENERAL PROVISIONS

36 CFR §1.5- CLOSURE AND PUBLIC USE LIMITS

(a)(1) The following visiting hours and public use limits are established for all or for the listed portions of the park, and the following closures are established for all or a portion of the park to all public use or to a certain use or activity:

Visiting Hours: Hawai'i Volcanoes National Park is open 24-hours-a-day with the following exceptions:

1. Any areas in the park which are temporarily closed by Superintendent's Order during emergency situations as prescribed in 36 CFR 1.5.
2. The Kahuku Unit is open to the public on weekends from 9:00a.m. To 3:00 p.m., The District may be opened to the public at other times for special programs or park events. Days and times are subject to change per discretion of the Superintendent.
3. The Kīlauea Visitor Center hours of operation are from: 9:00 a.m. To 5:00 p.m. (days and times of operation are subject to change per discretion of the Superintendent).
4. The Jaggar Museum hours of operation are from 10:00 a.m. To 8:00 p.m. (days and times of operation are subject to change per discretion of the Superintendent).
5. Coastal Contact Station (Hours based on staffing).

Public Use Limits:

1. Mauna Loa Cabin, 12 persons (Additional16 outside)
2. Red Hill Cabin, 8 persons (Additional 16 outside)
3. Kilauea Visitor Center Auditorium, 200 persons
4. Volcano House Dining Room, 219 persons
5. Nāpau Crater, 'Apua, Keauhou, Halape, Ka'aha Camping Areas 16 persons each.
6. Pepeiao Cabin, 3 persons (additional 16 outside)

Closures:

1. **Volcanic Hazards**: Due to immediate, active and unpredictable volcanic hazards, the slopes of Pu'u 'Ō'ō; all ledges, benches and beaches formed at active lava entry points on the coast, as well as specific active lava areas as posted, are closed to all visitors unless they have a permit issued by the Superintendent allowing access to those areas for specific scientific research or cultural practices. (See MAP A).

2. **Kahuku Unit:** All areas of the Kahuku Unit are closed to visitation except as stated in the previous Visiting Hours. This does not apply to administrative, government use, or scientific research with a scientific permit.

   The areas accessible for visitation when Kahuku is opened to the public includes the main ranch road for vehicle traffic from Highway 11 for 6 miles to the Upper Glover Trailhead. This includes wayside stops at the visitor check- in point, 1868 lava flow, mouflon sheep fence enclosure, and picnic area. Hiking trails that are open to the public are the lower and upper Glover, Upper and Lower Palm Trail, Kana Trail and the Pu'u o Lokuana Trail (Map E).

a. Drive only on the main road and only as far as the Upper Glover Trailhead. All other roads are closed to motorized vehicles. Off Highway Vehicles (OHVs) and motorized off road travel are prohibited.

b. No fires of any kind. Refer to section 2.21 for smoking restrictions.

3. **Halema'uma'u and Kīlauea Summit:** The eruption at Halema'uma'u continues with elevated SO2 levels and volcanic activity in the area of Kīlauea Summit. SO2 levels in the affected areas often exceed government health standards. All roads and trails in this area are closed to visitors until the situation changes and additional temporary closures will be implemented depending upon current conditions. The closure includes the Crater Rim Drive from Jaggar Museum to Keanakāko'I Overlook , Crater Rim Trail from Jaggar Museum to Chain of Craters, Byron Ledge Trail from Byron Ledge to Halema'uma'u, Halema'uma'u Trail from the caldera floor, and Ka'u Desert Trail from Mauna Iki to Crater Rim Trail. Crater Rim Drive and Crater Rim Trail is opened for pedestrian travel from the Chain of Craters Road to Keanakāko'i Overlook. (Exceptions for research permits are made on a case by case basis See Appendix 1 for conditions).

4. **'Āinahou Pens, 'Āinahou House, Gardens and Pastures**: The 'Āinahou Pens and associated pastures (marked by " closure" signs along the access roads, see Map B) are closed to all public and administrative use except for authorized staff carrying out recovery actions and personnel responding to emergencies. In the event of an emergency the first responders should alert Nēnē staff to the situation as soon as possible. Access to 'Āinahou House and Gardens is limited to HAVO employees and approved users as described in the 'Āinahou House and Gardens Interim Operating Procedures (2011).

Current approved uses of the area include:

a. Limited interpretive programs and service projects led by NPS staff and/or designated volunteers.

b. Routine administrative uses, such as road maintenance, grazing of stock animals and vegetation and wildlife monitoring. Seasonal restrictions may apply. Activities must be coordinated with Nēnē staff biologist.

c. Other requests for access must be approved by the Superintendent in consultation with the Nēnē staff biologist. (See Map B and the 'Āinahou House and Gardens Interim Operating Procedures, 2011).

5. **Emergency Closures for Wildlife and Plants**: Specific Park areas may be closed for the emergency seasonal protection of wildlife and plants. Those areas will be closed and/or opened through the posting of signs and the issuance of park memorandum and/or press releases.

6. **Road Closures for Motor Vehicles:** The following roads within the Park are open to public use. All other roads including unpaved and service roads are closed to the public for motor vehicle use.

a. Highway 11 in its entirety, throughout the Park.

b. Chain of Craters Road, its pullouts, parking lots and access roads.

1. The Chain of Craters Road is closed to all commercial vehicles and buses with a maximum manufacturer passenger capacity of more than 26 persons, from the Kealakomo Overlook to the end of the Chain of Craters Road.

2. Chain of craters road is closed to public vehicles beyond the circular turnaround at the coastal end extending to the Kalapana boundary.

c. Crater Rim Drive and its pullouts and parking areas. Due to the ongoing eruption at Halema'uma'u Crater Rim Drive is closed from Jaggar Museum to Chain of Craters Road.
d. Mauna Loa Road (aka Strip Road).
e. Hilina Pali Road (includes campground and overlook).
f. Paved access roads to:

1. Tree Molds
2. Kīpukapuaulu Picnic Area (Bird Park Picnic Area)**
3. Kīlauea Overlook and Picnic Area.
4. Steam Vents.
5. Volcano House
6. Namakanipaio Campground **
7. Kīlauea Iki Overlook
8. Pu'u Pua'i Overlook
9. Devastation Trailhead
10. Public Parking Area at the Hawaiian Volcano Observatory/Jaggar Museum.
11. Paved overlooks/Parking areas along the Chain of Craters Road.
12. Mauna Ulu Trailhead
13. Kīlauea Visitor Center
14. Research Center
15. Kulanaokuaiki Campground

g. Kahuku main road including the paved section from Highway 11 to the park's Visitor Contact Station and the unpaved section of the main ranch road to Upper Glover.

*** These roads, campgrounds, and picnic areas are subject to fire restrictions and closures during VERY HIGH (Fire Staffing Level 4)and EXTREME Fire Danger (Fire Staffing Level 5) in accordance with the Park's **Fire Management Plan** ***

All roads are subject to emergency closures without notice prior to and during natural disasters and events including; volcanic eruptions, and/or seismic activity, hurricanes, tsunamis, high winds, and flooding conditions. Closures will comply with Watches and Warnings issued for events.

Watch: Predicted conditions expected anytime within 48 hours.
Warning: Predicted conditions expected anytime with 36 hours.

The gated connector road between Crater Rim Drive and the Mauna Loa Strip Road, as well as

the gated entrance to Kilauea Military Camp opposite the Pi'i Mauna Road are emergency access roads and are for administrative use only.

7. **Closures for Emergencies, Maintenance and the Preservation of Cultural and Natural Resources**: All park roads, trails, facilities and specified designated areas are subject to temporary closure as indicated by signs or other means of notification during periods of , emergencies, other public safety concerns, or for the preservation of cultural and natural resources. These temporary closures may be made until the Superintendent has an opportunity to make public notification for closures of longer durations (usually more than 24 hours}.This includes closures made immediately upon the discovery of ROD (Rapid Ohia Death) or similar threats.

8. **Trails Closed to Bicycle Use:** All Kīlauea and Kahuku front country and back country trails are closed to bicycle use with the exceptions listed in Section IV 4.30(b) of this compendium.

9. **Unmanned Aircraft:** Launching, landing, or operating an unmanned aircraft from or on lands and waters administered by the National Park Service within the boundaries of Hawai'i Volcanoes National Park is prohibited except as approved in writing by the superintendent.

The term "unmanned aircraft" (AKA UAS-Unmanned Aerial System) means a device that is used or intended to be used for flight in the air without the possibility of direct intervention from within or on the device, and the associated operational elements and components that are required for the pilot or system operator in command to operate or control the device (such as cameras, sensors, communication links). This term includes all types of devices that meet this definition (e.g., model airplanes, quadcopters, and drones) that are used for any purpose, including for recreation or commerce.

Un-permitted "Unmanned Aircraft" may pose a hazard to the administrative use of aircraft, a safety risk to the public, interfere with the natural life cycle of protected wildlife, or may be a visual and audio impairment to the visitor experience.

The following restrictions and/or conditions are in effect for the specific uses or activities noted:

- Turtle Habitat areas: The Federally listed endangered hawksbill turtle *(Eretmochelys imbricata)* nests along the coastal areas of 'Apua point, Keauhou, Halape, Ka'aha, Kakiwai, and Kalu'e. During nesting season, designated sections of these beaches will be closed to camping, artificial lights, livestock, or other activities, which are disruptive to nesting turtles and hatchlings. These restrictive areas will be posted with signs or fences. All other areas of the beach will be open to the public. Park rangers and turtle personnel will patrol and monitor the area during the nesting season (See map C).

- Use of throw nets in Coastal areas: No nets, except for legal sized throw nets may be transported or possessed within the coastal areas of Hawai'i Volcanoes National Park. *[36 CFR* Sec.2.4 *(a) (1) (i)]*

- Special Regulations:
  Fishing is restricted in the Kalapana Extension. Refer to 36 CFR Part 7.25 Special Regulations.

- Buses in all areas of the Park: No person shall cause, suffer, or allow any engine to be in operation while the motor vehicle is stationary at a loading zone, parking or other off street areas. Three minutes are allowed for startup/cool down or passenger loading/unloading. [106 HRS &3428-47]

- Commercial Tours at Mauna Ulu: Commercial Tours are prohibited on Mauna Ulu unless guides have attended certification training from the NPS, which will enable them to receive a Special Use Permit (SUP) for the activity. Only visitors, NPS guided tours, those with SUPs, permitted scientific research and Native Hawaiian practitioners are authorized to enter this area described as the flanks and summit of Mauna Ulu. *This restriction will reduce resource damage to the area and impacts to cultural features and practices.*

36 CFR §1.6 – PERMITS

(f) The following is a compilation of those activities for which a permit from the superintendent is required:

1. The following activities related to Public Use Limits :(§1.5)
   a. Overnight backcountry use.
   b. Cave Entry into any cave in the park with the exclusion of the main loop trail of Thurston Lava Tube (also see 36 CFR 7.25(b).
   c. Day hiking on the Nāpau Trail beyond Pu'u Huluhulu, and Naulu trails due to volcanic activity. Permits for this area may be obtained through the self-registration stations located at the two trail heads.
   d. Overnight Camping for Kulanaokuaiki Campground.
2. Removal of alien plants for non-commercial use. (§2.1).
3. Carry or possess a weapon, trap or net (§2.4) (Public Law 111-24 sec. 512 allows for the possession of firearms in compliance with Hawai'i laws).
4. Scientific Research where there is a disturbance to park resources and/or the collection of Specimens (Collection of any plant, wildlife (including insects), rocks or minerals etc., for scientific purposes.)(§2.5)
5. All camping activities in areas of the backcountry for overnight use (§2.10) Backcountry is designated as 1 mile from any road or development.
6. Operating a chain saw in developed areas and the use of small power implements such as chain saws, lawn mowers, "weed eaters", etc., by park employees, tenants, or authorized persons within their respective curtilage, is permitted, without written permit, in residential, maintenance, service, utility, and concessions areas between the hours of 7:30 a.m.

and 7:00 p.m. daily (§2.12).

7. Special Use Permits (SUP): The Special Use Permit authorizes activities that benefit an individual, group or organization, rather than the public at large. The park uses this permit as a management tool in order to protect park resources and the public interest. Private ceremonies (such as weddings), sporting and other public events, First Amendment rights that contain more than 25 people and other activities that are not directly sponsored by the National Park Service are examples of activities requiring such a permit. A special use permit application can be found on the Hawaii Volcanoes National Park website: https://www.Nps.gov/havo. There is no application fee for first amendment activities.

8. The use of explosives within Hawai'i Volcanoes National Park is prohibited except by the written permission of the Superintendent, for use of such explosives under the proper Federal and State regulations, laws and standards. (§2.38).

9. Memorialization-(§2.62)

(A) Monuments: The construction of monuments requires the approval of the Regional Director.

(B) Scattering of ashes: The scattering of human ashes from lawful cremation requires a written permit issued by the Superintendent in conformance with Part 1 of this chapter and under the following conditions:

Requests

The written request for the scattering of ashes shall set forth the following:

-Name of applicant.

-Name of deceased.

-Date, time, and duration of the ceremony or actual scattering of the ashes.

-Estimated number of person's involved and/or attending ceremony.

-The specific location where the ashes are to be scattered.

-Any other specific details of the ceremony that would require Park management attention or approval.

-Written requests for the scattering of ashes shall include a certified copy of the death certificate for the deceased, issued by the State or legal authority having lawful jurisdiction over such matters.

Locations

The scattering of ashes is permitted only at the following locations:

- Kīlauea Overlook
- Kīlauea Iki Overlook

- Waldron's Ledge
- Hilina Pali Lookout
- Kīpukapuaulu (Bird Park)
- Coastal Areas accessed by Chain of Craters Road
- Holei Pali Overlook
- Pit Crater Overlooks

Scattering must take place in such a manner and in such a location that the ashes will not be located and identified as human remains.

-No memorials (including rock piles), plaques, photos, or flowers will be left in the park.
-The permittee recognizes and is aware of the sensitivity of this activity and agrees to perform it in a discreet and private manner.
-Established entrance fees are required and this permit does not waive those fees.
-All local, state, and federal rules and regulations must be followed.
-The Superintendent, within their discretion may prohibit the scattering of ashes at specific points within the Park.
-Scattering is not permitted at or in the Halema'uma'u Crater.
-Violation of the terms and conditions of the memorialization permit may result in the immediate revocation of the permit and/or other law enforcement action.
-The burial of human remains or partial remains that have not been lawfully cremated is prohibited.

10. Cave Entry/Pit Crater registration. (§7.25)

To protect sensitive cave systems and mitigate safety concerns, entering, exploring lava tubes or pit craters without a permit from the superintendent's office is prohibited. This section does not apply to the developed sections of Thurston Lava Tube or trails into Kilauea Iki Crater. The Superintendent has further determined the intent of this regulation does not apply to park visitors who attend park sponsored interpretive walks to designated caves.

36 CFR PART II. RESOURCE PROTECTION, PUBLIC USE & RECREATION

36 CFR §2.1- PRESERVATION OF NATURAL, CULTURAL AND ARCHEOLOGICAL RESOURCES

1. "Pele's Hair", "Pele Tears" "lava" of any description, dirt, sand, or other natural mineral resource is considered a mineral resource for the purpose of this regulation. Possessing or removing it from the park is illegal as defined under §2.1 (a) (1). (Educational collection is not allowed, collecting for scientific study requires a permit §2.5 (g) (2). Information on obtaining a permit for scientific study may be obtained at *http://science.nature.nps.gov!research/ac!Research/ndex* or contacting the parks scientific advisor.

2. The making of lava cast(s) will be considered defacing or disturbing the natural feature from its natural state.

3. Dead wood on the ground may be collected for use as fuel for campfires within the park in the following areas:

- Within 100 yards of Namakanipaio campground
- Within 100 yards of Kīpukapuaulu (Bird Park) picnic area
- Within 100 yards of Kīlauea Military Camp ballpark picnic area

(Note: Wood collected in the Park may not be removed from the Park, or sold commercially. Cutting live [or dead] standing trees is prohibited unless authorized in writing by the Superintendent.)

4. The following conditions are in effect for walking, climbing, entering, ascending or traversing the listed archeological or cultural resource, monuments or statues:

Hiking or pedestrian traffic is restricted to the trailhead or walkway on the following trails/walkways:

- Thurston Lava Tube pit crater
- Pu'u Pua'i and Devastation Trail
- Sulphur Bank and Steam Vents
- The petroglyph field at Pu'u Loa may be entered and traversed by visitors via the boardwalk to view the site. Visitors must remain on the boardwalk in this immediate (within 100 feet) area. Unless part of a park sanctioned guided hike.

5. Rock climbing and rappelling are inconsistent with protection of park natural and cultural resources and pose safety concerns due to loose, fragile rocks and limited anchoring. These activities are prohibited by the public unless participating in an approved Search And Rescue or Resource Management activity.

6. The following fruits, nuts, berries or unoccupied seashells may be gathered by hand for personal use or consumption, in accordance with the noted size, quantity, collection sites and/or use or consumption restrictions:

- Fruit from the following edible species may be gathered for personal use and consumption without a written permit. Collection can be by any non-- mechanical means. No motorized tools may be used for any collection without written authorization from the Superintendent. Extreme care must be exercised in the collection so as not to damage the host plant or surrounding vegetation and to leave some fruit on each plant.

	Common Name	**Scientific Name**
	Avocado	*Persea americana*
	Blackberry	*Rubus argutus*
*	Niu (coconut)	*Cocos nucifera*
	Guava	*Psidium guajava*
	Liliko'i (Passion Fruit)	*Passiflora edulis*
**	'Ohelo Berries	*Vaccinium reticulatum*
	Poha	*Physalis peruviana*
	Thimble Berry	*Rubus parviflorus*

Waiawi (Strawberry Guava)	*Psidium cattleianium*
White Strawberry	*Fragaria vesca*
Yellow Raspberry	*Rubus ellipticus*

* Coconuts may not be taken by throwing rocks or other objects, or by climbing on walls of archeological features.

** Only one (1) quart of 'Ohelo berries, per person, per month, may be collected. Seasonal closures on collecting 'Ohelo berries at specific times and locations may occur to protect Nēnē forage.

For exotic plants not listed above contact the Park's Chief of Resource Management.

Removal may not be for commercial purposes/uses. Removal is limited to the use of any non-mechanized means such as small, single person, hand- operated garden tools.

36 CFR §2.2 -WILDLIFE PROTECTION

The transporting of lawfully taken wildlife through the park is permitted under the following conditions and procedures:

- Wildlife, which is legally taken from outside the boundaries of the park, may be transported through the park in an expeditious manner. This will usually entail the hunter or fisherman driving through the park on Highway 11. The hunter/fisherman must have supporting documentation that the wildlife was properly taken such as animal tags, hunting permits, licenses, etc.

- The entire park is closed to viewing wildlife by the use of any artificial light.

36 CFR §2.4 -WEAPONS, TRAPS, AND NETS

- Persons are prohibited from possessing any net other than a legal sized throw net in the coastal area of the Park. See *Section 1.5 of the Compendium for specific restrictions.*

- There are no public firearm ranges in Hawai'i Volcanoes National Park.

- Hunting is prohibited.

- Persons authorized to carry firearms or with Hawai'i State Concealed Carry Permits are allowed to possess firearms in compliance with federal and state law. They are prohibited from discharging any weapons and possessing firearms in buildings where federal employees work.

In all other cases, a permit is required to possess a weapon, trap or net. The superintendent will only issue a permit to carry or possess a weapon, trap or net under the following circumstances:

1. For authorized agents (qualified volunteers) in support of approved/permitted research activities or who are a part of the Park's ungulate reduction program may possess specific weapons authorized under the permit or program.

2. To persons in charge of pack trains or saddle horses for emergency use.
3. For employees, agents or cooperating officials- for official duty.
4. To provide access to otherwise inaccessible lands or waters that are contiguous to the park when other means of access are impractical or impossible.

- All federal, military, state and local law enforcement officers retired or active duty who are authorized to carry defensive equipment in accordance with their individual agency's defensive equipment policies, so long as:

    1) Carrying such equipment is in accordance with all MOU's agreed upon by each agency.
    2) Such officers are acting in an official capacity and/or are required or permitted to carry defensive equipment during "off duty" status.
    3) On-duty military personnel, where the weapon is required in the performance of their duty.

36 CFR §2.10- CAMPING and FOOD STORAGE

- All overnight backcountry use requires a written permit. An administrative fee per permit is collected by the park. Backcountry is defined for this purpose as any area of the park more than one mile from a developed area and more than one mile from a paved road.

    -The following areas with designated camping are limited to 16 persons in combination with all other permits for that site; 'Apua, Keauhou, Halape, Ka'aha and Nāpau, as well as outside at Mauna Loa, Redhill and Pepeiao Cabins.
    -The use of the cabins also requires a backcountry permit and the use limits apply as outlined in Section 1.5.

- Overnight use in the developed road accessible campgrounds requires a written permit for which there is an administrative fee collected by the park.

    - Except as permitted in group campsites, the number of campers is limited to six persons, or, all members of an immediate family, and only one vehicle per site in the developed campgrounds.
    - No person, group or organization shall camp anywhere in the Park for more than a total of 30 days per calendar year, or more than seven nights per month at a developed, road accessible campground, without a special use permit.
    -No person, group or organization shall camp at any backcountry destination for more than three consecutive nights. (See above for "backcountry" definition).

36 CFR §2.11 – PICNICKING

Areas Closed to Picnicking: (Picnicking is allowed unless it is listed here.)

- Within the area assigned for the Volcano House concession operation, unless authorized by the Hawaii Volcanoes Lodge Company. Although these areas are on

NPS lands, they are assigned to the company.

- Within the area assigned to the Kilauea Military Camp, unless authorized by KTiauea Military Camp. Although this area is on NPS land, it is administered by the Department of Defense through the depart of Morale, Welfare and Recreation (MWR) under a Special Use Permit (SUP).As of May, 2016, the ball field area is no longer part of KMC operations.

- Within any NPS residential, maintenance, service, or utility area unless sponsored and accompanied by an NPS employee or resident of the Park.
  In order to respect the privacy of residence, the safe and orderly operation of park facilities and in recognition of the area administration agreements of park partners.

36 CFR 2.12- AUDITORY DISTURBANCES

Motor Vehicles and Buses:

•Operation that exceeds a noise level of 60 decibels measured on the A-weighted scale at 50 feet or if less makes noise which is unreasonable considering the nature and purpose of the drivers conduct, location, time, site purpose and impact on park users.
• Commercial Buses may leave engines running for not more than three minutes providing the noise level does not exceed 60 decibels.

36 CFR 2.13- FIRES

The lighting or maintaining of fires is generally prohibited, except as provided for in the following designated areas or receptacles, and under the conditions noted:

Designated Areas: *Wood and briquette fires are allowed without a permit at the following locations:*

- Kīpukapuaulu (Bird Park) Picnic Area fireplaces and fire grates.
- Namakanipaio Campground fireplaces and fire grates.
- Namakanipaio concessionaire cabins fire grates.
- Kīlauea Overlook fire grates.
- KMC Ball field Picnic Area fire places and fire grates.

Fueled stoves may be used **ONLY** in the following:
-developed campgrounds.
-picnic areas (where there are established picnic tables).
- Backcountry campsites with a *Backcountry Use Permit.*

(Note: IF THE FIRE DANGER IS "HIGH" OR GREATER WITHIN THE PARK, FIRE USE MAY BE FURTHER RESTRICTED OR PROHIBITED BY THE POSTING OF APPROPRIATE SIGNS AND THE ISSUANCE OF PRESS RELEASES.)

Receptacles Allowed:

Only provided fire grates and fireplaces at the above locations are

allowed.

Established Conditions for Fires:

The following roads and areas may be closed to vehicular traffic in times of high fire danger.

- Mauna Loa Road
- Hilina Pali Road

36 CFR §2.15- PETS

NOTE: Service Animals are excluded in sections pertaining to "PETS." However, Service Animals are prohibited from areas where their presence will be detrimental to park resource management programs.

Pets are **PROHIBITED** in the following areas:

- In all undeveloped areas of the Park, including all designated wilderness areas and backcountry trails.
- On all front-country trails, including unpaved and paved trails and trails with boardwalks.
- On all roads marked on the map as "Roads" that are only used for authorized vehicles. Roads intended for administrative use are considered "trails" and are therefore closed to pets.
- Along Chain of Craters Road from Pu'u Loa Petroglyphs to the Eastern park boundary in order to protect the federally endangered Nēnē (Hawaiian Goose).
- On the 'Āinahou access road.
- On the entire Hilina Pali Road (including at the Kulanaokuaiki Campground and at Kipuka Nēnē) in order to protect the federally endangered Nēnē (Hawaiian Goose).

Pets on a leash that is a maximum of 6 ft. in length are **PERMITTED** in the following areas [Also see map G]:

- At all parking areas and surrounding curbs, excluding any parking areas on Hilina Pali Road.
- On Crater Rim Drive, in areas open to cars.
- On the Chain of Craters Road down to Pu'u Loa Petroglyphs.
- At Namakanipaio Campground.
- On Mauna Loa Road (also called the "Strip" Road).
- On Highway 11.
- At the Kīlauea Military Camp:
    - On paved roads and parking areas.
    - At the picnic area, up to the park ball field gate.
- At the Kahuku Unit:
    - In "Developed Areas" that include the open fields adjacent to the Visitor Contact Station and other park buildings and the area that extends to the boundary of the forested areas up to and not including Pu'u o Lokuana.
    - On the Road from Highway 11 up to the Trail Head intersection of Pu'u o Lokuana.

- Visitors are encouraged to check with the Kahuku staff for clarification on the location of these areas.

All areas not mentioned in the "Open" Section above are closed. Additional temporary closures may be made to protect wildlife and will be documented by a memo from the Superintendent.

Pets may be kept by park residents under the following conditions:

•Pets kept by Park residents, must be in compliance with the "Park wide Resident Pet Policy". The "Park wide Resident Pet Policy" applies to all residents/occupants of any quarters within the Park regardless of location, ownership or employer.

36 CFR §2.16- HORSES and PACK ANIMALS

The following animals are designated as pack animals:

•For the purposes of this Compendium, saddle and pack animals includes horses, burros, mules, and donkeys. The use of dogs, llamas and other animals for transportation or the packing of supplies is prohibited. **[See: Map F]**

Free-trailing or loose-herding is NOT permitted in Hawai'i Volcanoes National Park.

Other conditions concerning the use of horses or pack animals:

- To prevent trail and resource damage, stock use is prohibited on the following trails:
  - Halema'uma'u Trail
  - Sandalwood Trail ('Iliahi)
  - Byron Ledge Trail
  - Devastation Trail
  - Bird Park Nature Trail (Kīpukapuaulu)
  - Crater Rim Trail from the Hawaiian Volcano Observatory/Jaggar Museum north via the Kīlauea Visitor Center area to Thurston Lava Tube (Nahuku).
  - In the 'Ola'a Tract
  - Between Red Hill (Pu'u'ula'ula) and the summit of Mauna Loa
  - Trail between Namakanipaio Campground and Jaggar Museum
  - Nāpau Crater Trail.
- Individuals using stock in gated areas must secure all gates after passing to maintain integrity of fenced feral animal control areas.
- Stock are prohibited on paved roads except that which is minimally needed to transition from a trailer to a trail or between two designated backcountry horse use areas.
- Saddle and pack animals are required to stay on established trails for safety and resource protection.
- To prevent resource damage no more than six stock animals are allowed per

group and/or destination regardless of day use or overnight use.

- The overnight or long term (over one hour) tethering of stock to standing trees, either living or dead, is prohibited.

- Stock use at 'Āinahou is subject to seasonal closure and is restricted to the 'Āinahou access road only. The 'Āinahou House, Nēnē pens and associated pastures are closed to stock use. See Map B and page 3 General Provisions, Closures 4. for further information.

- All stock must be tethered at Park installed hitching posts if available, or picketed at least 100 feet from any structure or obvious camping site in the backcountry.

- Stock may not enter any beach area or brackish water pond.

- All stock are strictly prohibited at Namakanipaio Campground.

- All stock are strictly prohibited anywhere within the Kahuku Unit.

36 CFR §2.17- AIRCRAFT and AIR DELIVERY

- Hang gliding, para gliding, ultra-light aircraft, base jumping, bungee jumping, and hot air balloons: the use of parachutes or other airborne means are prohibited by 36 CFR 2.17 (3). In addition, these uses pose safety and user conflict concerns and do not contribute to public use and enjoyment of the park.

- The procedures for removing any downed aircraft and/or component parts from within the Park are outlined as follows; a permit meeting the following stipulations is required:

    1) Prior to starting removal operations the owner(s) of the aircraft or their designated representatives must present a detailed written removal plan to the Park's Superintendent that includes mitigations to protect the safety of all exposed to risk and reduce adverse impacts to park resources.
    2) Once the proposed plan is submitted, the Superintendent will designate the appropriate park employee(s) to review the plan. This review will include the following:
        a. Past work history of the organization(s) involved.
        b. Proposed date, time, and duration of the removal process.
        c. Possible impacts on the Park or Park resources, facilities, visitor use and the personal safety of the parties involved.
        d. The Superintendent reserves the right to require participation in the removal plan/operations of as many Park employees as they deem necessary to ensure compliance with the terms and conditions of the removal permit, safeguard Park resources, minimize environmental damage, and ensure the personal safety of all parties involved.
        e. The additional costs associated with the assignment of Park employees and/or equipment will be paid for by the owner(s) of the aircraft and not the National Park Service, except for normal cost associated with the administration and operation of the Park.
        f. The Superintendent or their designee may modify, stop, change, or require additional actions, equipment, or personnel at any time during

the removal process based upon unforeseen circumstances. All additions and requirements to the removal plan/operations will be borne by the owner(s) of the aircraft and not the National Park Service.

NOTE: Section (c) (1) authorizes the superintendent to establish procedures for the removal of an aircraft; establish a timeframe for the removal; determine times and means of access to the site, and specify the manner or method of removal. The intent of this section is to allow superintendents control over the recovery of downed aircraft through a permitting process.
[48 FR 30268, June 30, 1983].

36 CFR §2.18 – SNOWMOBILES

- Snowmobiles and their use are prohibited in Hawai'i Volcanoes National Park. There are no designated snowmobile routes in Hawai'i Volcanoes National Park, as snowline is within the park's designated wilderness area.

36 CFR §2.20- SKATING, SKATEBOARDS and SIMILAR DEVICES

The use of roller skates skateboards, roller skis, coasting vehicles, or similar devices are allowed in the following areas:

- The paved area of the Waldron Ledge Road
- The paved Government Residential Area
- The paved areas of Kilauea Military Camp (for camp guests)
- The paved and untraveled portions of parking.

36 CFR §2.21 – SMOKING

The following portions of the park, or all or portions of buildings, structures or facilities are closed to smoking:

- Smoking refers to all forms of tobacco or similar products including electronic cigarettes and similar nicotine delivery systems.
- Smoking is prohibited in the following locations:

  -All enclosed government buildings, including residences.
  -All of the Jaggar Museum building.
  - All of the Volcano Art Center.
  - All areas within the Volcano House.
  - All areas of the Park designated by the Superintendent as closed due to high fire danger.
  - Within 20ft of any building entrance, window or ventilation duct.
  - All areas of Kahuku are closed to smoking. Visitors may smoke within their vehicles and must completely extinguish cigarettes. Unit Manager may authorize employee smoking sections in areas not affected by fire danger.
  - On all unpaved trails. Smoking is allowed at backcountry camping areas unless in an area closed due to fire danger. All cigarette butts must be packed out.

36 CFR §2.22- PROPERTY

The following describes areas where property may be left unattended for periods longer than 24 hours, and the conditions under which property may be left:

- Visitors on backcountry trips may leave their vehicles unattended for the period authorized in their Backcountry Use Permit at designated parking areas.

- No visitor's property will be left unattended or stored, at or in the Kilauea Visitor Center or Jaggar Museum at any time.

- Geocaching is not allowed in the park. All geocaches will be considered unattended and abandoned property and will be removed.

36 CFR §2.23 – RECREATION FEES

Recreation fees, and/or a permit, in accordance with 36 CFR part 71, are established for the following entrance fee areas, and/or for the use of the following specialized sites, facilities, campgrounds, backcountry sites, equipment or services, or for participation in the following group activity, recreation events or specialized recreation uses:

Entrance Fee Areas:

•The following admission fees for seven days are charged for entry to all areas of Hawai'i Volcanoes National Park:

$20.00 admits one single, private, non-commercial vehicle with a passenger capacity of *less than 16.* Valid passes accepted.
$10.00 admits one individual when entering by foot, bicycle.
$15.00 admits one motorcycle.
$10.00 for each person on board for organized non-commercial groups (service organizations, scouts, church groups, and college/school clubs) and any non-commercial vehicle with a passenger capacity of *16 or more*, will be charged. Valid passes may be used as defined on the back of the pass.

- The following fees apply for commercial vehicles entering Hawai'i Volcanoes National Park for recreational purposes apply:

$25 + $10	per person in a sedan with a capacity of 1-6 passengers
$75	per van with a capacity of 7 – 15 passengers
$100	per mini-bus with a capacity of 16-25 passengers
$200	per bus with a capacity of 26+ passengers
$10	per passenger for non- "road-based" commercial tours

Exceptions to Fee Charges

No fee is charged for the admission of any person 15 years of age or younger.

1) An educational fee waiver may be granted to schools or *bona fide* academic institutions that are conducting outings for non-commercial educational purposes.
2) A waiver of entry fees may be granted to groups staying at the Kilauea Military Camp, if the activities of said groups are limited to the camp. All activities outside of the Kilauea Military Camp require payment of a fee at the entrance station.
3) Persons holding valid Golden Age or Golden Access Passes, Interagency Senior, Interagency Access and Interagency Annual Passes, Interagency Military Passes, Interagency Volunteer passes, Annual Passes for Hawai'i Volcanoes National Park, Pu'uhonua O Honaunau National Historical Park, and Haleakala National Park, Every Kid in a 4th Grade Pass, or any other specialty pass authorized by the Department of Interior or the Director of the National Park Service and persons accompanying any of these pass holders in a single private, non-commercial vehicle, are not charged an admission fee.

(c) The collection of recreation fees will be suspended during the following periods:

- National Public Lands Day (One day in September each year)
- Hawai'i Volcanoes National Park Cultural Festival (One day in July each year, subject to change)
- Other days as designated by policy

Aircraft Fees:

The following fee for tour aircraft apply to tour passengers aboard aircraft which fly within the Boundaries of Hawai'i Volcanoes National Park.
$25 per aircraft per flight over the park for aircraft with between 1-25 passengers.
$50 per aircraft per flight for aircraft that have 26 or more passengers.

Backcountry and NPS Run Campground:

The following Fees apply to Backcountry Camping

$10 Fee per backcountry site per permit for overnight backcountry camping with a limit of 3 consecutive nights in one site and no more than 7 consecutive nights for the entire length of the permit.

The following Fees apply to camping at Kulanaokuaiki
$10 Fee for overnight camping per site with a limit of 7 consecutive nights.

36 CFR §2.35 -ALCOHOLIC BEVERAGES and CONTROLLED SUBSTANCES

The following public use areas, portions of public use areas, and/or public facilities within the park are closed to consumption of alcoholic beverages, and/or to the possession of a bottle, can or other receptacle containing an alcoholic beverage that is open, or has been opened, or whose seal has been broken or the contents of which have been partially removed:

- All Park public buildings except under the terms of a permit or contract issued by the Superintendent. For the purpose of this regulation, open picnic shelters are not considered park buildings.

- In the 'Āinahou Buildings and around the immediate area surrounding the 'Āinahou buildings except under the terms of a permit or contract issued by the Superintendent.

36 CFR §2.51- PUBLIC ASSEMBLIES, MEETINGS

The following areas are designated for public assemblies and or meetings:

•Kīlauea Visitor Center: On the section of lawn at the West end of the Visitor Center bordered to the north by the Volcano Art Center to the Visitor Center sidewalk, bordered to the East by the same side walk, bordered to the South by the rock wall that separates the paved area from the grass above and bordered to the West by the tour bus parking area.

•Kahuku Unit: The area south of the Visitor Contact Station and along the east side of the main entry road approximately 15 feet by 15 feet.

•Groups larger than 25 people must obtain a Special Use Permit. A group with 25 or less no permit is needed.

•Public assembly will be confined to the above-described areas only and will not include any paved walkways adjacent to those sections described. (See MAP D).

36 CFR §2.52- SALE OR DISTRIBUTION OF PRINTED MATTER

The following areas are currently designated for the sale and/or distribution of printed matter provided a permit to do so has been issued by the superintendent:

- Kīlauea Visitor Center: On the section of lawn at the West end of the Visitor Center bordered to the north by the Volcano Art Center to the Visitor Center sidewalk, bordered to the East by the same side walk, bordered to the South by the rock wall that seperates the paved area from the grass above.., and bordered to the West by the tour bus parking area.
- Kahuku Unit: The area south of the Visitor Contact Station and along the east side of the main entry road approximately 15 feet by 15 feet.
- Groups larger than 25 people must obtain a Special Use Permit. Groups with 25 or less no permit is needed.
- Distribution and sale of printed matter will be confined to the above described areas only and will not include any paved walkways adjacent to those sections described. (See Map D)
- All printed notices that are posted within the Park must have prior written approval from the Superintendent. The written approval will designate the location(s), duration, removal, and clean up procedures for each notice.

36 CFR PART IV. VEHICLES AND TRAFFIC SAFETY

36 CFR § 4.10-TRAVEL ON PARK ROADS

- All off-road vehicle travel is prohibited in the park because of potential adverse effects to soils and native vegetation, conflicts with other park uses and activities, and safety concerns. ATVs/UHVs are not allowed in the park in accordance with State and park regulations. Under Hawai'i state law (HRS 286-291), these vehicles cannot be registered, do not possess the necessary equipment to allow on roadways, and are therefore not street legal in Hawai'i Volcanoes National Park (36 CFR 4.2).

36 CFR §4.21 – SPEED LIMITS

The following speed limits are established for the routes/roads indicated:

- Highway 11, 45 mph, between the Volcano (Eastern) Boundary and MM 37
- Highway 11, 55 mph, between the Western Boundary and MM 37
- Crater Rim Drive, speeds range from 15 mph to 35 mph.
- Hilina Pali Road, 25 mph.
- Mauna Loa Strip Road, speeds range from 15 mph to 35 mph.
- Chain of Craters Road, speeds range from 15 mph to 35 mph.
- Kahuku Main Ranch Road, 15 mph, between Highway 11 and Upper Glover Trailhead.

36 CFR §4.30 – BICYCLES

(Park roads and parking areas that are closed to bicycle use are listed in section 1.5 of this document.)

The following additional routes, in developed areas or special use zones, have been designated for bicycle use:

- The "Eruption Escape Road" from Crater Rim Drive and Highway 11 access points to Chain of Craters Road at Mauna Ulu.
- The paved portions of the Crater Rim Trail from Hawaiian Volcano Observatory/Jaggar Museum north to the Kīlauea Military Camp.
- The Crater Rim Trail between Volcano House and the Resources Management Office Service Road. That portion of trail is comprised of the "Earthquake Trail", an abandoned portion of the Crater Rim Drive, as well as an unpaved bypass trail.
- The Mauna Loa Stable Service Road which starts on the Tree Molds Road.
- The Fuel Break Road which branches east from the Stable Service Road and ends at the Volcano Winery fence, and that section of the Fuel Break Road that branches west and ends at the Kīpukapuaulu Picnic Area.
- The Fuel Break Roads on Mauna Loa Strip Road, from the Keauhou Ranch fence to the Kapapala Ranch fence.
- The power line road across from the Keauhou Ranch Fence to the Kapapala Ranch Fence.

- All paved roads opened to visitor vehicle traffic in the Kīlauea District.
- On the Gravel portion of the Chain of Craters-Kalapana Road (along the coast (recommended for experienced bikers only).
- Kahuku from Highway 11 to the upper junction of the Palm Trail including the Palm Trail. Check with Kahuku staff for additional information.

- Crater Rim Drive section between Chain of Craters Intersection to Keanakāko'i Crater [See: Map H & I].

36 CFR §4.31 – HITCHHIKING

Hitchhiking is permitted in the following areas under the terms and conditions noted:

- Persons must stand off of roadway and not impede motor vehicle, bicycle or pedestrian movement.

- Persons will not solicit rides through intimidation, by approaching parked or stopped occupied vehicles, or by face to face solicitation of rides while in visitor parking lots.

- Law Enforcement Park Rangers may require hitchhikers to move, or to cease the activity, at any time such activity creates a public safety hazard or interferes with the orderly management of the Park. *[36 CFR 1.5 (a)(2)]).*

36 CFR PART VII. SPECIAL REGULATIONS, AREAS OF THE NATIONAL PARK SYSTEM

36 CFR 7.25- HAWAI'I VOLCANOES NATIONAL PARK

- Fishing

  (1) Commercial fishing from parklands (above the high waterline) other than as provided for below is prohibited.

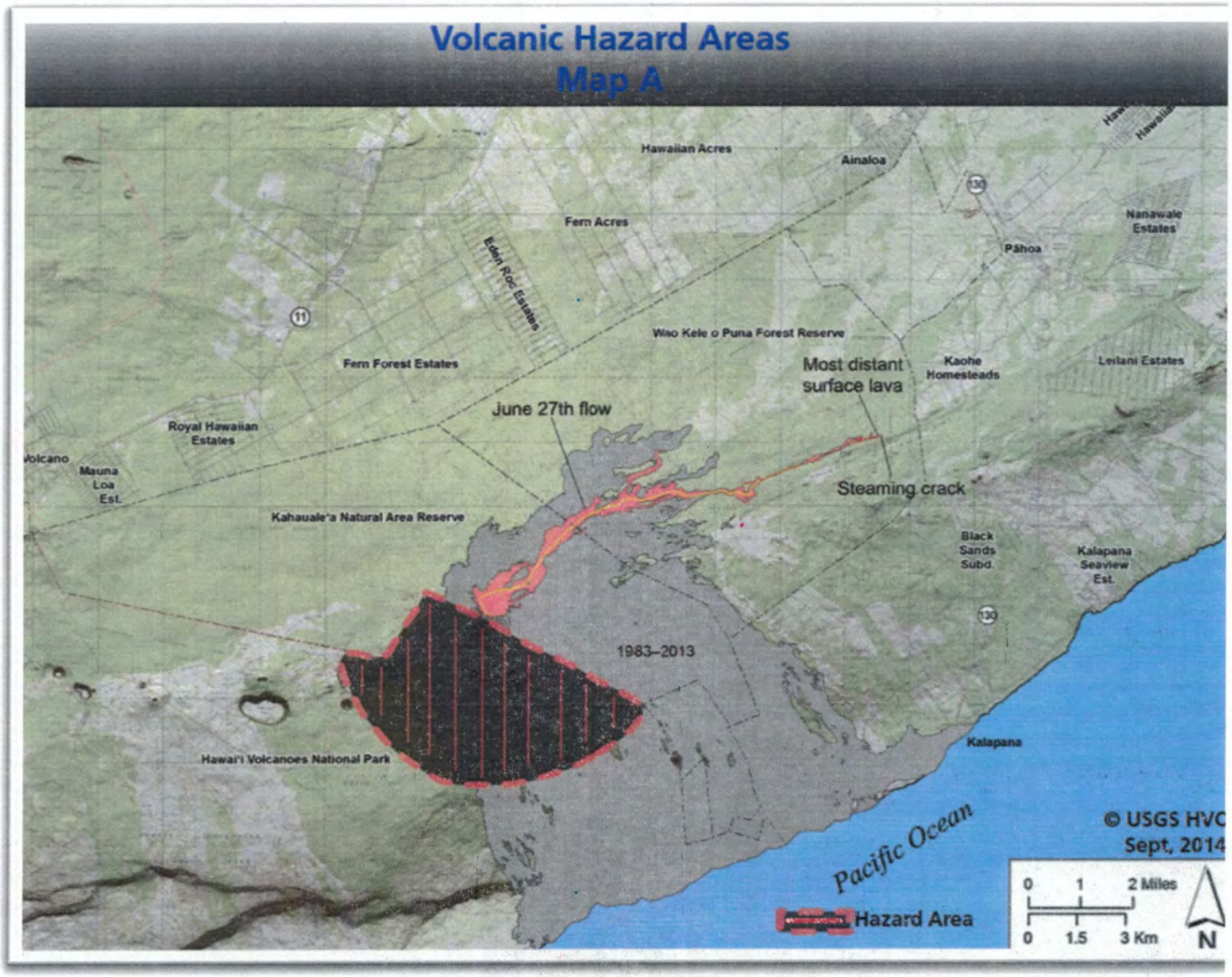
  (2) Nets, the use of nets in fishing from parklands (above the high waterline) except for throw nets, are prohibited.

  (3) Kalapana extension area; special fishing privileges. (i) Pursuant to the act of June 20, 1938 (52 Stat. 781; 16 U.S. C. 391b and 396a) Native Hawaiian residents of the villages adjacent to the Kalapana extension area added to the park by the above act and visitors under their guidance are granted the exclusive privileges of fishing or gathering seafood from parklands (above the high waterline) along the coastline of such extension area. These persons may engage in commercial fishing under proper State permit.(ii) For the purpose of this section. The term "native Hawaiian" means any descendent of not less than one-half part of the blood of the races inhabiting the Hawaiian Islands previous to 1778 (52 Stat. 784; 16 U.S.C. 396a).

  The adjacent villages have been designated as Ka̧pa'ahu, Kalapana, Kupahu'a, Mokuhulu, Kaimū, Kēōkea and Kīkala-Kēōkea.

The National Park Service's use of Closed Circuit Television (CCTV) for law enforcement and security purposes will only be to visually monitor public park areas, and public activities where no constitutionally protected reasonable expectation of privacy exists. Such CCTV use – which will have adequate privacy and First Amendment safeguards – will be to help ensure public safety and security; facilitate the detection, investigation, prevention and deterrence of terrorist attack and crime; help ensure the safety of citizens, employees and law enforcement officers; help assist in the proper allocation and deployment of law enforcement and public safety resources; help facilitate the protection of the innocent and the apprehension and prosecution of criminals. This policy does not restrict the official use of CCTV in government administrative areas including administrative buildings, jail holding facilities, revenue collection sites, etc., where the government may record/monitor its facilities. For example, the government may perform unrestricted video/audio recording at revenue collection points (entrance stations, visitor center counters, etc.). This policy does not restrict the use of an Audiovisuals Recording Device (AVRD) in patrol vehicles or officer worn devices used by commissioned rangers. That use is addressed in NPS Reference Manual #9, Section 26 (aka RM 9). Recording devices will be located in a secure area that only authorized employees will have access to. A log will be maintained either at the location of the recording device or through a CAD entry with park dispatch and will contain the name, time and date of the access.

MAP A


Volcanic Hazard Areas
Map A
Hawaiian Acres
Ainaloa
Fern Acres
Eden Roc Estates
Nanawale Estates
Pāhoa
Wao Kele o Puna Forest Reserve
Fern Forest Estates
Most distant surface lava
Kaohe Homesteads
Leilani Estates
June 27th flow
Royal Hawaiian Estates
Mauna Loa Est.
Steaming crack
Kahauale'a Natural Area Reserve
Black Sands Subd.
Kalapana Seaview Est.
1983–2013
Hawai'i Volcanoes National Park
Kalapana
Pacific Ocean
© USGS HVO
Sept, 2014
Hazard Area
0 1 2 Miles
0 1.5 3 Km
N

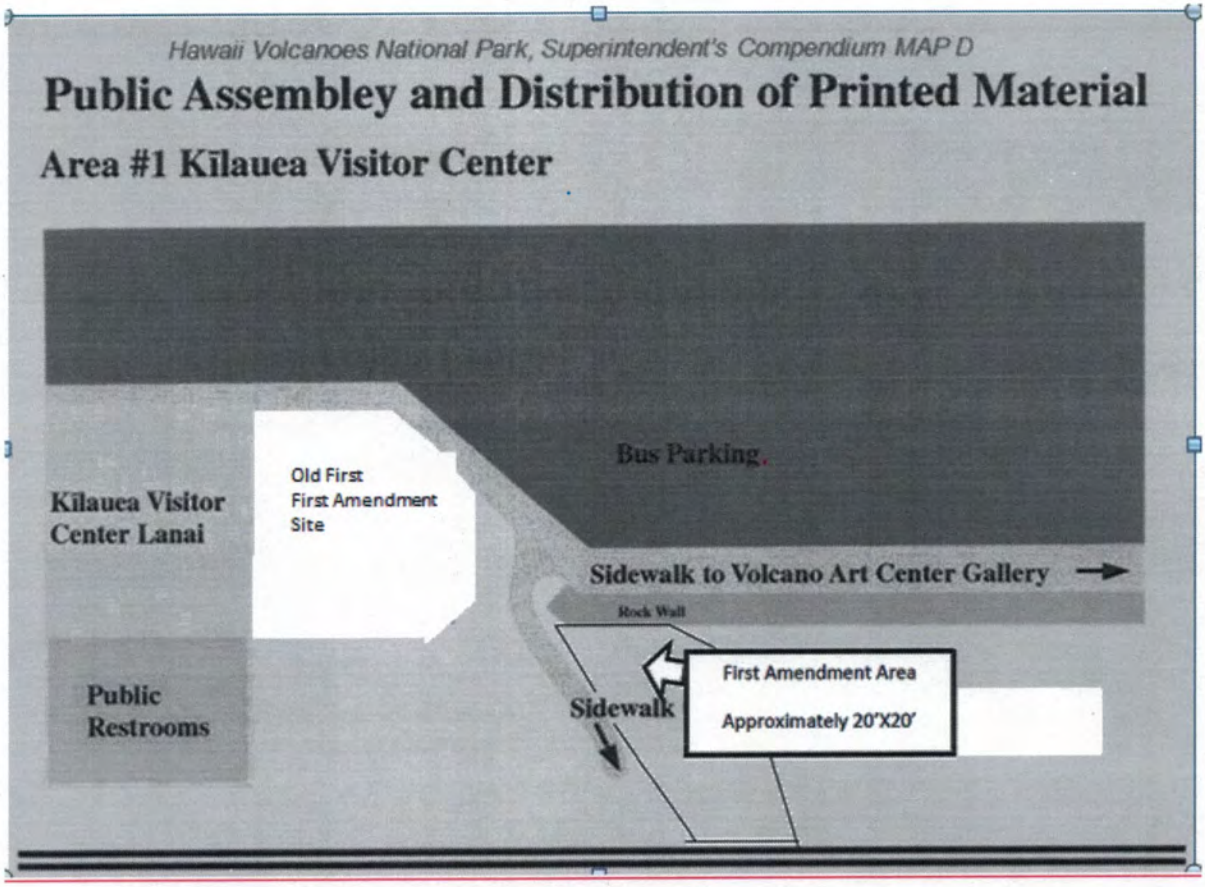
MAP B

MAP B
Ainahou House and Grounds-
Authorized Entry Only
Ainahou Access Road
Closed Area
Authorized Entry Only

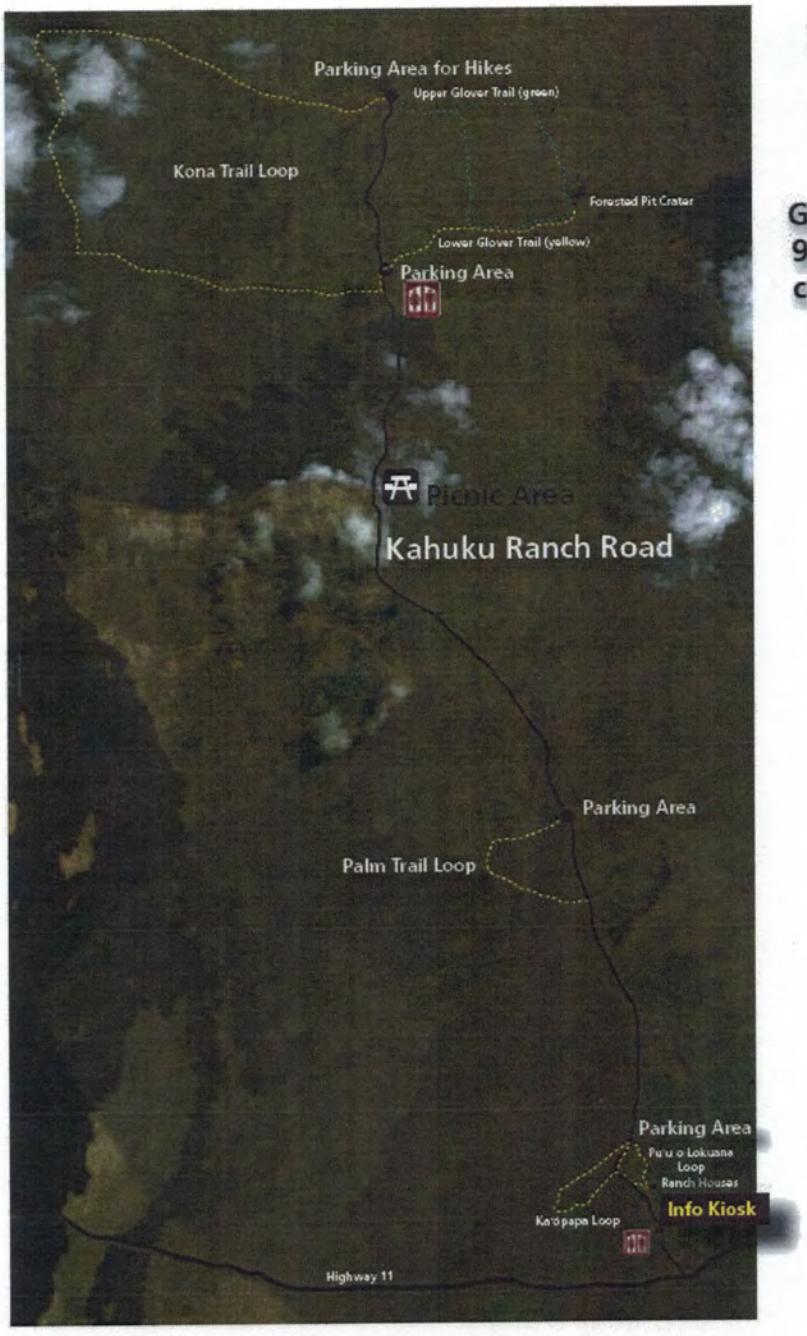
MAP C

MAP C
Turtle Habitat Area
Park Boundary
Kilauea Caldera
11
Pepeiao Cabin
Ka'aha Shelter
Halape Shelter
Keauhou Shelter
Apua Point
Turtle Habitat Area

MAP D


Hawaii Volcanoes National Park, Superintendent's Compendium MAP D
Public Assembley and Distribution of Printed Material
Area #1 Kīlauea Visitor Center
Bus Parking
Old First
First Amendment
Site
Kīlauea Visitor
Center Lanai
Sidewalk to Volcano Art Center Gallery
Rock Wall
First Amendment Area
Approximately 20'X20'
Sidewalk
Public
Restrooms

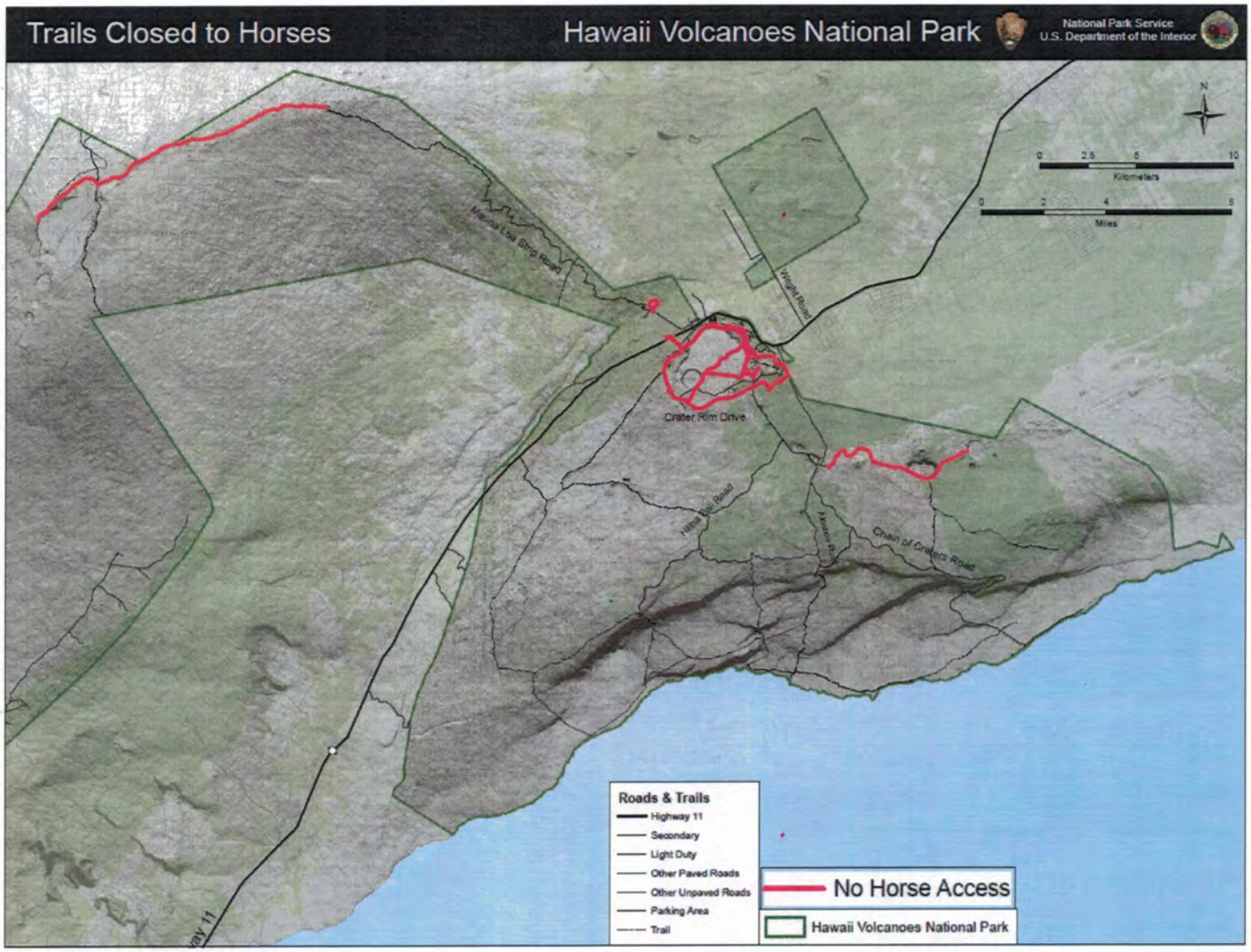
MAP E



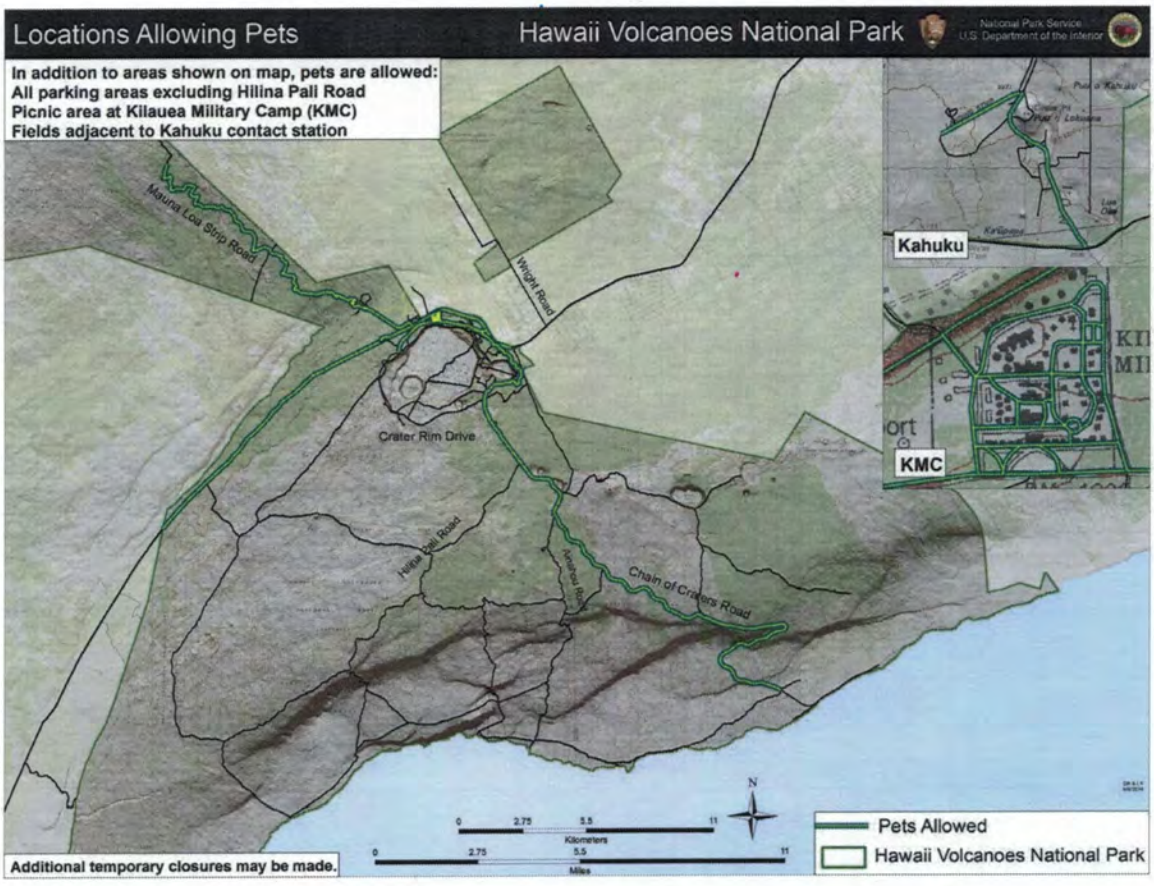
Kahuku Access Guide

Gate opens at 9:00 a.m. and closes at 3:00 p.m.

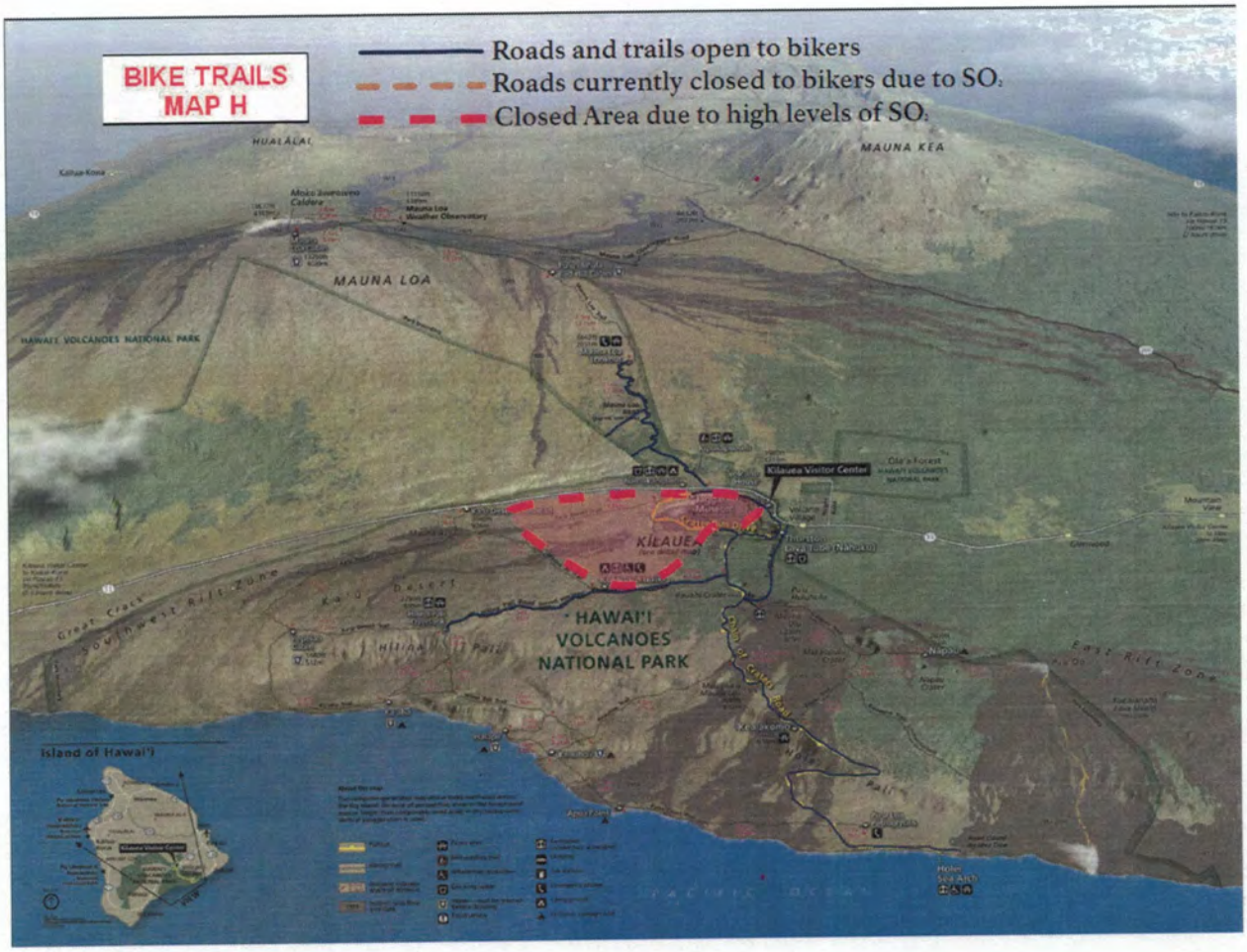
MAP F


Trails Closed to Horses
Hawaii Volcanoes National Park
National Park Service
U.S. Department of the Interior
N
0 2.5 5 10
Kilometers
0 2 4 8
Miles
Mauna Loa Strip Road
Wright Road
Crater Rim Drive
Hilina Pali Road
Chain of Craters Road
Roads & Trails
Highway 11
Secondary
Light Duty
Other Paved Roads
Other Unpaved Roads
Parking Area
Trail
No Horse Access
Hawaii Volcanoes National Park

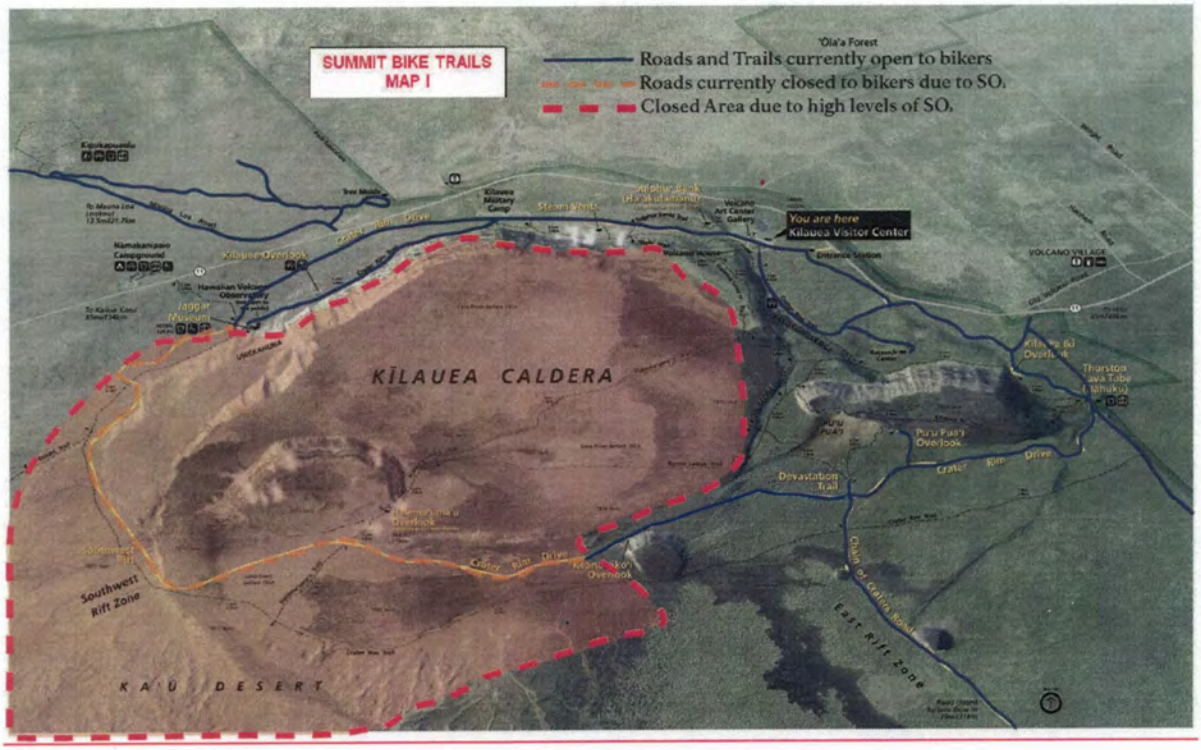
MAP G


Locations Allowing Pets
Hawaii Volcanoes National Park
National Park Service
U.S. Department of the Interior
In addition to areas shown on map, pets are allowed:
All parking areas excluding Hilina Pali Road
Picnic area at Kilauea Military Camp (KMC)
Fields adjacent to Kahuku contact station
Mauna Loa Strip Road
Wright Road
Crater Rim Drive
Hilina Pali Road
Kamoamoa Road
Chain of Craters Road
Kahuku
KMC
N
0 2.75 5.5 11
Kilometers
0 2.75 5.5 11
Miles
Pets Allowed
Hawaii Volcanoes National Park
Additional temporary closures may be made.

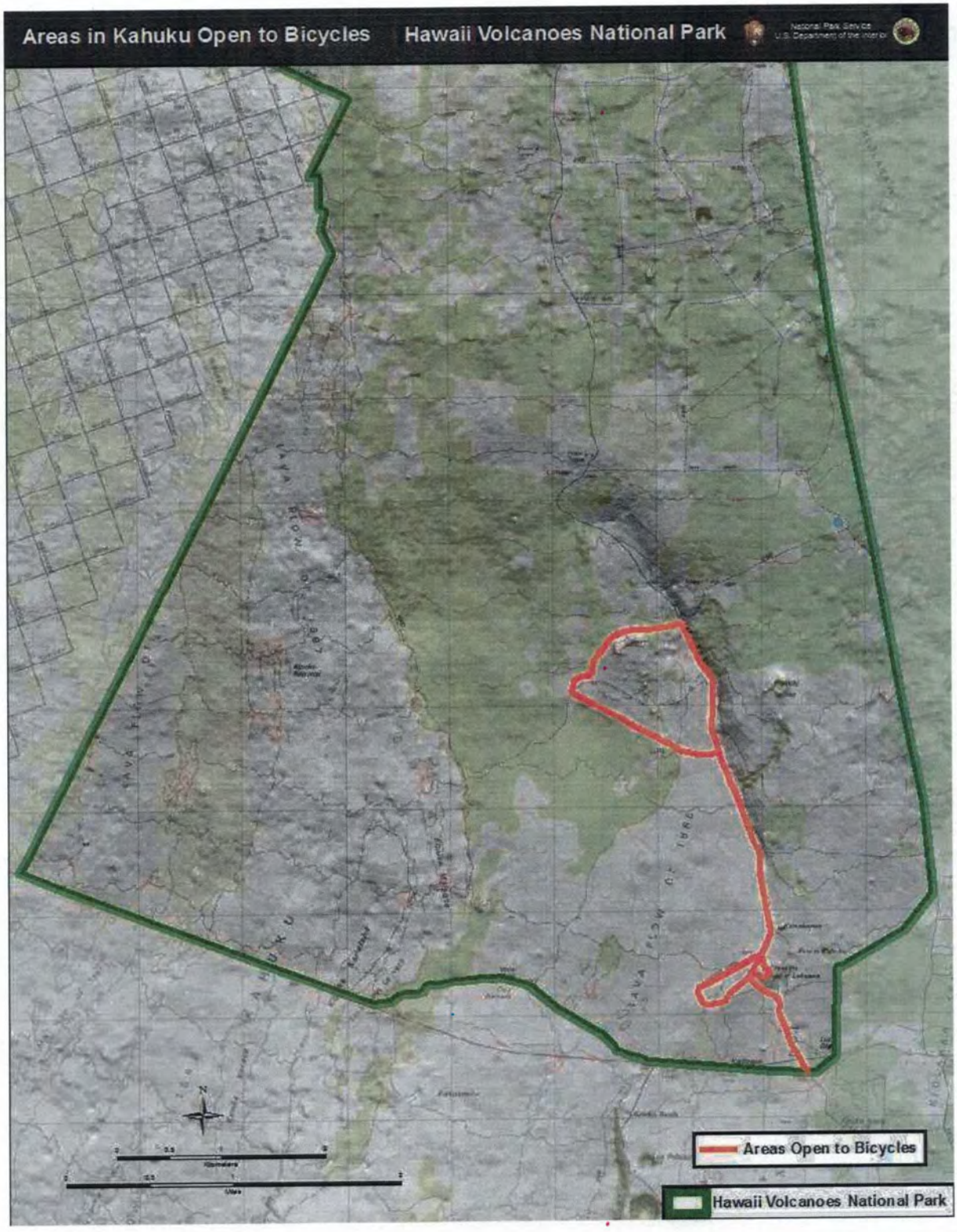
MAP H


BIKE TRAILS
MAP H
Roads and trails open to bikers
Roads currently closed to bikers due to SO2
Closed Area due to high levels of SO2
HUALĀLAI
MAUNA KEA
MAUNA LOA
HAWAI'I VOLCANOES NATIONAL PARK
Kilauea Visitor Center
KĪLAUEA
HAWAI'I VOLCANOES NATIONAL PARK
Great Crack
Southwest Rift Zone
East Rift Zone
Island of Hawai'i
PACIFIC OCEAN

MAP I (Summit Bike Trails)



MAP J (Kahuku Bike Trails)



Conditions for Research Permits to Access Closed Areas Due to Volcanic Activity (3/12)

Hawaii Volcanoes National Park will not authorize anyone with a research permit to enter a closed area due to volcanic hazards unless the information derived from the study will:

1) Directly contribute towards planning, mitigation, and better understanding of hazards within the park or surrounding communities

2) identify and prevent injuries from recognizable threats to the safety and health of persons

The National Park Service is instructed to "work closely with specialists at the USGS and elsewhere... to devise effective geologic hazard identification and management strategies." The information is used so that "park managers will understand future hazards and... minimize their potential impacts on visitors, staff and developed areas." (NPS Management Policies 2006)

Research that does not meet the above criteria or that can be delayed will be denied until such time when hazard conditions have been mitigated based on evaluation by agencies responsible for monitoring such conditions. In addition, the following conditions must be met for conducting field research:

Conditions:

1. Persons may only enter the restricted area with approval by the Superintendent and under conditions specified by the Chief Ranger and Park Safety Officer. The permittee and associated group members acknowledge that they are entering hazardous areas at their own risk and initiative. The U.S. government will not be held liable for any injury, damage, or death resulting from the trip into, stays within, or returns from, the areas allowed for Access under this permit. Only individuals identified on the research permit will be authorized to enter the restricted area.

2. Each group is expected to have a personal operational S02 monitor and appropriate respirators associated with expected levels of S02. Participation in a respiratory safety program comparable to or exceeding NPS and USGS standards is required for use with respirators.

3. Real-time communication with NPS or HVO is required. A primary and back-up system utilizing radios, cell phones or sat. phones must be operational before entering restricted areas.

4. Pre scheduled situation status reports will be conducted and immediate notification upon exiting the restricted area shall be performed with the appropriate agency (NPS or USGS)). For USGS and Pis that required escort by USGS, USGS HVO will contact PACC via phone to report staff entering Kilauea Caldera Closed Area; they will report number of persons and vehicles. More specific Information is listed into the HVO log.

5. In restricted areas with elevated S02 concentrations the following safety protocols must be followed for individuals with permits for this area. During fieldwork, each group will wear a minimum of 1 personal S02 monitor that allows them to measure S02 levels on-site. If the S02 levels exceed your respirator filter ratings you must leave the area immediately.

6. The NPS will not authorize anyone to enter zones with ballistic hazard unless sanctioned by USGS-HVO.

7. A list of people, vehicles and an itinerary with an expected time of return for every trip into restricted areas must be provided to the appropriate supporting agency (NPS or USGS).

8. Each permit shall be reviewed for impact to park resource