



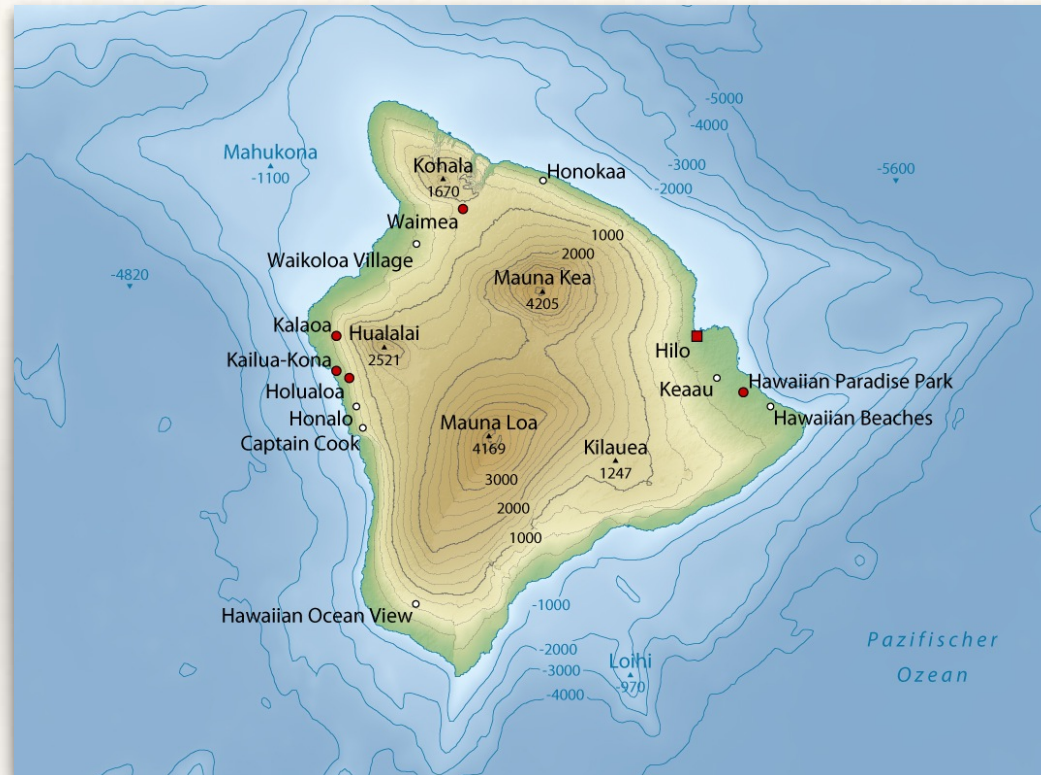
RAINFALL
PATTERNS



Hawaii



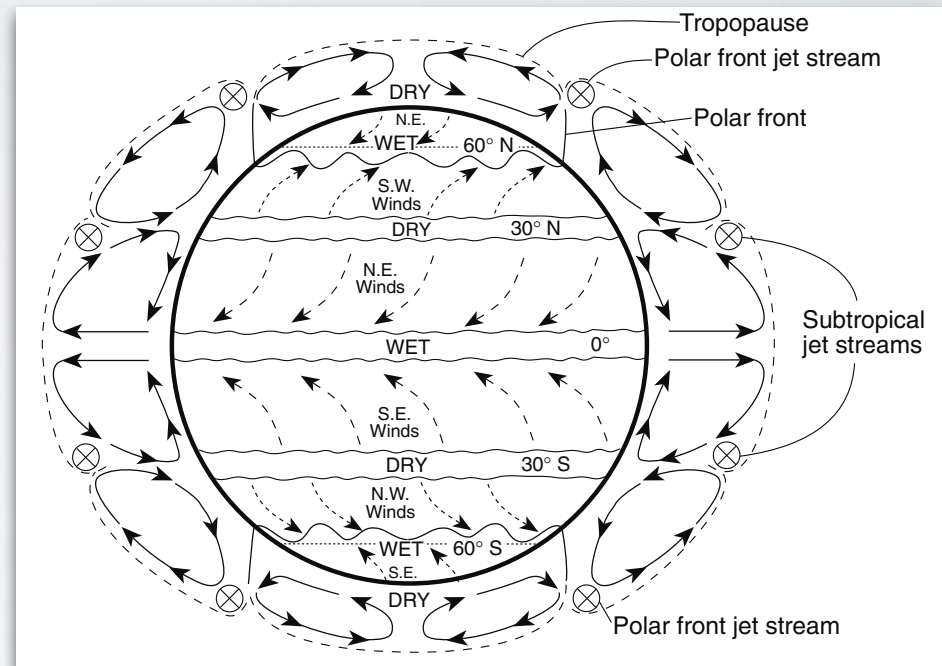
The Hawaiian Islands

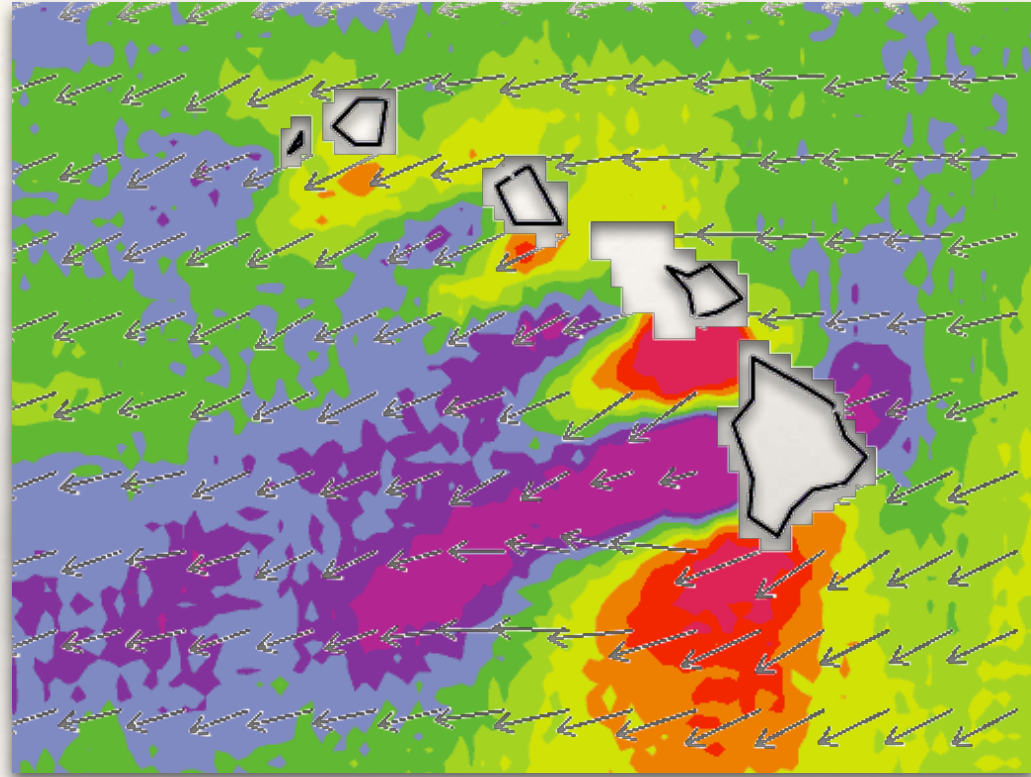


Topography of Hawaii

CLIMATE VARIABLES

- The big island is located between 0° and 30° N with the prevailing winds from the Northeast





Prevailing Winds of Hawaii

CLIMATE VARIABLES

- Mountains that intersect prevailing winds can modify climate patterns



CLIMATE VARIABLES

- Windward - the side the wind strikes first



CLIMATE VARIABLES

- Windward
 - Air rises
 - Air expands and cools
 - Air condenses and rains
 - Lots of vegetation
 - Plenty of rain



CLIMATE VARIABLES

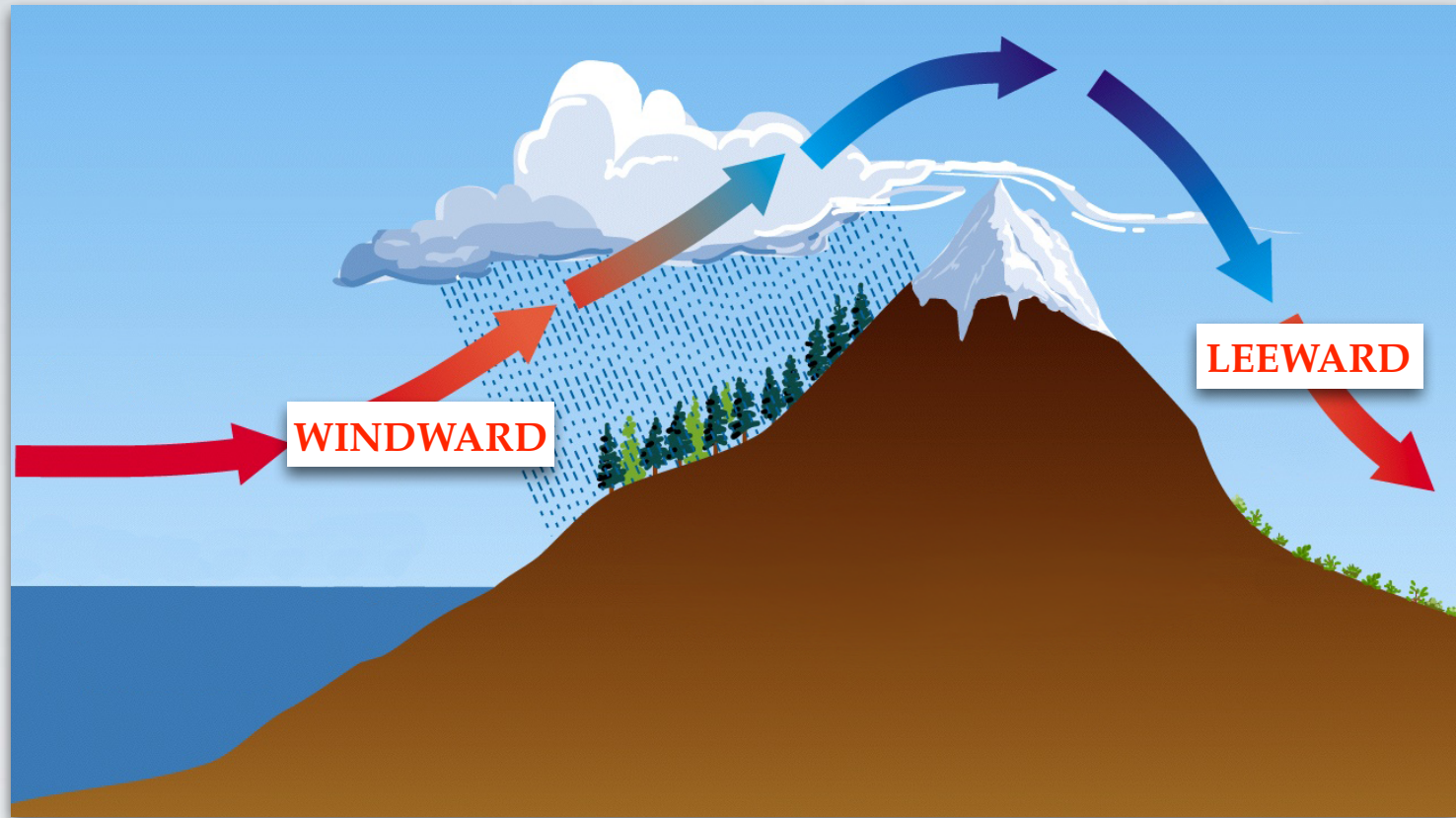
- Leeward - the side of the mountain that is sheltered from the wind



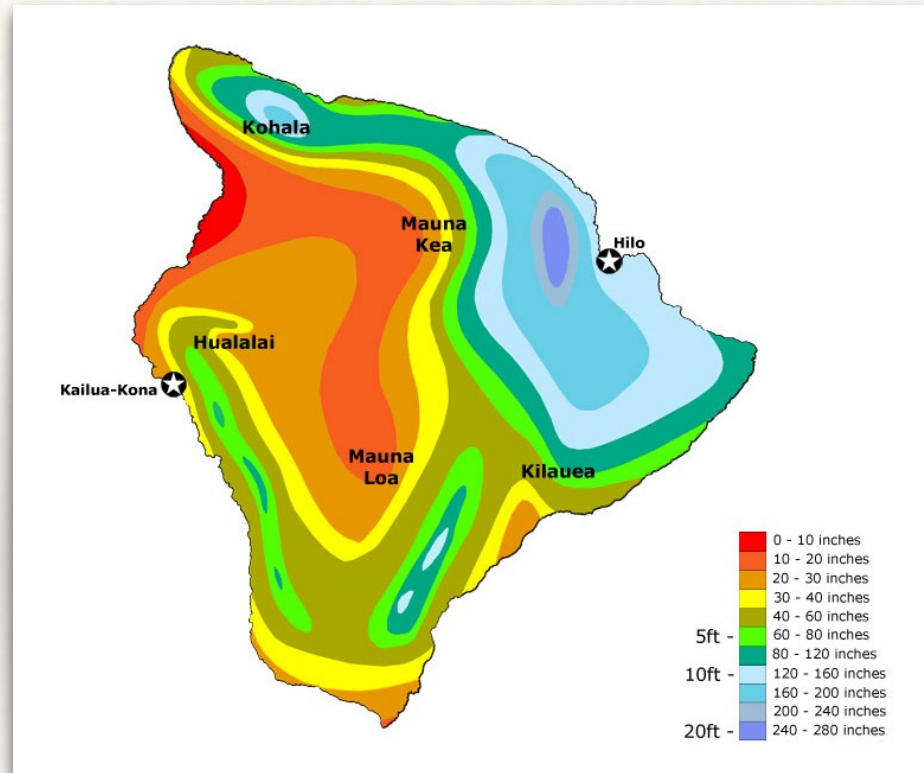
CLIMATE VARIABLES

- Leeward
 - Air sinks
 - Air contracts
 - Air warms
 - Minimal rain
 - Minimal vegetation





R.E.C.C.



Isohyet Map of Hawaii