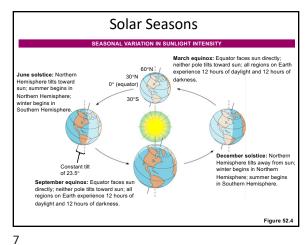
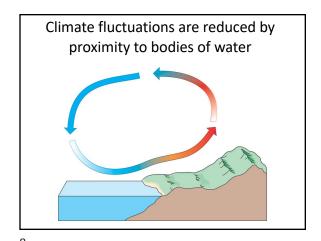
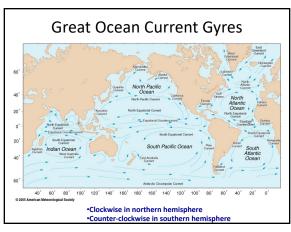


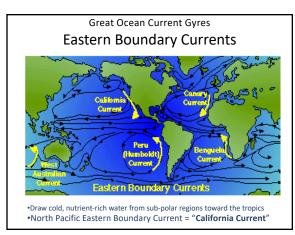
Geology Geology · Igneous rock: volcanic mountains · Metamorphic rock: plate boundaries · Sedimentary rock: old seabed 5

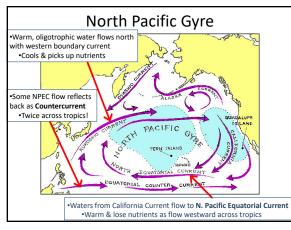


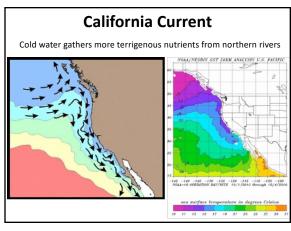


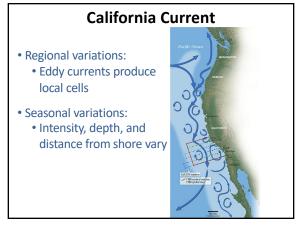








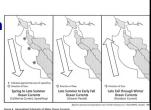




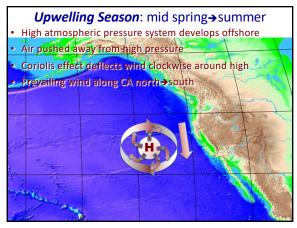
California Seasons of the Sea

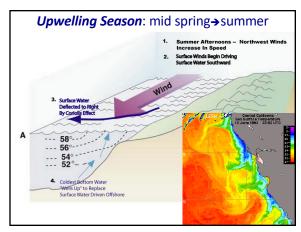
Determined & defined by dominant nearshore ocean conditions

- Upwelling season
- Oceanic season
- Davidson season

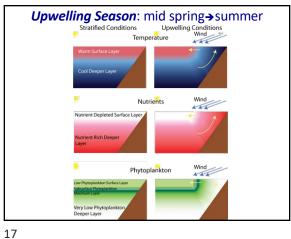


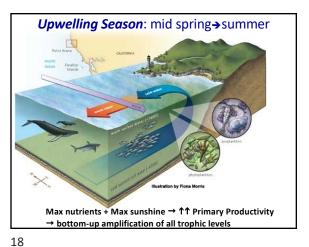
13

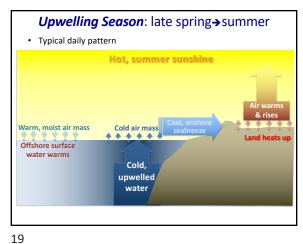


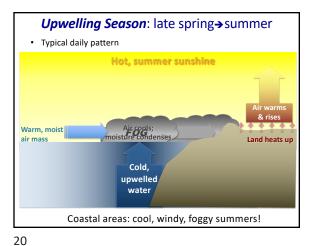


15 16





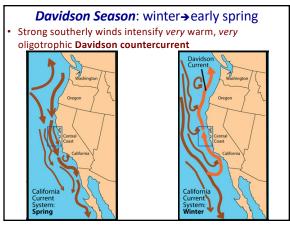




Oceanic Season: late summer→autumn · High pressure system weakens; moves onshore Low pressure system develops offshore Air pulled toward low pressure Coriolis effect deflects wind counter-clockwise around low Prevailing wind along CA south-north

Oceanic Season: late summer→autumn Prevailing wind along CA south→north Southerly winds cause nearshore downwelling Warm, oligotrophic oceanic waters move nearshore Mild weather. Low ocean productivity. Wind Ekman transport Pycnocline

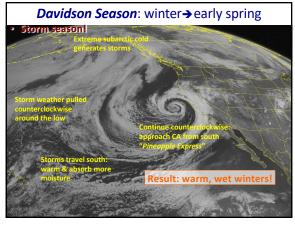
Davidson Season: winter→early spring Low pressure system intensifies Storm season!

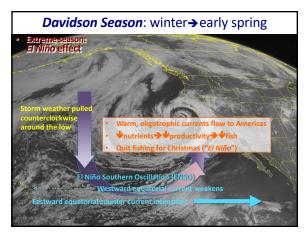


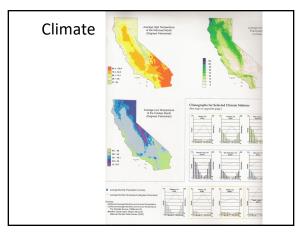
23

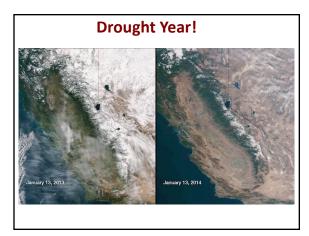
Heyer 4

22

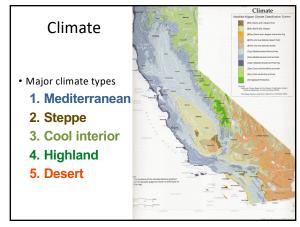


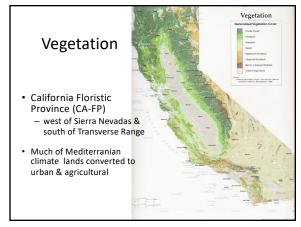




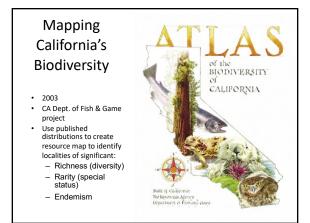


27 28



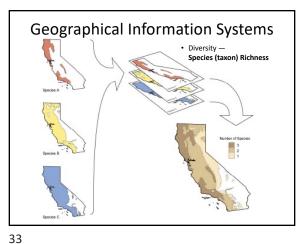


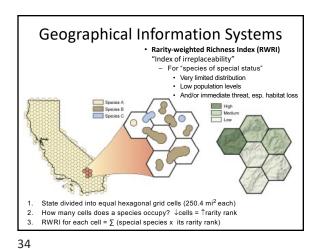
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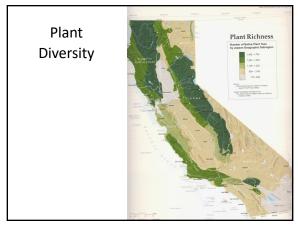


Geographical Information Systems (GIS) A computerized GIS can combine layers of information in various ways to produce maps or conduct analyses. What a Computerized Geographic Information System (GIS) Can Do

31 32



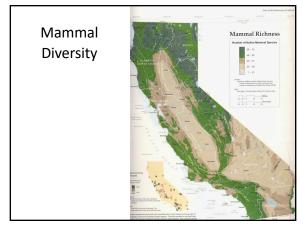


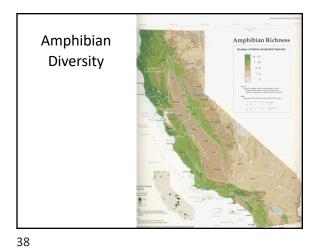


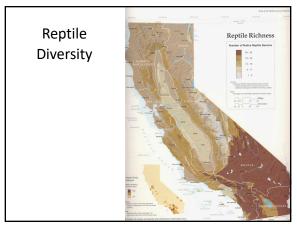
Plant Plant Rarity Hotspots **RWRI**

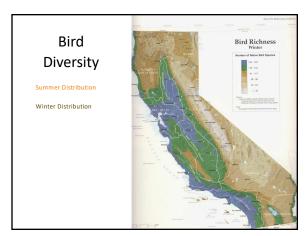
6

36 35

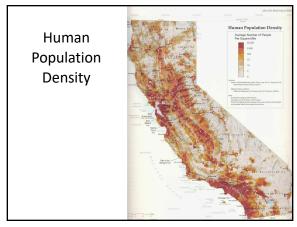


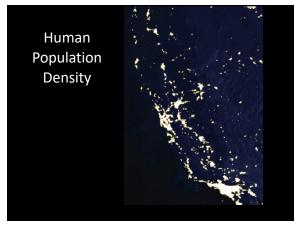






39 40





41 42