



U.S. ARMY®



Local Hazards in Hawaii

US Army Garrison Hawaii

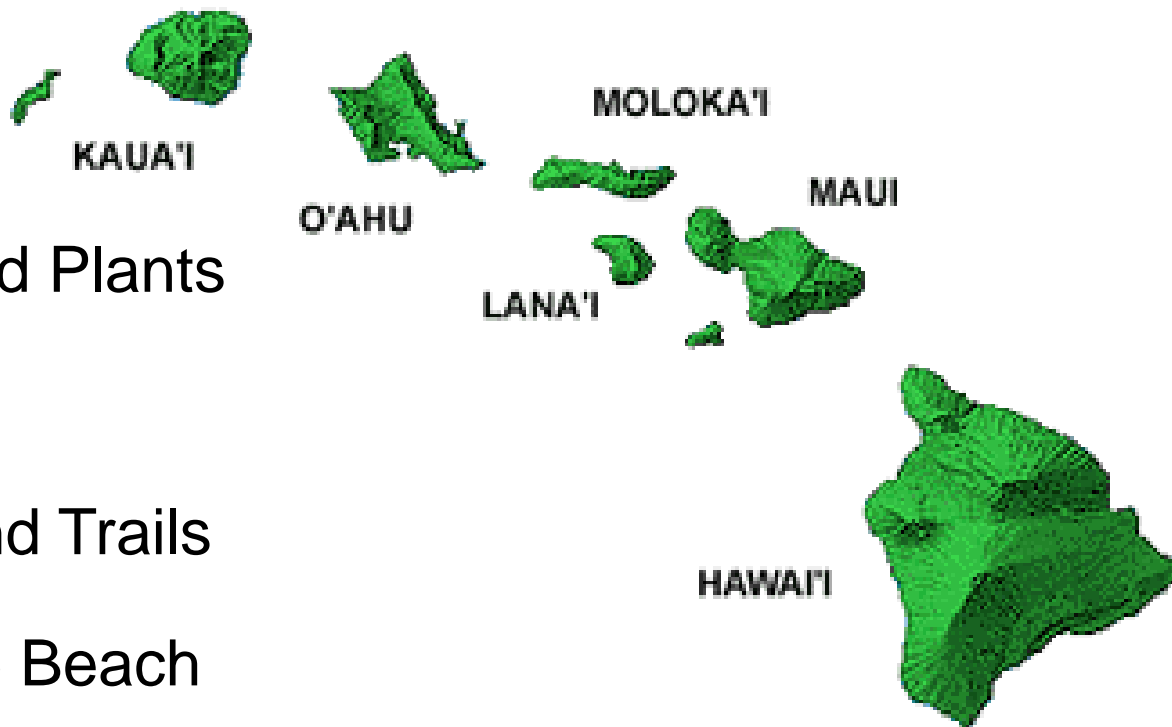
Garrison Safety Office

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Topics

- Wildlife, Insects and Plants
- Weather Effects
- Streams, Ponds and Trails
- Ocean Life and the Beach
- Safe Travel Map
- Traffic
- Summary





USAG-HI Local Hazards in Hawaii

Wildlife, Insects and Plants

Centipede (Most aggressive insect)

- Arthropods carry quite a punch (stung/bitten)
- Check your shoes and don't leave clothes on the floor



Mosquitoes (Most common insect)

- Use mosquito/insect repellent when possible (fightthebitehawaii.com)
- Remove standing water, fix leaks and clean up debris

Coqui Tree Frog (Most annoying – found on the Big Island)

- No natural predators (no snakes)
- If you see any on Oahu call pest hotline 643-PEST (7378)



- Coqui's are only 1 inch long, but they are very loud:
<https://www.youtube.com/watch?v=LZUOiZG84c0>





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Wildlife, Insects and Plants con't

Wild Boars/Feral Pigs (Most common large animal)

- Introduced over 800 years ago; can grow up to 200lbs
- Usually travels with others (*young* - Drift, Drove or Litter) (*older* – Sounder of swine, Team or Passel)
- Females will charge and attack, if piglets are threatened



Plants

- NO plants or fruits should be eaten unless you are absolutely sure it is safe!





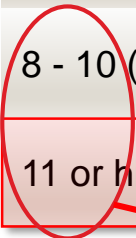
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Sun and Atmospheric Effects



The Sun

UV Index Number	Exposure Level	Actions to Take
3 - 5 (<45 mins skin damage)	Moderate	Apply SPF 15-30 sunscreen; wear a hat
6, 7 (<30 mins)	High	Apply SPF 30 sunscreen; wear a hat
8 - 10 (<15 mins)	Very High	Apply SPF 30+ sunscreen; wear a hat and sunglasses
11 or higher (<10 mins)	Extreme	Apply SPF 30+ sunscreen; wear a hat, sunglasses, and protective clothing, limit exposure time



- The average UV index in Hawaii is (9), with highs of (14)
- Apply sunblock 15 mins before going outdoors and reapply every 2 hours and after swimming or sweating



Vog (south winds)

- Mixture of sulfur dioxide gas (Kilauea), water vapor, carbon dioxide and dust
- People with asthma and respiratory troubles will be affected the most
- Refrain from heavy outdoor physical activity



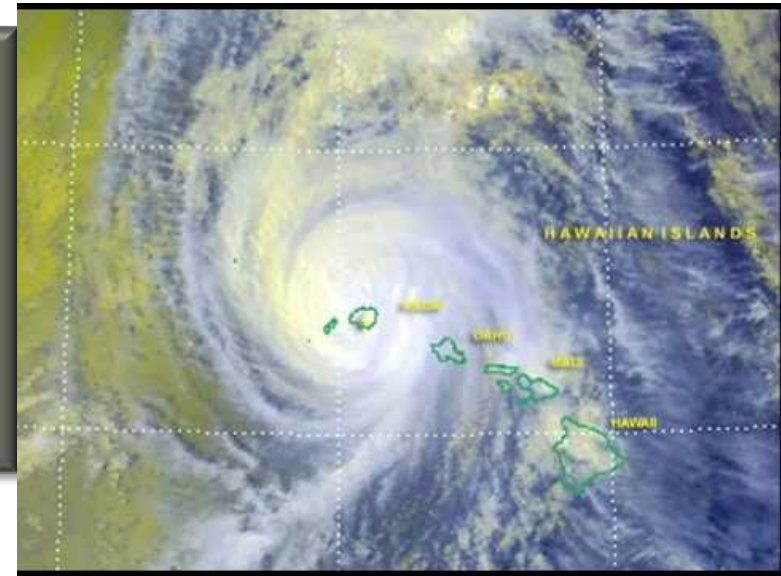


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Storm and Ocean Effects

Storms

- Tropical storms and hurricanes are common in the Pacific
 - Hurricane season (1 JUN to 30 NOV) annually
- Last hurricane to hit Hawaii was a category 4, hurricane Iniki 11 SEP 1992
- Hurricane preparedness: Ready.Gov or Hawaii Emergency Management Agency



Tsunami

- Last tsunami warning was after the devastating Japan earthquake MAR 2011
- Most devastating tsunami occurred in 1946 killing 173 people
- Tsunami preparedness: Pacific Tsunami Warning Center, Hawaii News Now, Red Cross





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Emergency Preparedness

Preparedness

- 1 gallon of water per person (2 qt. drinking, 2 qt. food prep/sanitation) - 3 day supply
- Store at least a 3 day supply of nonperishable food (don't forget the baby)
 - Use perishable foods in refrigerator and freezer first
 - Store extra ice for coolers, freeze water in plastic containers
 - Store extra milk/formula for infants
- Have an updated First Aid Kit for your home and one for each car
 - Add non-prescription drugs: Aspirin/pain reliever, Anti-diarrhea/laxative or Antacids
- Tools and Supplies
 - Basic tools, hammer, pliers, wrench, screw drivers, nonelectric can opener, etc.
 - Radio and flashlights with extra batteries
 - Utensils, paper goods, matches and fire extinguisher
 - Tape, plastic sheeting, plastic storage containers, writing materials
 - Personal hygiene kits for males/female and/or infants (diapers, wipes and meds)
- Safeguard important documents/ valuables, keep them dry and in an air tight bag if possible

NOTE: Most shelters in Hawaii are not equipped to provide meals, beds, or emergency care. You must bring food, clothing, bedding, and special items with you.





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Streams, Ponds and Trails

Streams and Ponds

- Pay attention to the flow of the stream and be aware of the weather inland
- Flow rates and heights can change very quickly, flash flooding is regular in some places
- One good down pour, even far inland from where you are can cause flash floods
- Dangerous rip currents can form in the ocean at the mouth of a stream
- DO NOT drink the water and don't swim if you have any open wounds





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Streams, Ponds and Trails con't

Trails (the 3 ills)

People are either:

- ill-prepared –
 - Not physically fit for the effort required
 - Overestimate their abilities (it's not just walking)
 - Underestimate the difficulty of the trail
- ill-equipped –
 - Don't take enough water
 - Have bad foot gear with no grip
 - Don't have simple things like:
 - Rain gear, flashlights, or any kind of rescue or first aid equipment
 - Phone or radio
- ill-informed –
 - Don't know enough about the trail
 - Have no idea of the length or the time required
 - Don't have a map or a GPS
 - Get a late start and then are surprised when it gets dark



Pu'u Manamana



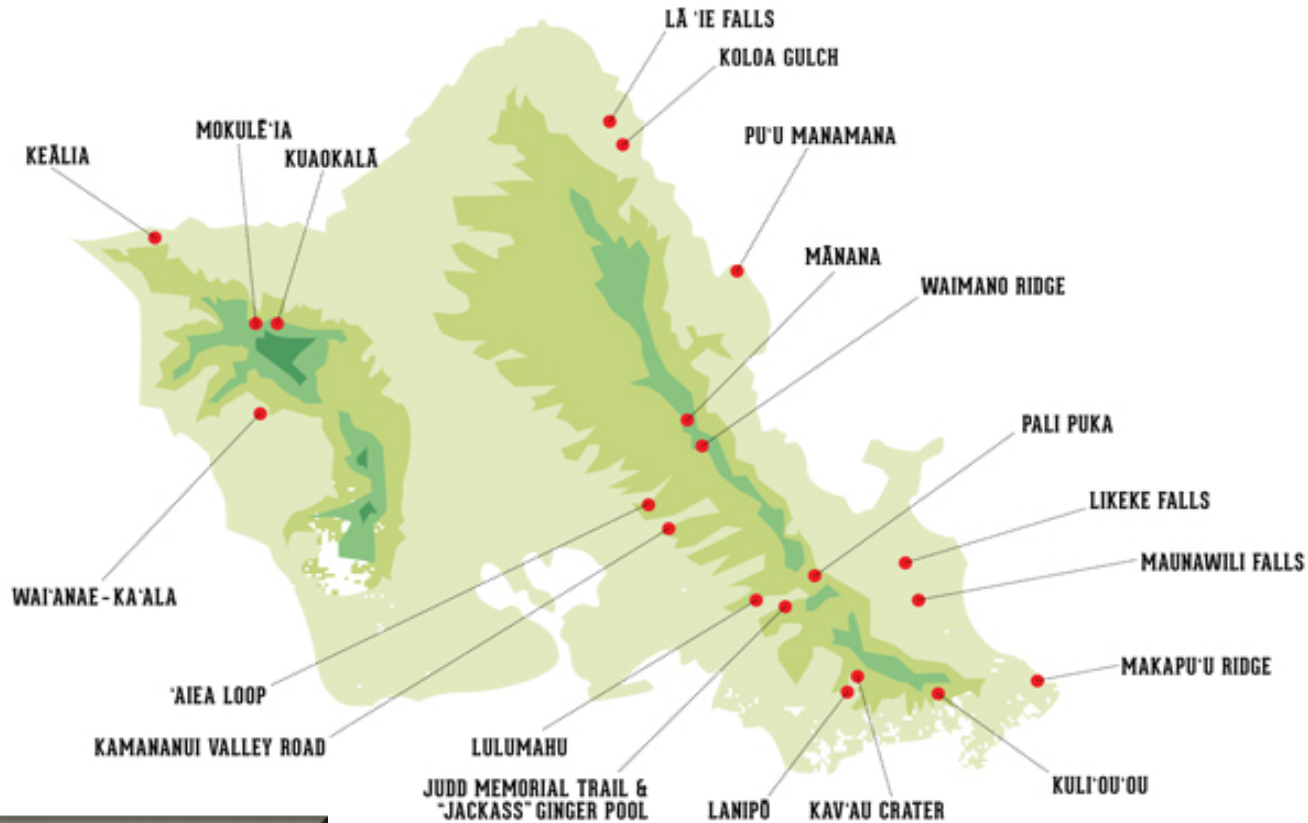


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Streams, Ponds and Trails con't

Trails (Common trails/hikes)

- If there are signs that state (Closed or NO Trespassing), DO NOT ENTER!



For more information
<https://hawaii Trails.hawaii.gov/>





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Streams, Ponds and Trails con't

Trail Closure:

- The “Haiku Stairs” (*a.k.a. Stairway to Heaven*) is **off-limits** per the State and U.S. Army Hawaii

Temporary Closure (until further notice):

- The Aihualama Trail
- The Manoa Falls Trail
- Kolowalu Trail (Manoa)

Trails on Private Lands:

- Do not trespass on private property.
- Kolekole Trail on Schofield Barracks is open on select dates
- Schofield-Waikane Trail on East Range is accessible with a letter of permission

For more information about trails on Army installations:
<https://home.army.mil/hawaii/index.php/my-fort/recreation/hiking>



For more state trail information:
<https://hawaiitrails.hawaii.gov/>





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Ocean Life and the Beach

Know Before You Go!

- There are 33 beaches on Oahu alone, 29 beaches have C&C Lifeguards
- Use current weather, surf, public safety alerts (apps) for ocean conditions
- Be aware of who's watching you and don't leave valuables in the car

Swimming

- Be aware of where the reef is
- Drink lots of water to prevent cramping
- Take breaks (reapply sun screen)



For more information:

<http://www.honolulu.gov/esdosls.html>



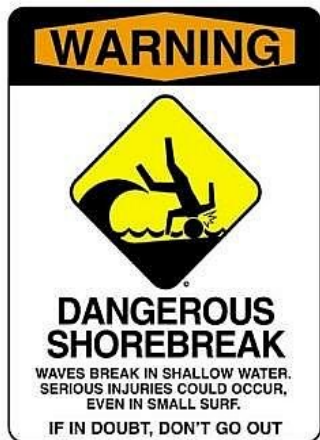
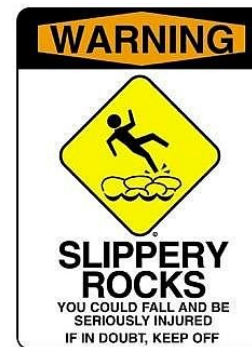
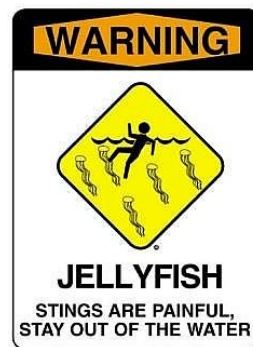
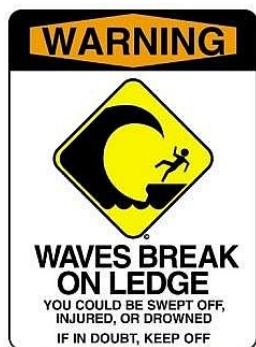


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Ocean Life and the Beach

If in Doubt, DON'T go out!

- Ocean WARNING signs



← Most common WARNING signs →





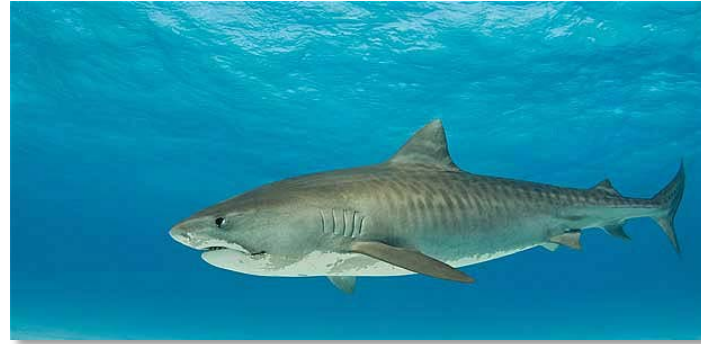
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Ocean Life and the Beach con't

Dangerous Marine Life

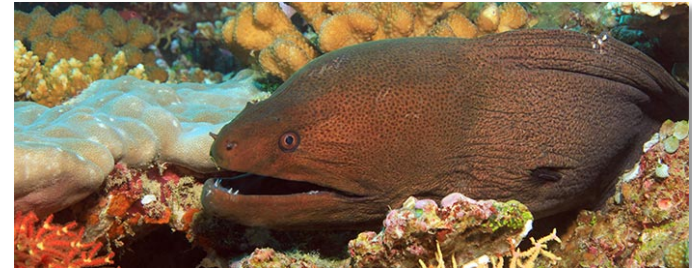
Sharks (Tiger Shark)

- Don't go in the water if you are bleeding
- Don't swim alone
- Don't swim during hours of darkness



Eels (Moray eel)

- Avoid putting your hands/feet in holes on the reef
- Don't feed them under any circumstances



Coral (every beach)

- Sharp edges which can cause abrasions, irritation, torn skin and possibly infections
- Stay away from coral, use proper foot protection



For more information

<http://www.honolulu.gov/esdosls.html>





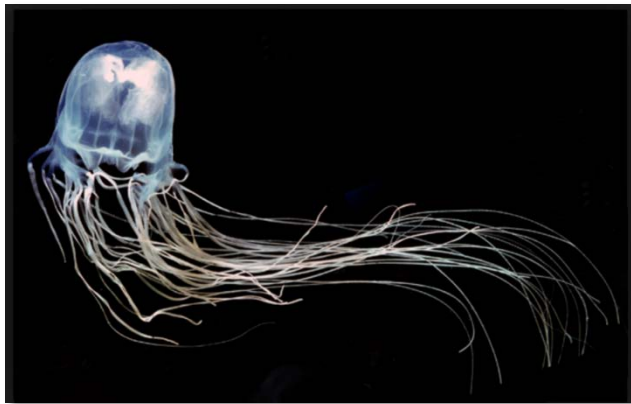
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Ocean Life and the Beach con't

Dangerous Marine Life

Portuguese Man-of-War

- Long blue tentacles that will sting forcefully and painfully
- They follow the wind and their patterns are predictable



Box Jellyfish

- Have lots of stinging tentacles
- They are almost see through making it difficult to spot in the water



Sea Urchins (wana)

- Again, keep your hands and feet out of holes on the reef
- Use protective foot wear in the shallow waters

For more information

<http://www.honolulu.gov/esdosls.html>





USAG-HI Local Hazards in Hawaii

Traffic

For more information
<http://www.goakamai.org>

Oahu, Hawaii
"The Aloha Isle"

RED Areas — **H1 Freeway**

- Heavy traffic M-F (0530-0830) (1530-1830)
- Give yourself extra time
- Road construction
- Be prepared for sudden stops
- Drive with **Aloha**
 - ✓ and No Speeding!

BLUE Areas — **KAM Hwy**

- Two lane roads
- Car clubs are on the roads (weekends)
- People stop to take pictures
- People crossing the street to get to the beach





USAG-HI Local Hazards in Hawaii

Traffic

For more information
<http://www.goakamai.org>

Motorcycle PPE Checklist



For Motorcycle PPE and other operator requirements refer to:

United States Army Hawaii

Policy Letter #29 - Motorcycle Safety

Visit: <https://home.army.mil/hawaii/index.php/about/command-pubs>





USAG-HI Local Hazards in Hawaii

Enjoy Your Stay

- Leave the wildlife and plants alone
- Protect yourself from the weather
- Flash flooding and the 3 ill's
- Know before you go!
- Drive with **Aloha**
✓ and No Speeding!

