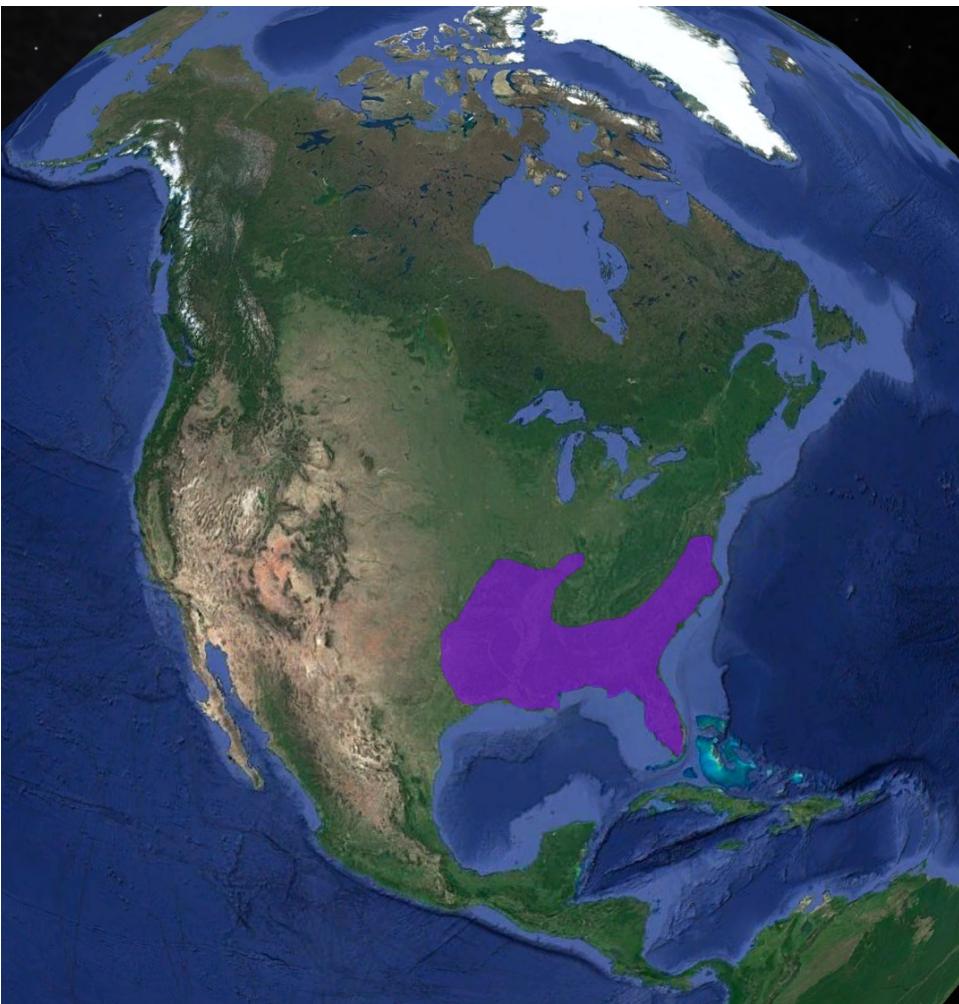


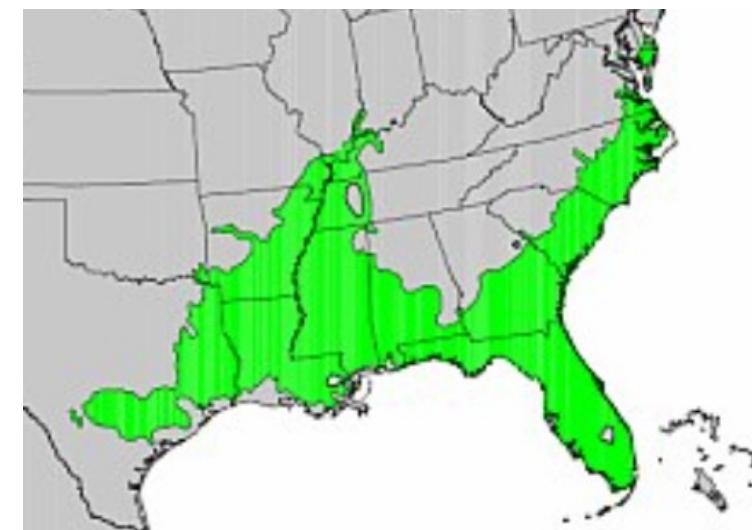
# Gulf Region



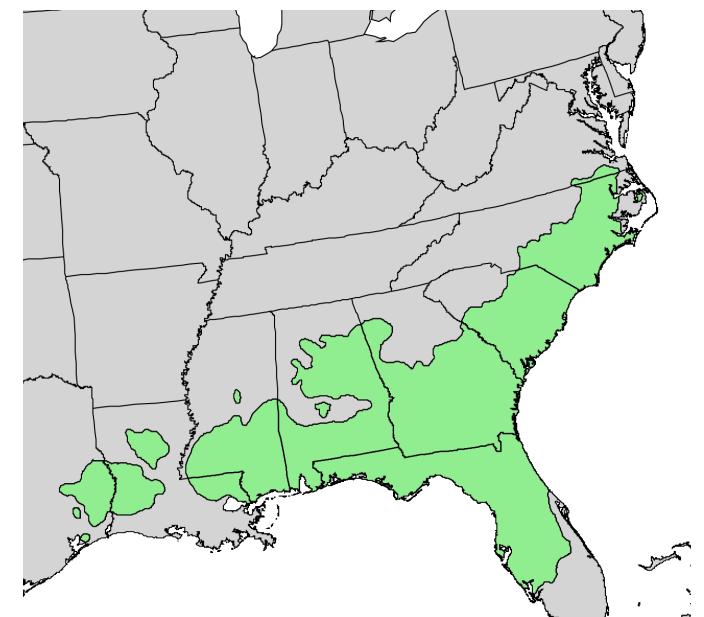
NA Level III Equivalents: 15.4.1, 8.5.2, 8.5.3, 8.5.1, 8.3.5, 8.3.6, 8.3.7, 8.3.8, 8.3.3, 8.3.4, 8.4.5, 8.4.6, 8.4.7, 8.4.8



## Example endemic Taxa (Little 1971)



## *Taxodium distichum*



*Pinus palustris*

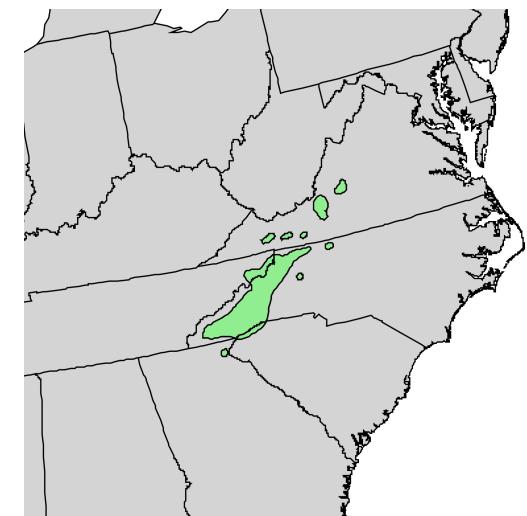
## Figure S1

## Appalachian Region

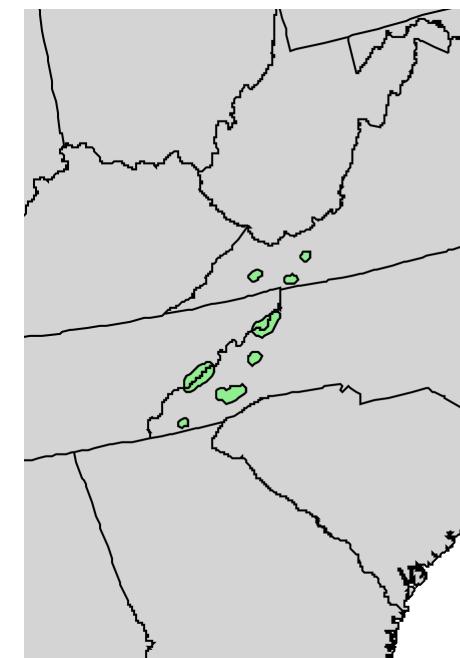


NA Level III Equivalents: 8.1.7, 8.5.4, 8.3.1, 8.4.1, 8.4.4, 8.4.2, 8.4.9, 8.4.3

Example Endemic Taxa (Little 1971)



*Tsuga caroliniana*



*Abies fraseri*

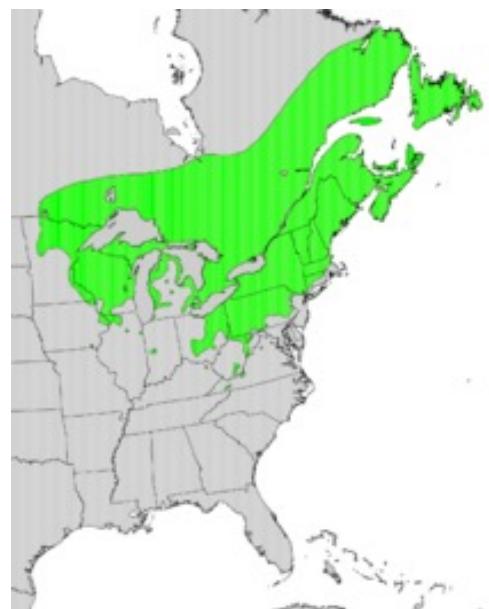
Figure S2

# Laurentian / Great Lakes Region

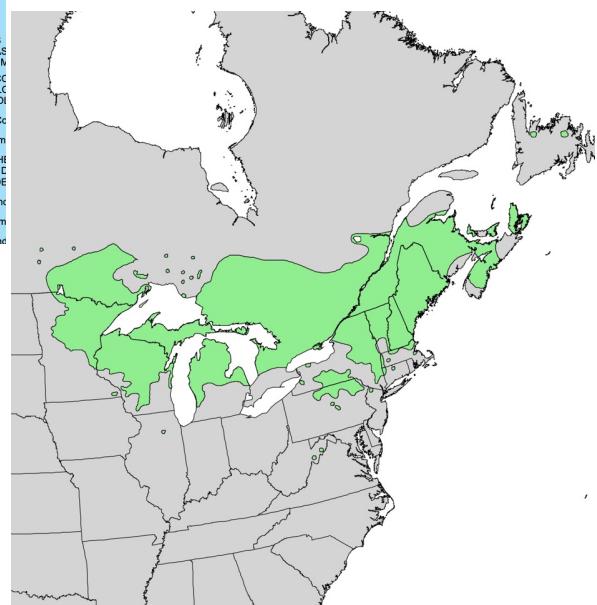


NA Level III Equivalents: 5.3.3, 8.1.8, 8.1.9, 8.1.1, 8.1.2, 8.1.3, 8.1.10, 8.2.4, 8.2.3, 8.2.1, 8.1.5, 8.1.4, 8.2.2, 5.2.2, 5.2.1, 5.2.3, 5.1.3, 5.1.4, 5.1.6

Example gradient taxa, Little 1972



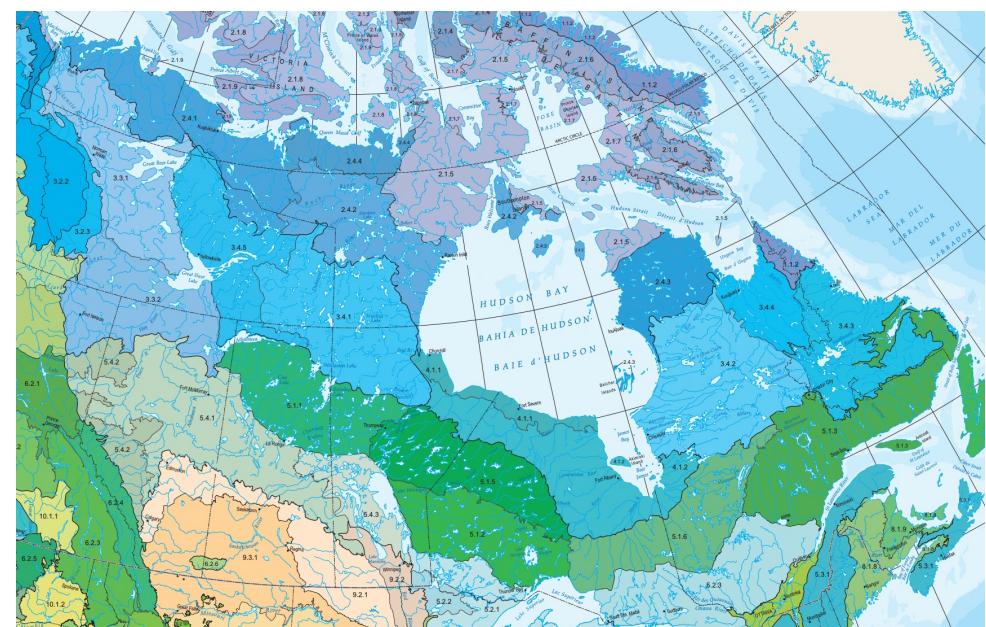
*Taxus canadensis*



*Pinus resinosa*

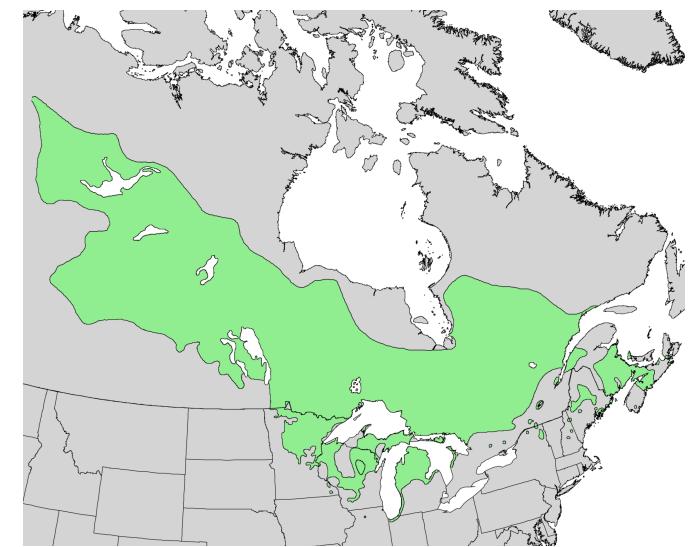
Figure S3

## Boreal East

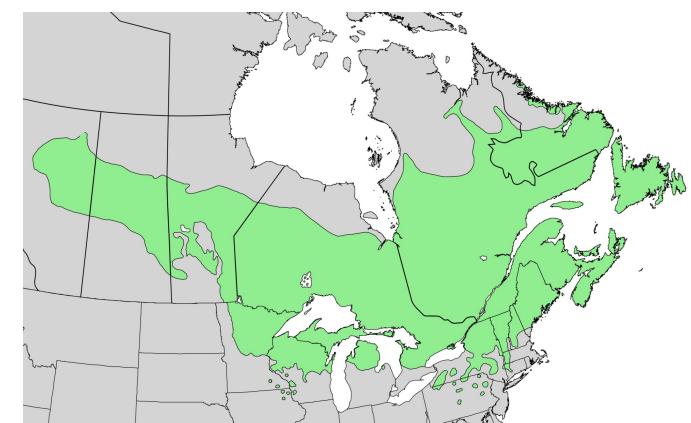


NA Level III Equivalents: 5.1.5, 4.1.2, 5.1.6, 5.1.1, 5.4.1, 5.4.3, 3.4.2, 3.4.4, 3.4.3, 4.1.1, 3.4.1, 3.4.5, 3.3.2, 3.3.1

Example gradient Taxa (Little 1971)



*Pinus banksiana*



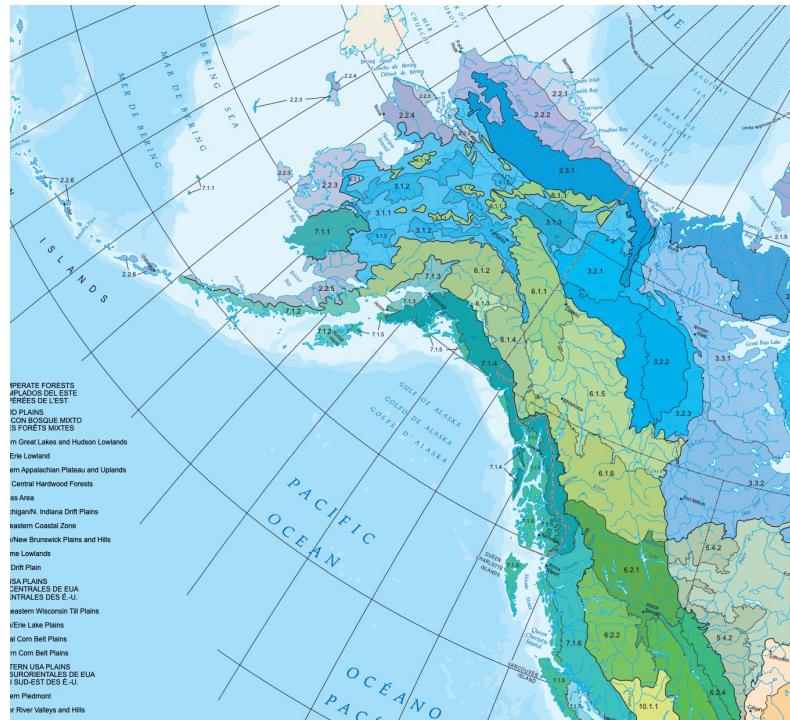
*Abies balsamea*

Figure S4

# Boreal West



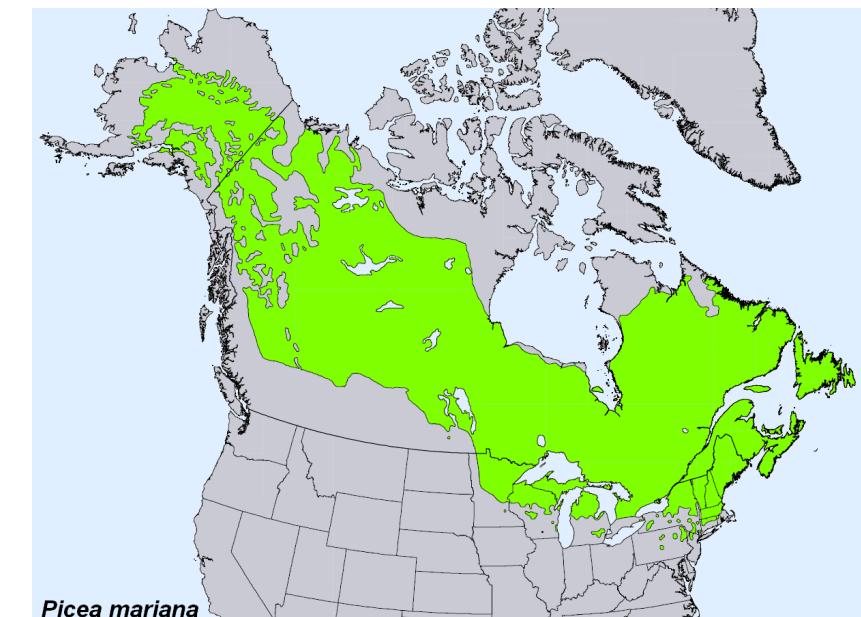
NA Level III Equivalents: 6.2.2, 6.2.1, 6.1.6, 6.1.5, 6.1.1, 6.1.2, 6.1.3, 5.4.2, 3.2.3, 3.2.1, 3.1.3, 3.1.1, 3.1.2



## Example gradient Taxa (Little 1971)



*Abies lasiocarpa*



*Picea mariana*

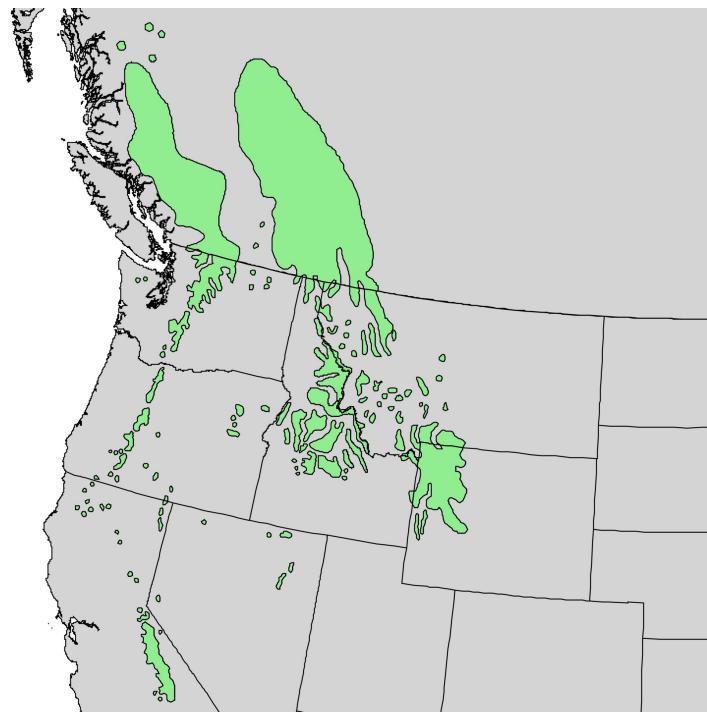
# Figure S5

# Inland NW



NA Level III Equivalents: 6.2.2, 6.2.4, 6.2.3, 6.2.10 above dashed line, 6.2.6, 6.2.15, Also smaller populations of Juniper, Ponderosa, and Douglas-fir within 9.3.1, and 9.3.3 to dashed line. Also encompasses populations in 10.1.1

## Example gradient Taxa (Little 1971)



*Pinus albicaulis*



## *Thuja plicata*

## Figure S6

## PNW Coast



NA Level III Equivalents: 7.1.5, 7.1.4, 7.1.5, 7.1.6, 7.1.7, 7.1.8  
north of dotted line, 7.1.9, 6.2.5, 6.2.7-8 north of dotted line

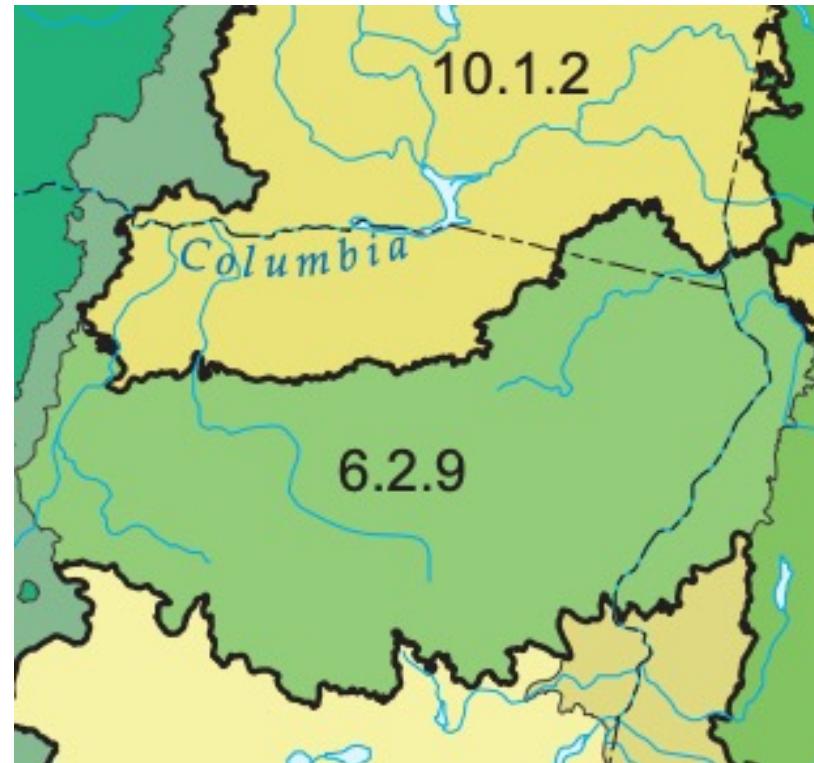
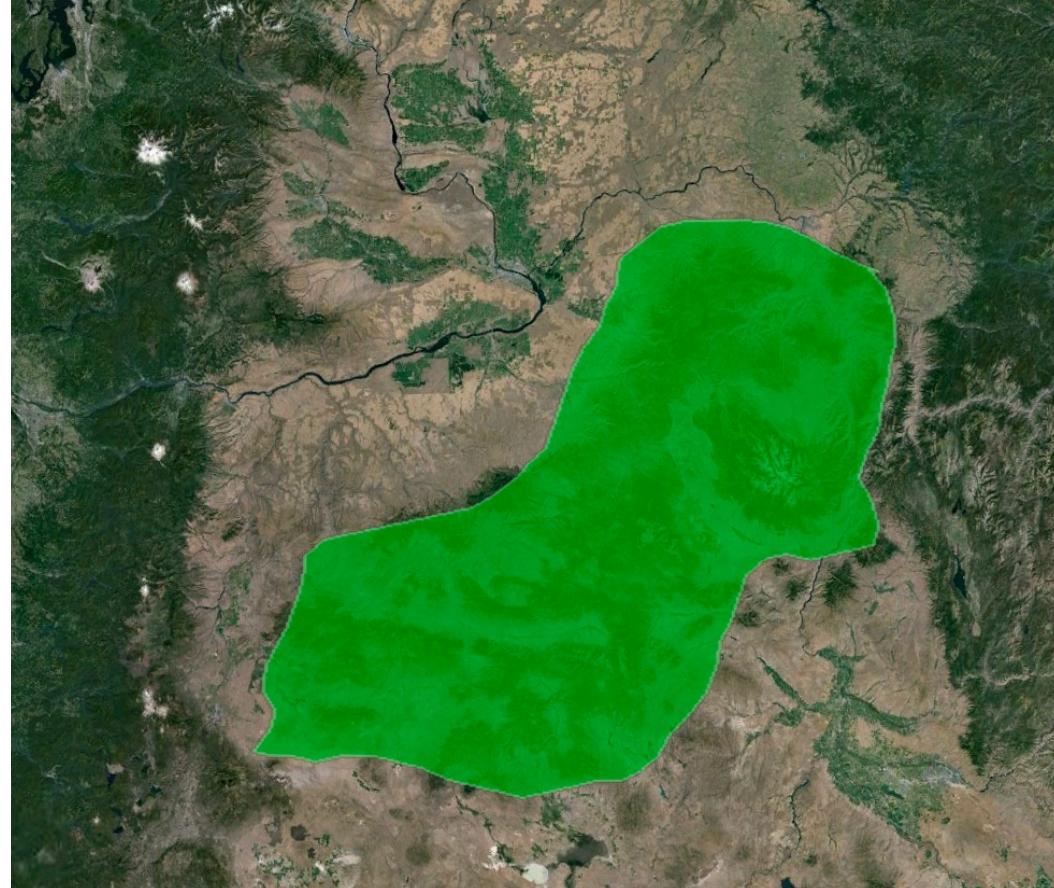


*Picea sitchensis*



*Tsuga mertensiana*

## Blues, strictly transitional

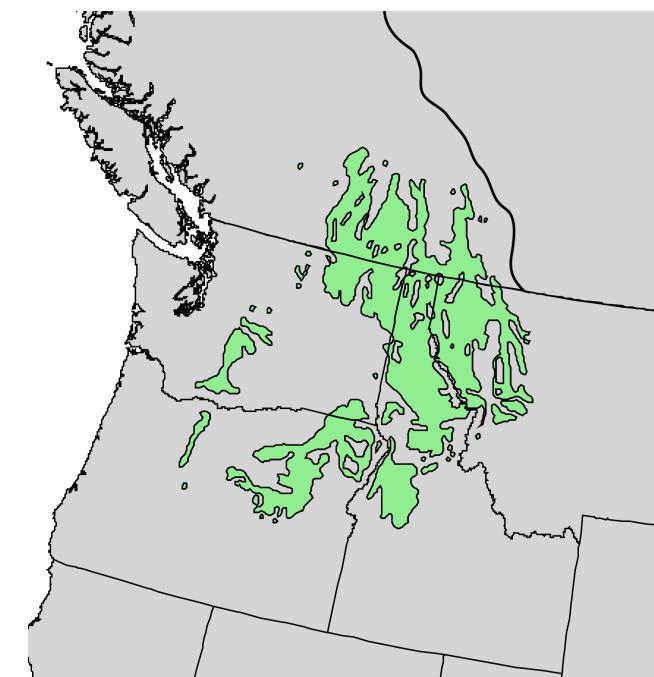


NA Level III Equivalents: 6.29

Example gradient Taxa (Little 1971)



*Callitropsis / Xanthocyparis nootkatensis*



*Larix occidentalis*

Figure S8

# Klamath-South Cascades Region Transition between California and PNW conifers

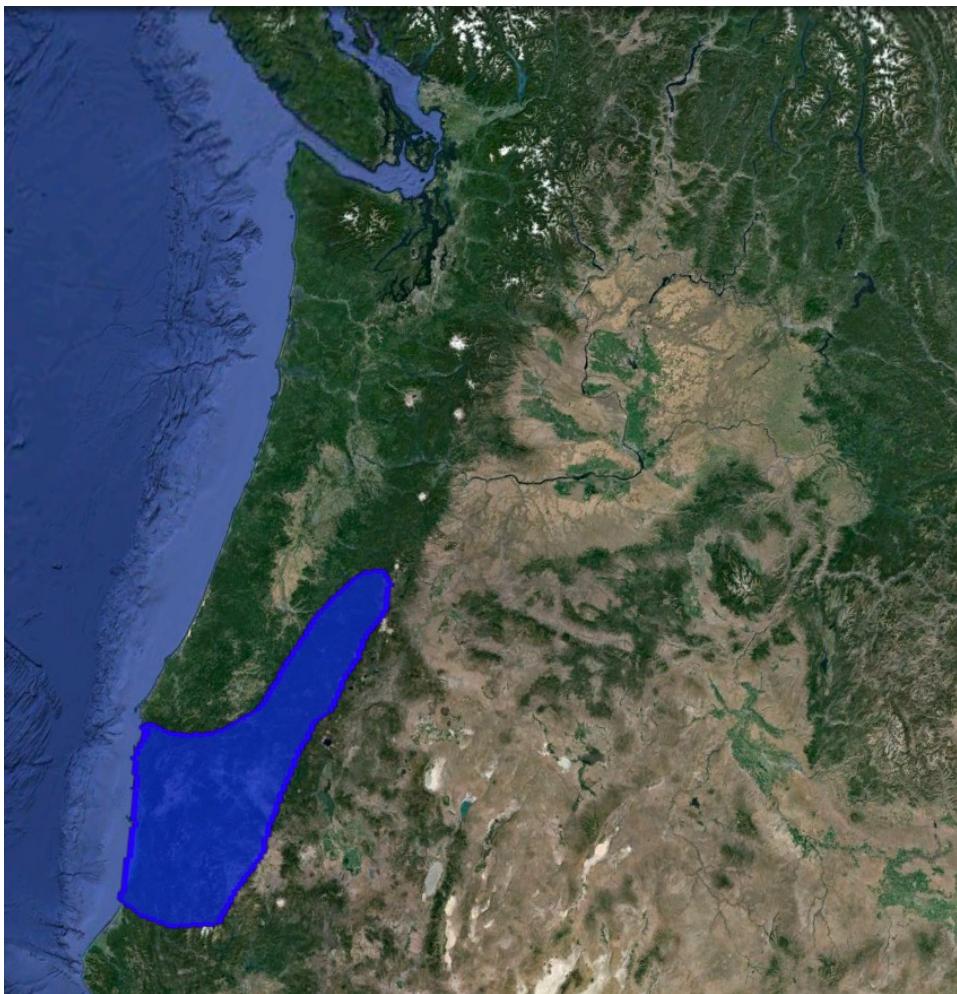
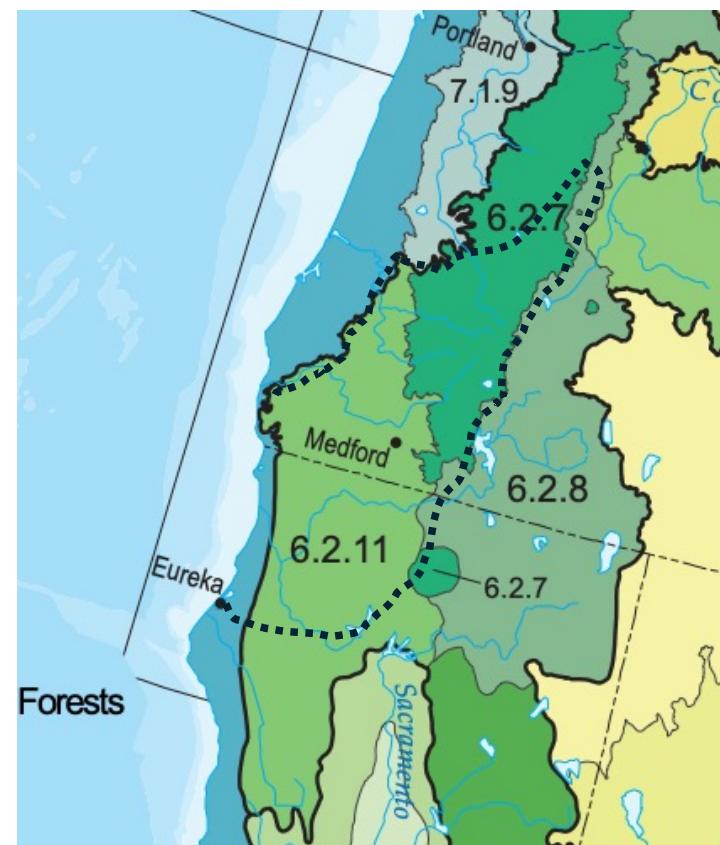
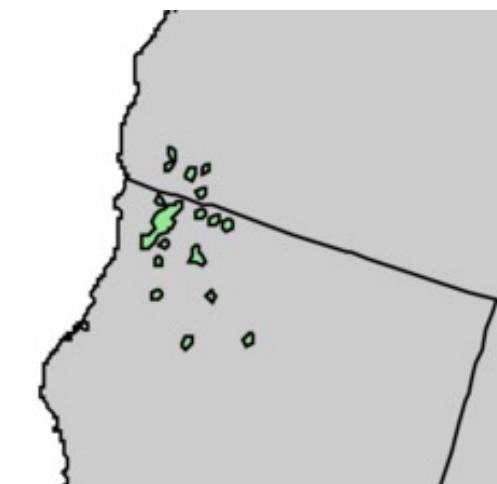


Figure S9

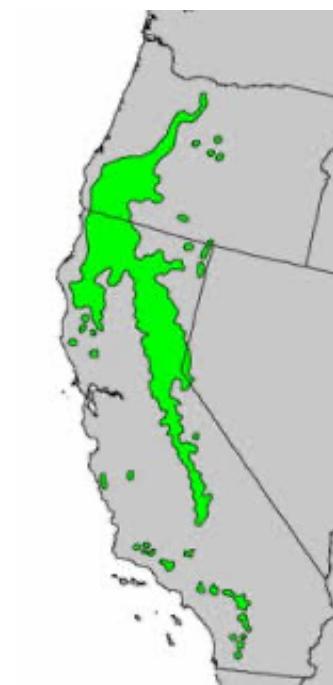


NA Level III Equivalents: All within the dotted line: 6.2.7,  
6.2.11, 6.2.8, 7.1.8

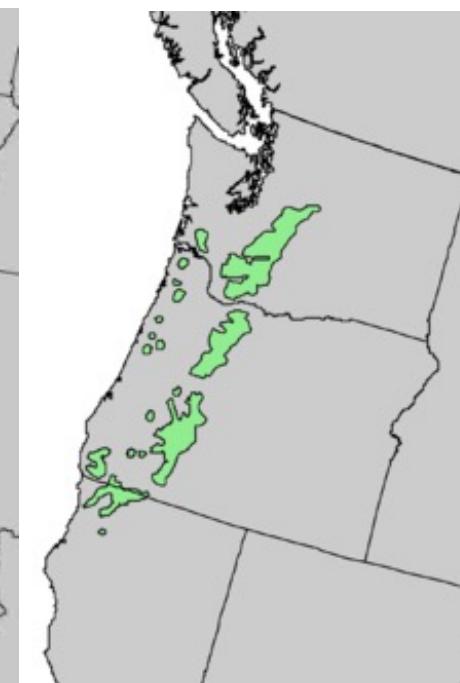
Example endemic and gradient Taxa (Little  
1971)



*Picea breweriana*

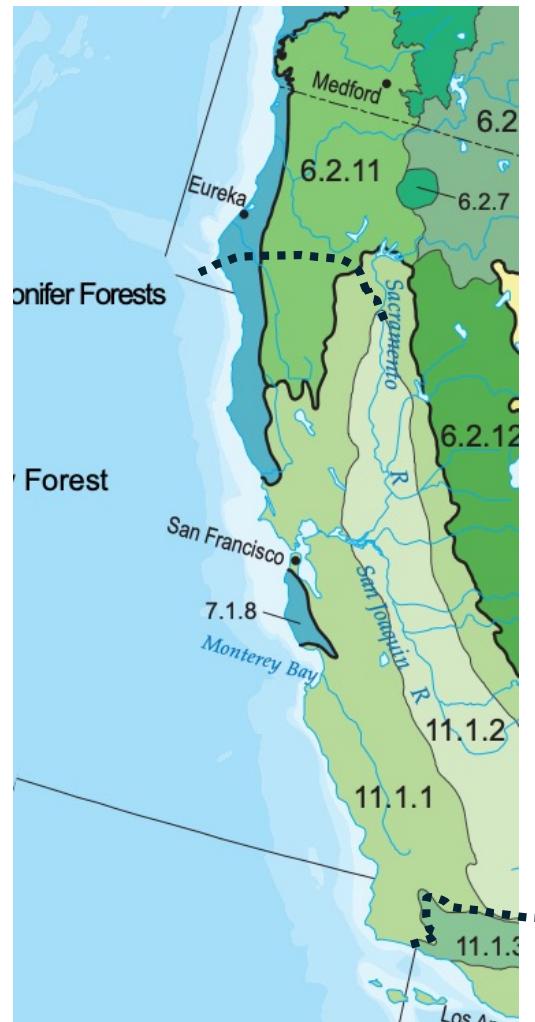


*Calocedrus decurrens*



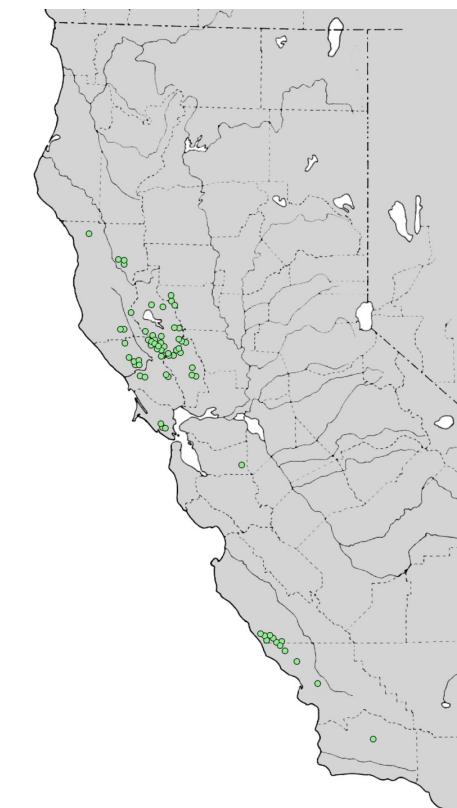
*Abies nobilis*

# California Coast Region

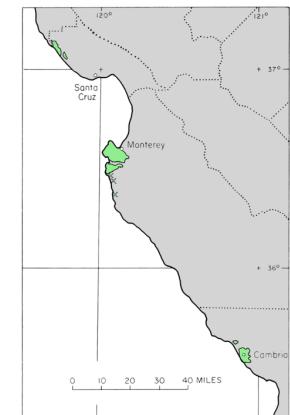


NA Level III Equivalents: 7.1.8, 11.1.1, 6.2.11, all south and north of dotted lines.

Example endemic and gradient Taxa (Little 1971)



*Hesperocyparis sargentii*



*Pinus radiata*

Figure S10

Alto-Baja Region, named for historical Alta California province and Baja California



Figure S11

Example endemic and gradient Taxa (Little 1971)



*Pseudotsuga macrocarpa*



*Pinus coulteri*

# Basin, Southern Rockies, and Utah Ranges.

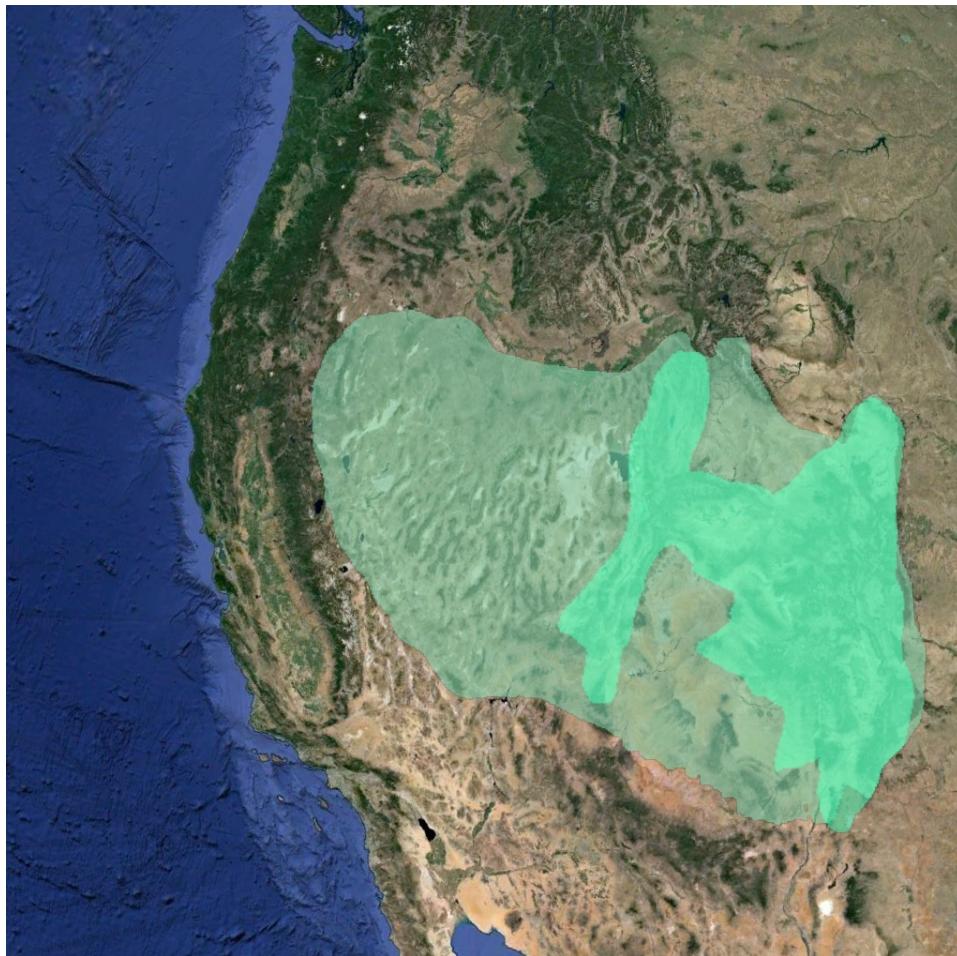
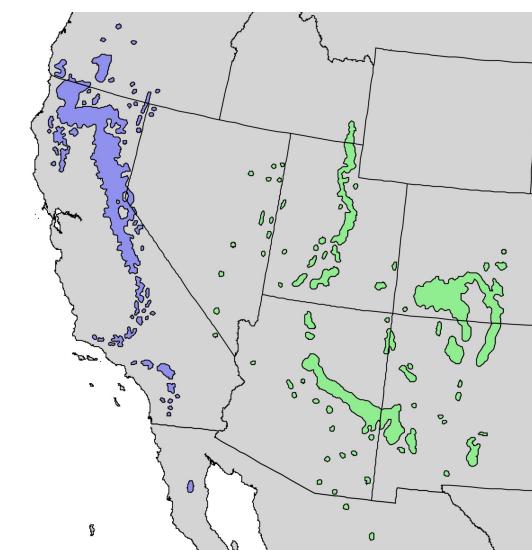


Figure S12

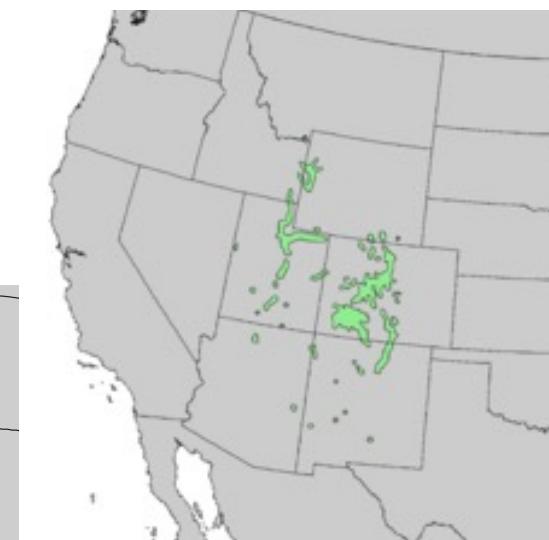


NA Level III Equivalents: Mountain Ranges within 10.1.3, 10.1.8, 10.1.4, 10.1.5, 10.1.6, 10.2.1, 10.1.7 north of line.  
Core 6.2.14, 6.2.13, 6.2.8 east of dotted line  
Note this ecoregions map does not  
Encompass all the small mountain ranges in  
Nevada

Example gradient Taxa (Little 1971)



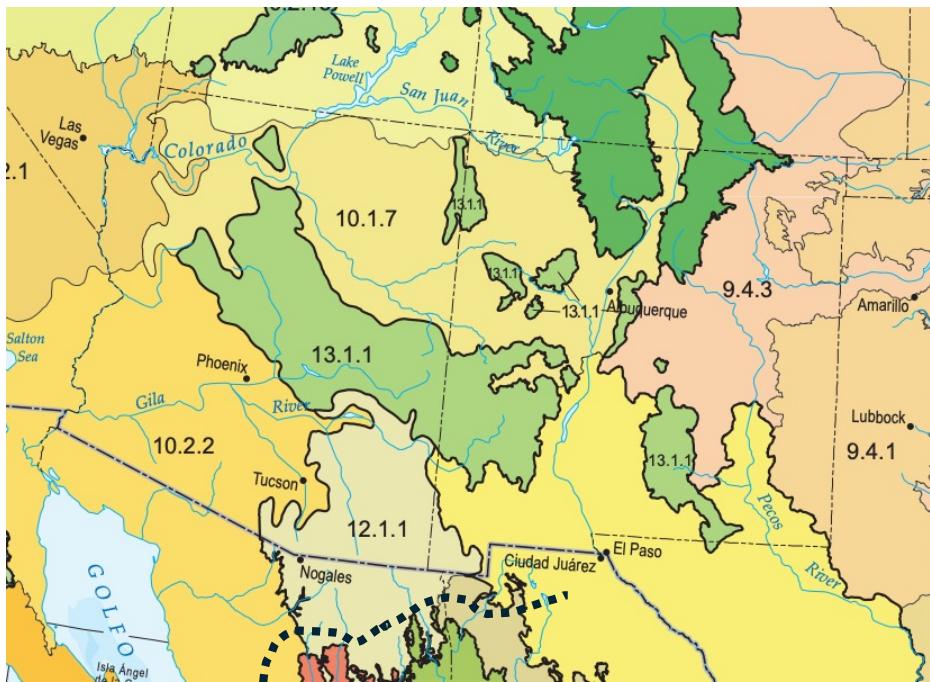
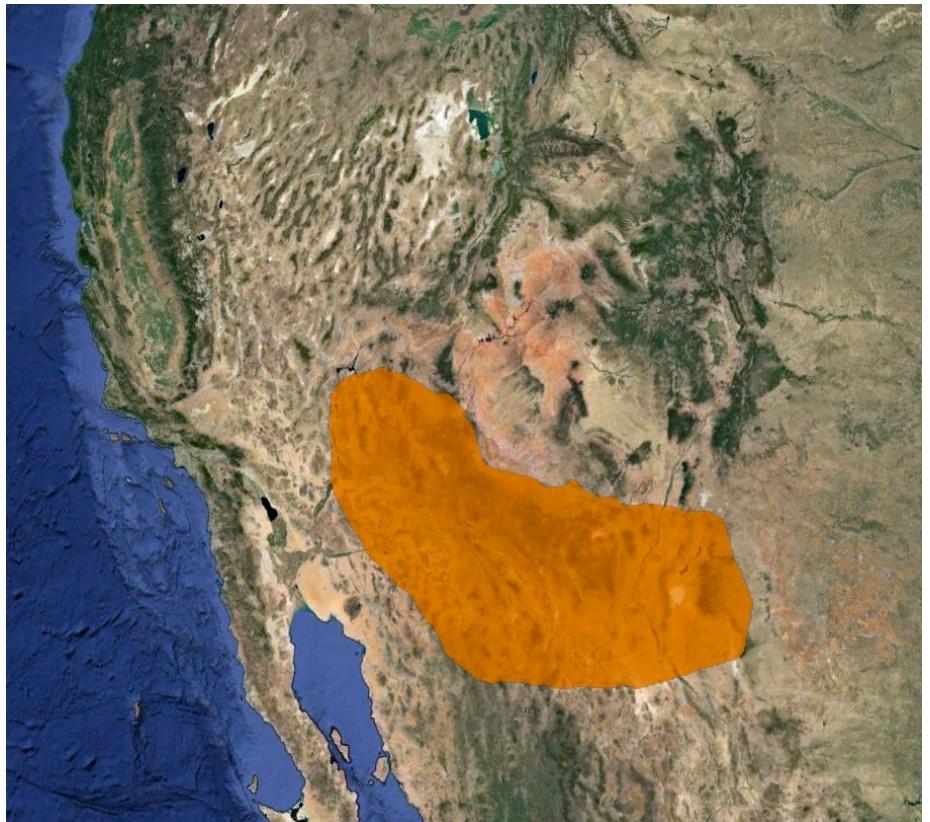
*Abies concolor*



*Picea engelmannii*

*Pinus longeava*

# Mogollon, named for Mogollon Rim

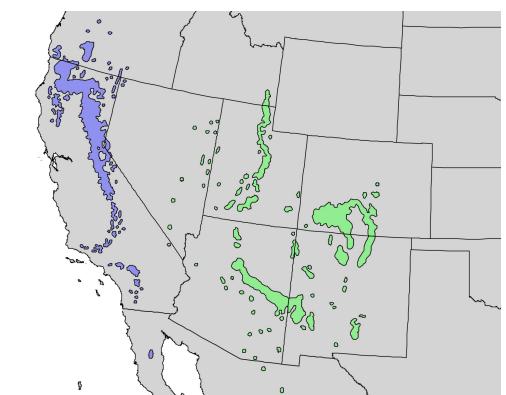


NA Level III Equivalents: Core: 13.1.1, Island Mountain Ranges within 10.2.2 and 12.1.1 north of dotted line.

Example gradient taxa (Little 1971, Earle 1997+)



*Pinus arizonica*



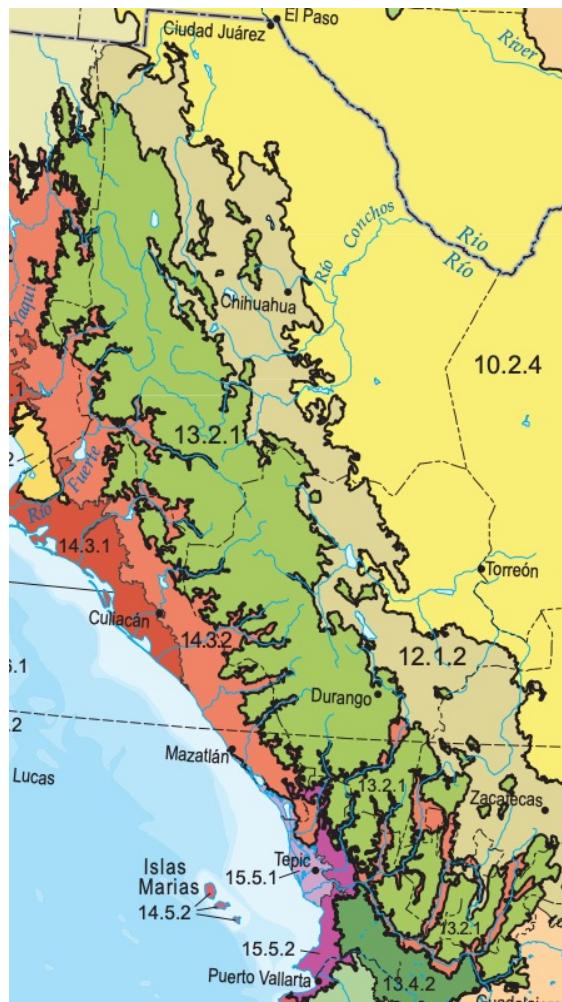
*Abies concolor*

Figure S13

# Sierra Madre Occidental

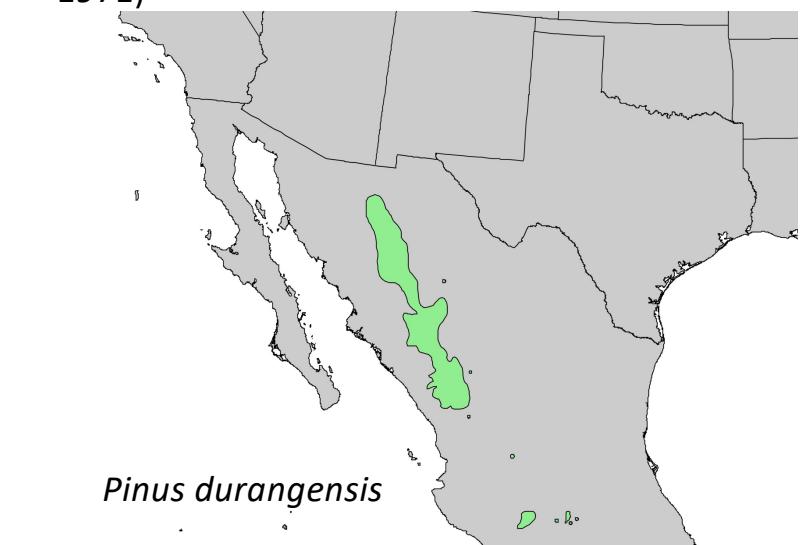


Figure S14



NA Level III Equivalents: Core: 13.2.1, 12.1.2

Example endemic and gradient Taxa (Little 1971)



*Pinus durangensis*



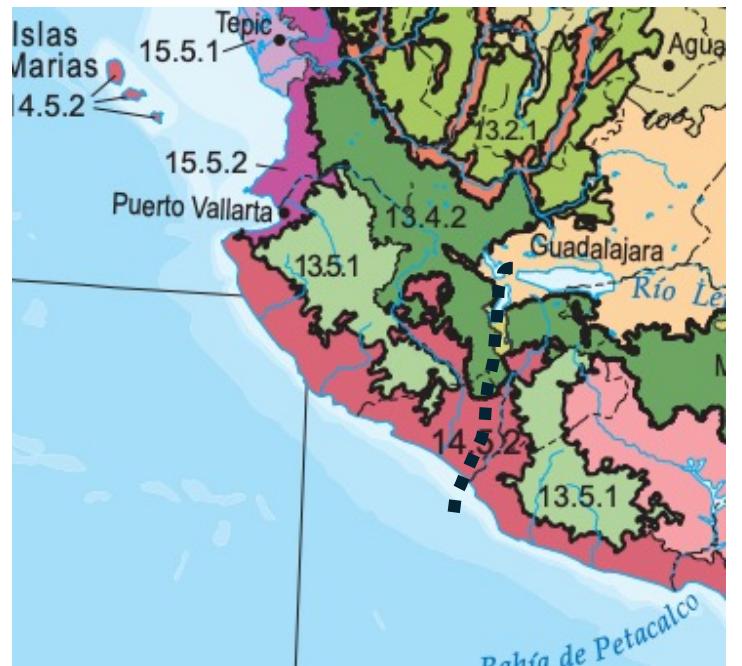
*Picea chihuahuana* (Ledig et al. 2000, via Earle 2023)

## SW Jalisco / Sur-Oeste Jalisco

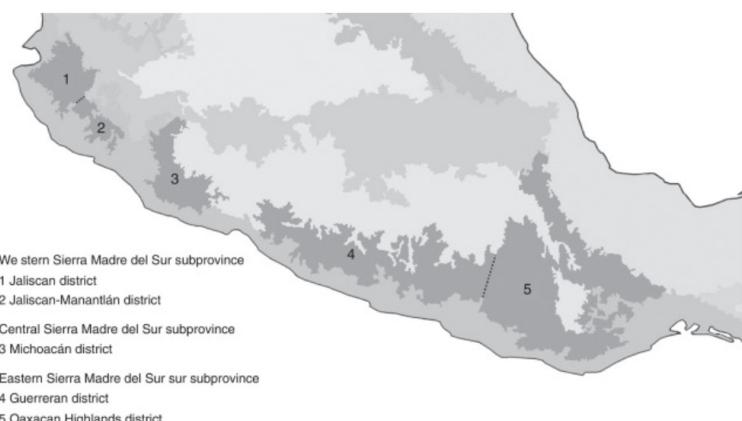
Figure S15



This region was separated based on a decent number of endemic taxa being present only in this region as well as from Morrone 2017. Revista Mexicana de Biodiversidad 88: 710–714 (map to the right->)



NA Level III Equivalents: 13.4.2, 13.5.1, west of dotted line



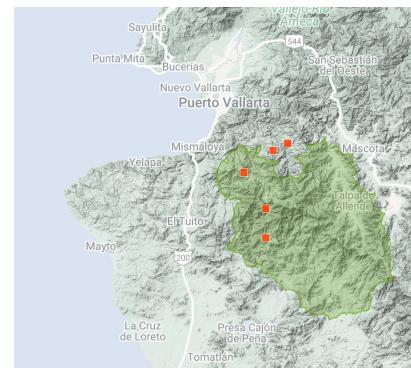
Example endemic and gradient Taxa (Earle 1997+, iNaturalist observations from Coniferas de Jalisco Project)



*Pinus jaliscana*

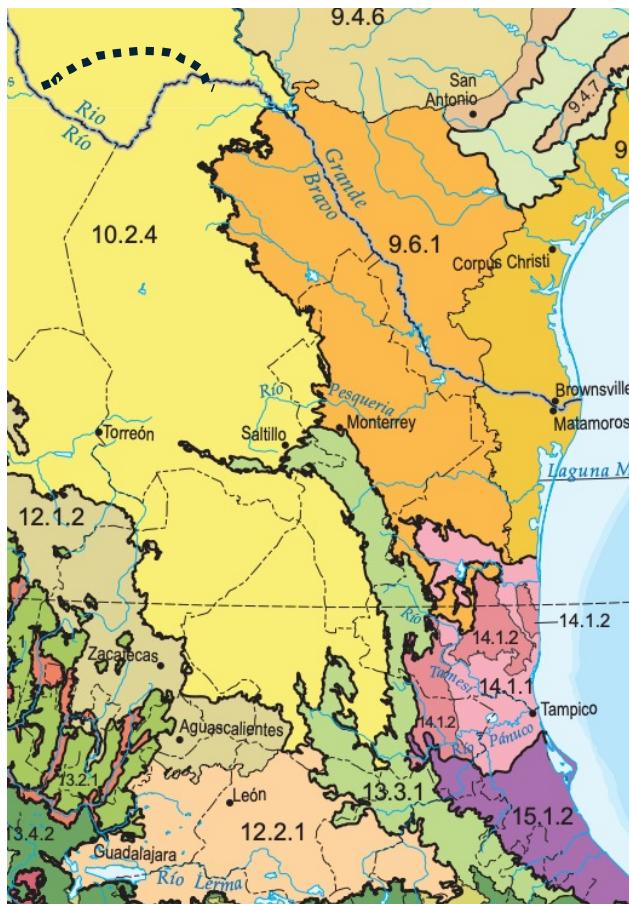


*Pinus georginae*

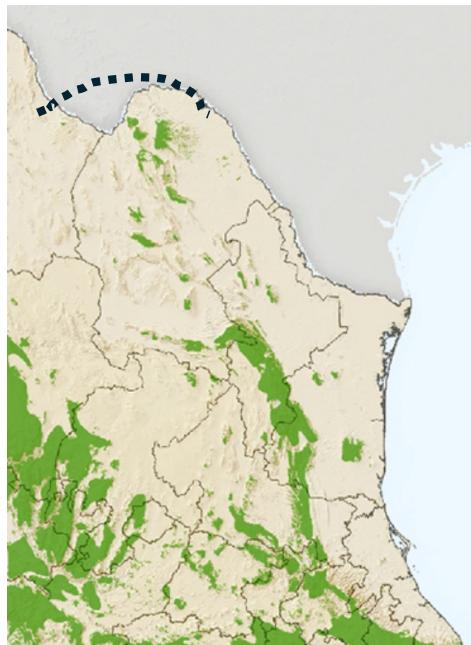


*Juniperus jaliscana*

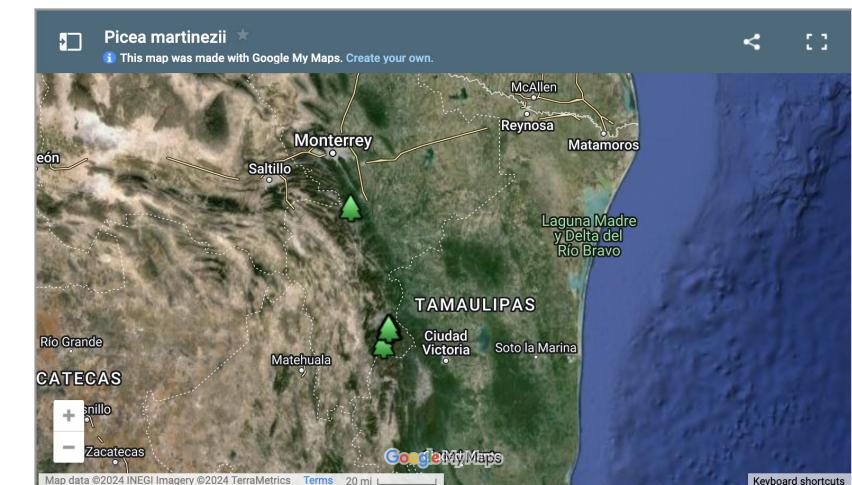
# Sierra Madre Oriental



NA Level III Equivalents: 13.3.1, also includes mountains within 10.2.4 and 9.6.1, and Chisos Mountains in Texas. See more fine scale Conabio Map from Comision Nacional Para Concimiento y Uso de la Biodiversidad on to the right of ecoregions map  
([https://www.biodiversidad.gob.mx/media/1/ecosistemas/files/EcosistemasMx\\_extensionDistribucion.pdf](https://www.biodiversidad.gob.mx/media/1/ecosistemas/files/EcosistemasMx_extensionDistribucion.pdf)).



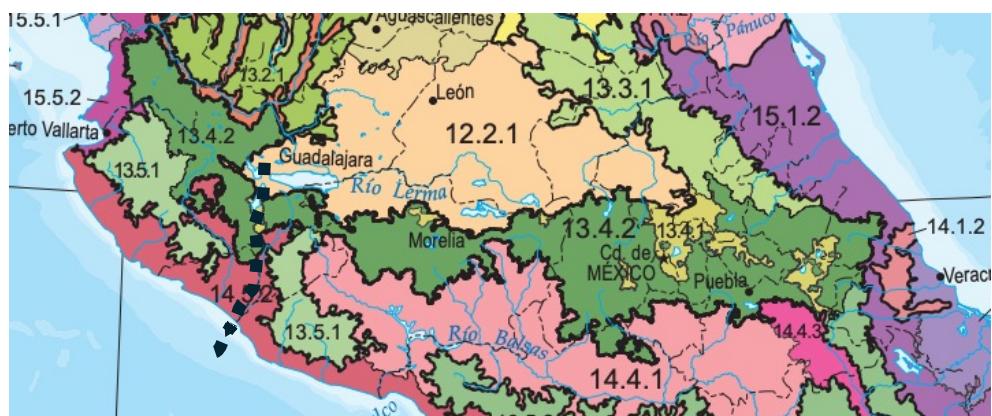
*Pinus nelsonii*



Locations of the 6 stands inventoried by Ledig et al. (2000).

*Picea martinezii*

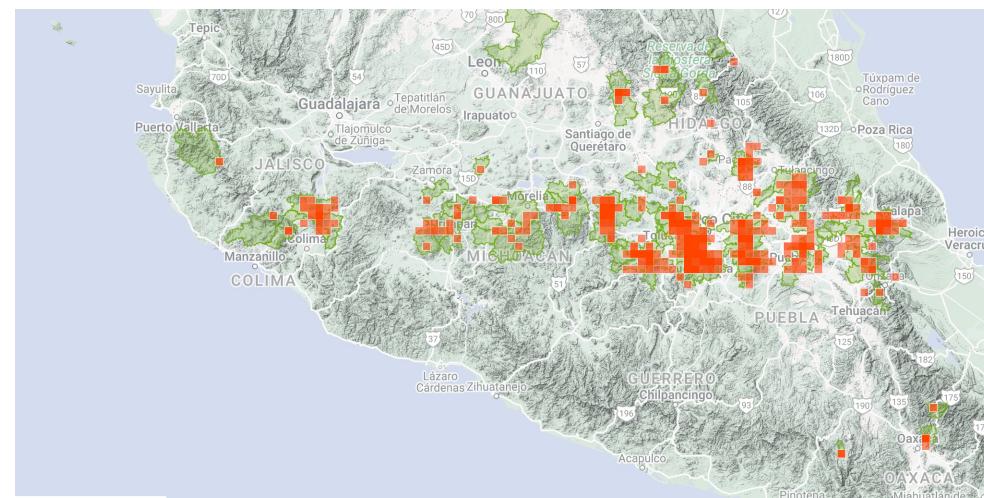
# Trans-volcanics



NA Level III Equivalents: 13.4.2 east of dotted line

Figure S17

Example gradient Taxa



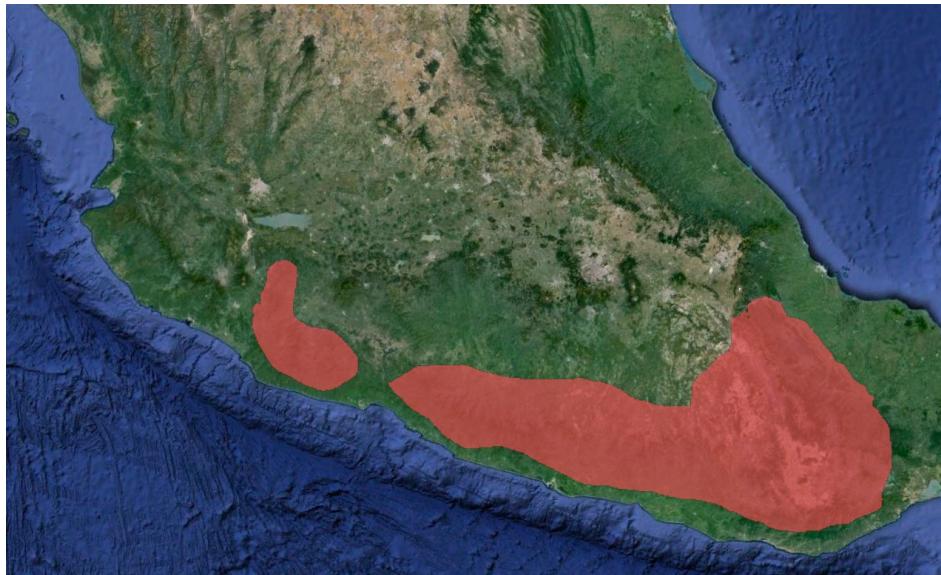
*Abies religiosa*



*Pinus hartwegii*

# Sierra Madre del Sur

## Figure S18



NA Level III Equivalents: 13.5.1 east of dotted line and 13.5.2

Example gradient taxa



*Pinus pseudostrobus*

Collection localities

Approximate limits

*Pinus douglasiana*

Collection localities

Approximate limits

I - Distrito Federal  
2 - Morelos

Pinus pseudostrobus



Abies guatemalensis

# Chiapas - Central America



## Example gradient Taxa

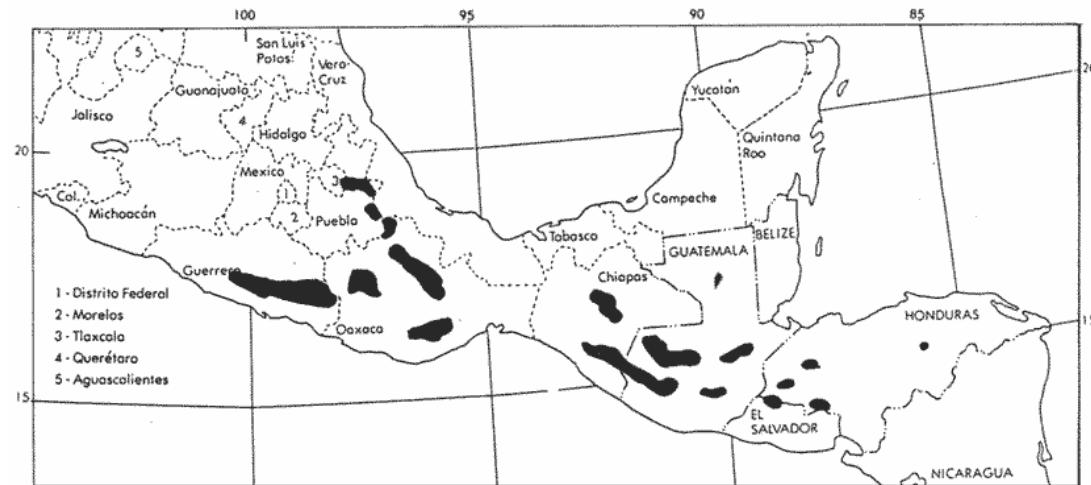


Figure S19

## Caribbean

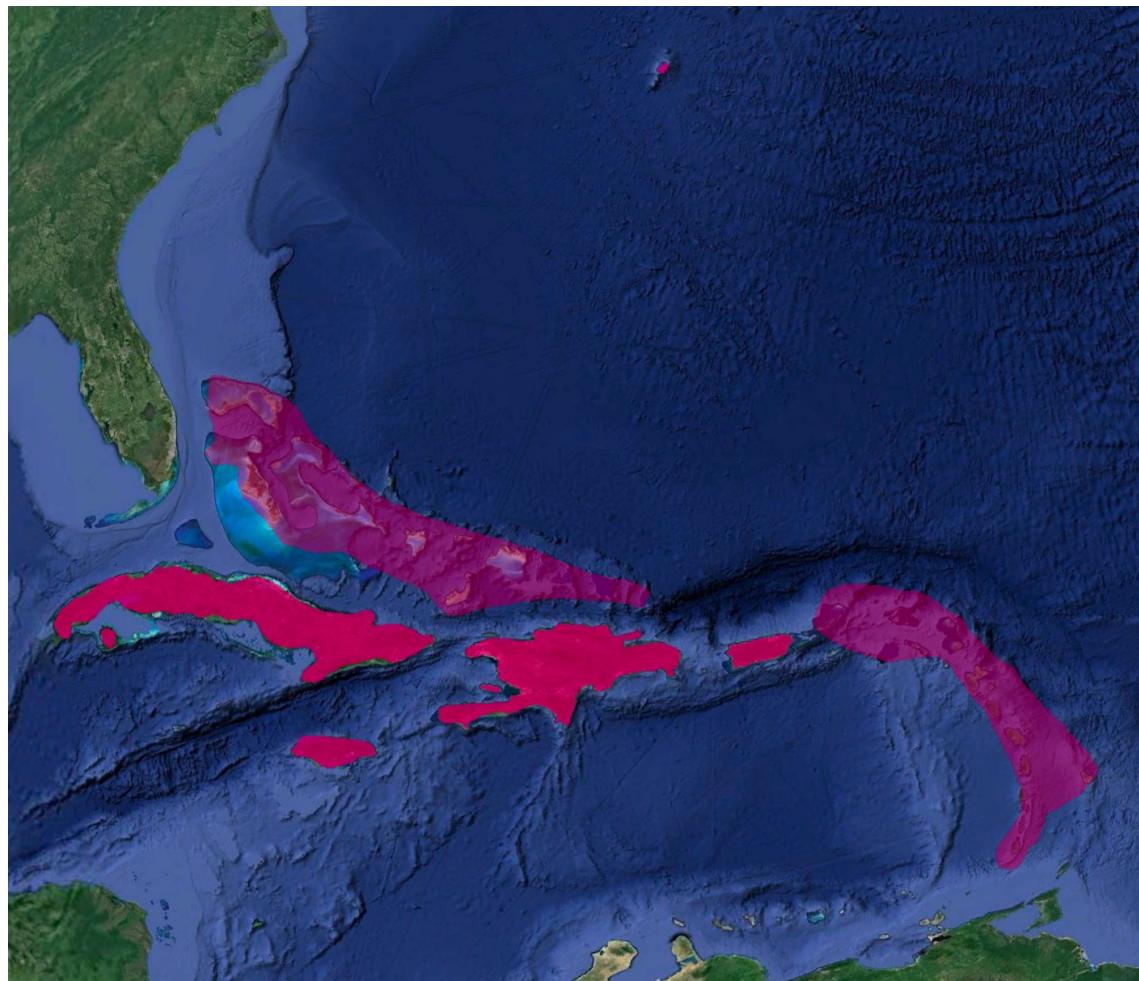


Figure S20

### Example endemic Taxa



Native Caribbean *Podocarpus* spp. Figure directly from Earle (1997+) at Conifers.org. These data are in turn from Mill (2015).



*Pinus cubensis*, figure from Earle (1997+) based off of Farjon and Styles (1997)

## Plains Junipers Rationale



Figure S21