The background of the slide features a photograph of a mountainous landscape. In the foreground, there's a field of green grass. The middle ground shows a valley with more greenery. In the background, the majestic Sierra Nevada mountain range is visible, its peaks reaching towards a clear, light blue sky.

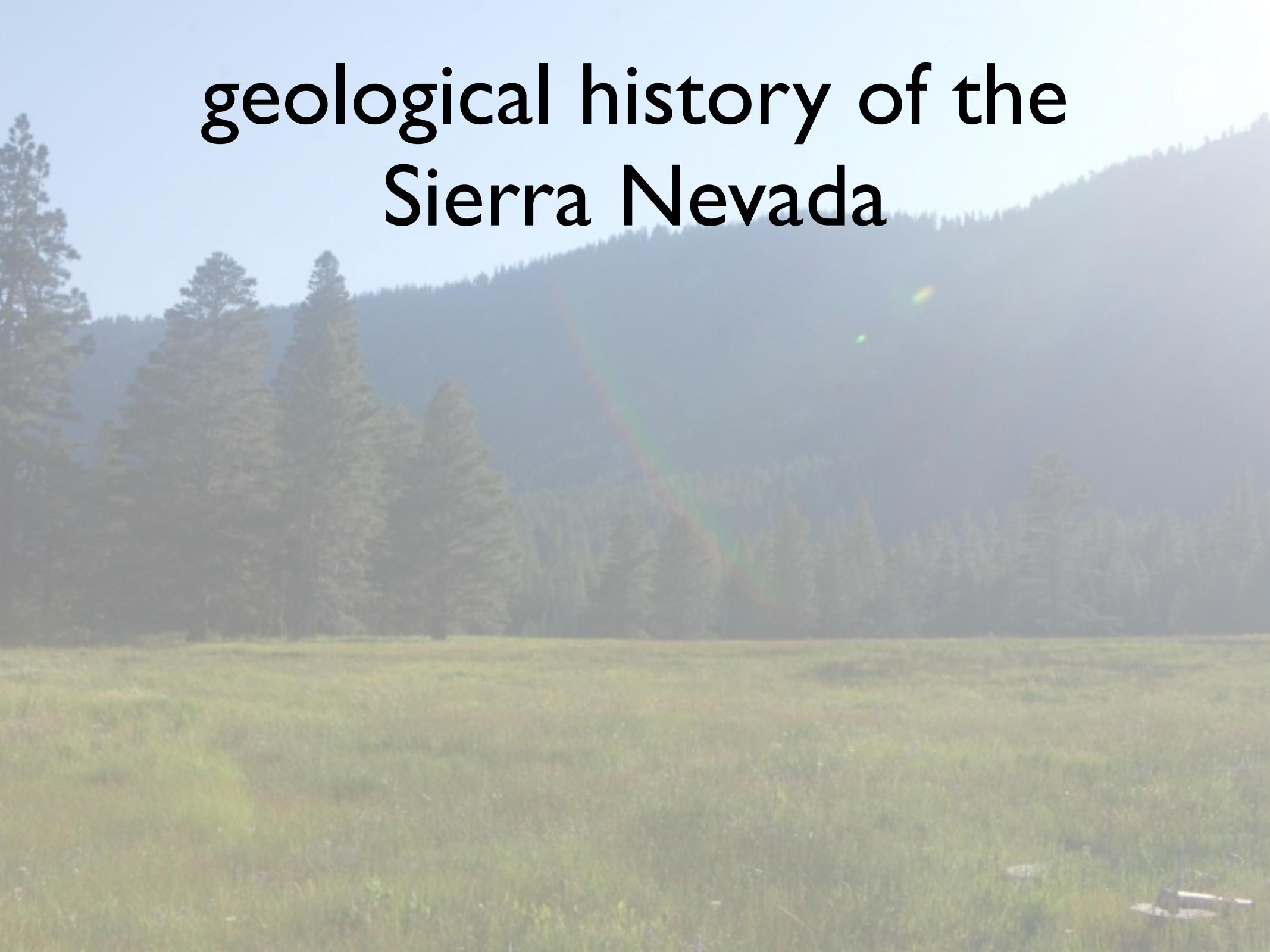
the Sierra Nevada and George Whittell Wildlife and Recreation Area

chris moore and jake dittel
biol322: experimental field ecology
22 may 2013

western North America



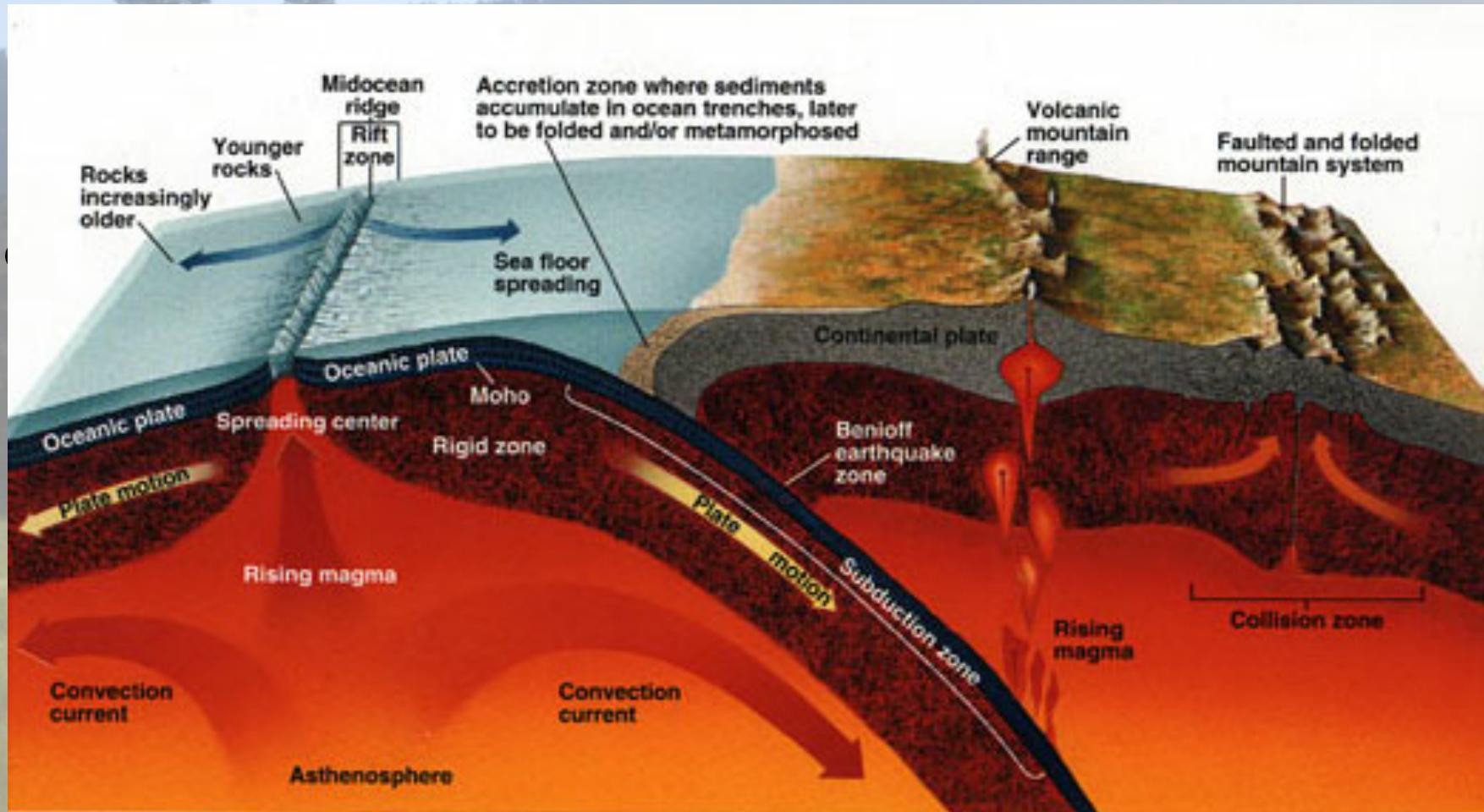
geological history of the Sierra Nevada



geological history of the Sierra Nevada

- batholith formed 250 to 65 MYA from subduction

geological history of the Sierra Nevada



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- batholith formed 250 to 65 MYA from subduction
- uplift 80 MYA

geological history of the Sierra Nevada

- batholith formed 250 to 65 MYA from subduction
- uplift 80 MYA
- Sierra Nevada were still hills 4 MYA!!!

climate of the Sierra Nevada

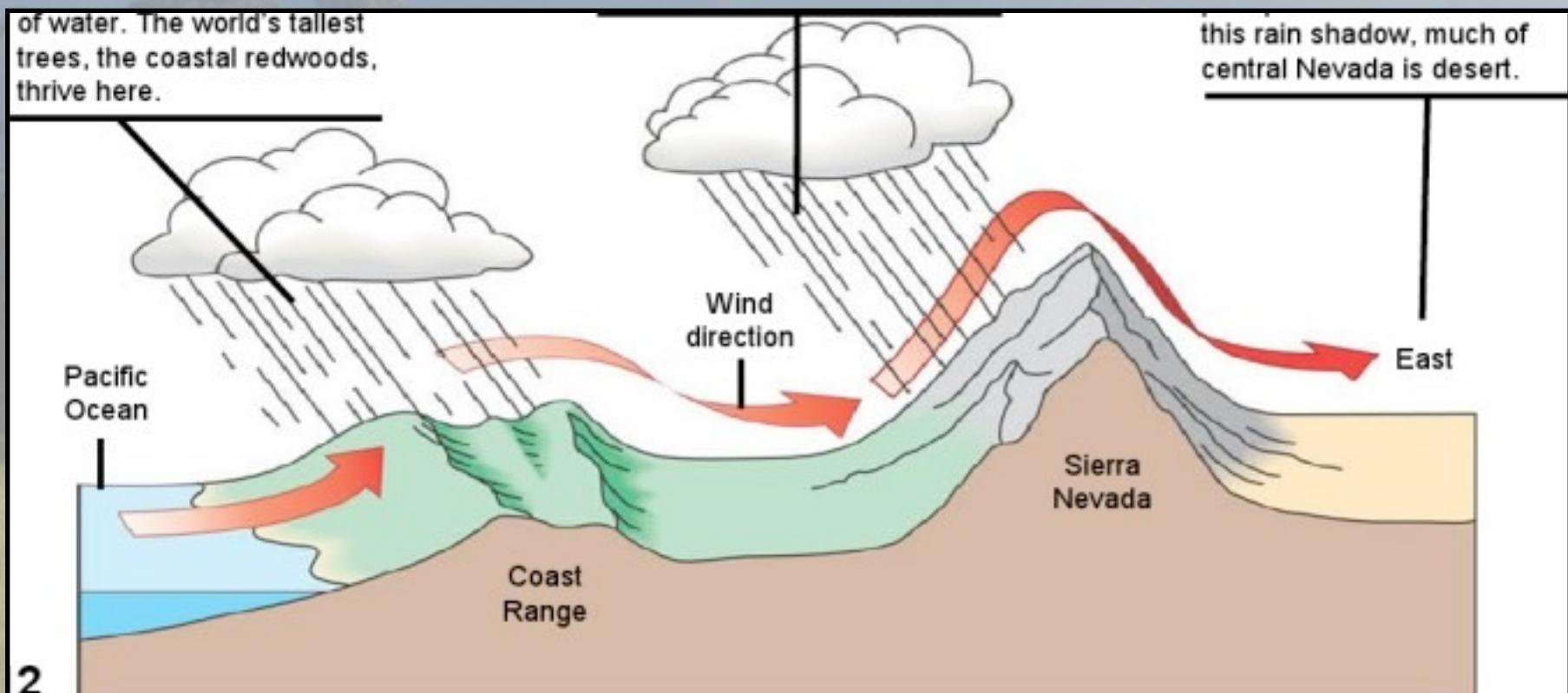
- elevation strongly affects climate!



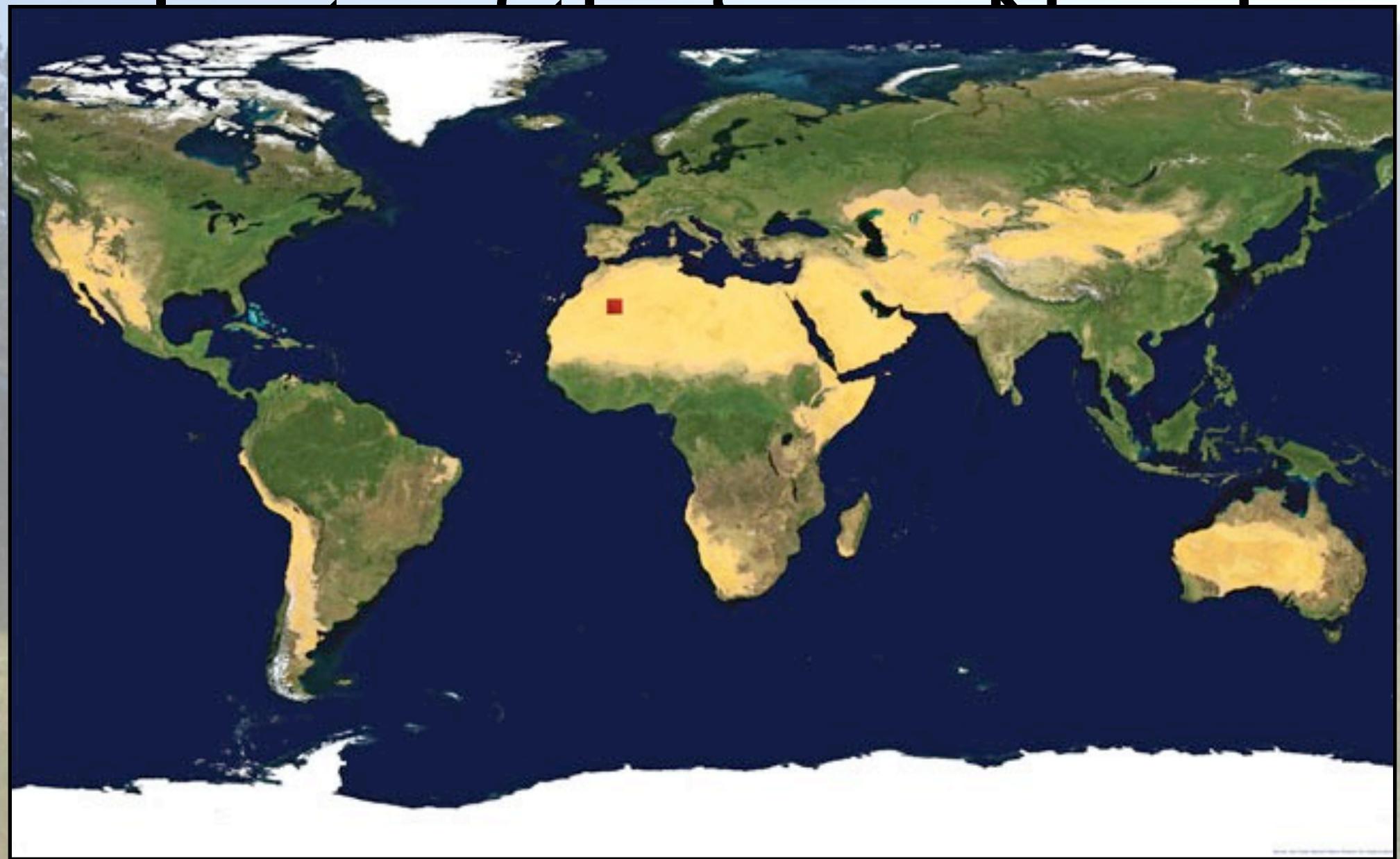
climate of the Sierra Nevada

- elevation strongly affects climate!
 - temperature and water relations
 - $1^{\circ}\text{C} / 100\text{m}$
 - rainshadow

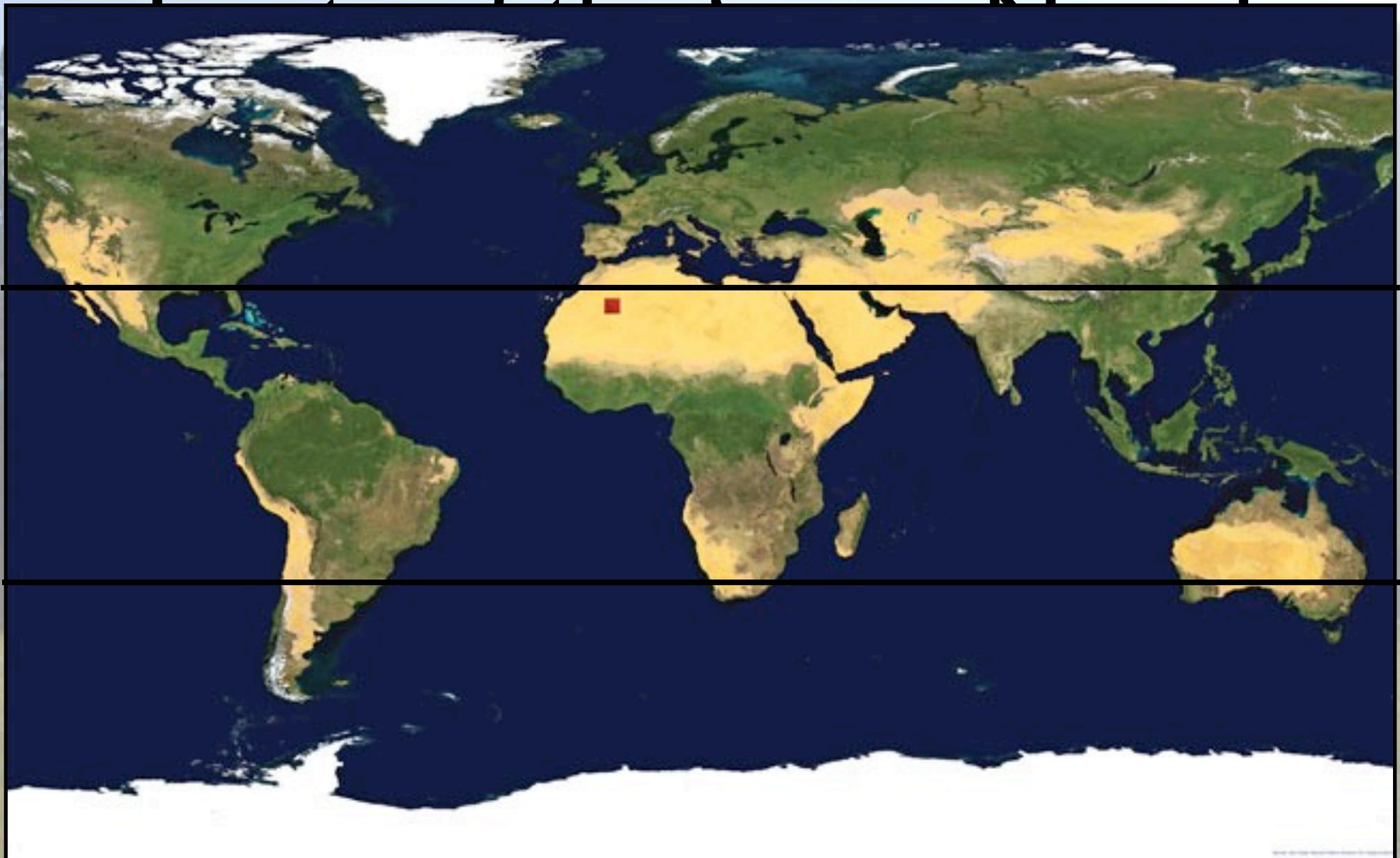
climate of the Sierra Nevada



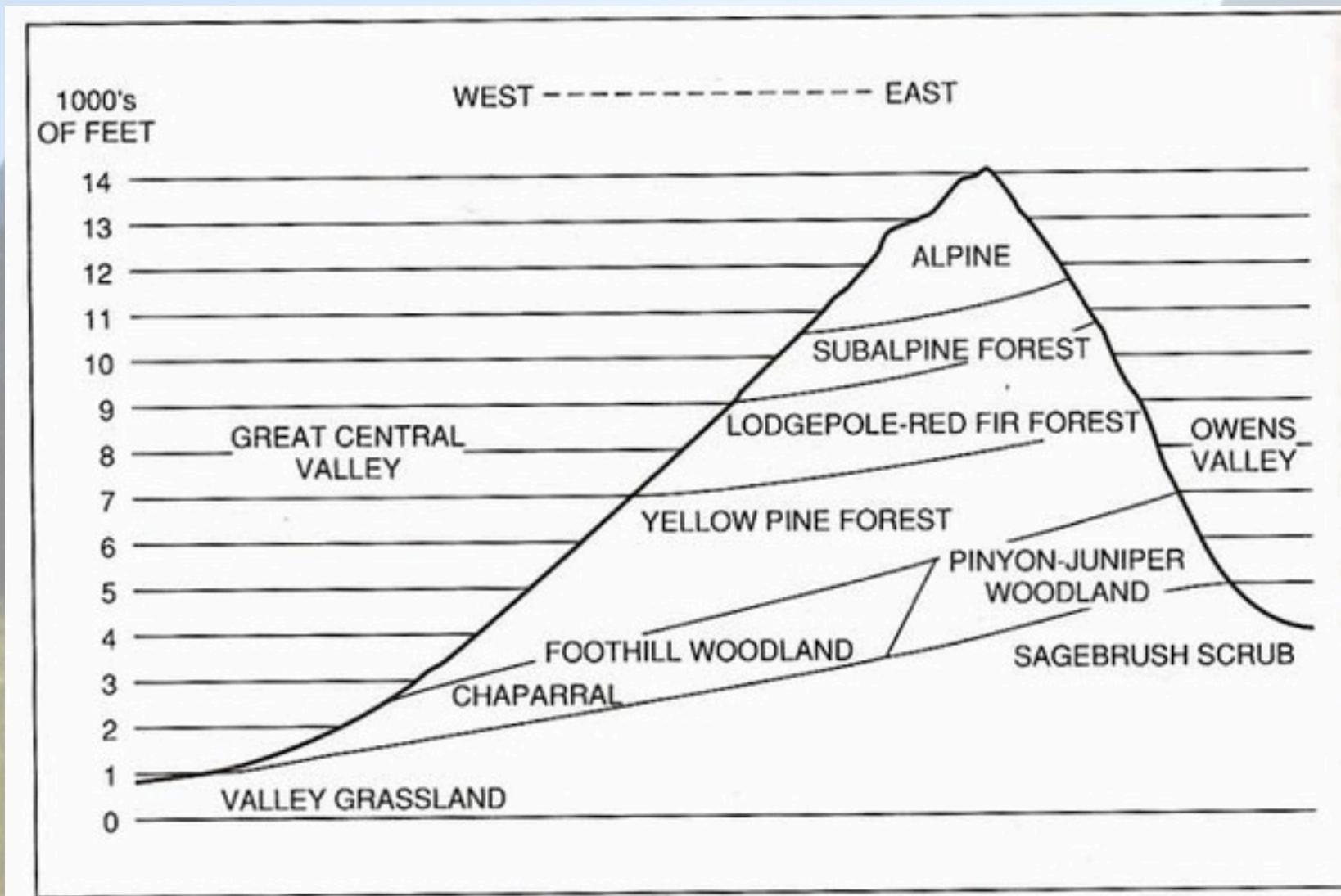
• Salinity



• • • • • • • • • • •



climate of the Sierra Nevada



Schoenherr, A.A. 1992. A natural history of California.
UC Press, L.A., California, US

human history

- present in Sierra for 10,000 years

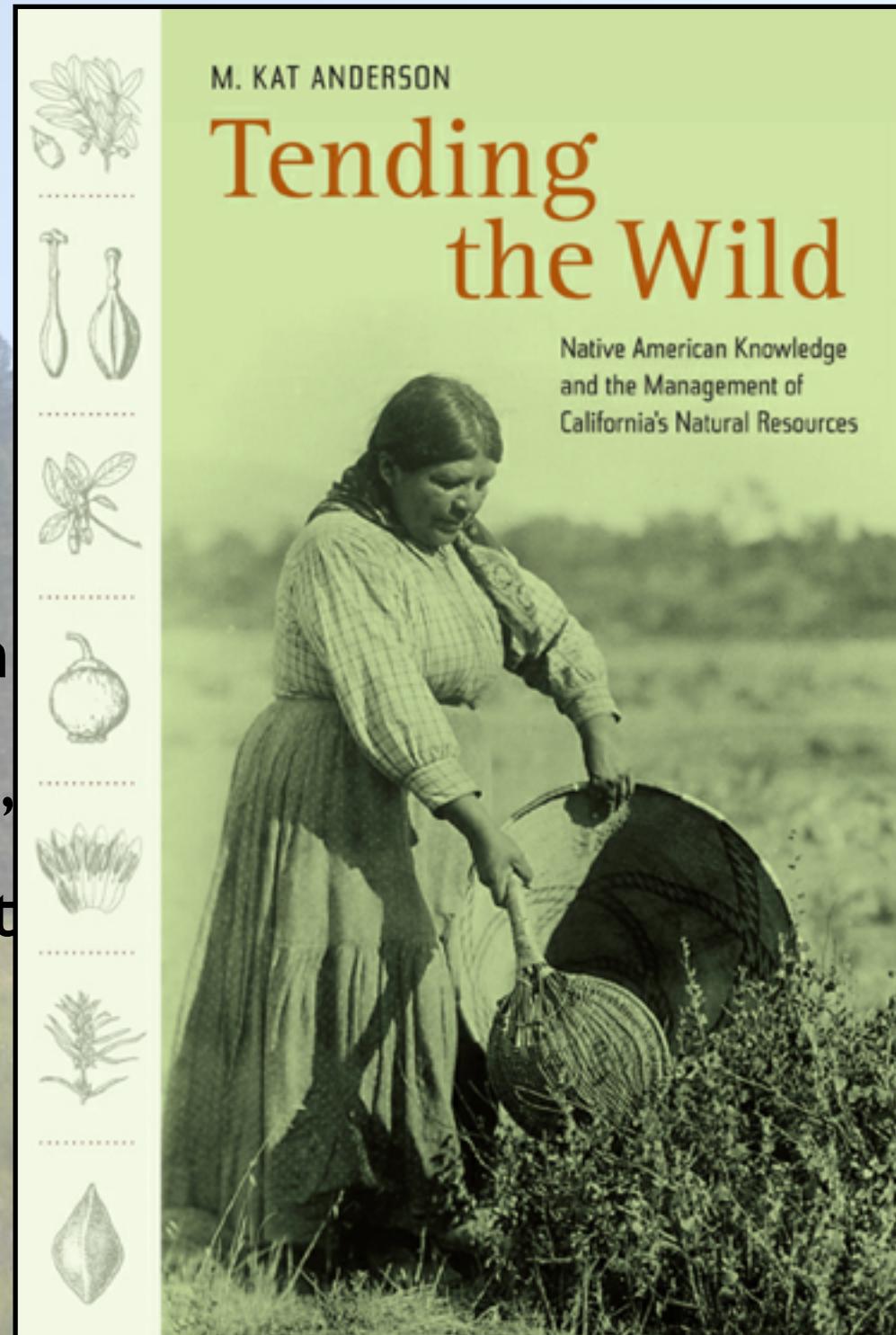
human history

- present in Sierra for 10,000 years
 - Washeo, Mono, Paiute

human history

- present in Sierra for 10,000 years
 - Washeo, Mono, Paiute
- “Tending the wild” M. Kat Anderson

- present in
- Washeo,
- “Tending t



introduction to Whittell Forest



introduction to Whittell Forest

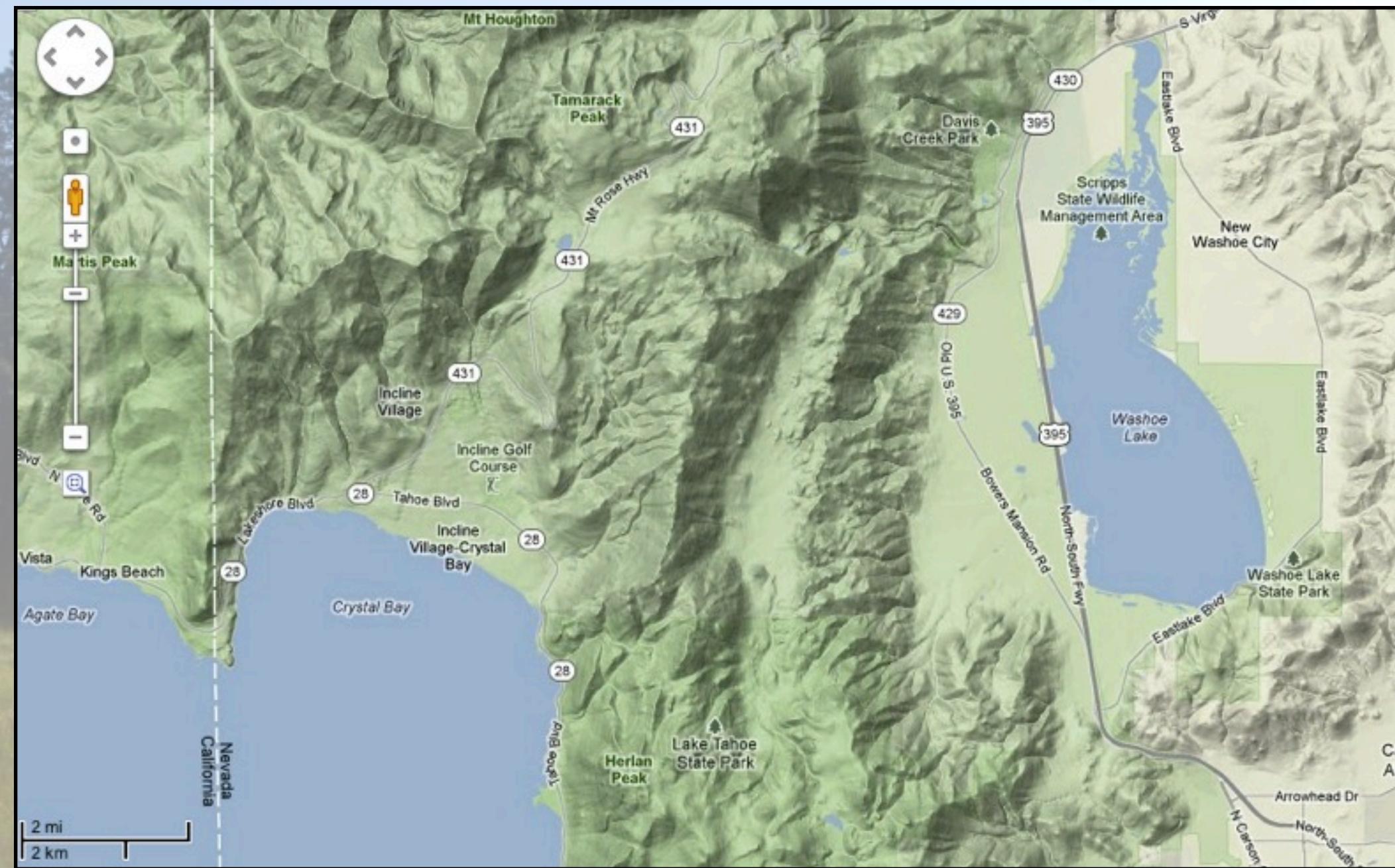
George Whittell

- The “Captain”
- Millionaire playboy
- 40,000 acres in Tahoe Basin
- donation of 2,650 acres to UNR in 1959



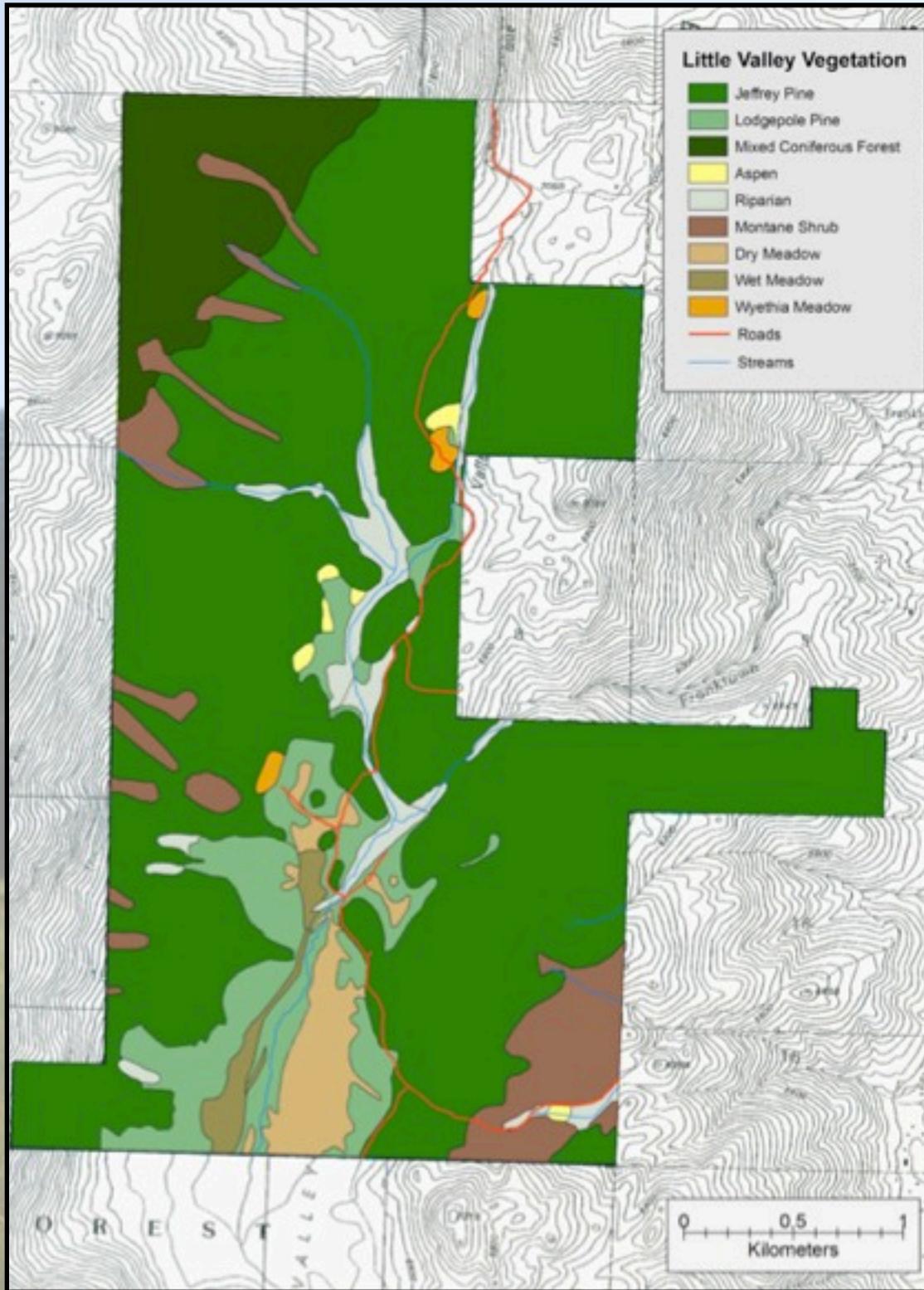






introd

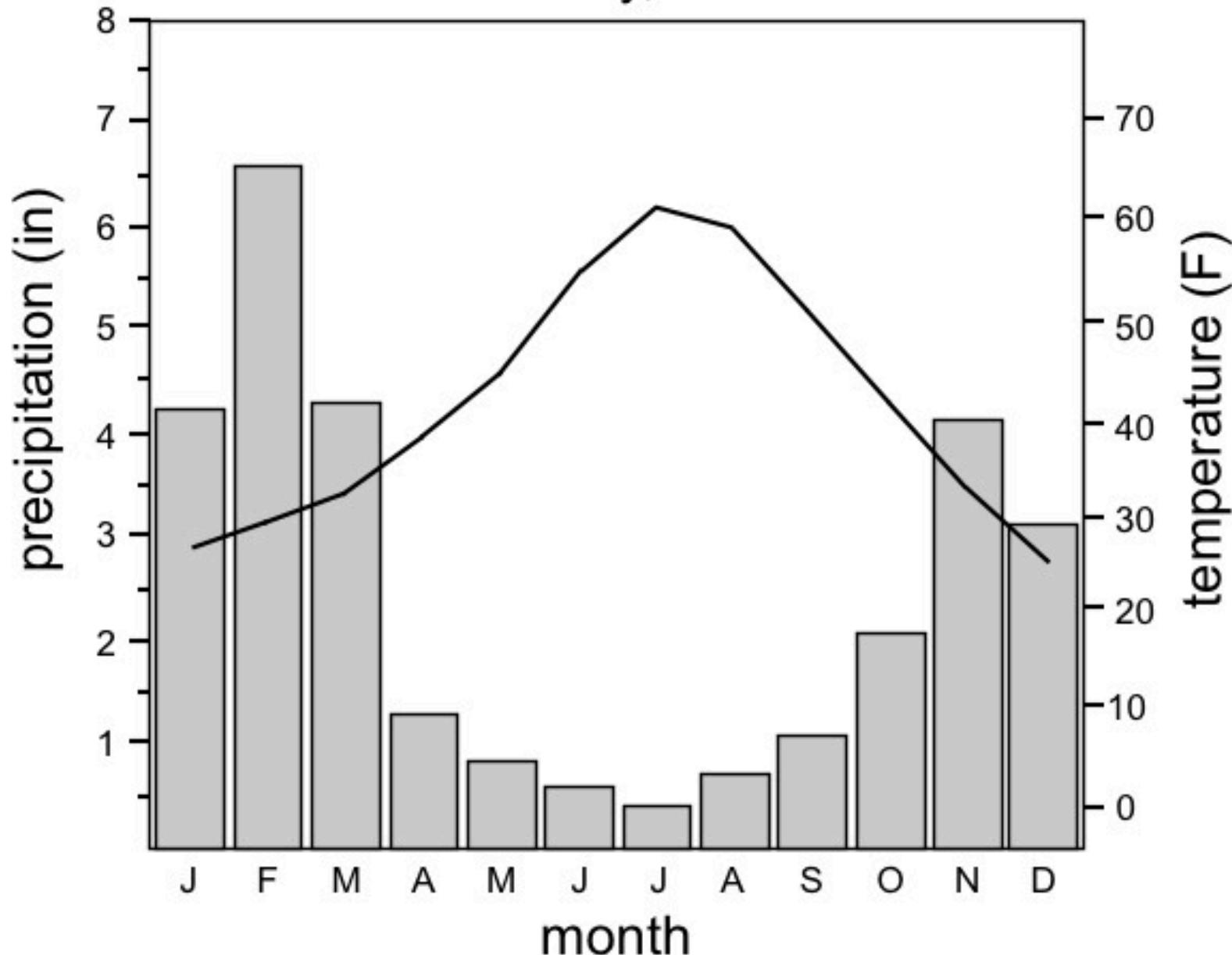
Forest



in

Little Valley, Nevada

st



introduction to Whittell Forest

