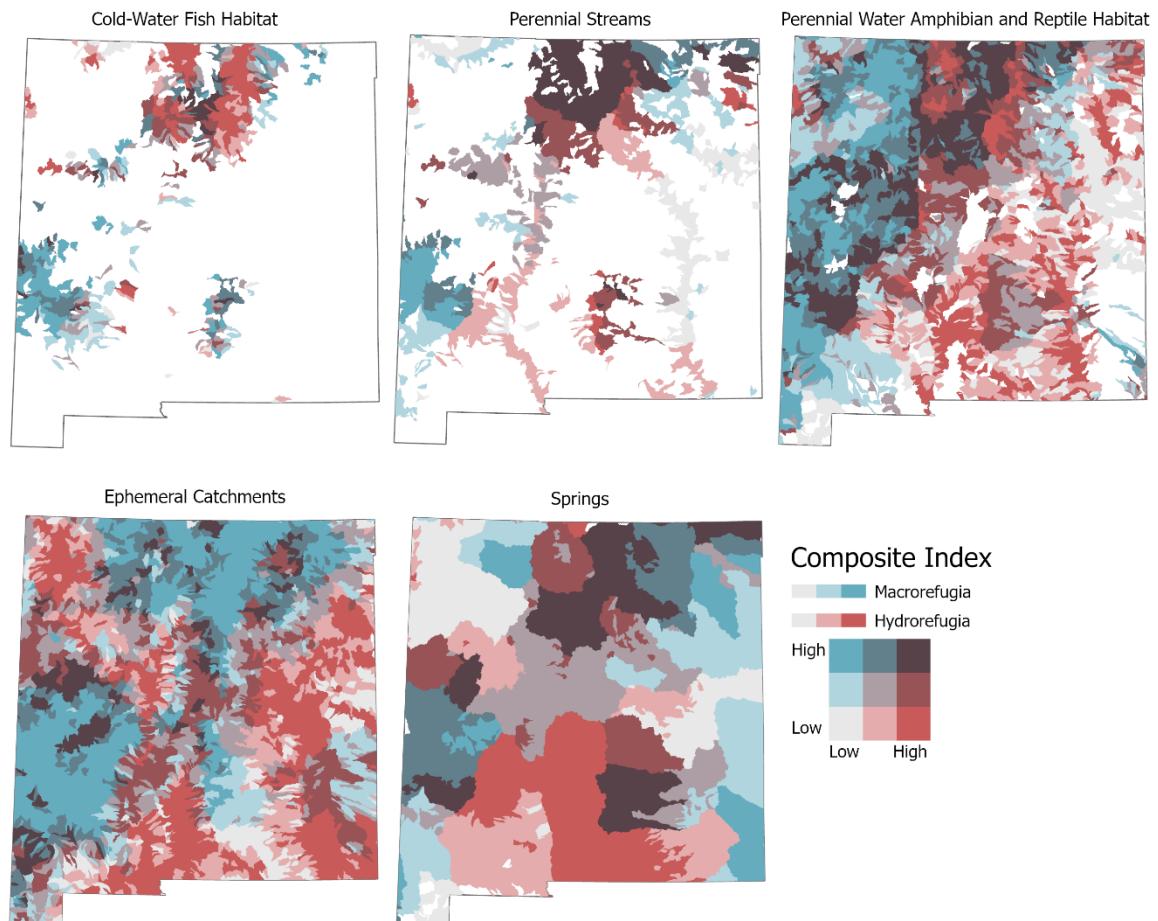


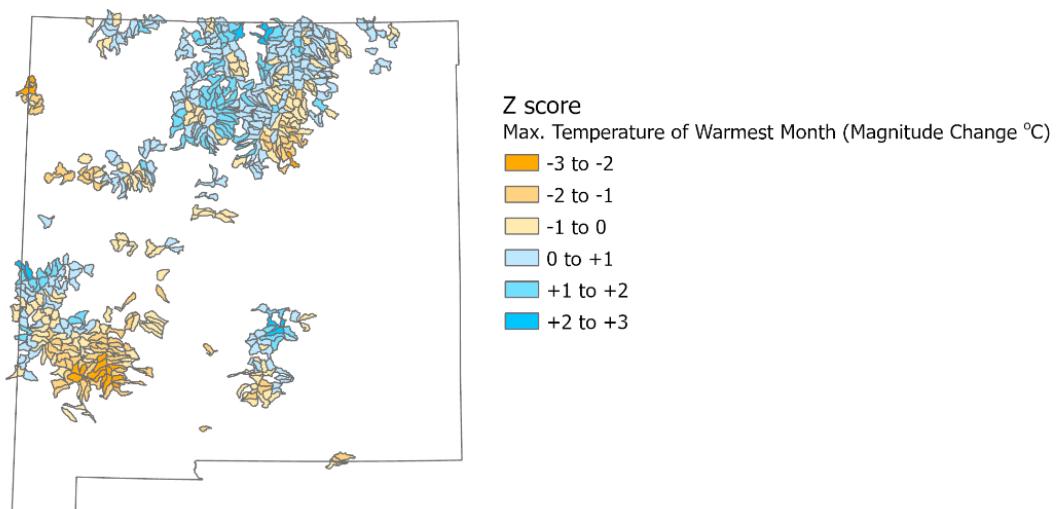
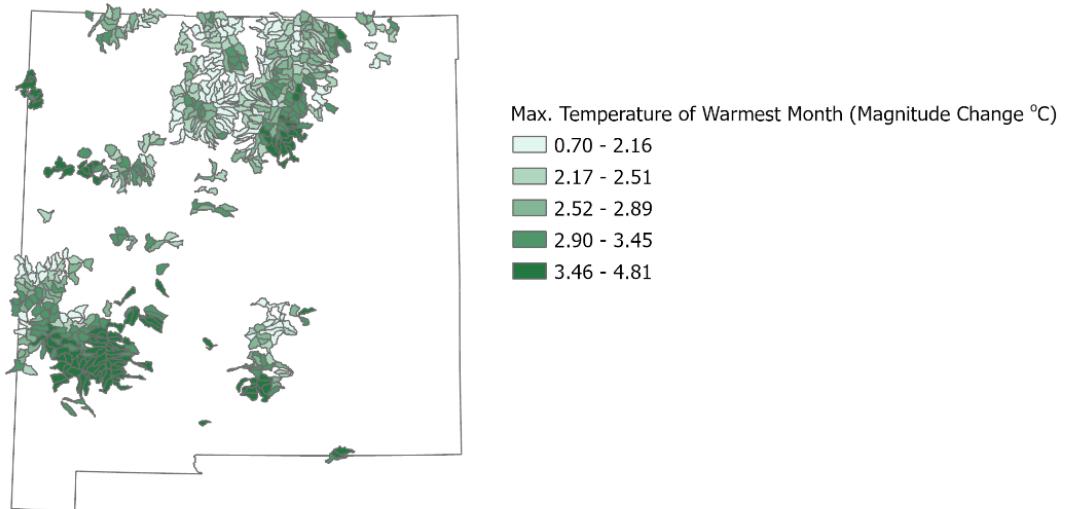
Final HUC12 composite scores for aquatic macrorefugia and hydrorefugia by habitat groups. Macrorefugia are areas with sustained climatic suitability across broad spatial and temporal gradients. Hydrorefugia are areas where local features maintain the stability of water volume and/or quality.



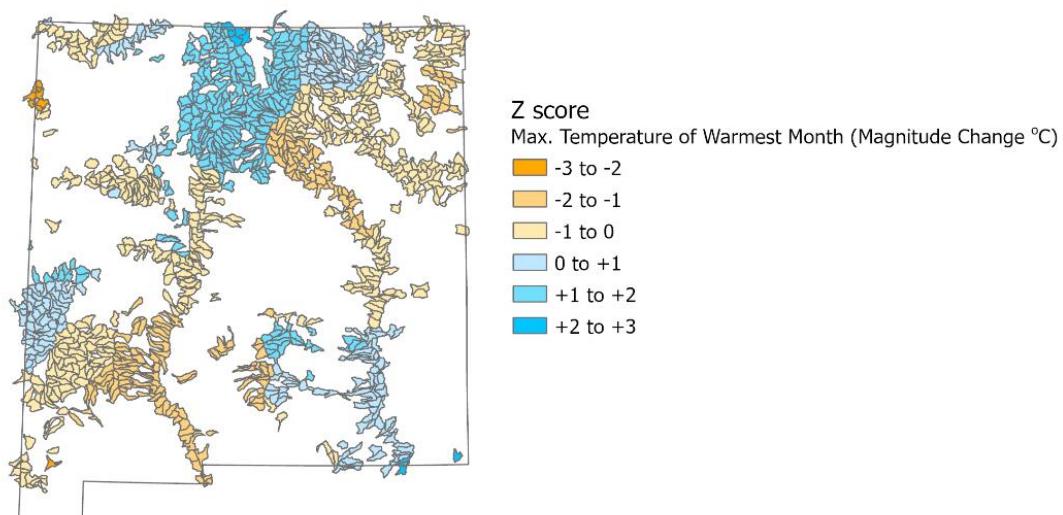
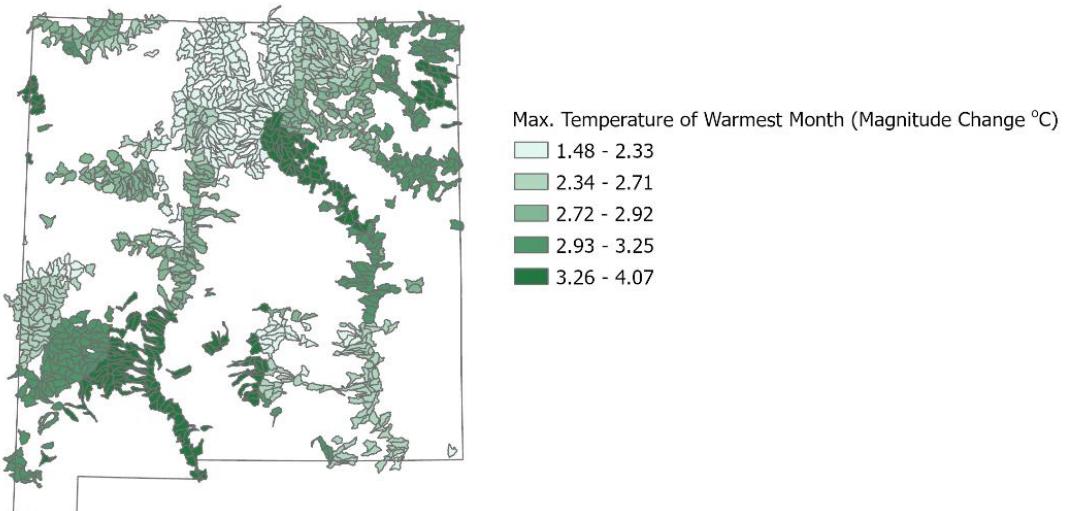
Distribution of Final Variables and Corresponding Z-Scores

Macrorefugia Variables

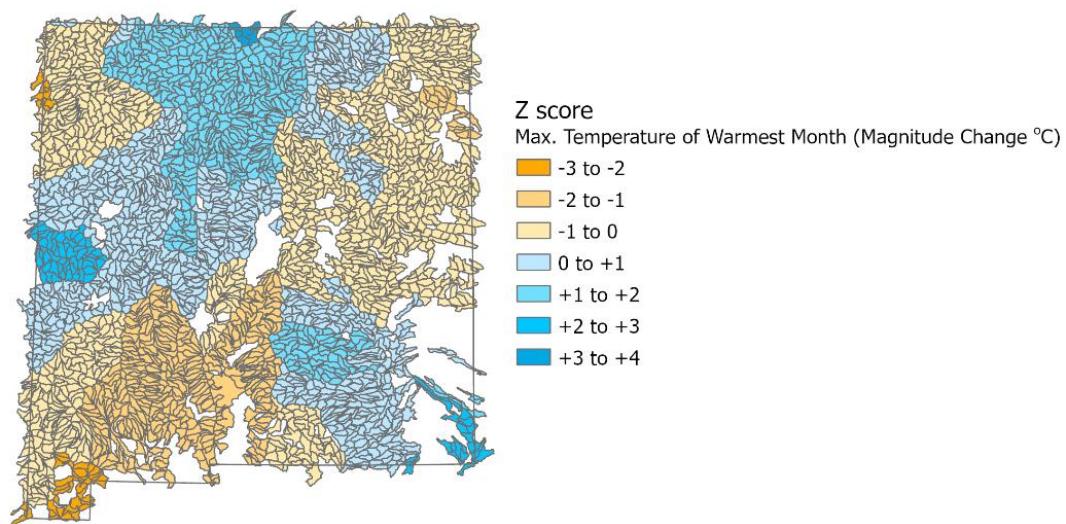
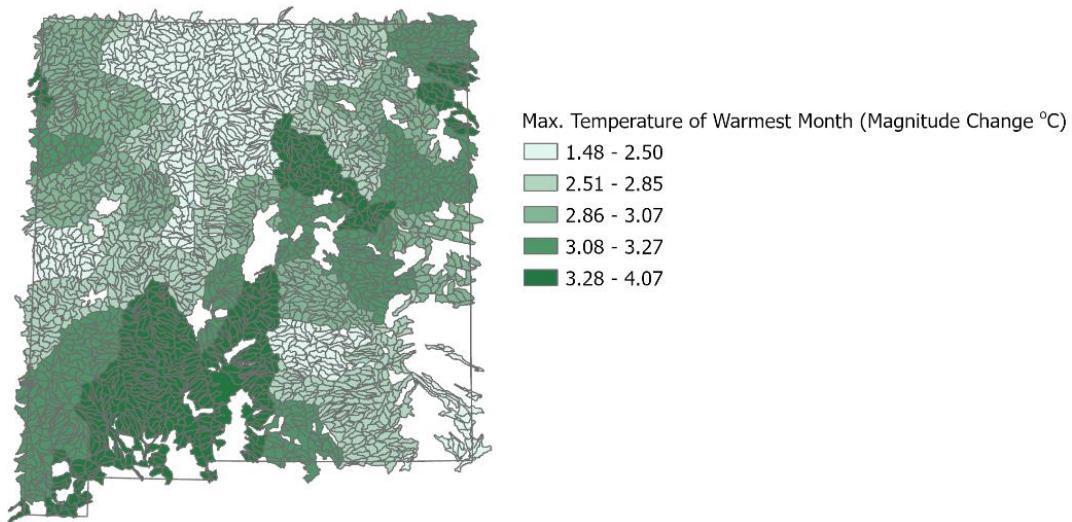
Cold-Water Fish Habitat



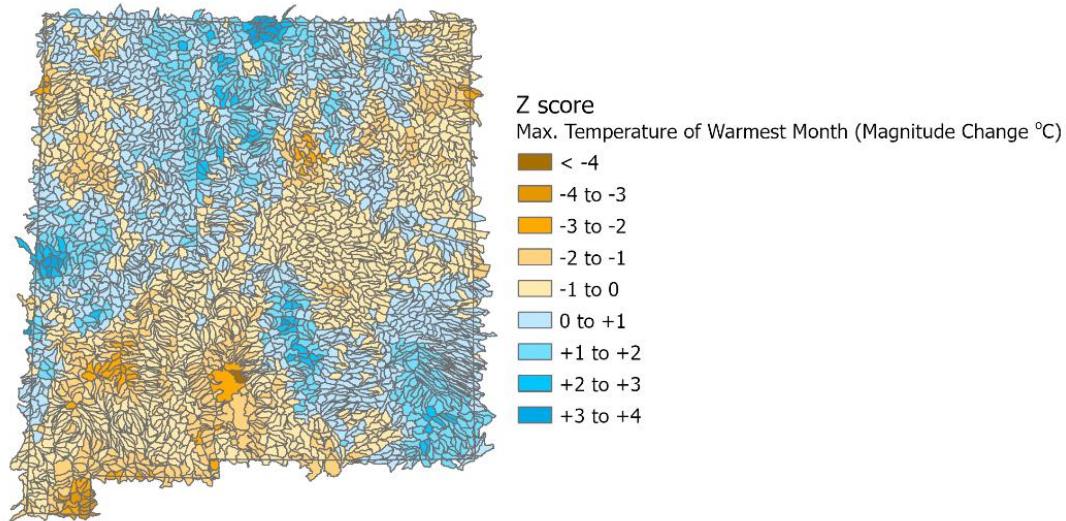
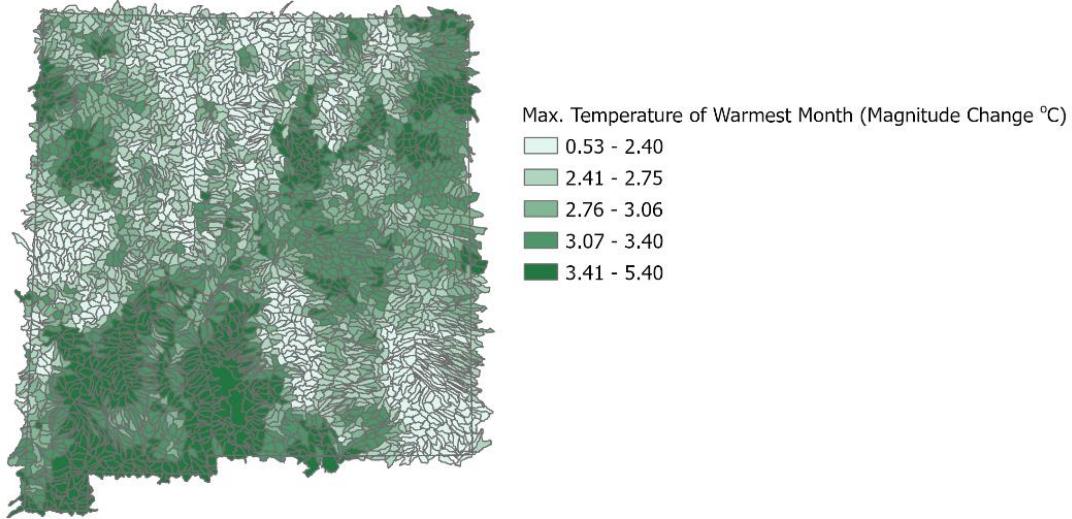
Perennial Streams



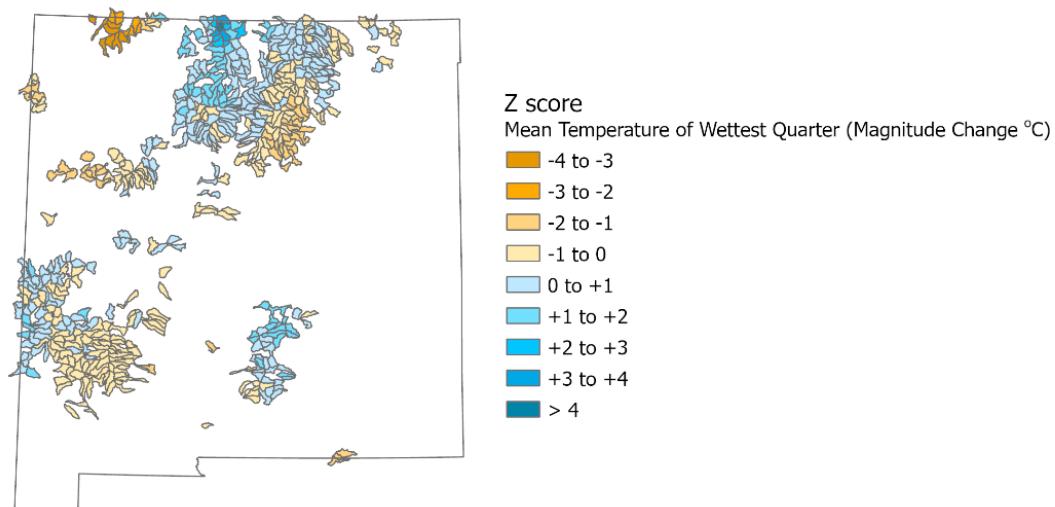
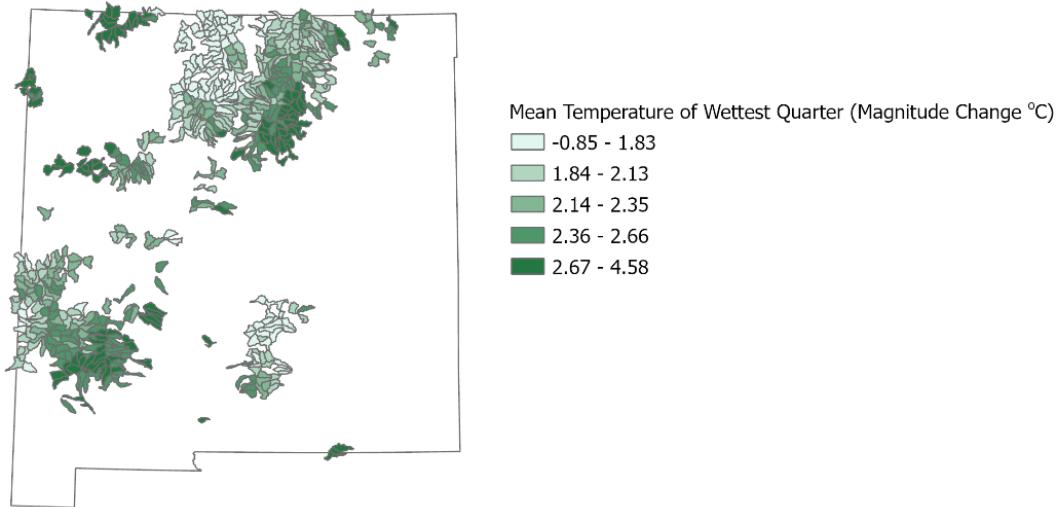
Amphibian and Reptile Habitat



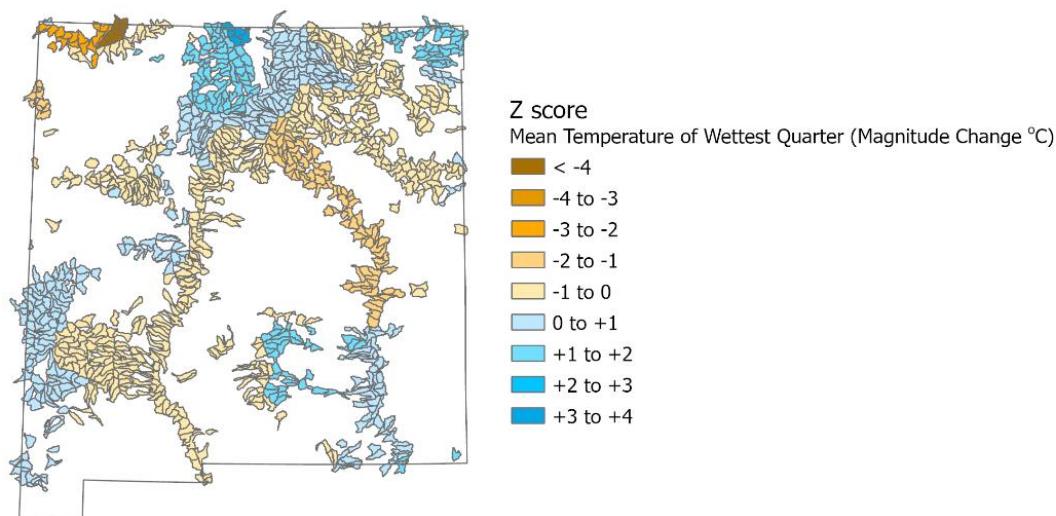
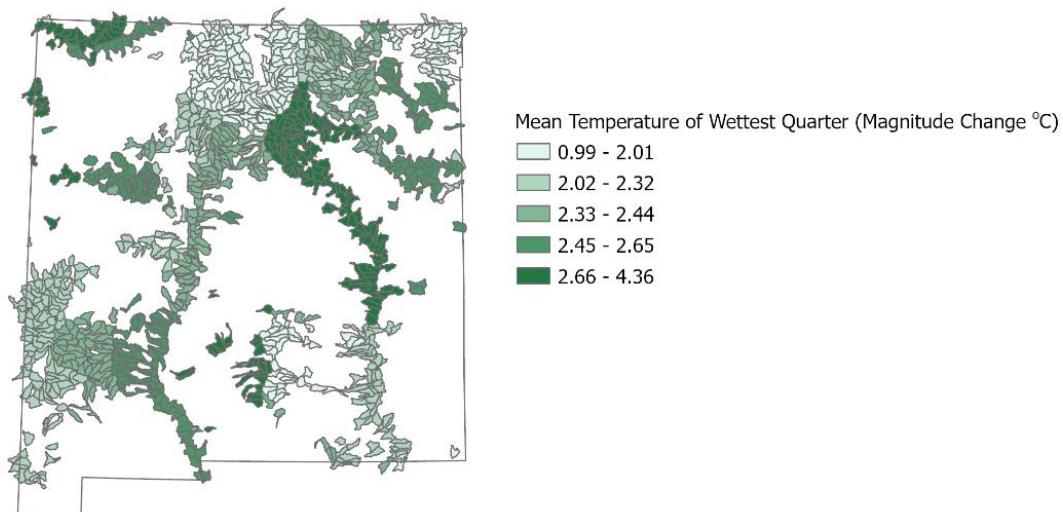
Ephemeral Catchments



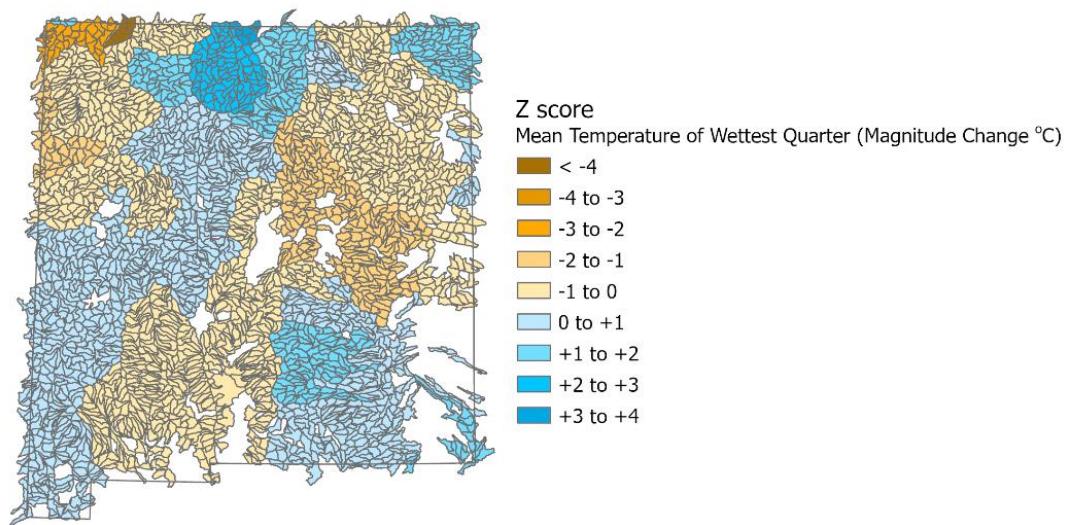
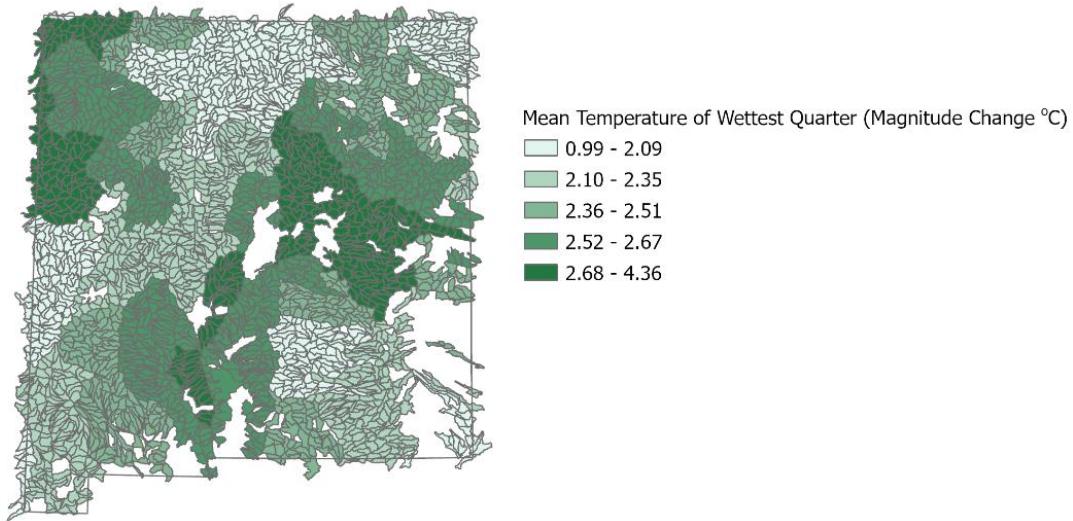
Cold-Water Fish Habitat



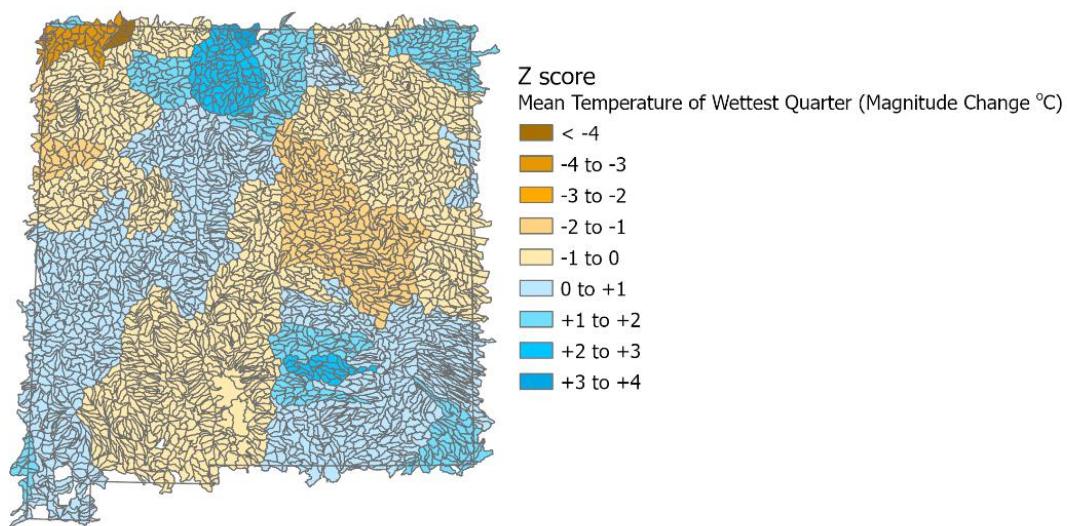
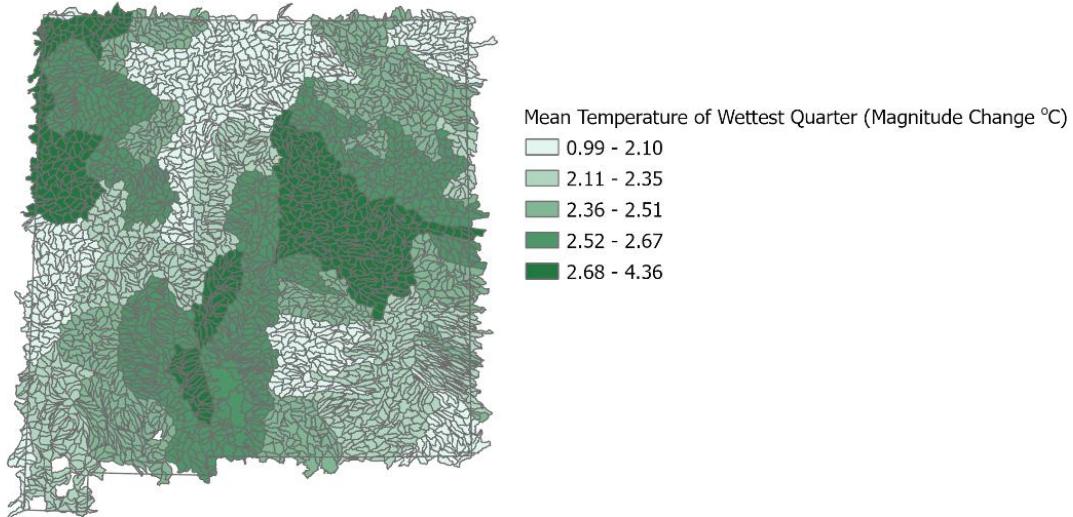
Perennial Streams



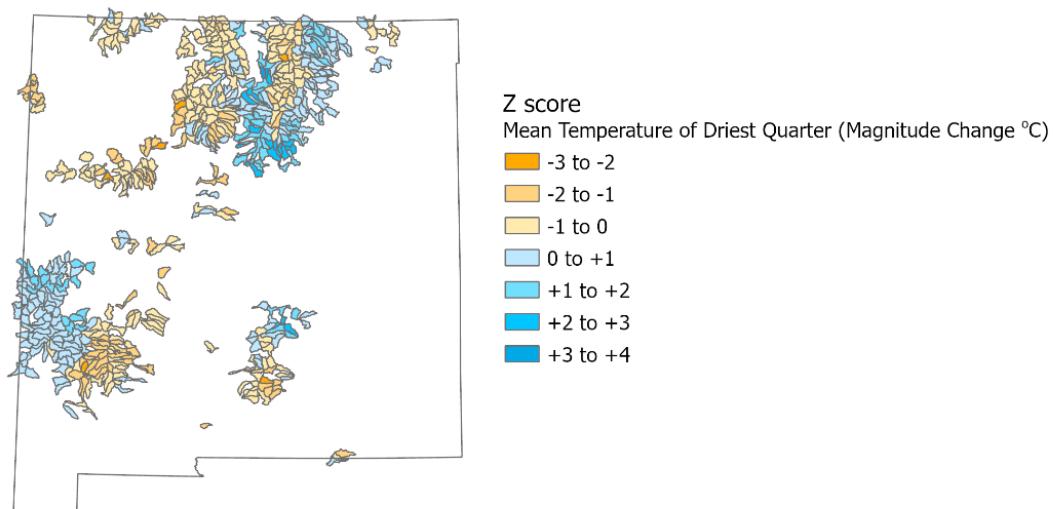
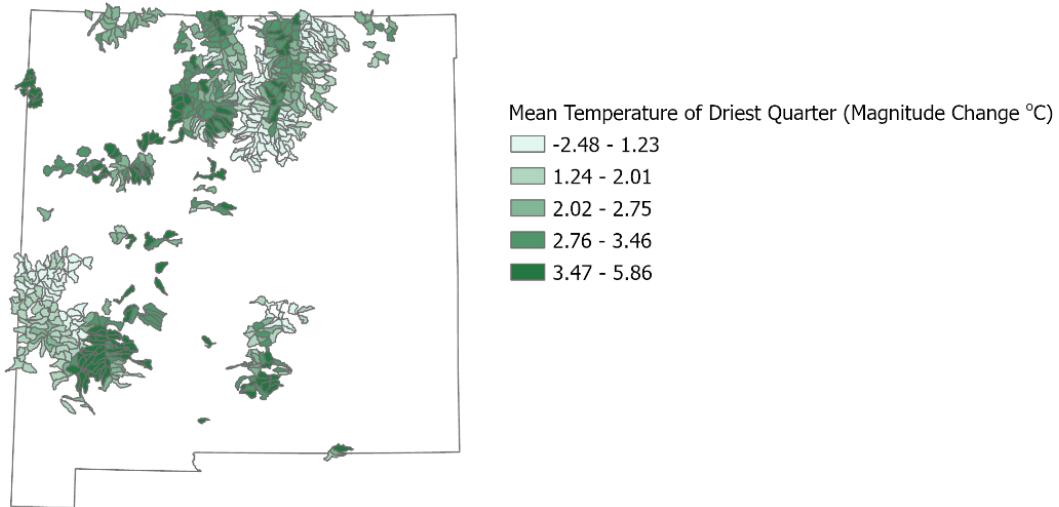
Amphibian and Reptile Habitat



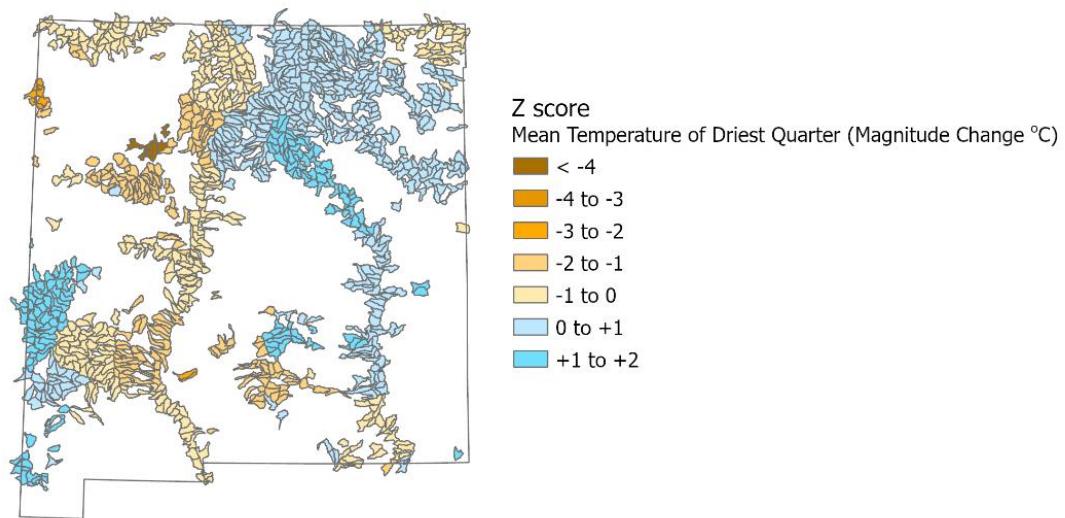
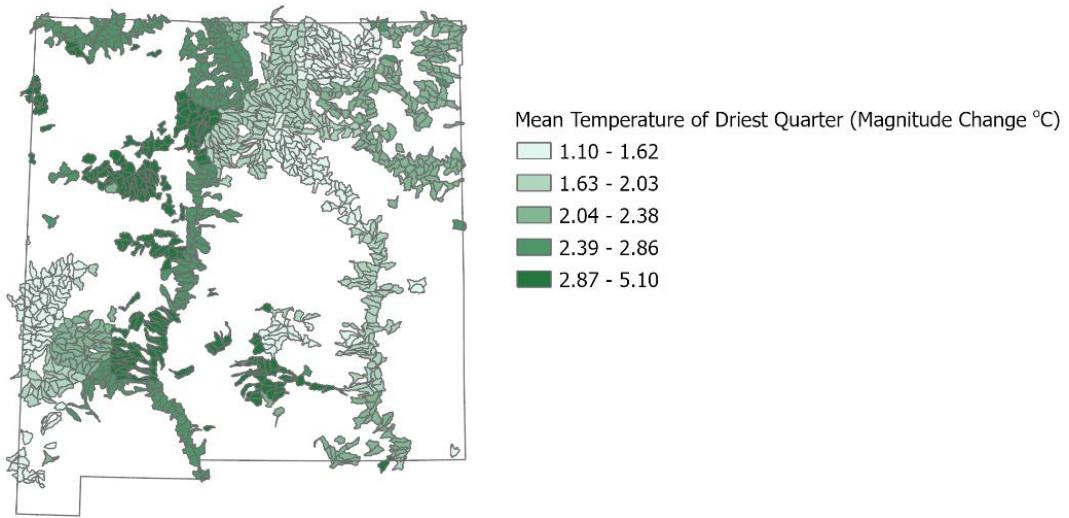
Springs



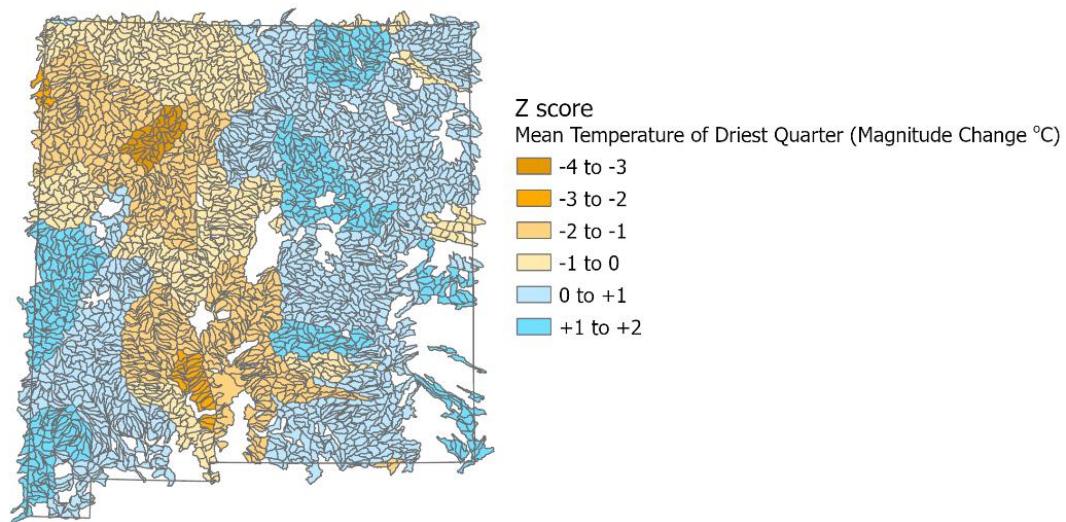
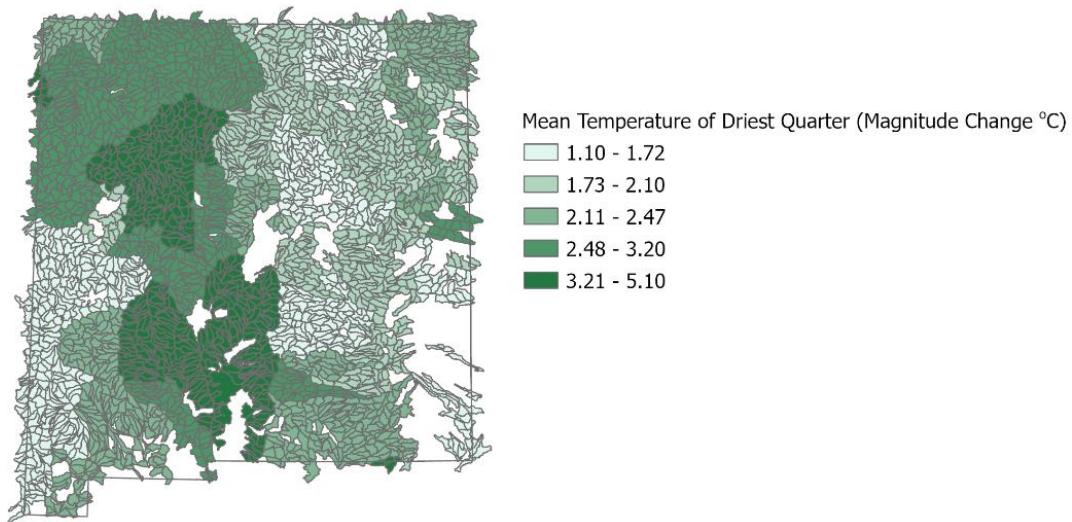
Cold-Water Fish Habitat



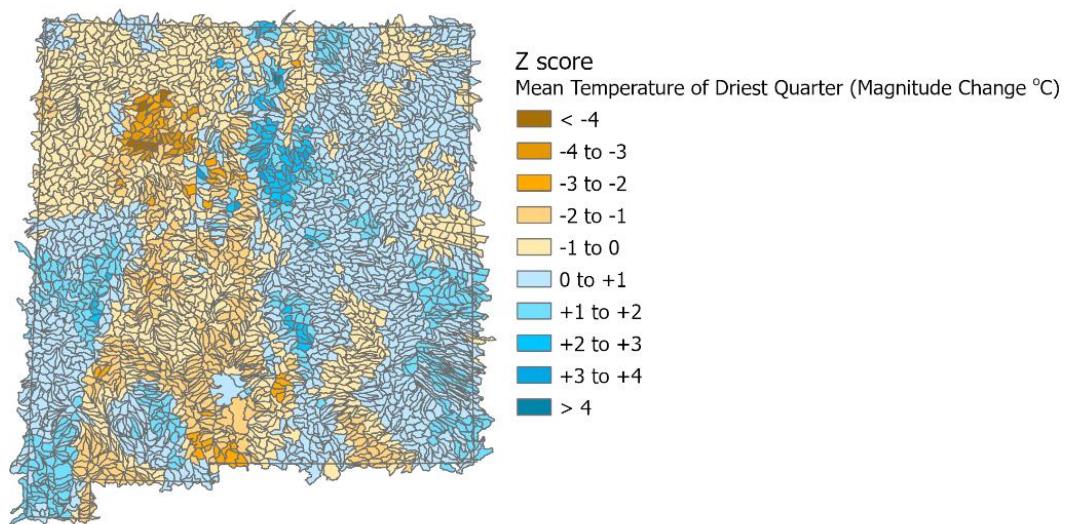
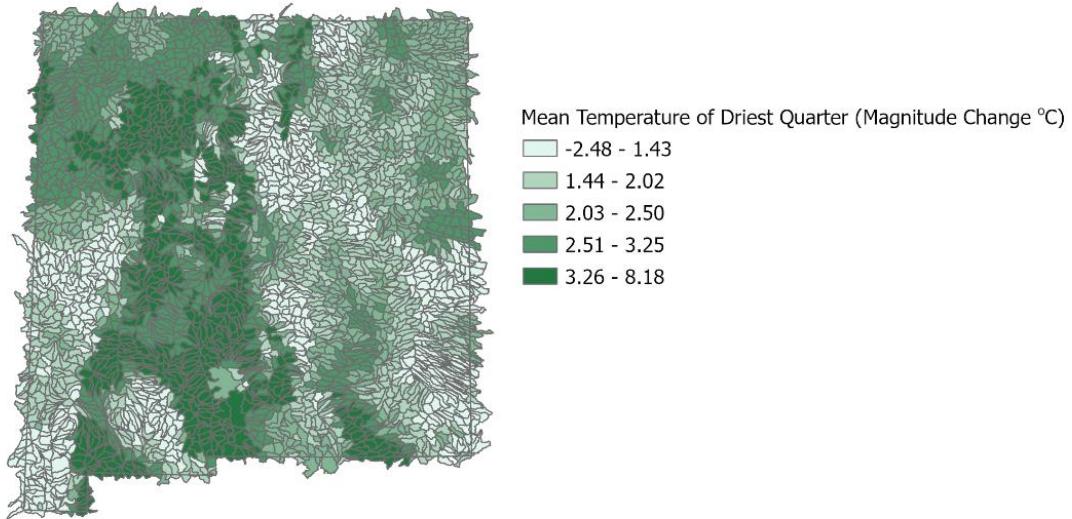
Perennial Streams



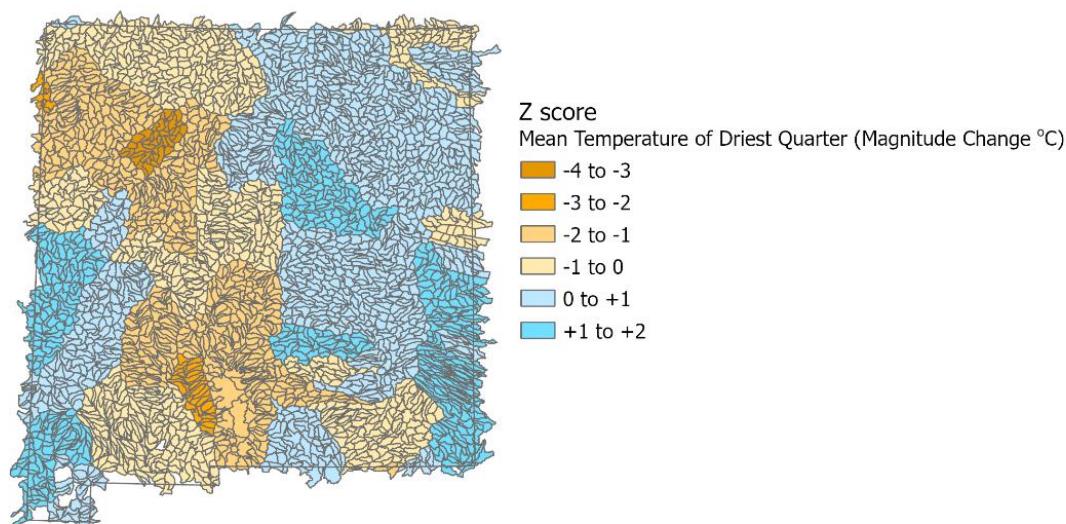
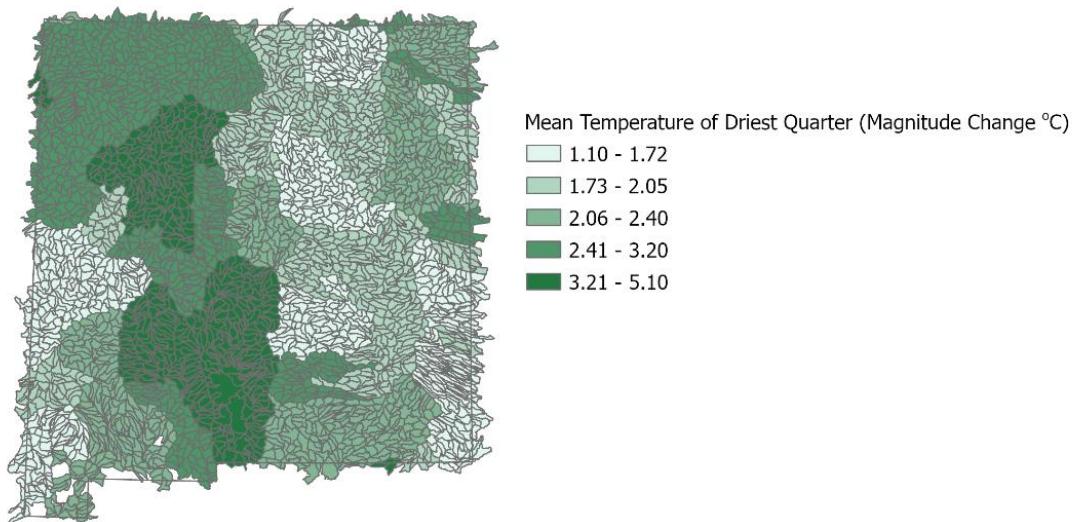
Amphibian and Reptile Habitat



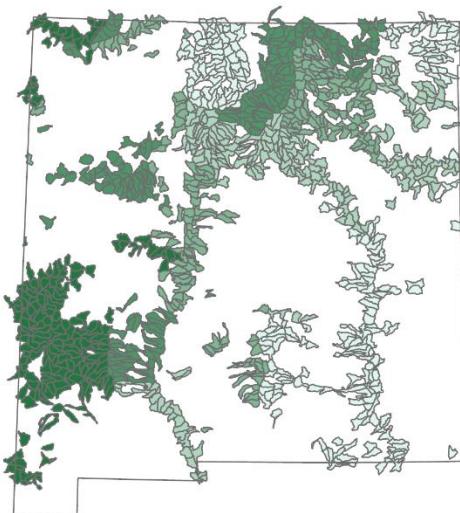
Ephemeral Catchments



Springs

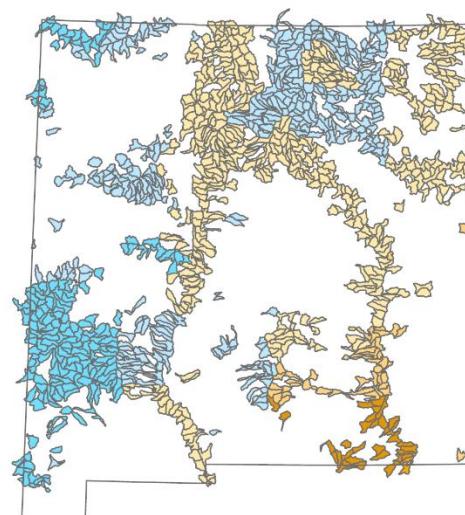


Perennial Streams



Percent Change in Precipitation of Wettest Month

Color Range	Percent Change Range
Lightest Green	-20.99 - -3.68
Medium Green	-3.67 - -1.68
Darker Green	-1.67 - 0.66
Dark Green	0.67 - 4.68
Darkest Green	4.69 - 12.31

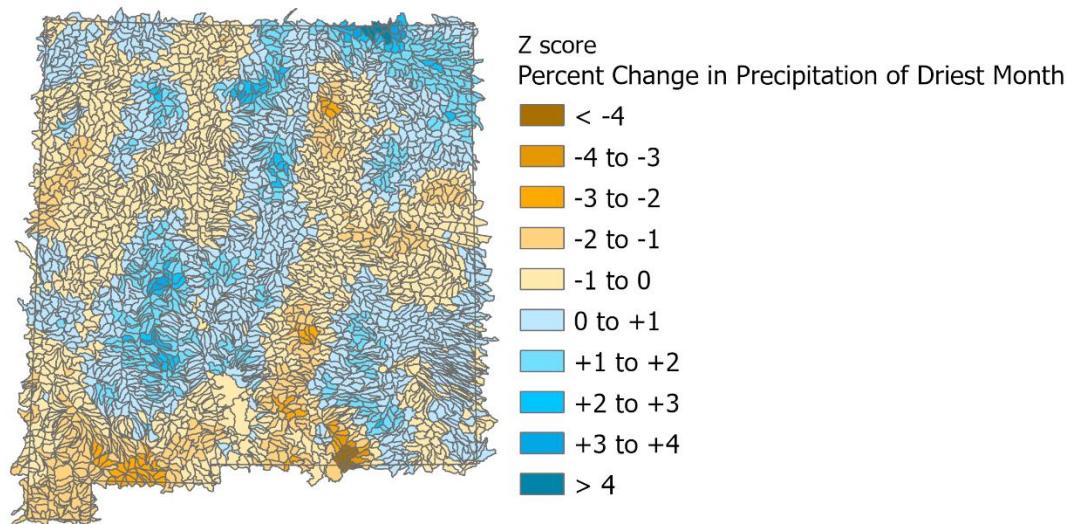
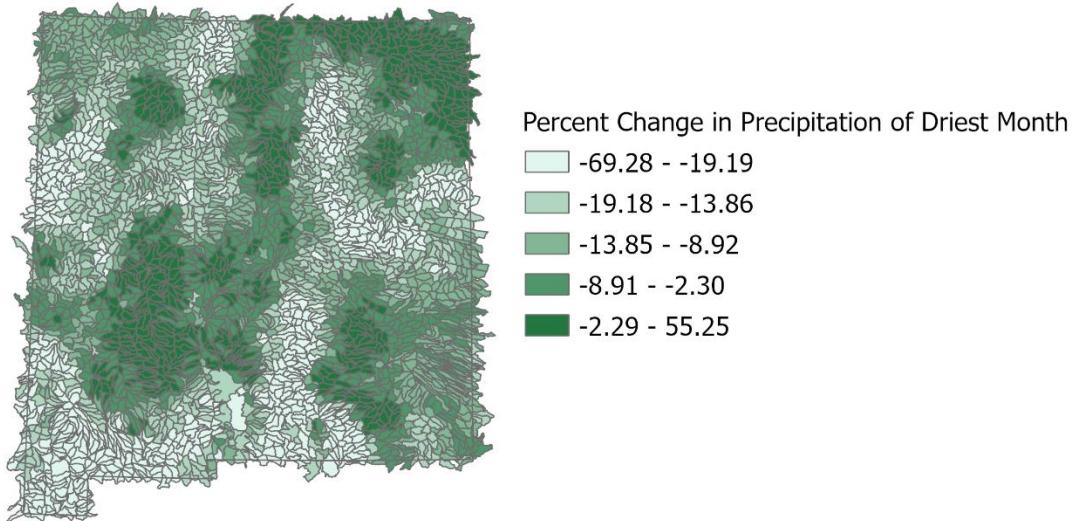


Z score

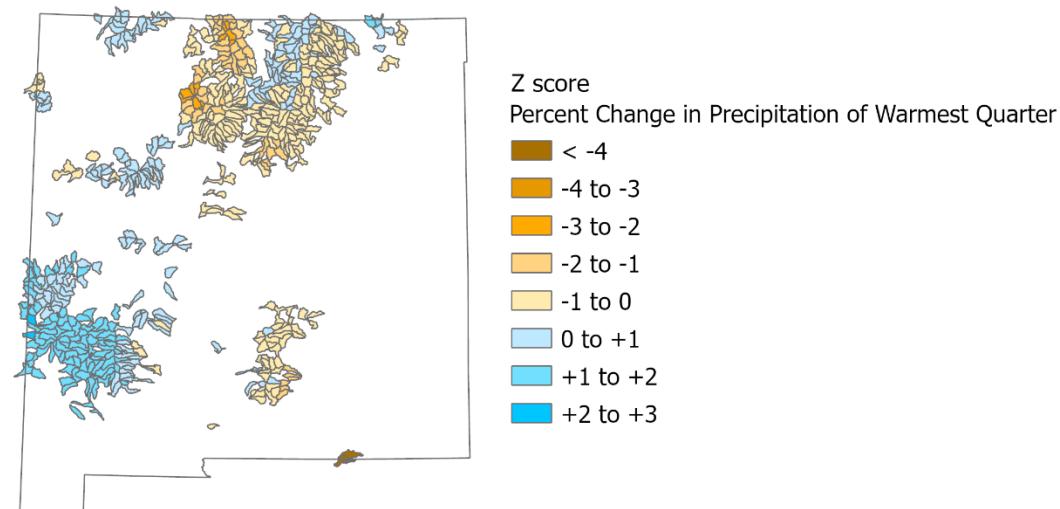
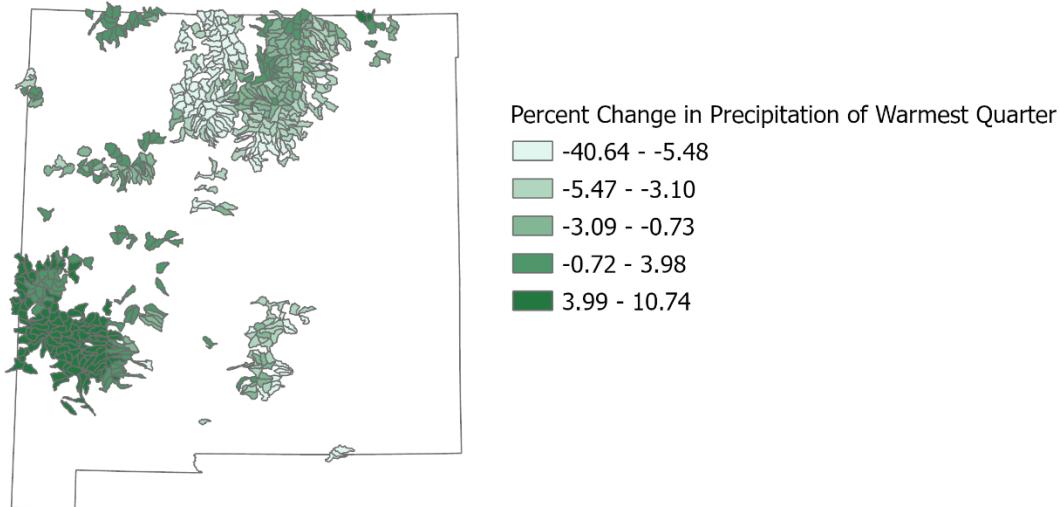
Percent Change in Precipitation of Wettest Month

Z score Range	Percent Change Range
-4 to -3	-20.99 - -3.68
-3 to -2	-3.67 - -1.68
-2 to -1	-1.67 - 0.66
-1 to 0	0.67 - 4.68
0 to +1	4.69 - 12.31
+1 to +2	+1 to +2

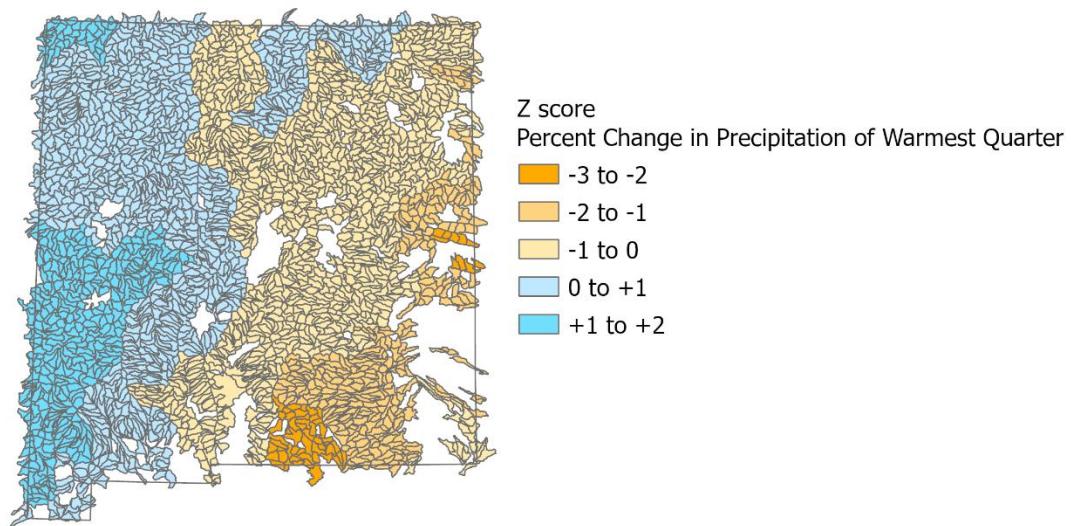
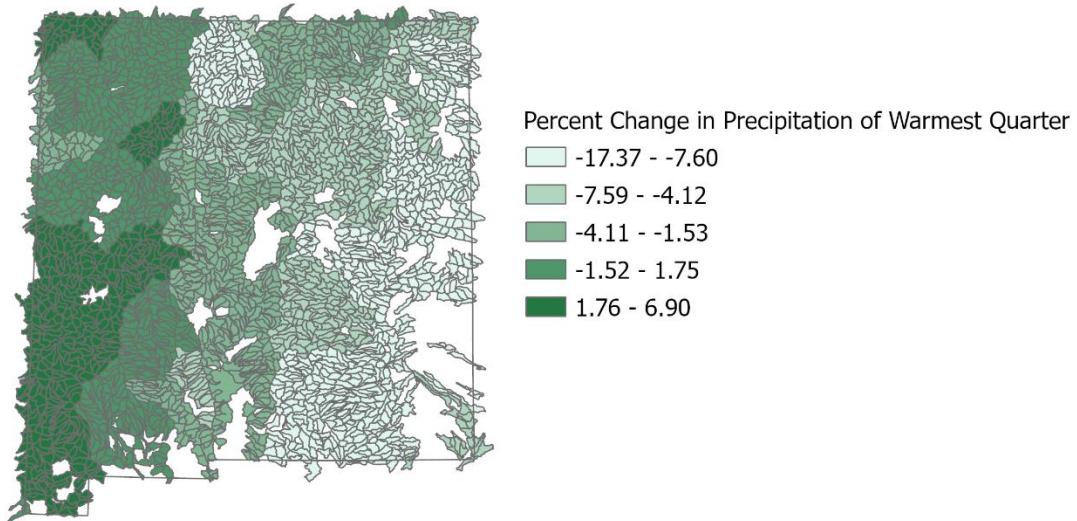
Ephemeral Catchments



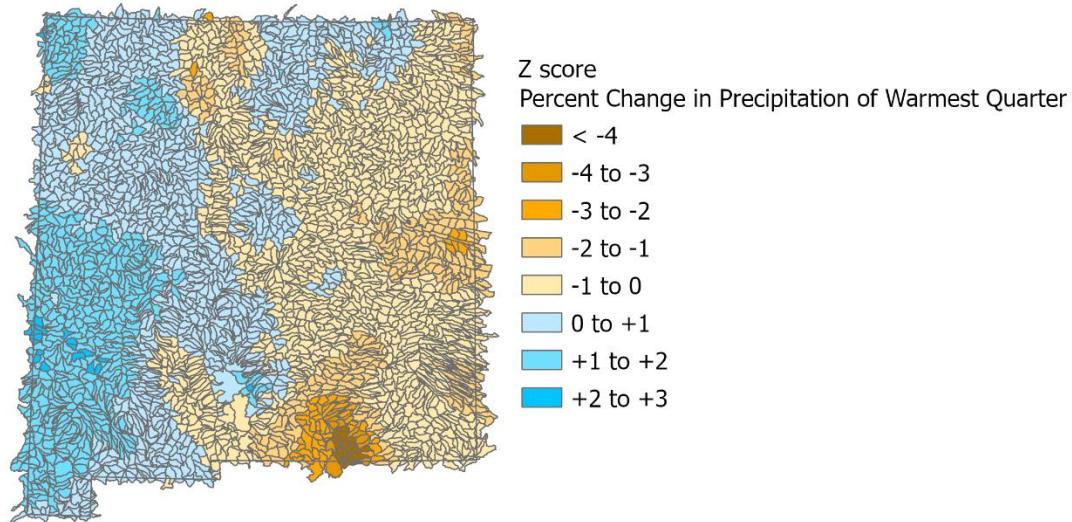
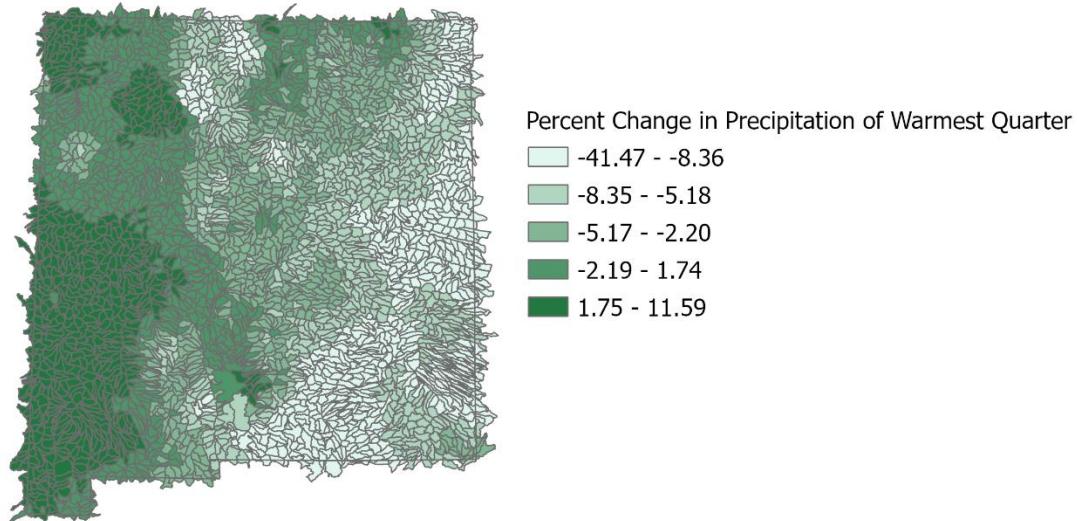
Cold-Water Fish Habitat



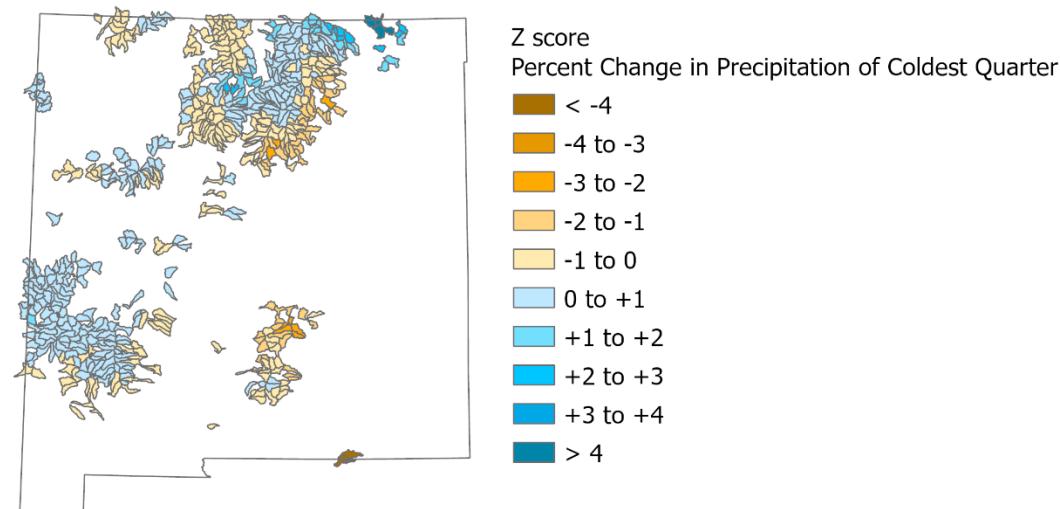
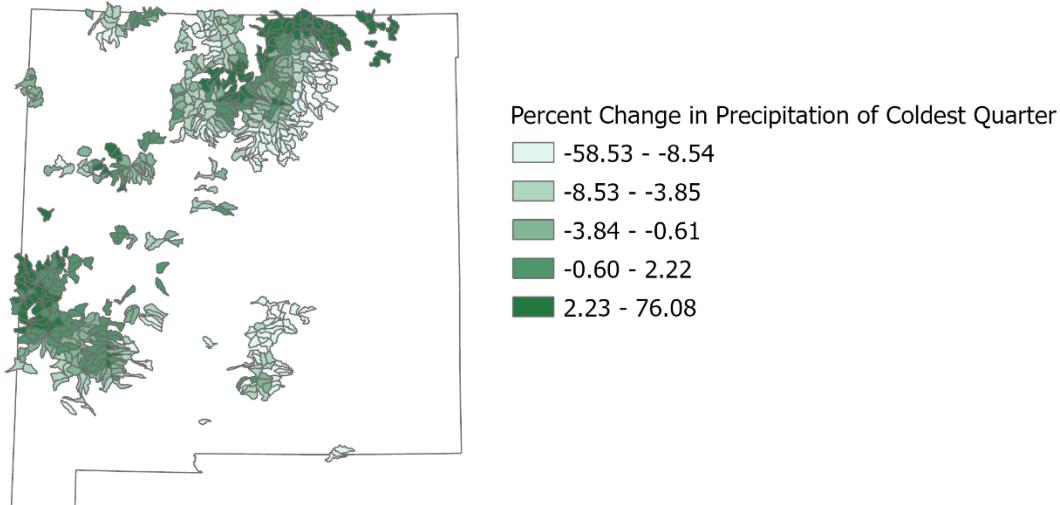
Amphibian and Reptile Habitat



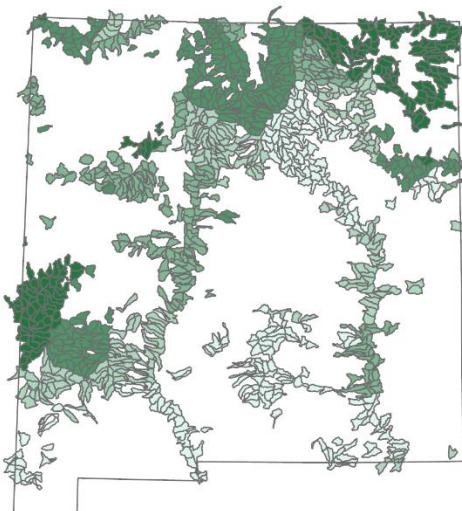
Ephemeral Catchments



Cold-Water Fish Habitat

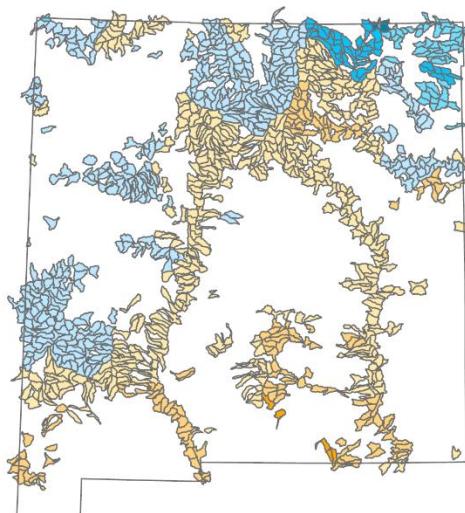


Perennial Streams



Percent Change in Precipitation of Coldest Quarter

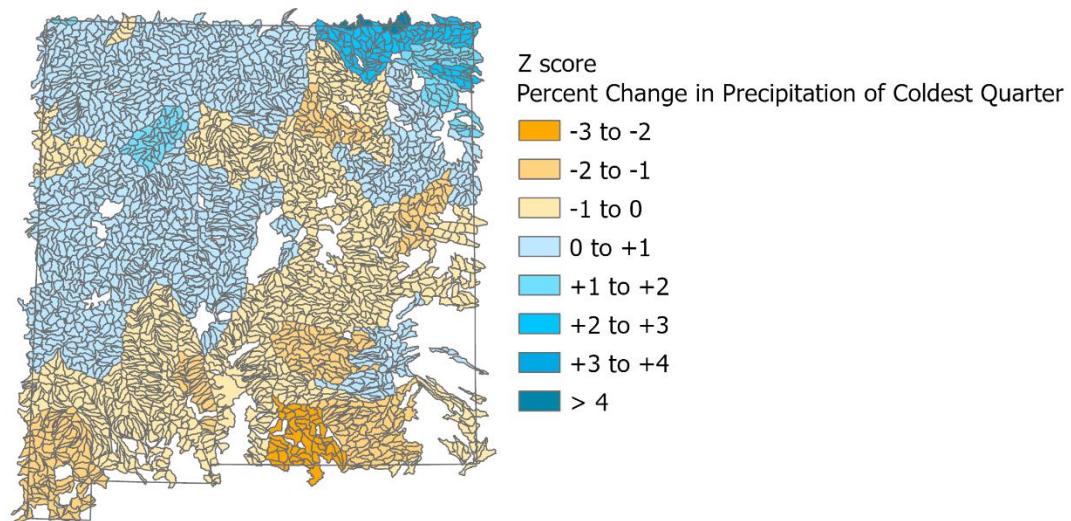
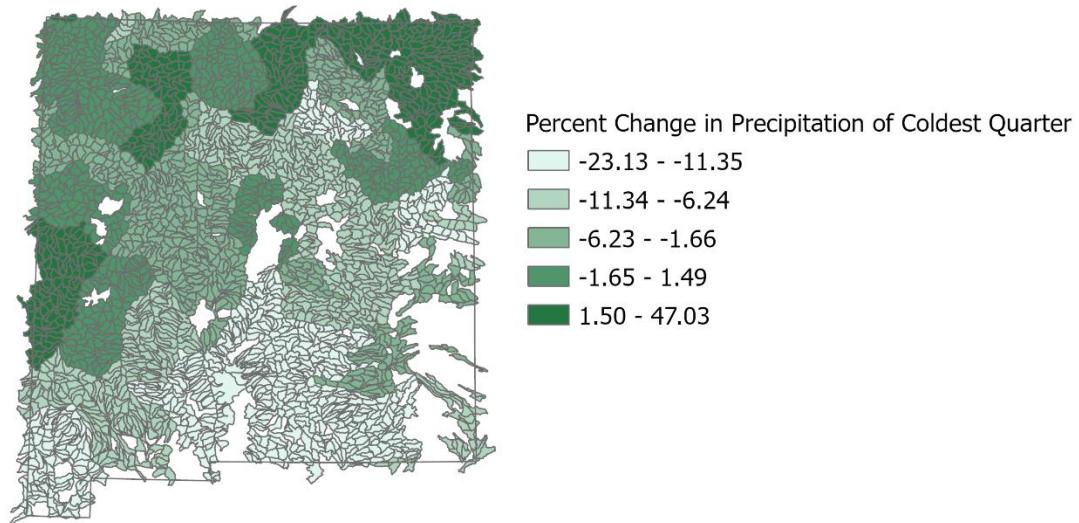
- 23.13 - -11.21
- 11.20 - -5.71
- 5.70 - -1.16
- 1.15 - 2.31
- 2.32 - 47.03



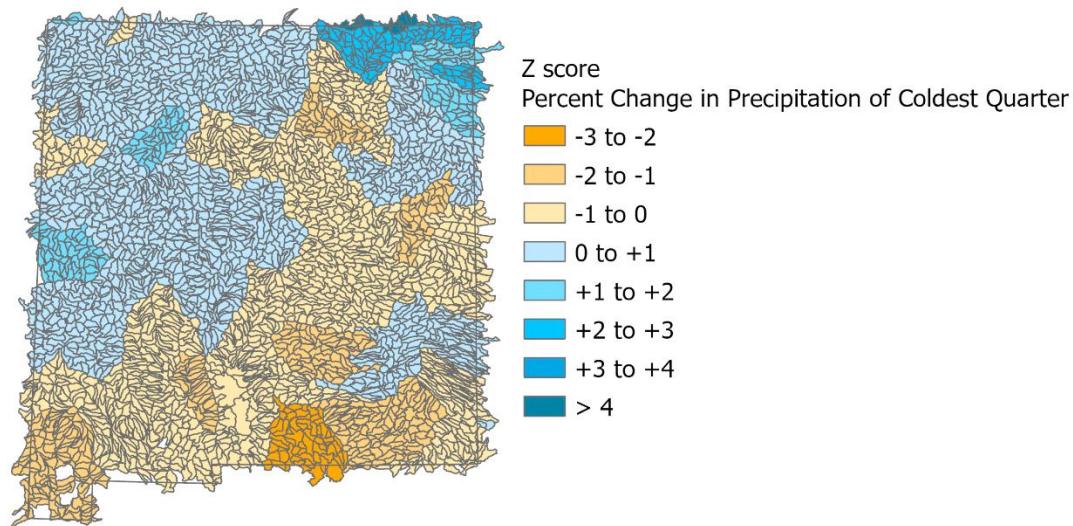
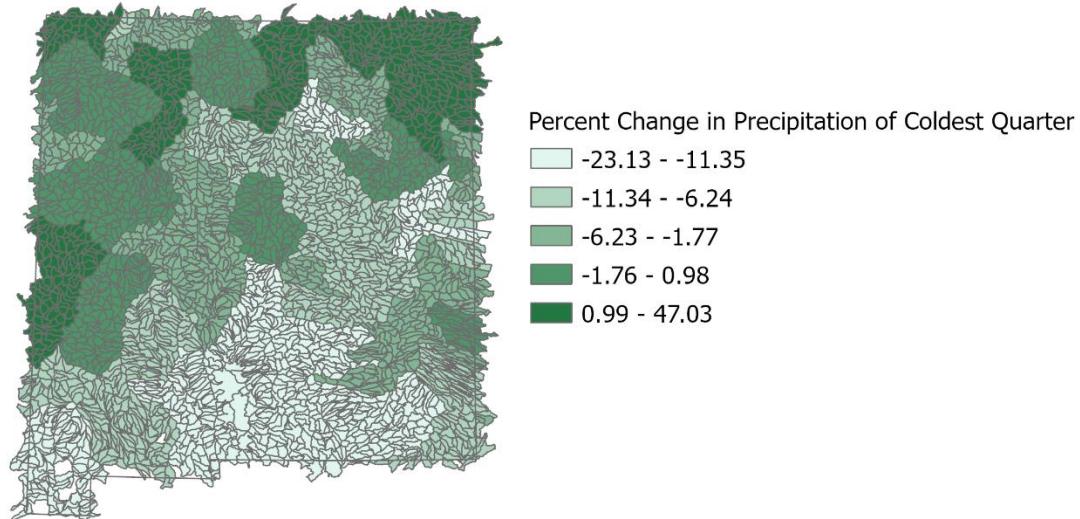
Z score
Percent Change in Precipitation of Coldest Quarter

- 3 to -2
- 2 to -1
- 1 to 0
- 0 to +1
- +1 to +2
- +2 to +3
- +3 to +4
- > 4

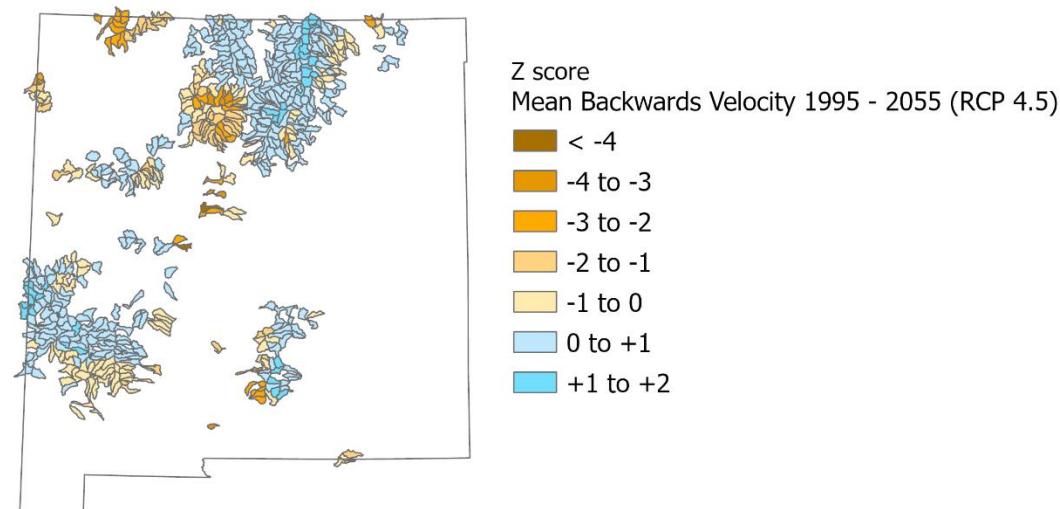
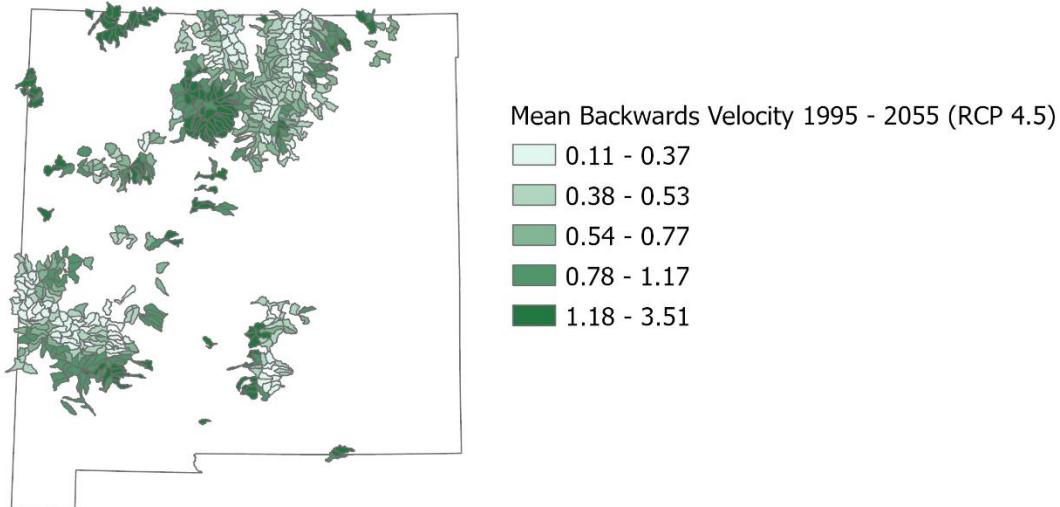
Amphibian and Reptile Habitat



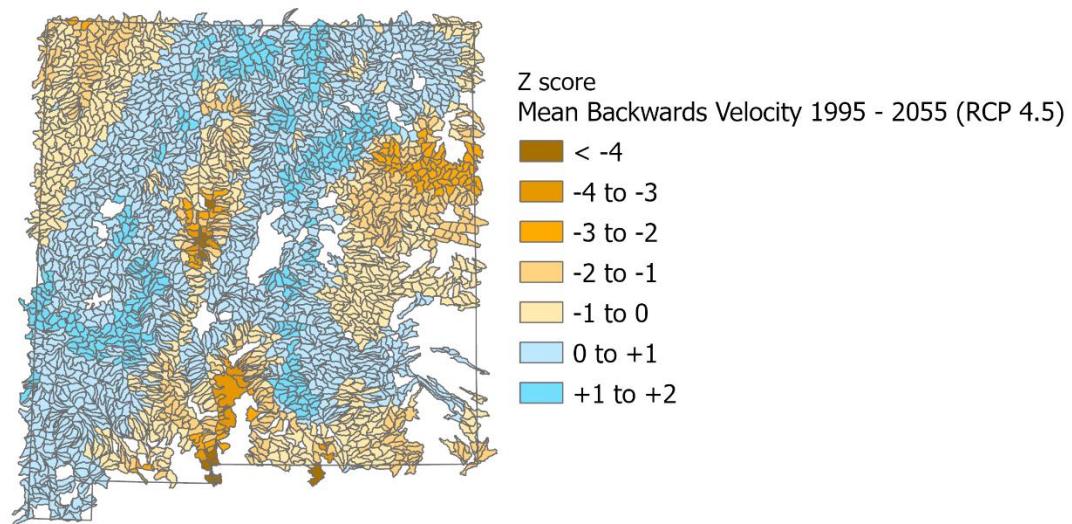
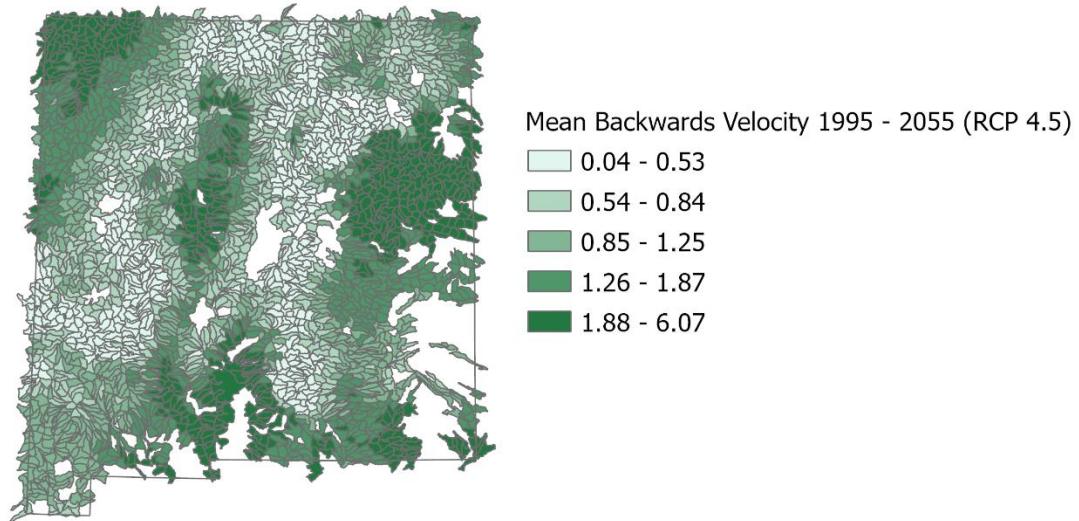
Springs



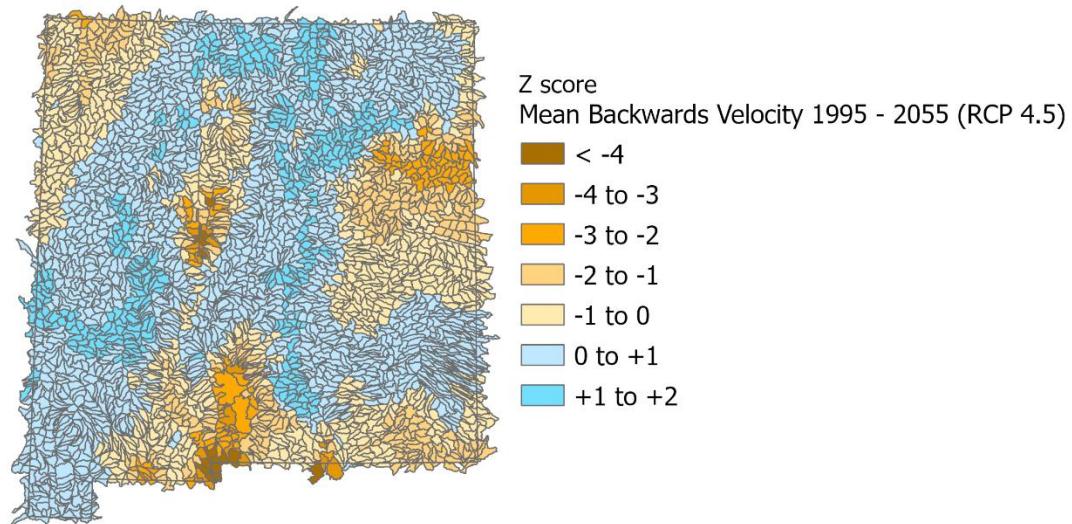
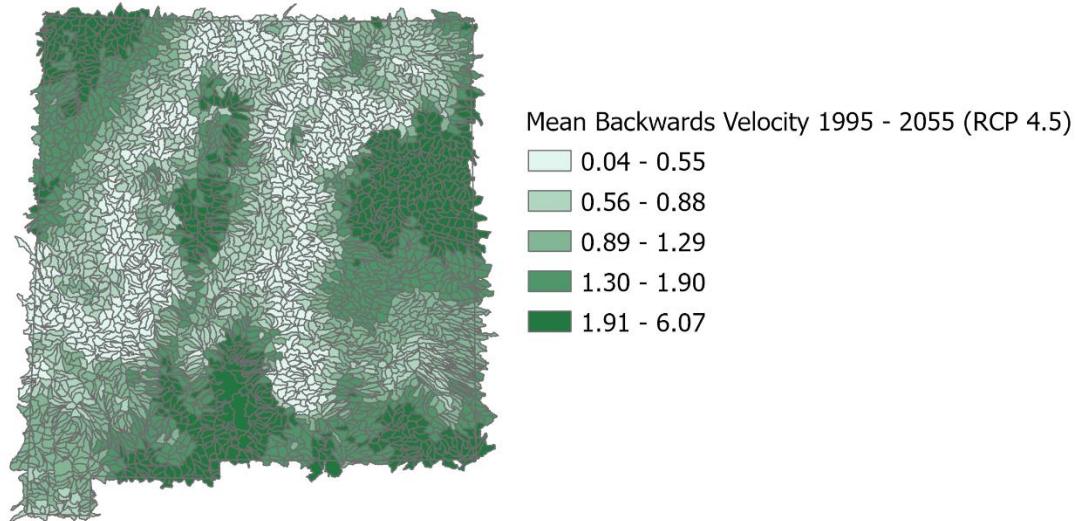
Cold-Water Fish Habitat



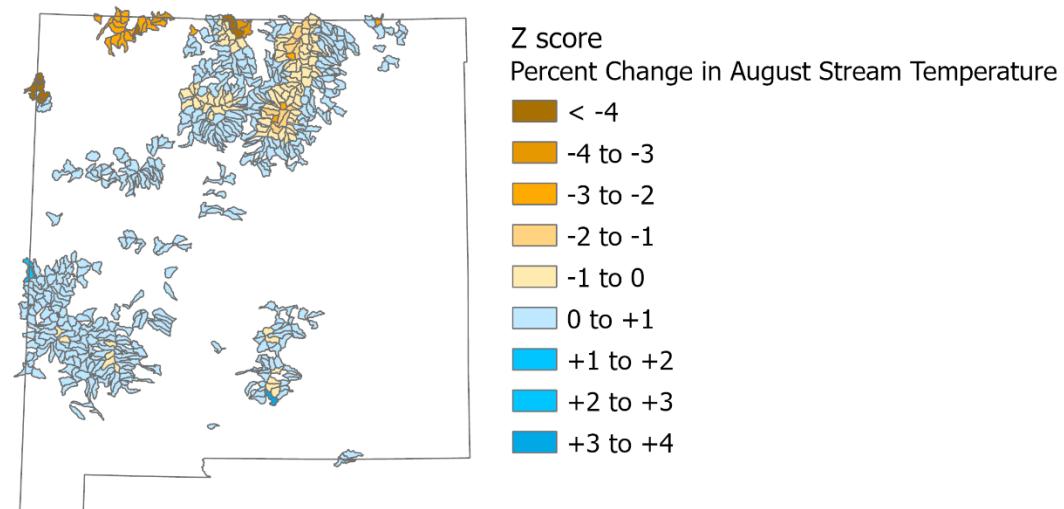
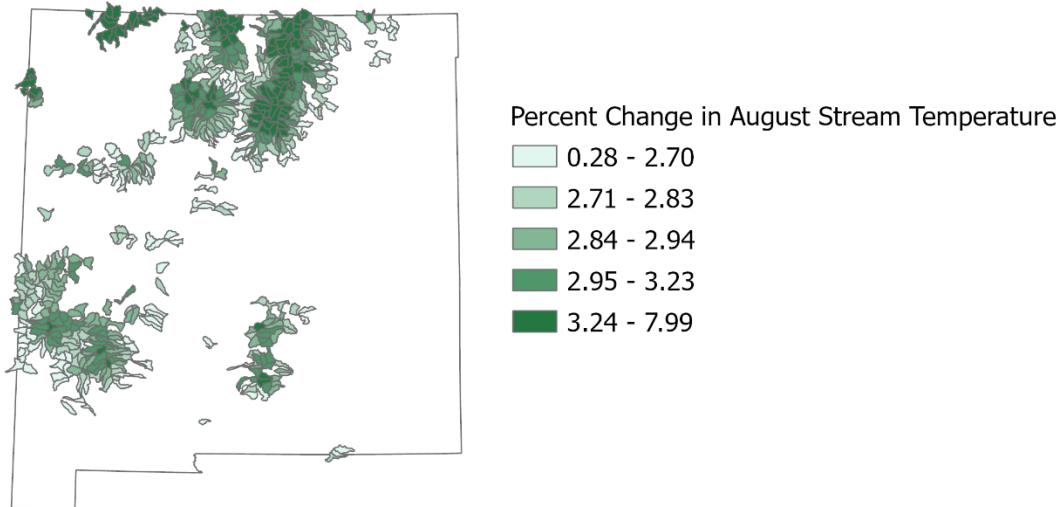
Amphibian and Reptile Habitat



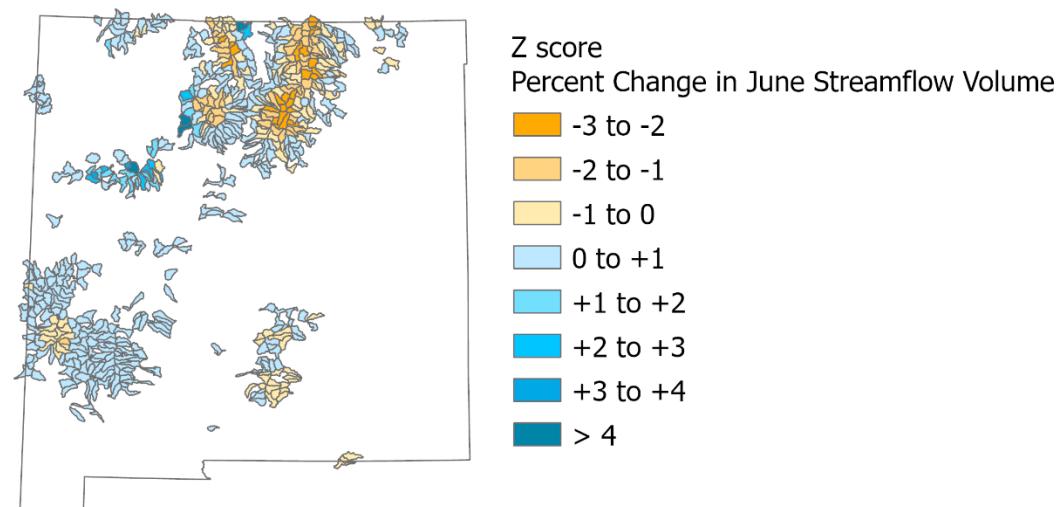
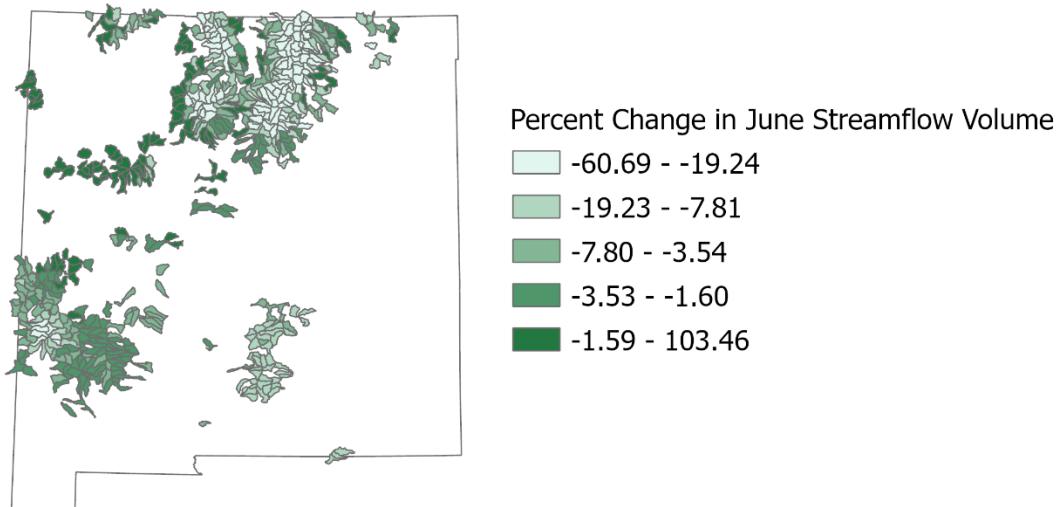
Ephemeral Catchments



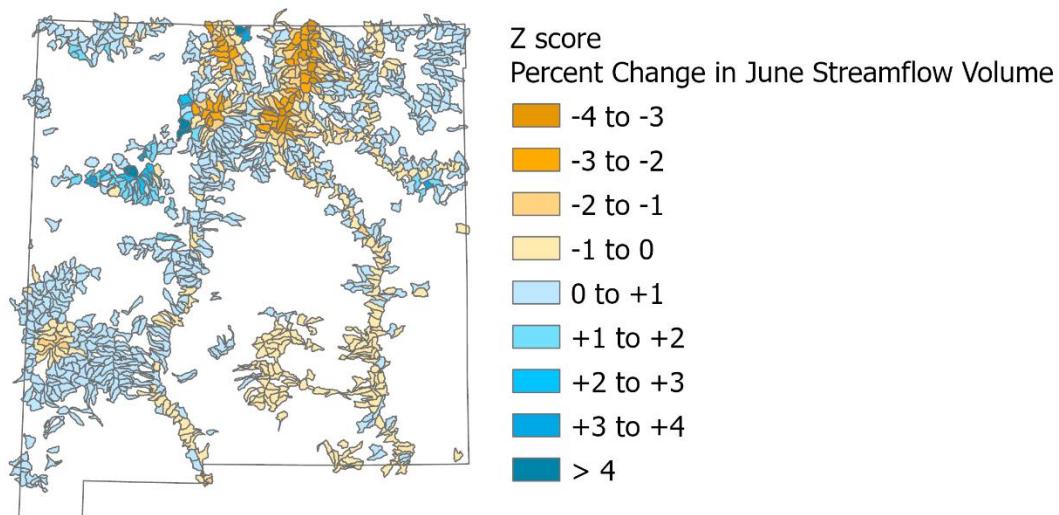
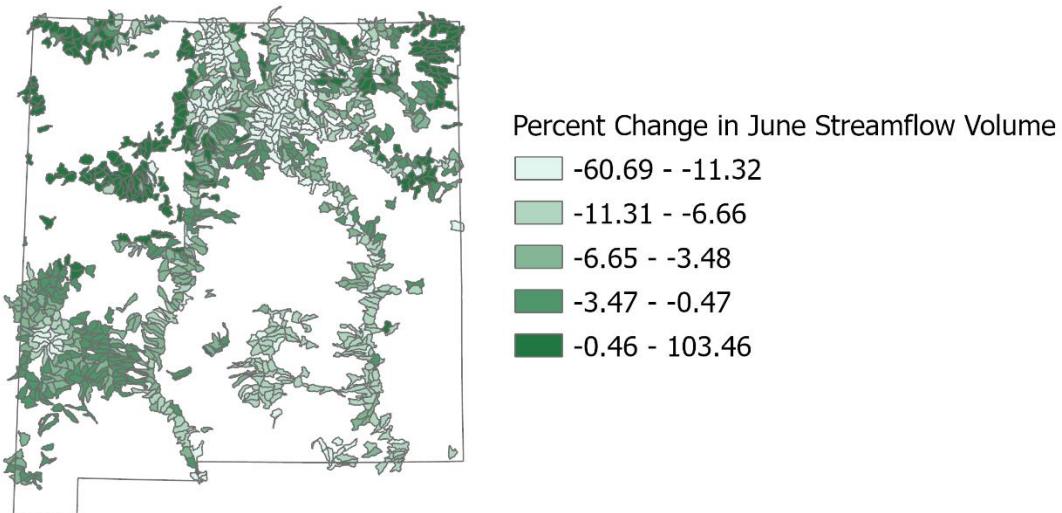
Cold-Water Fish Habitat



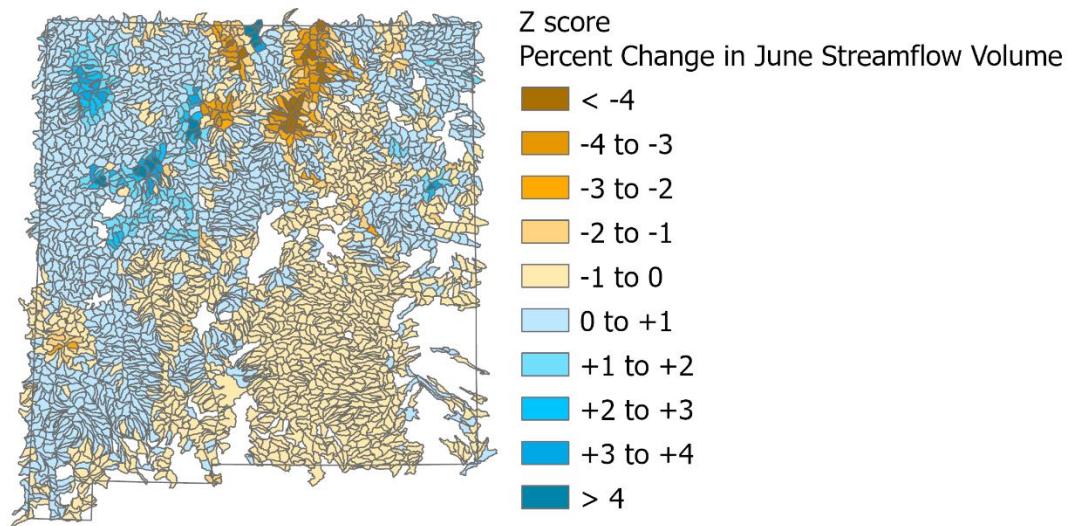
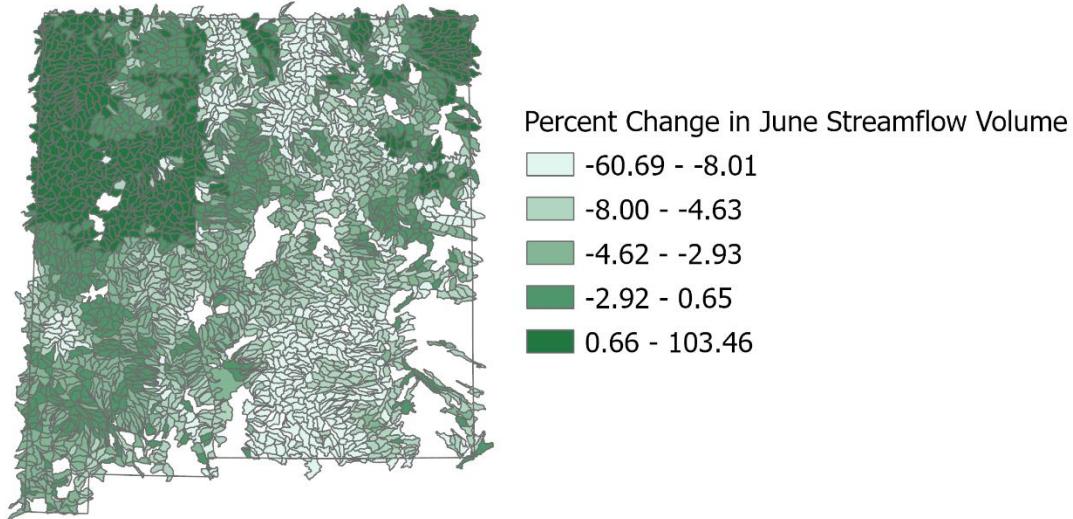
Cold-Water Fish Habitat



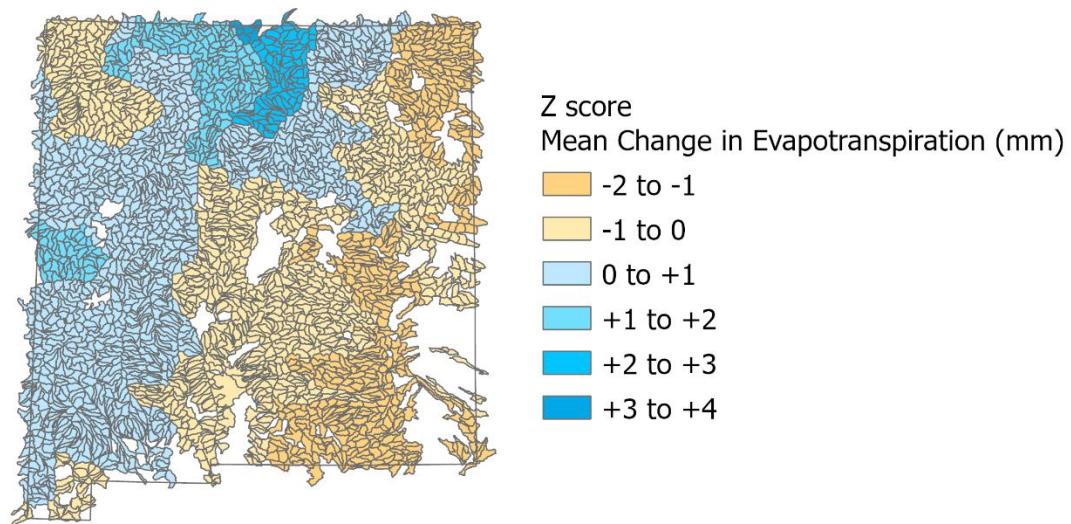
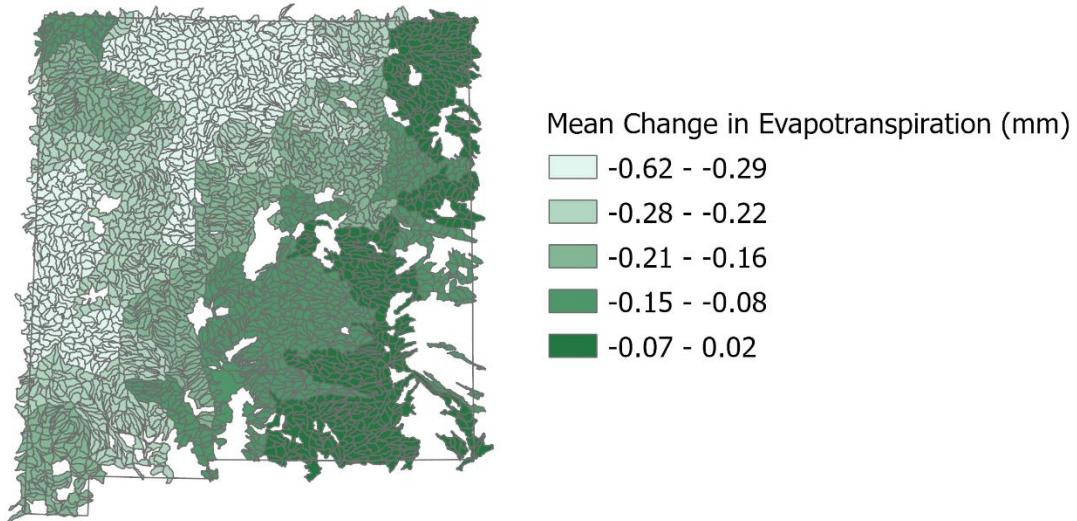
Perennial Streams



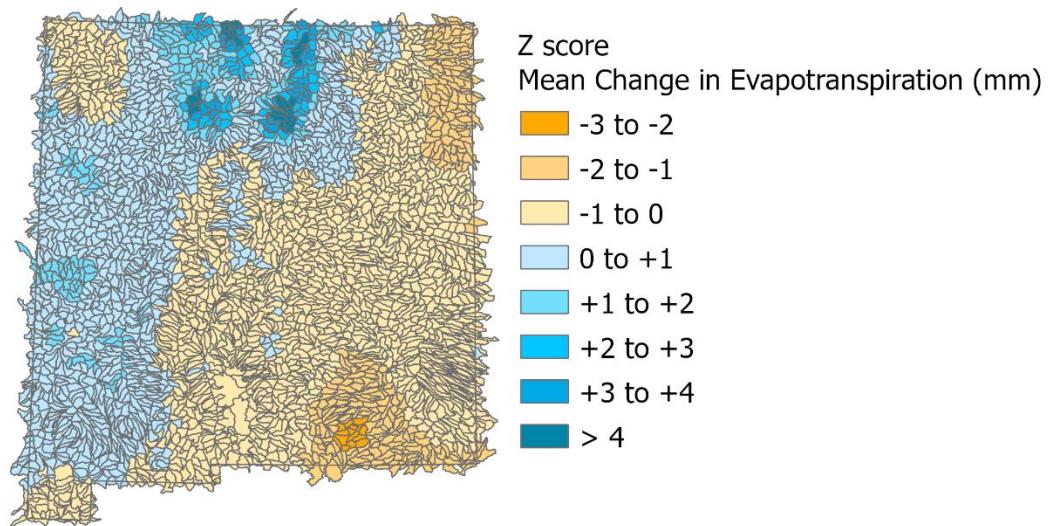
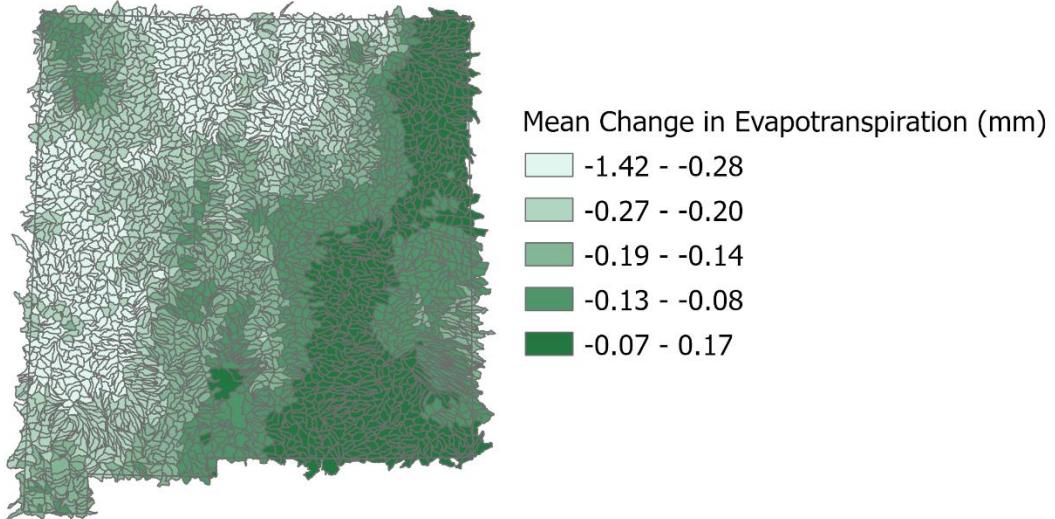
Amphibian and Reptile Habitat



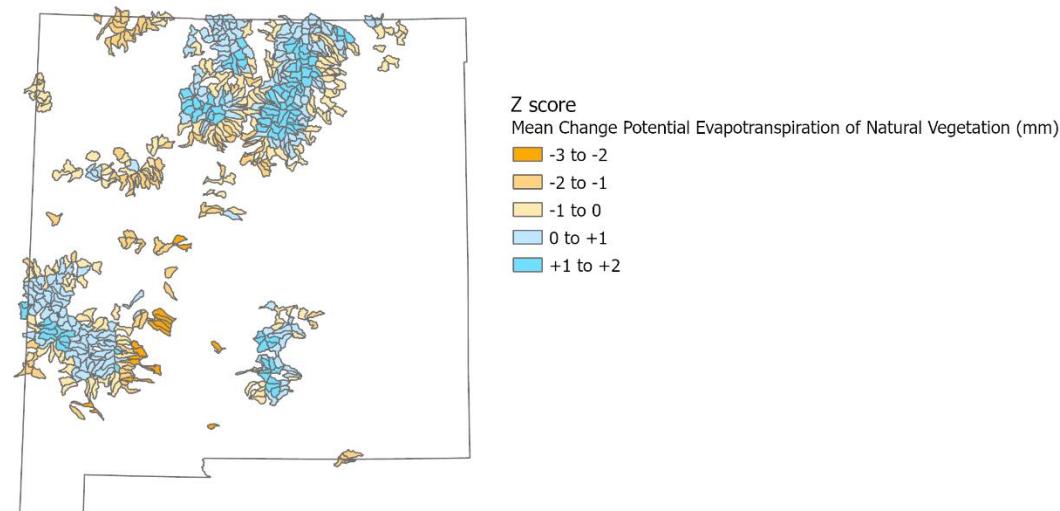
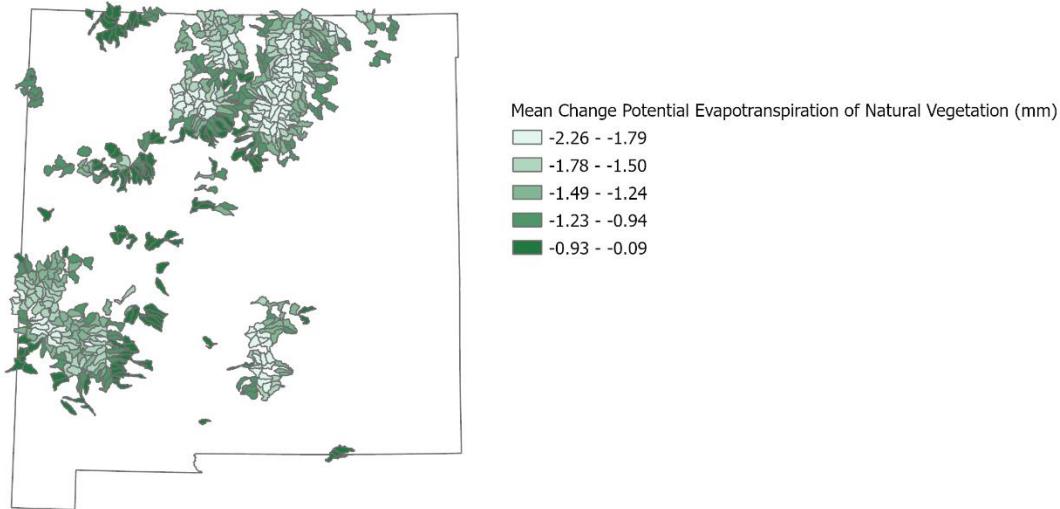
Amphibian and Reptile Habitat



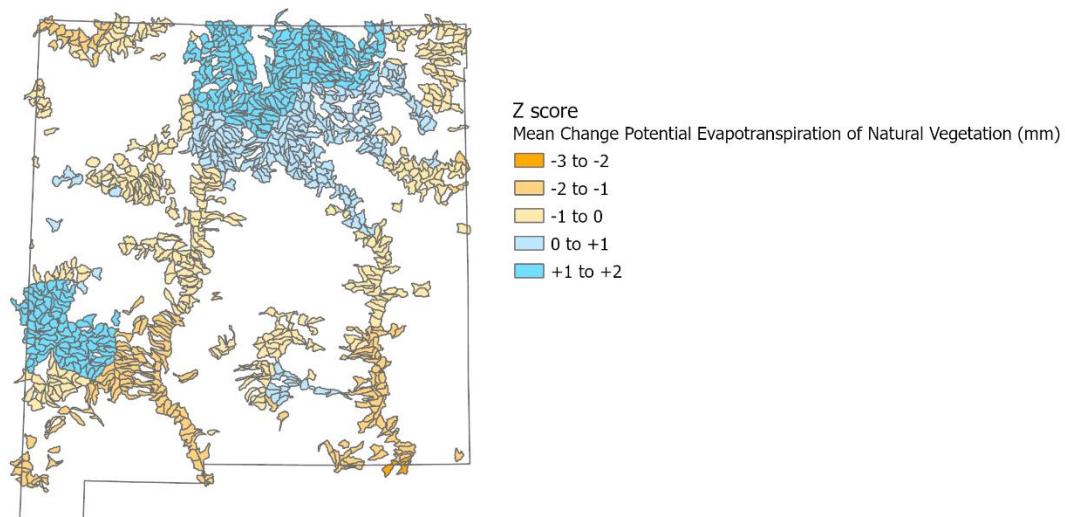
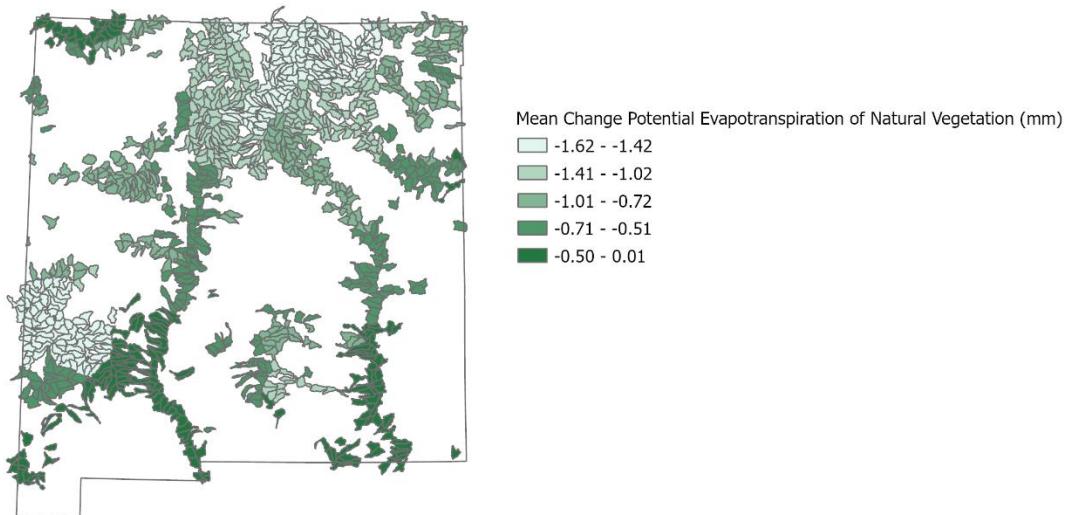
Ephemeral Catchments



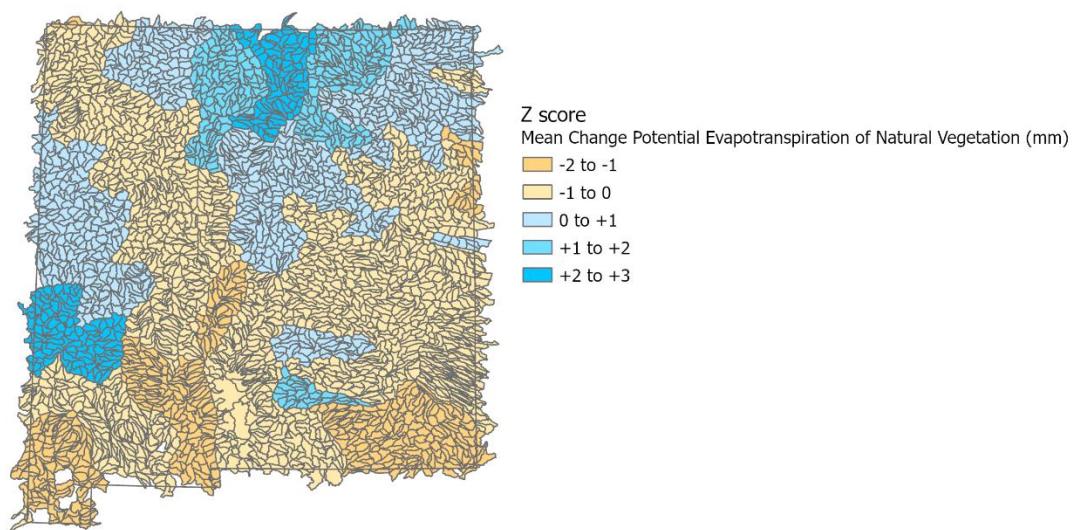
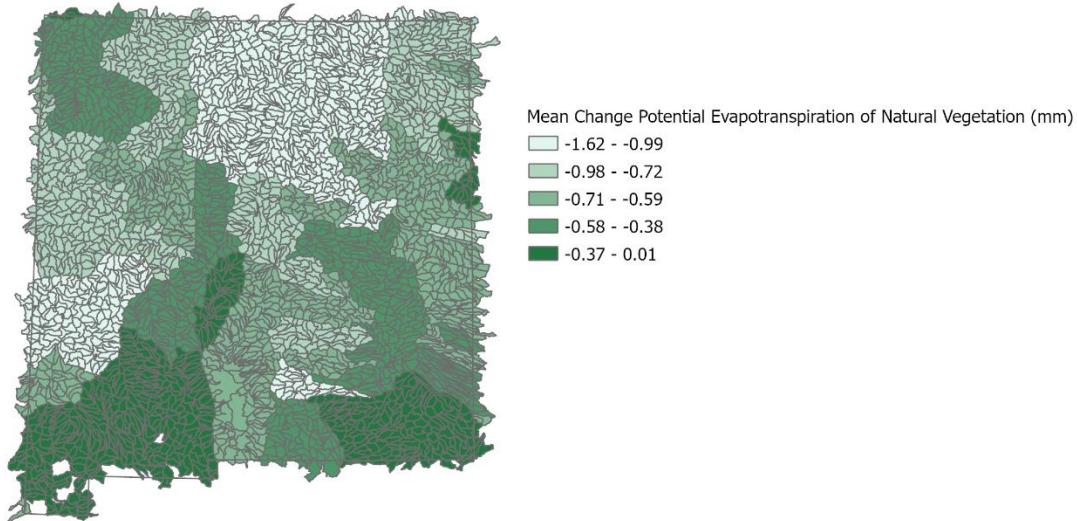
Cold-Water Fish Habitat



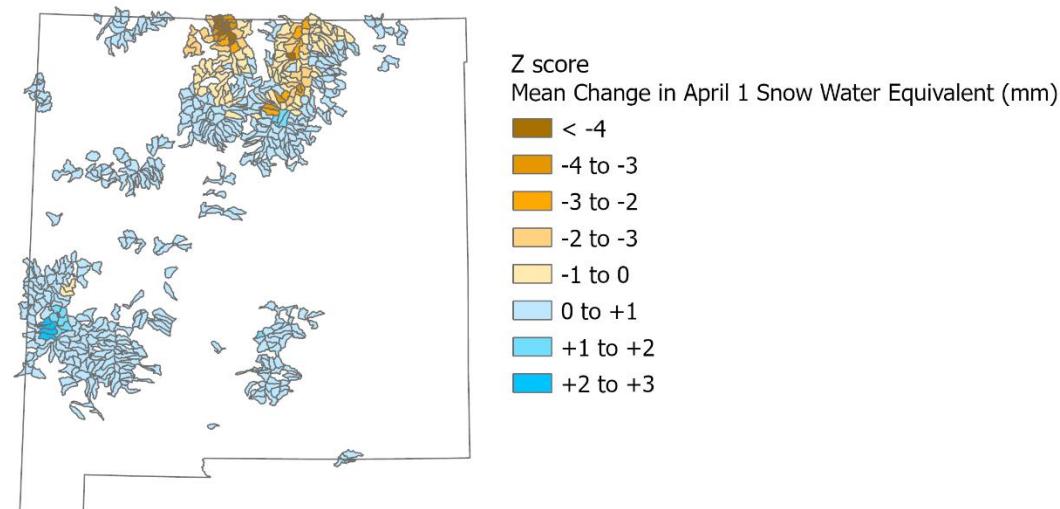
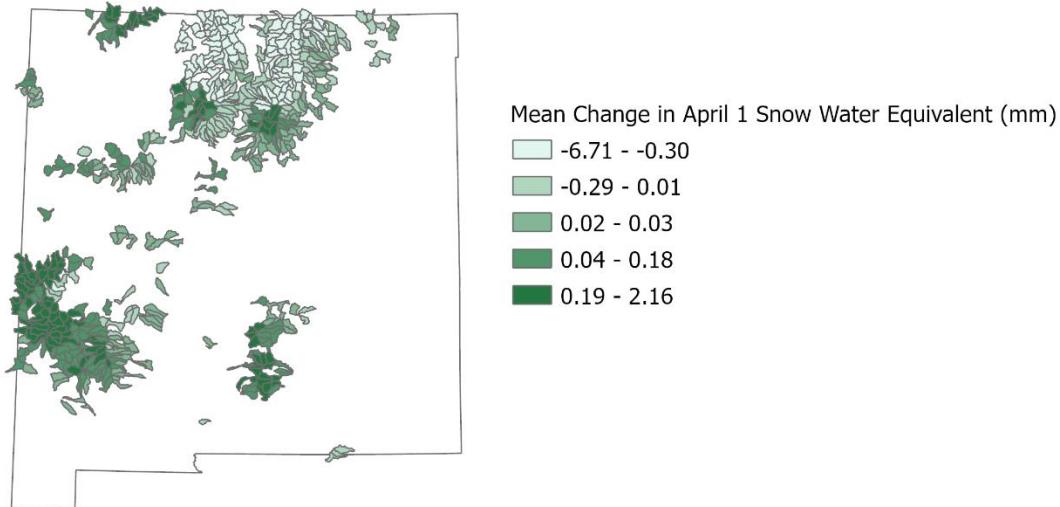
Perennial Streams



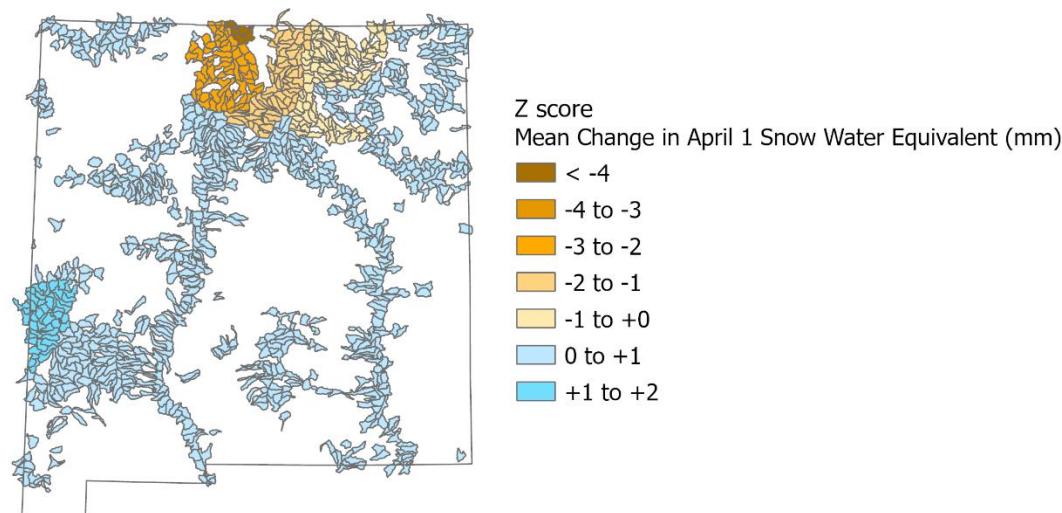
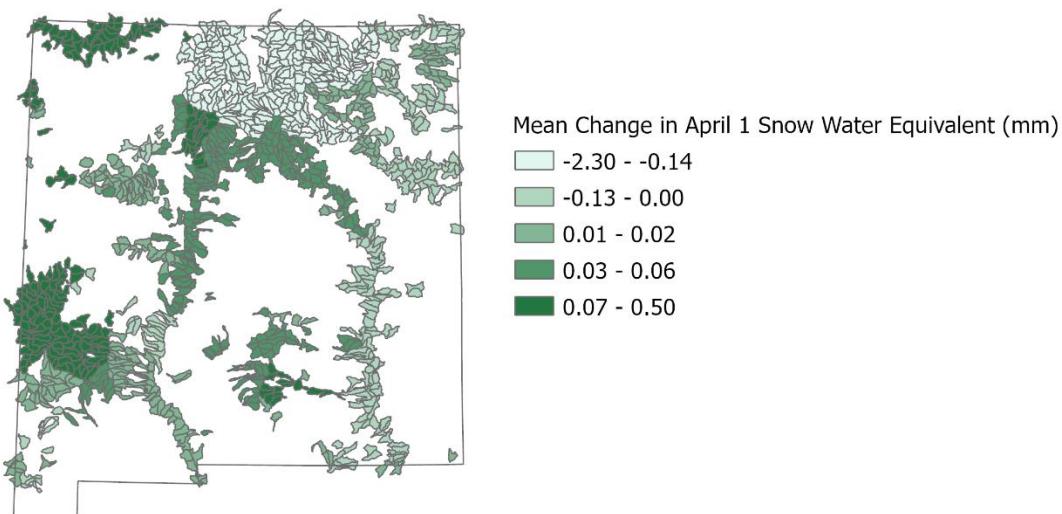
Springs



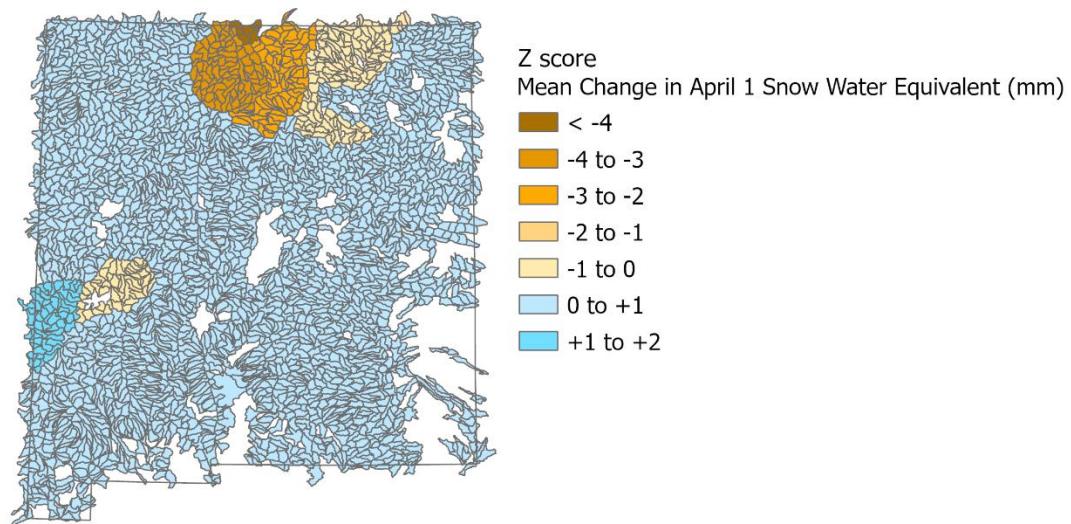
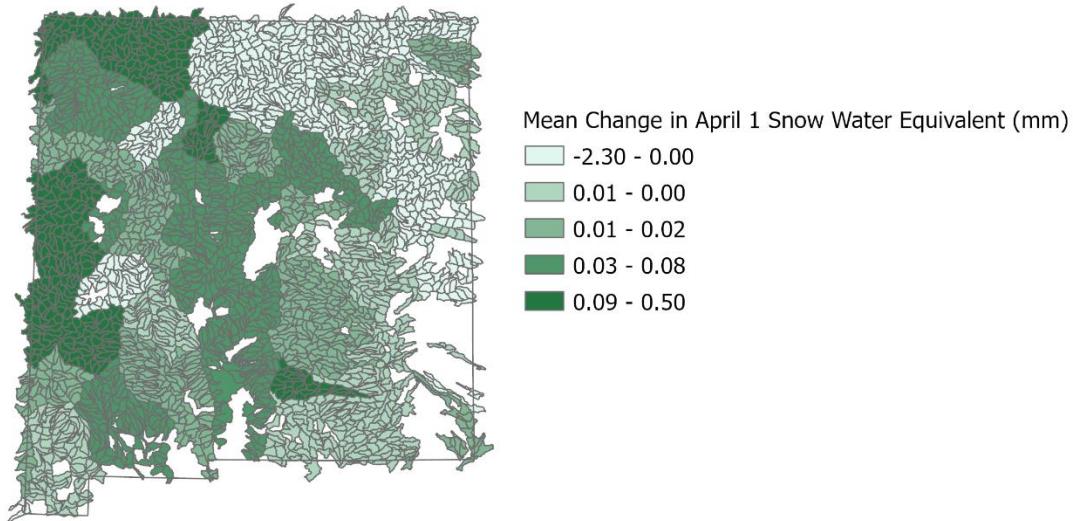
Cold-Water Fish Habitat



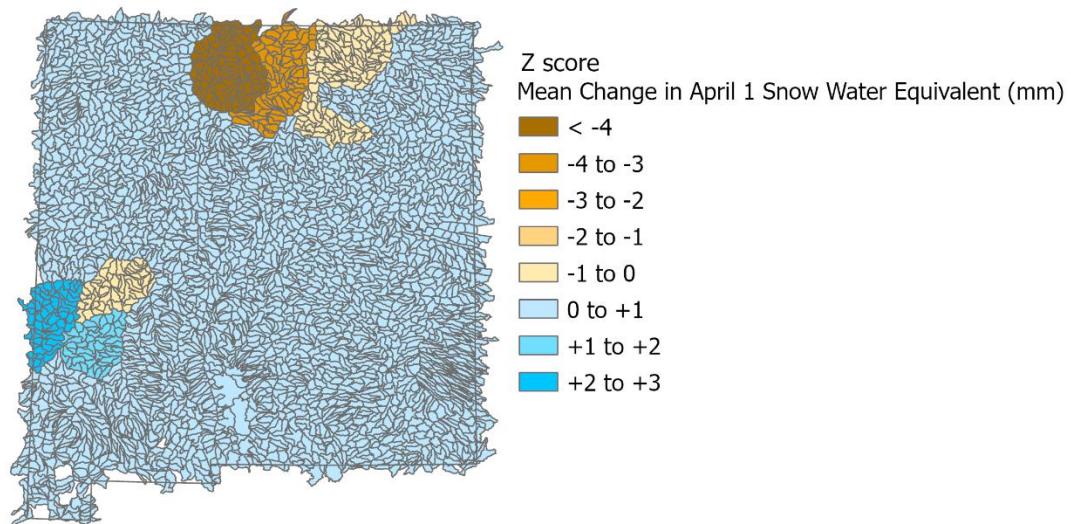
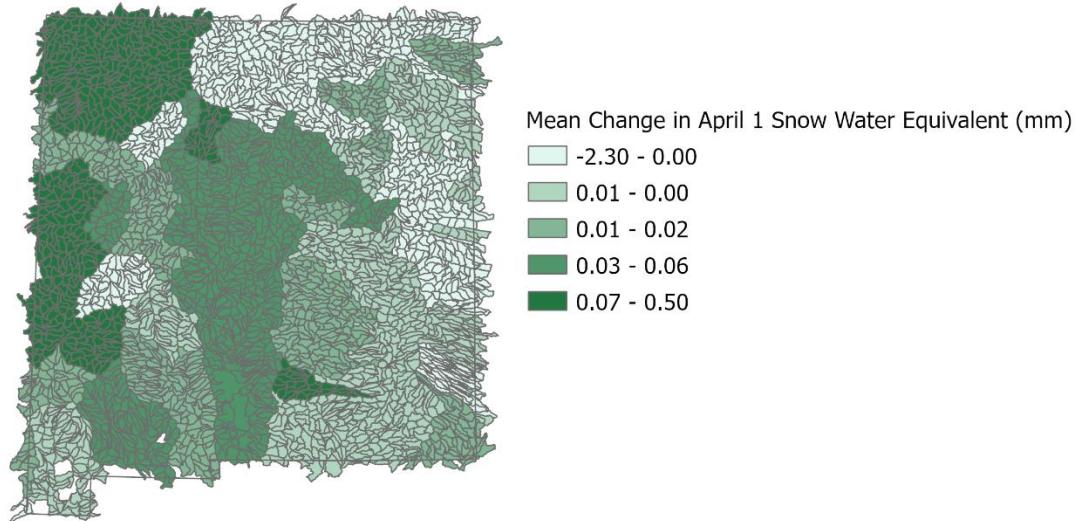
Perennial Streams



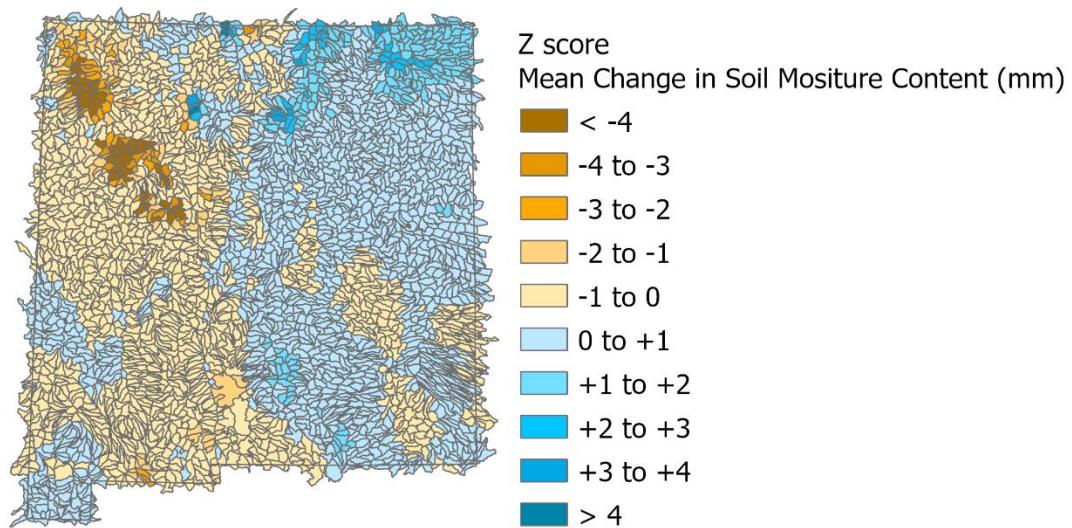
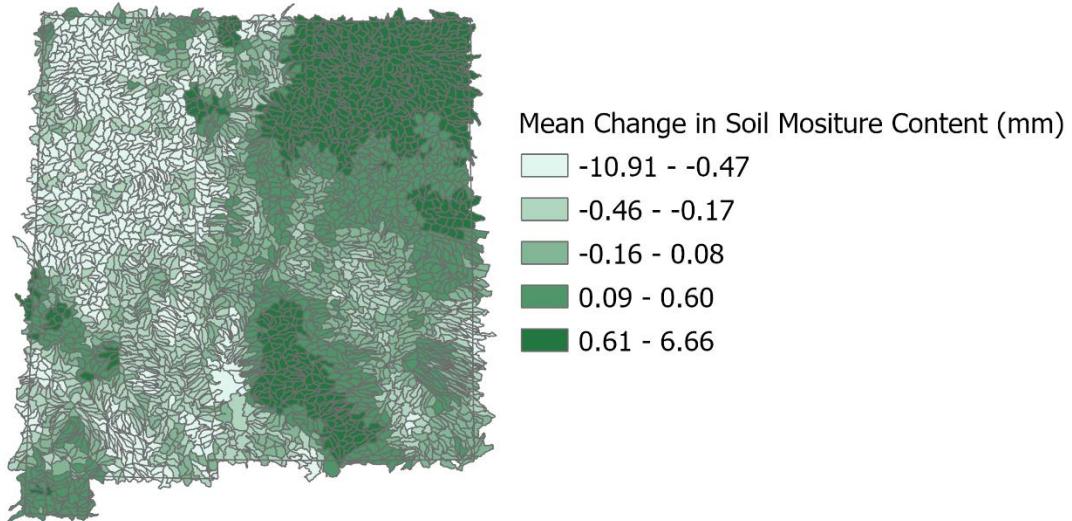
Amphibian and Reptile Habitat



Springs

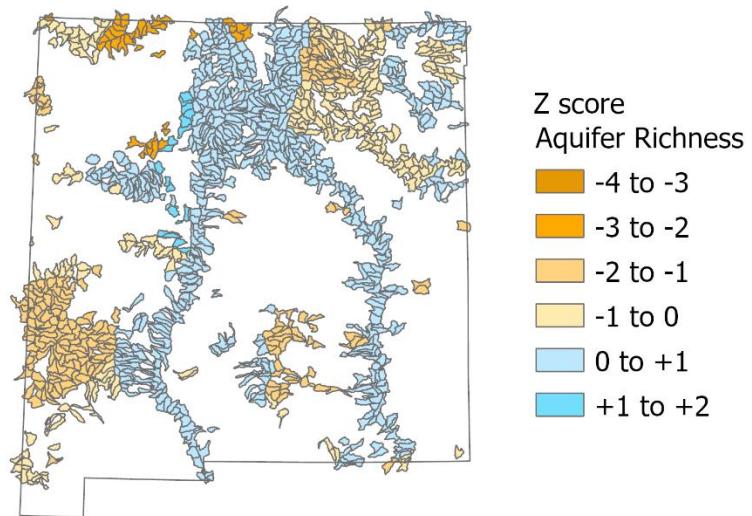
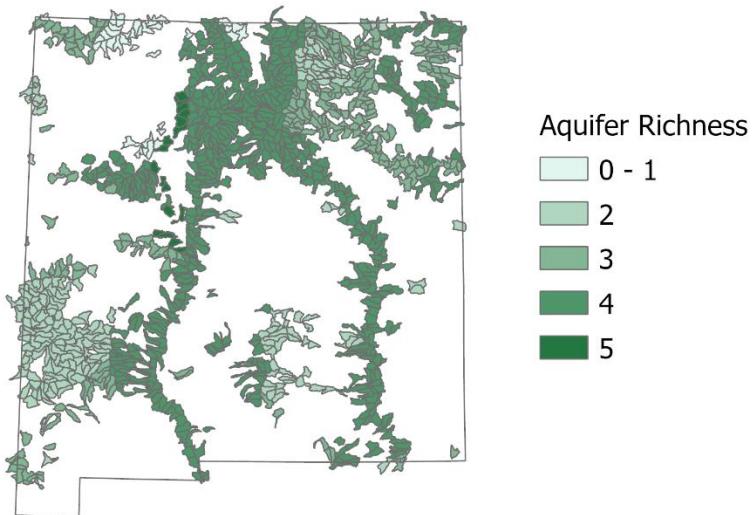


Ephemeral Catchments

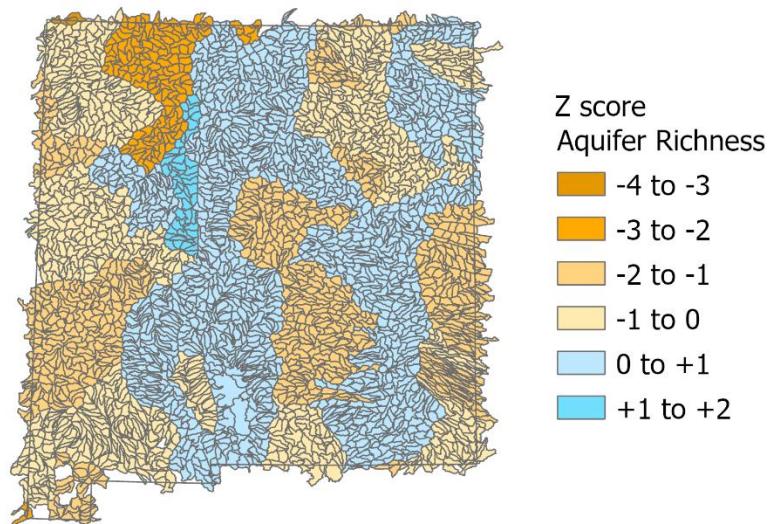
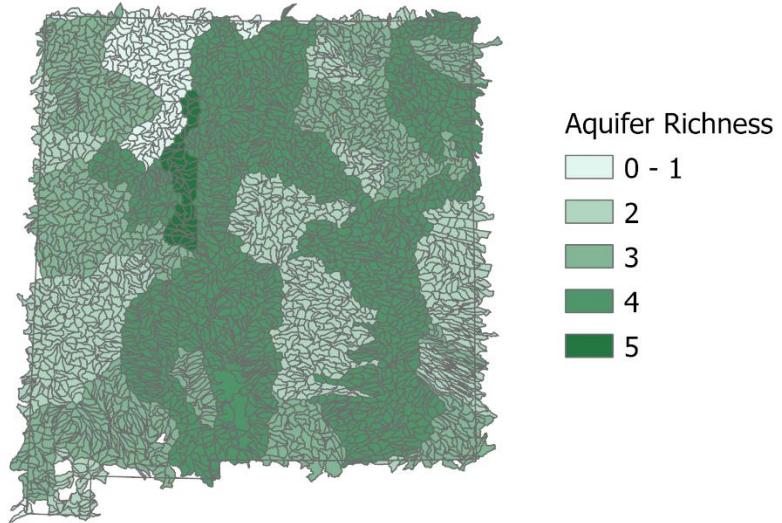


Hydrorefugia Variables

Perennial Streams



Springs

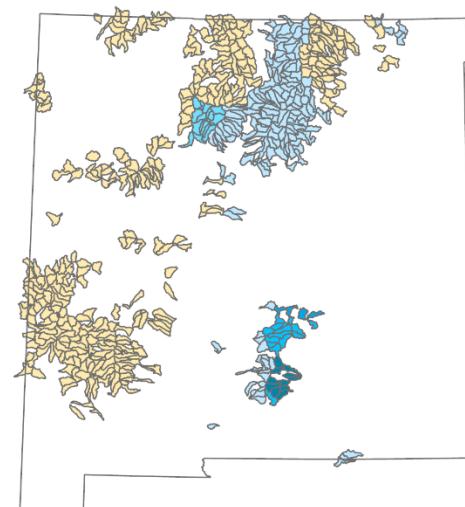


Cold-Water Fish Habitat



Percent with Carbonate Karst

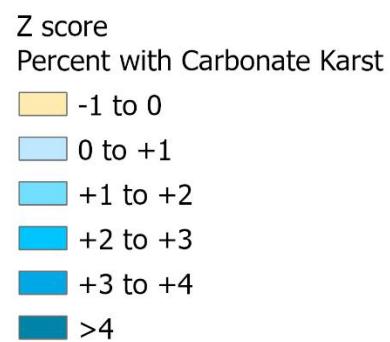
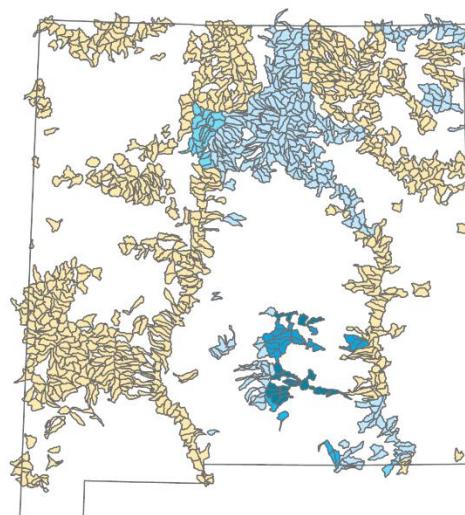
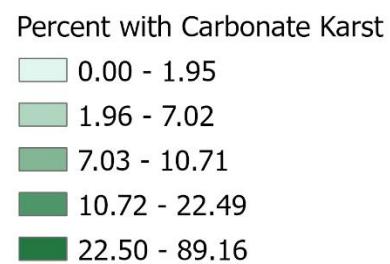
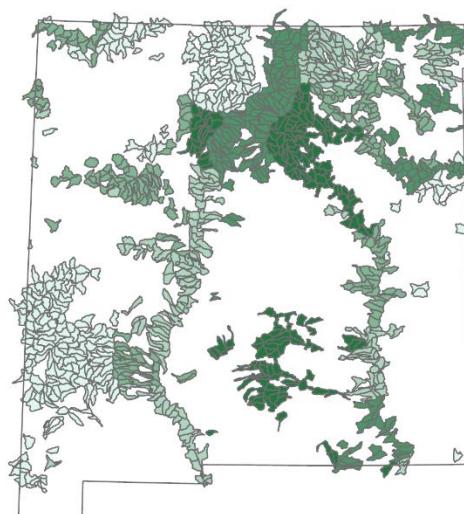
- 0.00 - 0.01
- 0.02 - 4.05
- 4.06 - 10.71
- 10.72 - 22.78
- 22.79 - 76.43



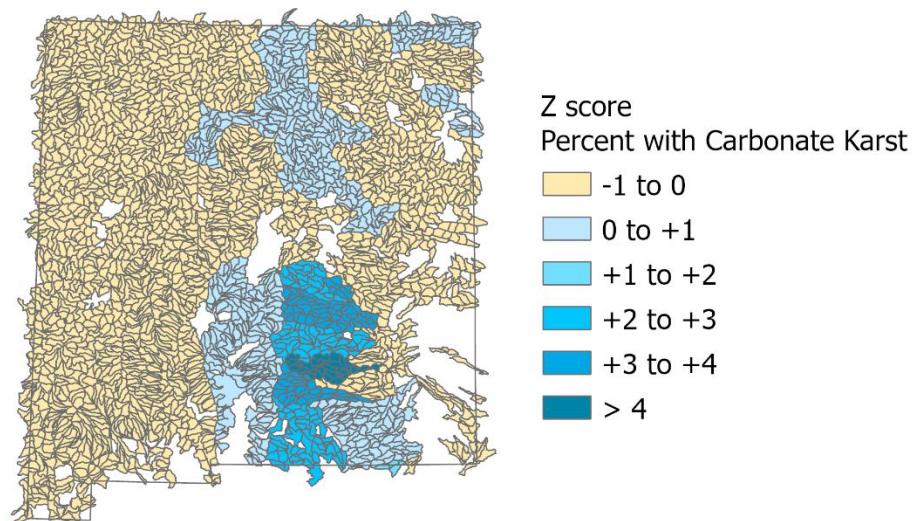
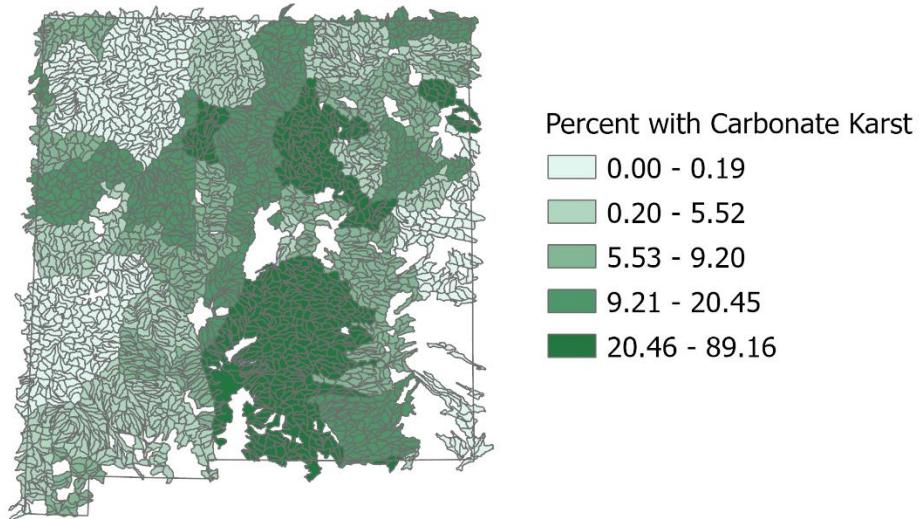
Z score
Percent with Carbonate Karst

- 1 to 0
- 0 to +1
- +1 to +2
- +2 to +3
- +3 to +4
- > 4

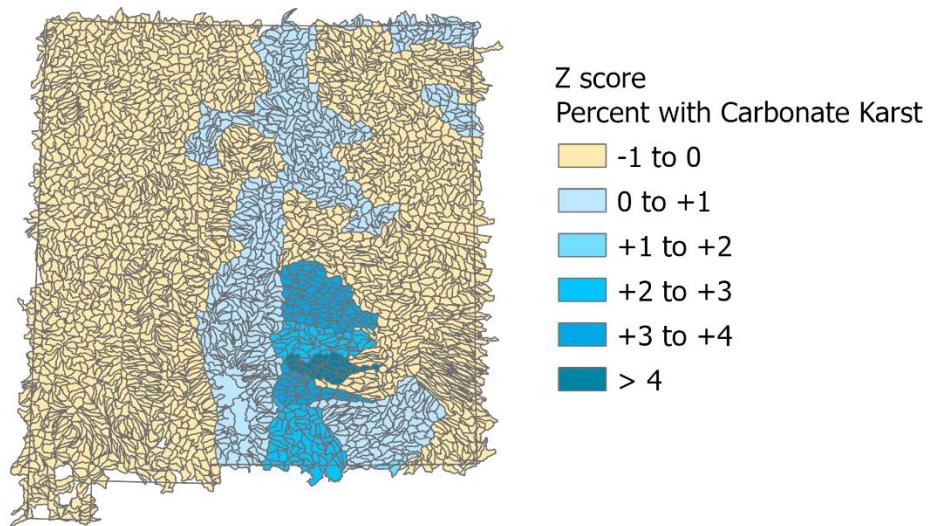
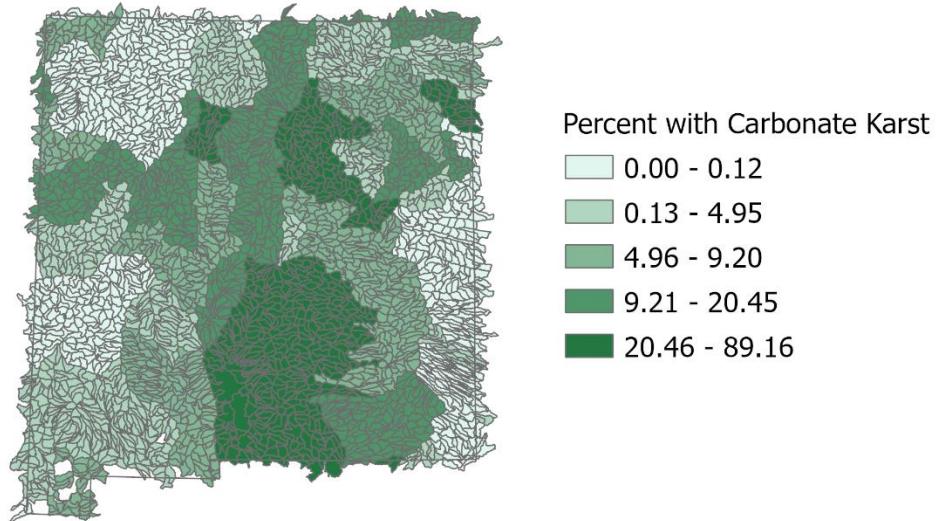
Perennial Streams



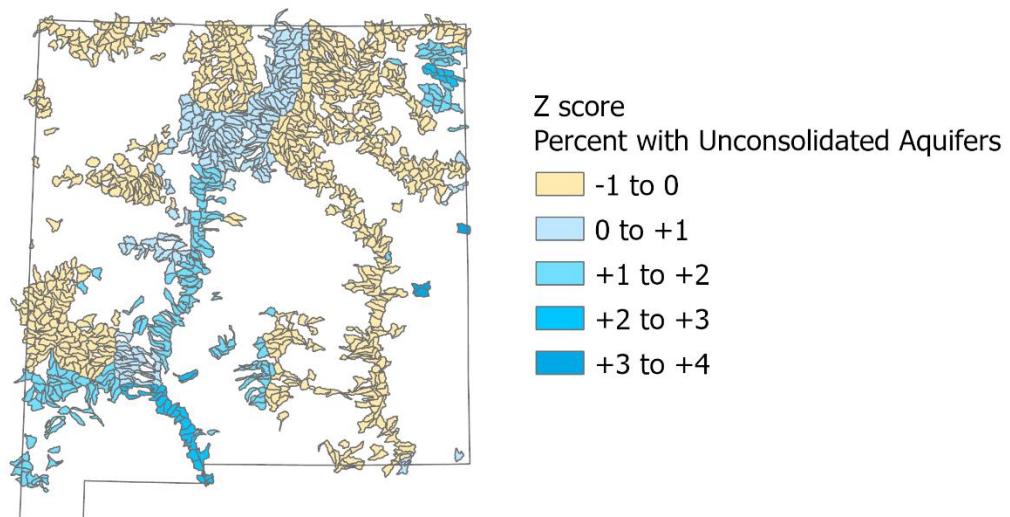
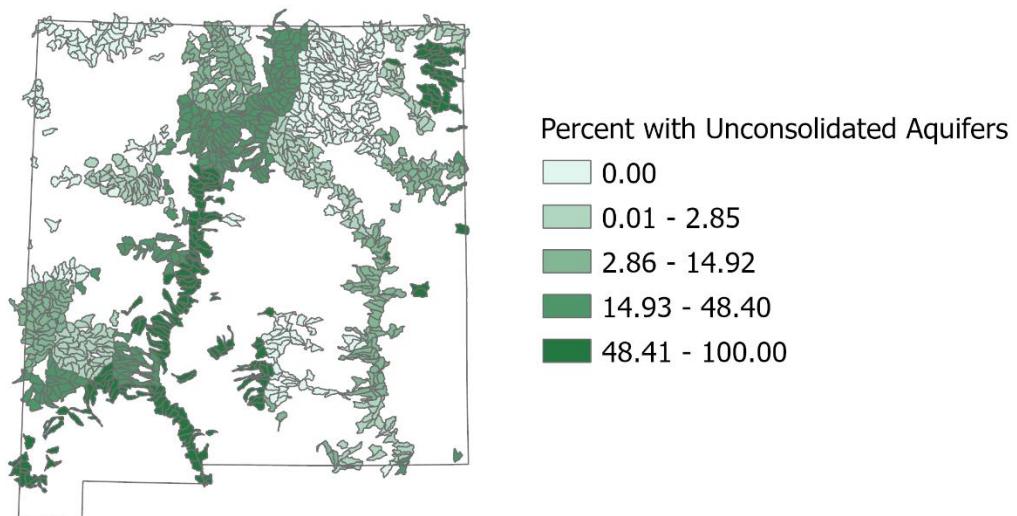
Amphibian and Reptile Habitat



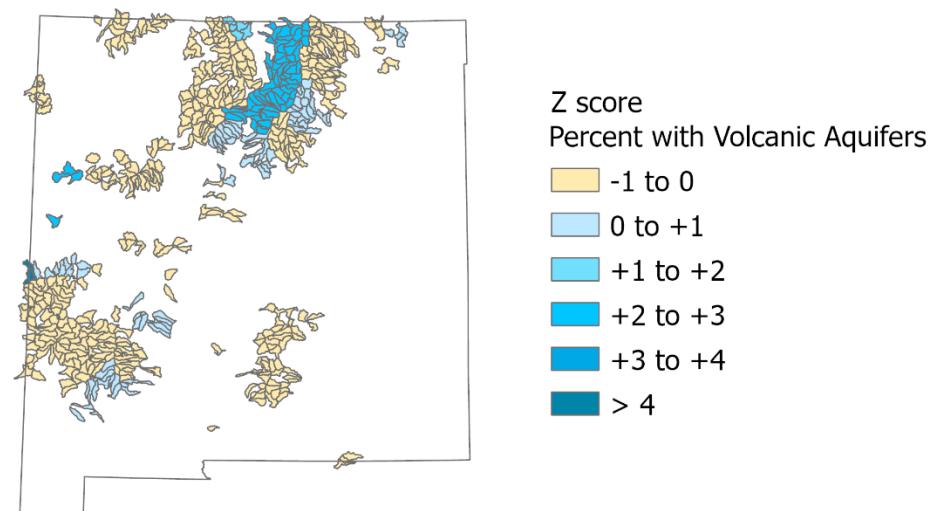
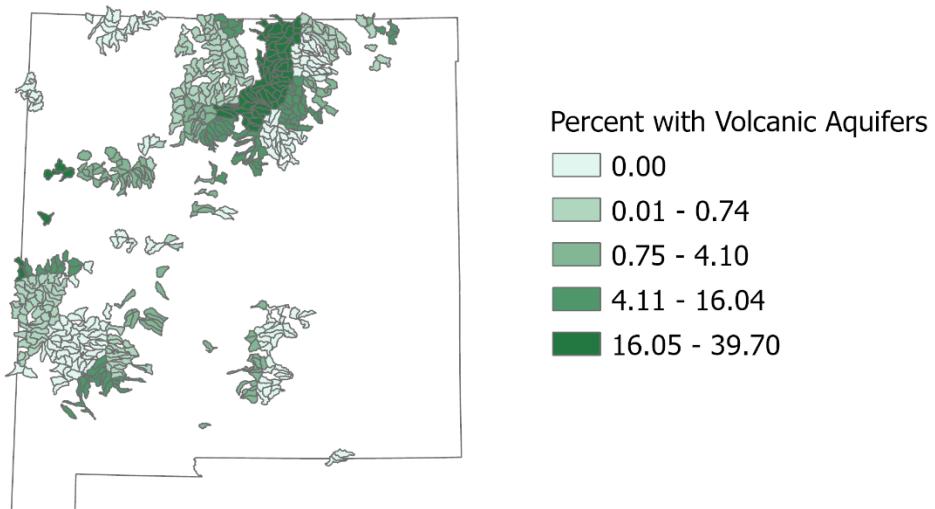
Springs



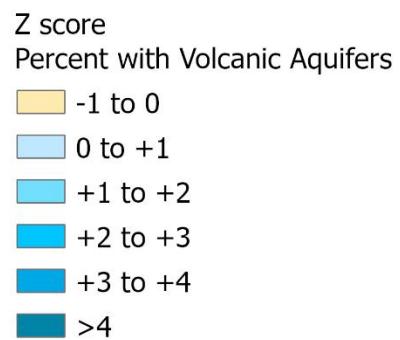
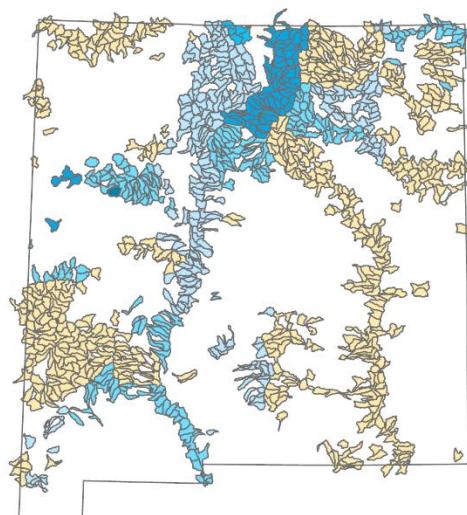
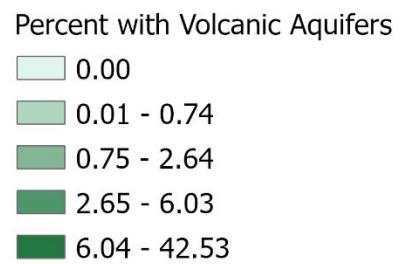
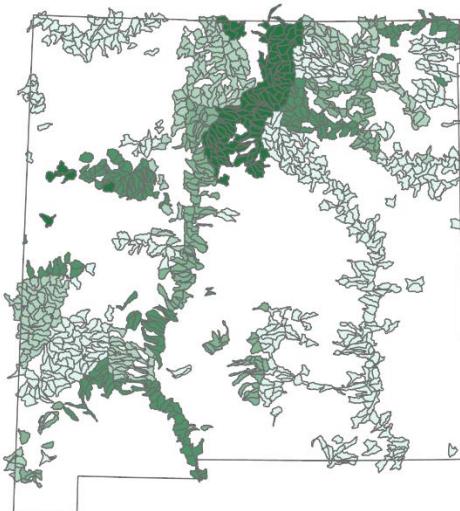
Perennial Streams



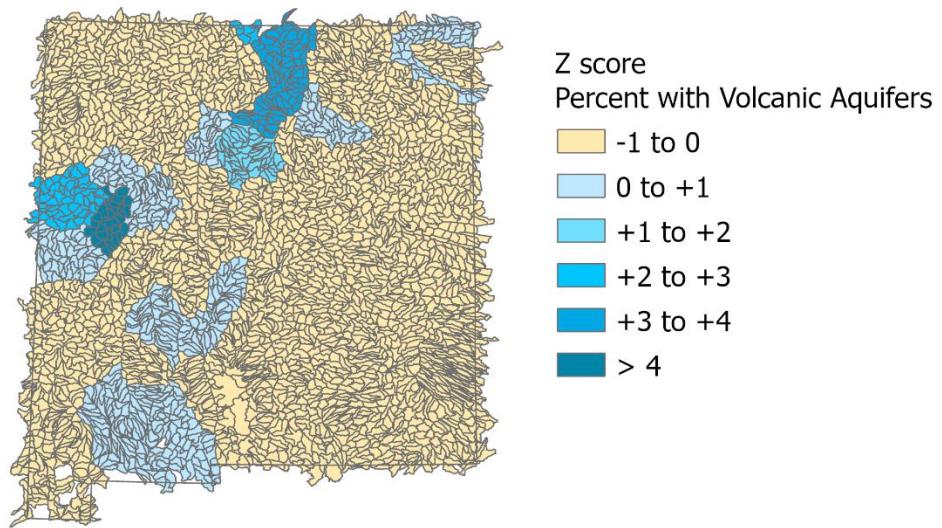
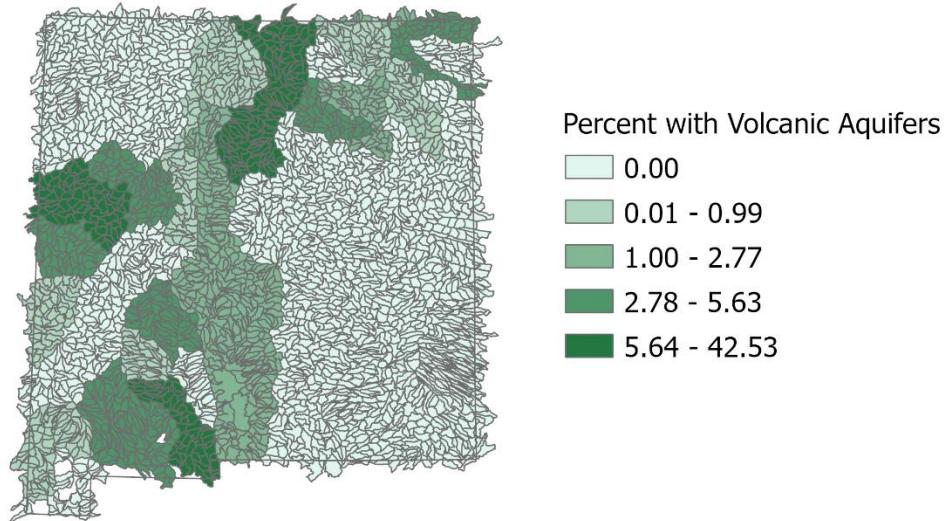
Cold-Water Fish Habitat



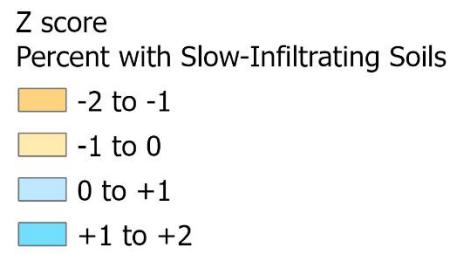
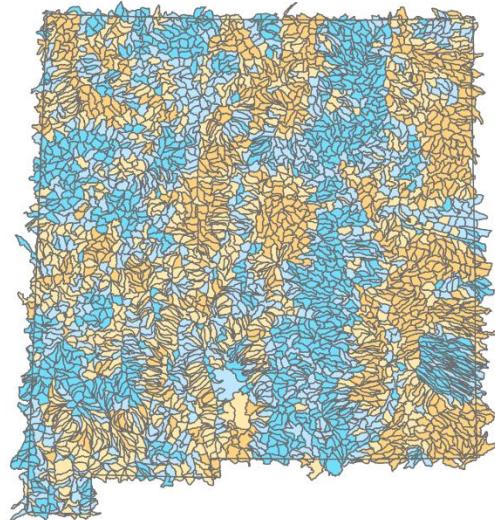
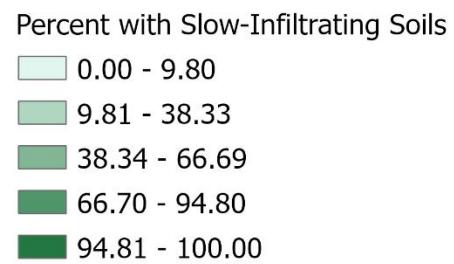
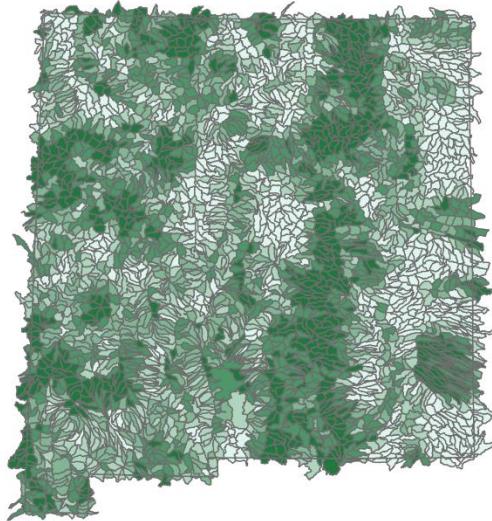
Perennial Streams



Springs



Ephemeral Catchments

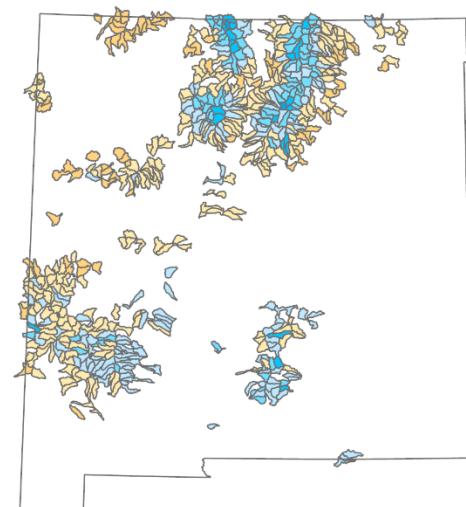


Cold-Water Fish Habitat



Mean Soil Bulk Density (g/cm^3)

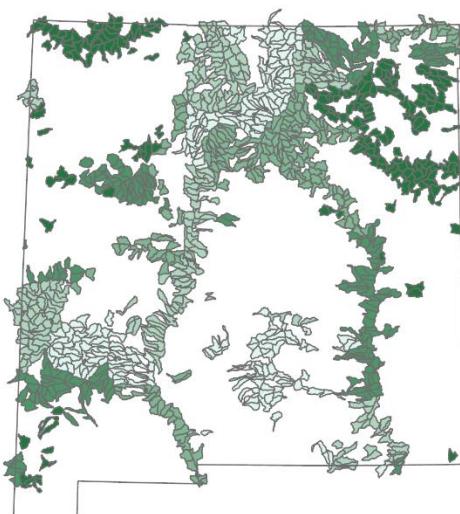
- 1.30 - 1.43
- 1.44 - 1.47
- 1.48 - 1.49
- 1.50 - 1.51
- 1.52 - 1.57



Z score
Mean Soil Bulk Density (g/cm^3)

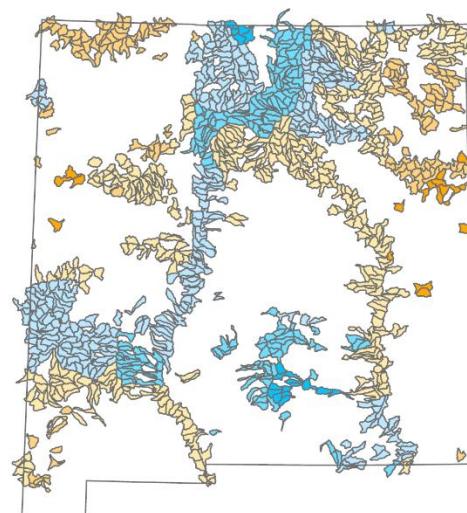
- 2 to -1
- 1 to 0
- 0 to +1
- +1 to +2
- +2 to +3
- +3 to +4

Perennial Streams



Mean Soil Bulk Density (g/cm^3)

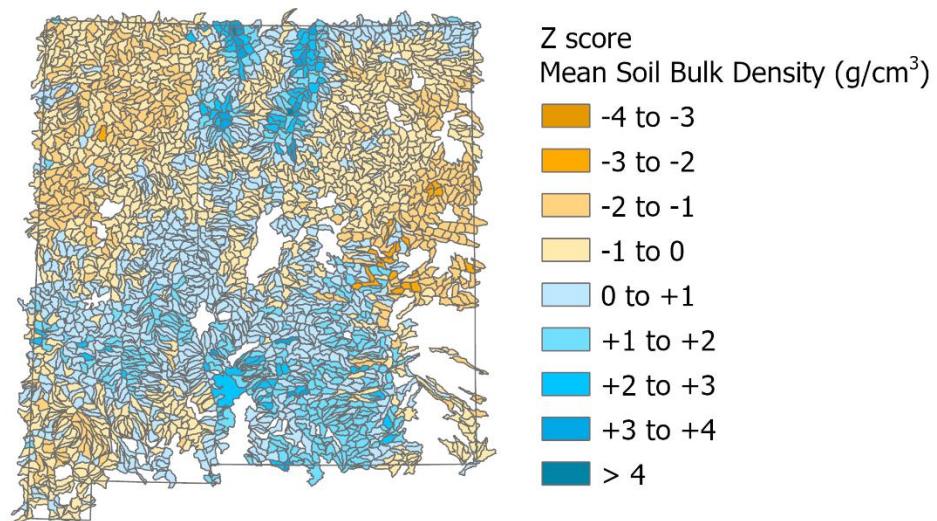
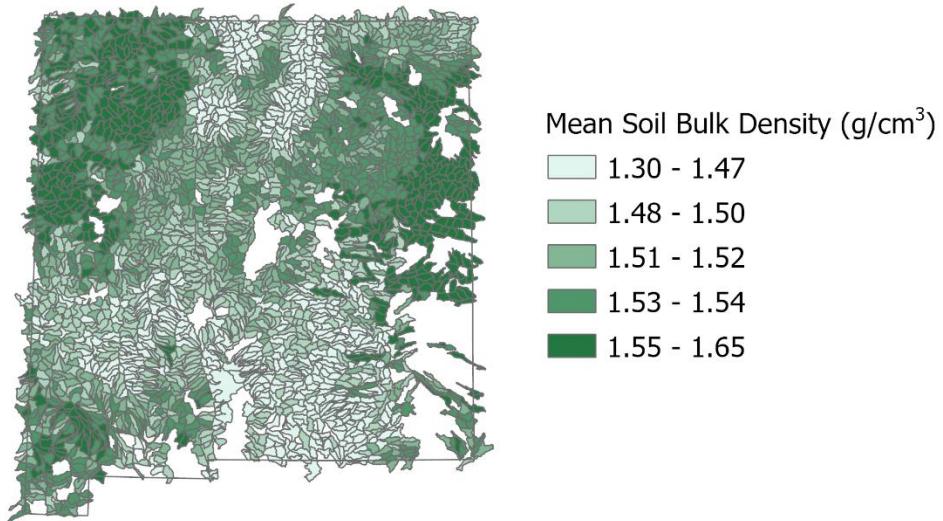
Color	Range (g/cm^3)
Lightest Green	1.40 - 1.47
Medium-Light Green	1.48 - 1.49
Dark Green	1.50 - 1.50
Medium-Dark Green	1.51 - 1.52
Darkest Green	1.53 - 1.58



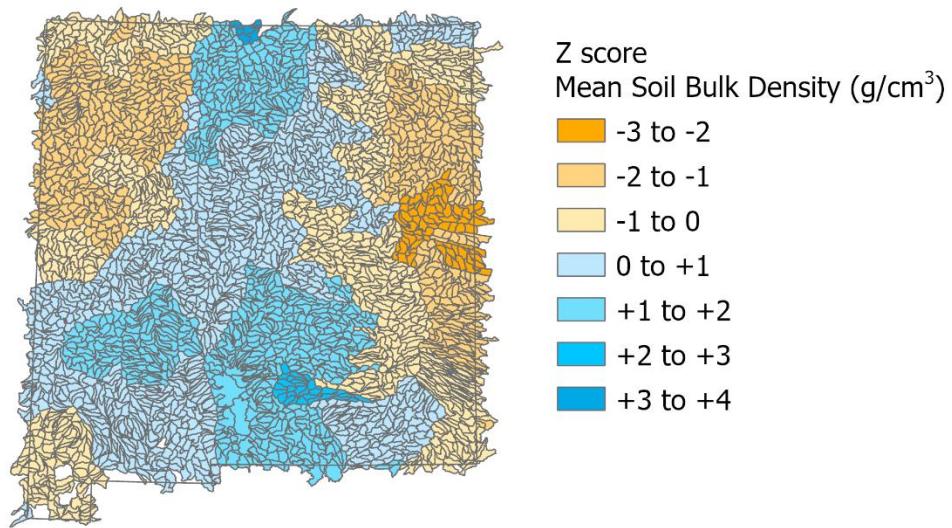
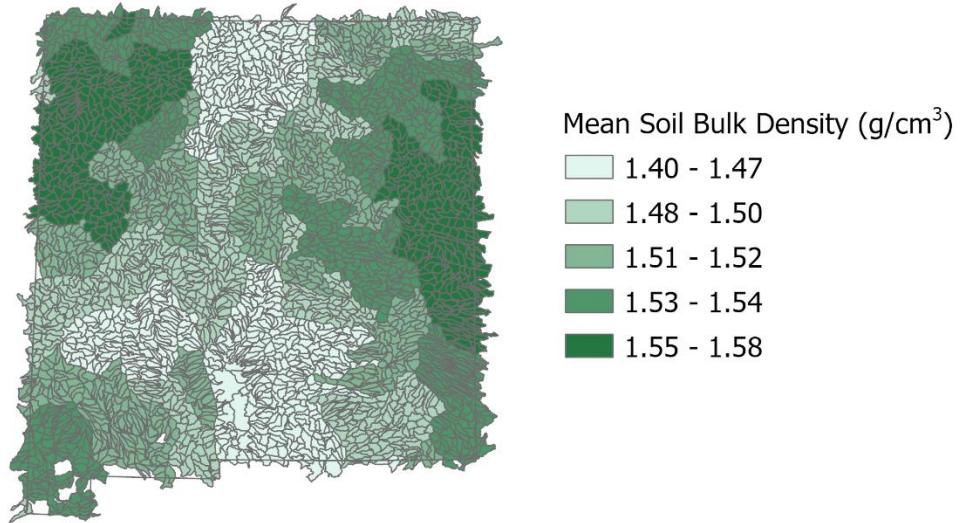
Z score
Mean Soil Bulk Density (g/cm^3)

Color	Z score Range	Mean Soil Bulk Density Range (g/cm^3)
Dark Orange/Yellow	-3 to -2	1.40 - 1.47
Light Orange/Yellow	-2 to -1	1.48 - 1.49
Yellow	-1 to 0	1.50 - 1.50
Light Blue	0 to +1	1.51 - 1.52
Medium Blue	+1 to +2	1.53 - 1.58
Dark Blue	+2 to +3	1.53 - 1.58

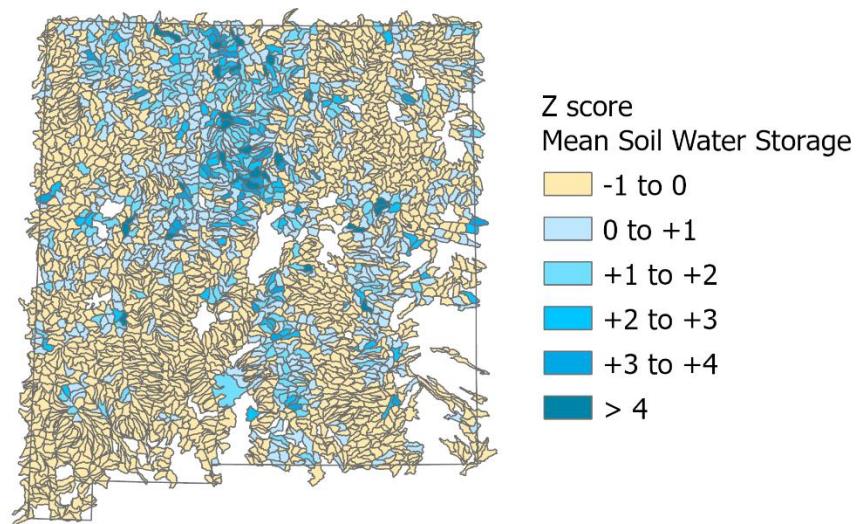
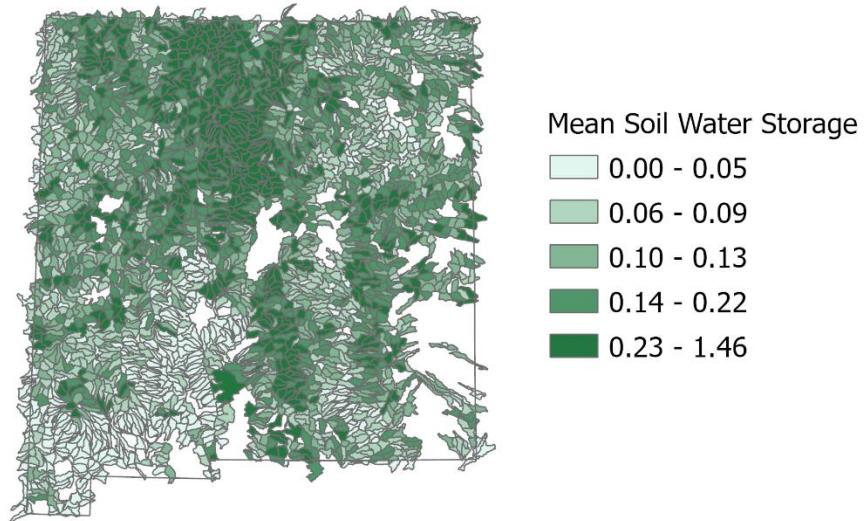
Amphibian and Reptile Habitat



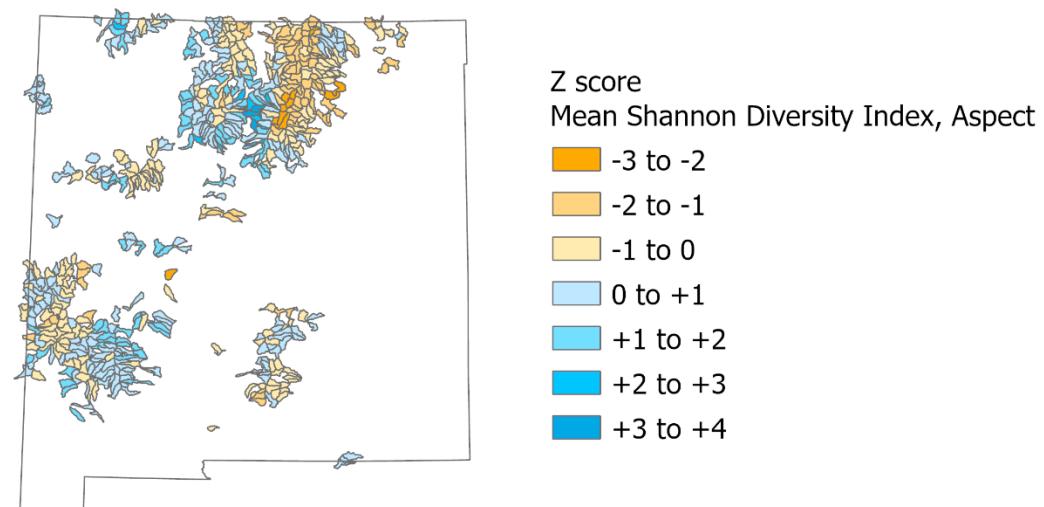
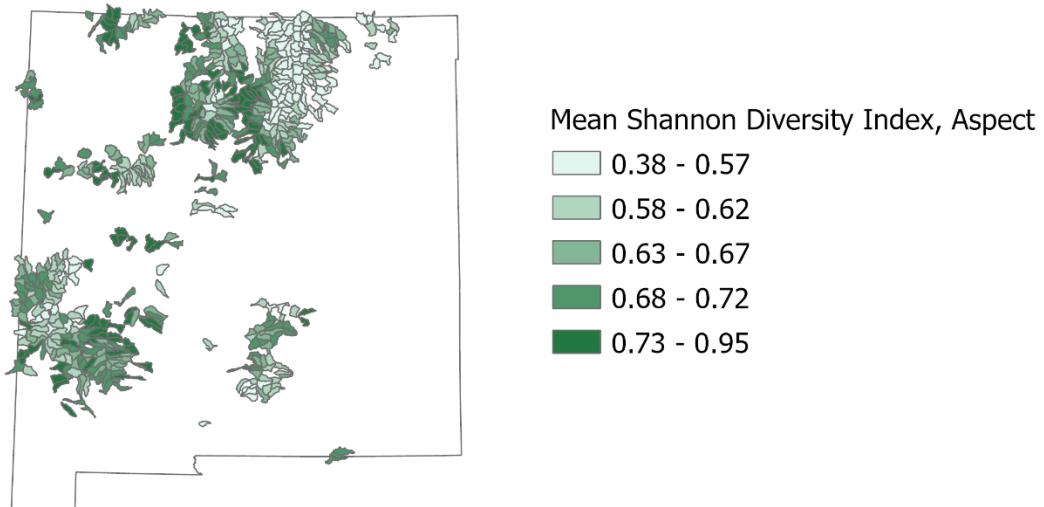
Springs



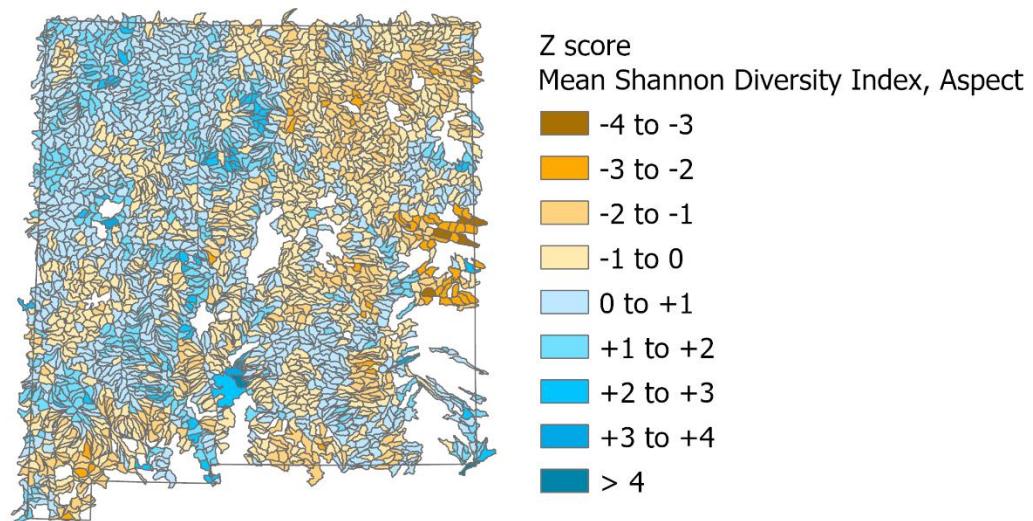
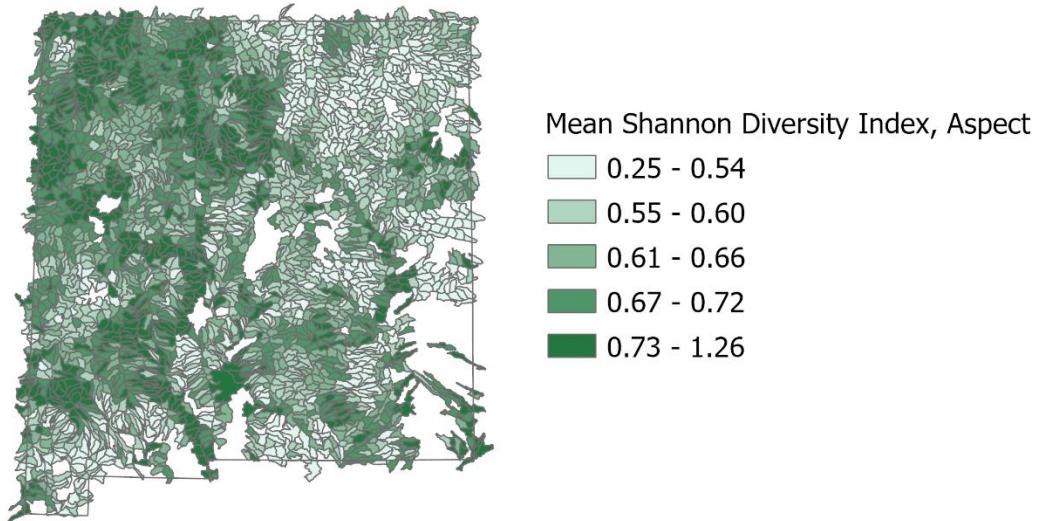
Amphibian and Reptile Habitat



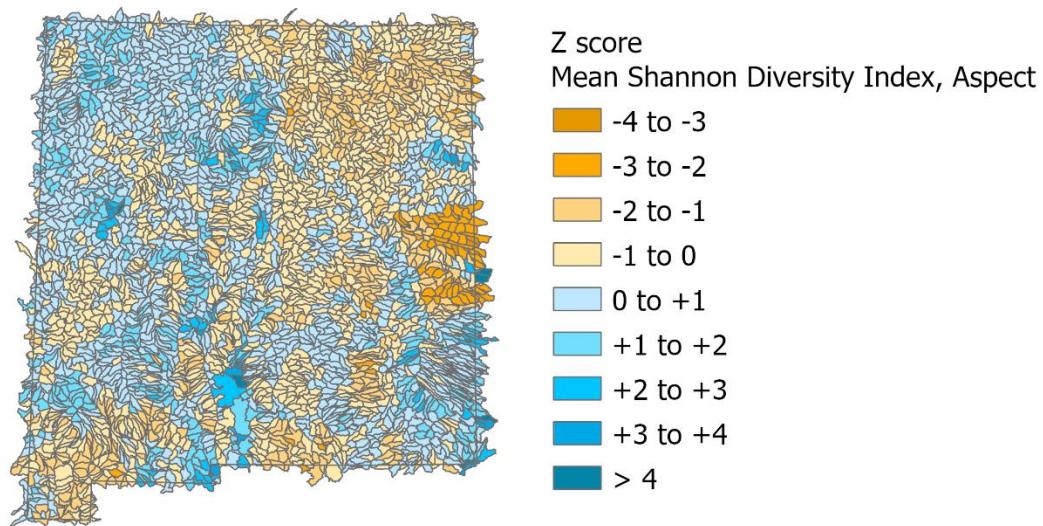
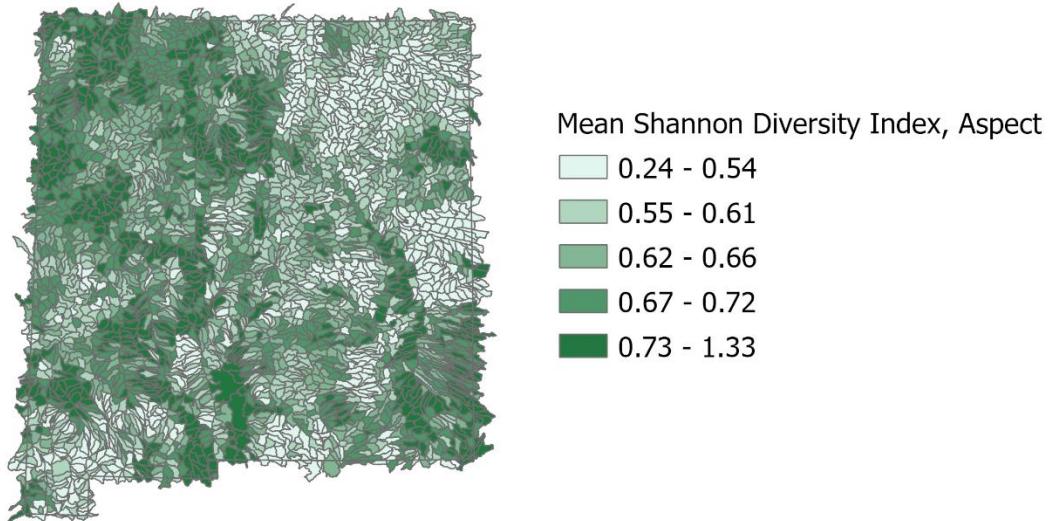
Cold-Water Fish Habitat



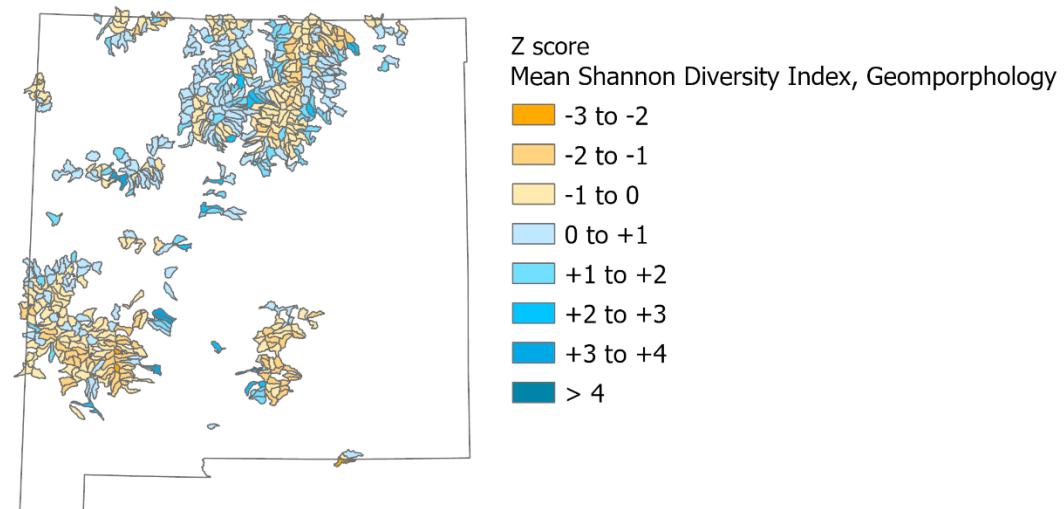
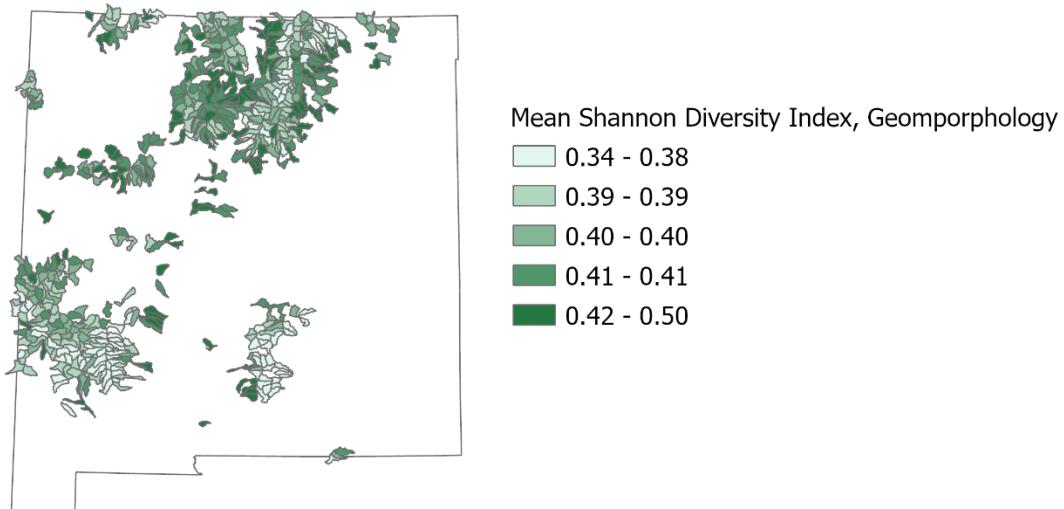
Amphibian and Reptile Habitat



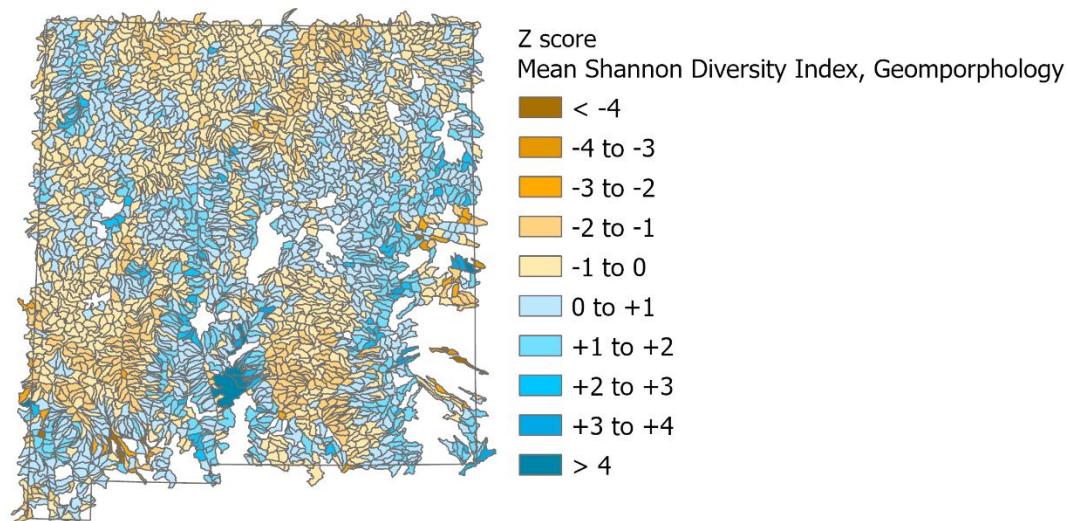
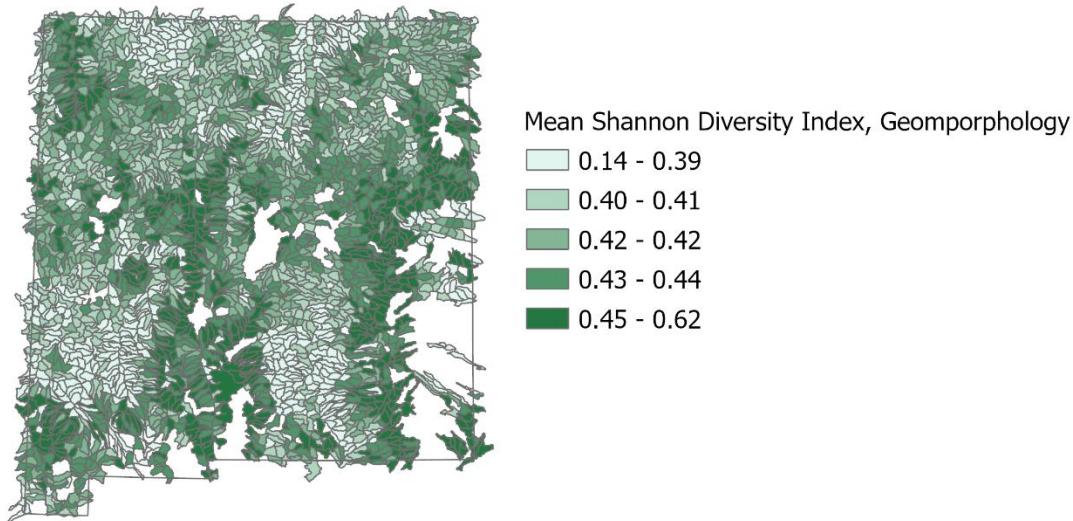
Ephemeral Catchments



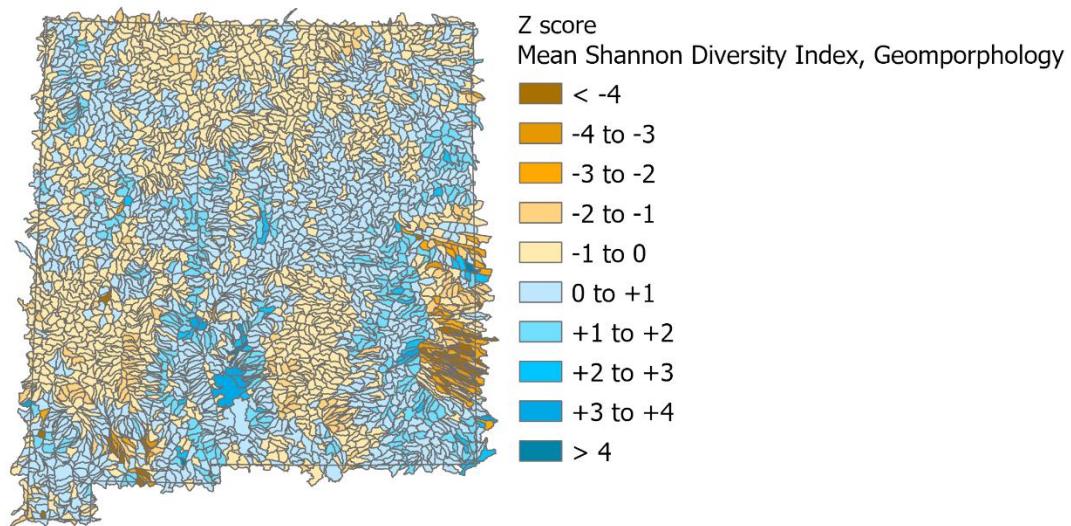
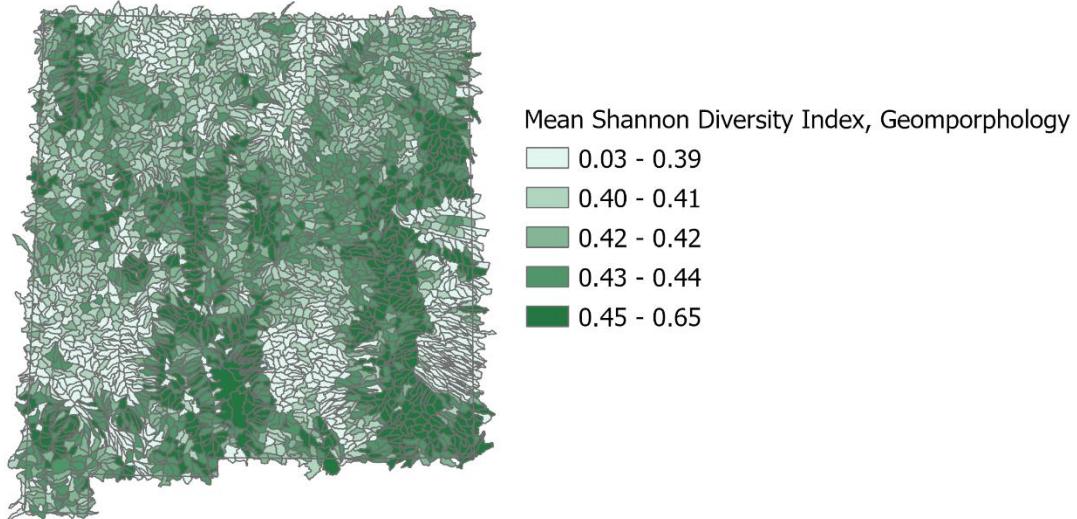
Cold-Water Fish Habitat



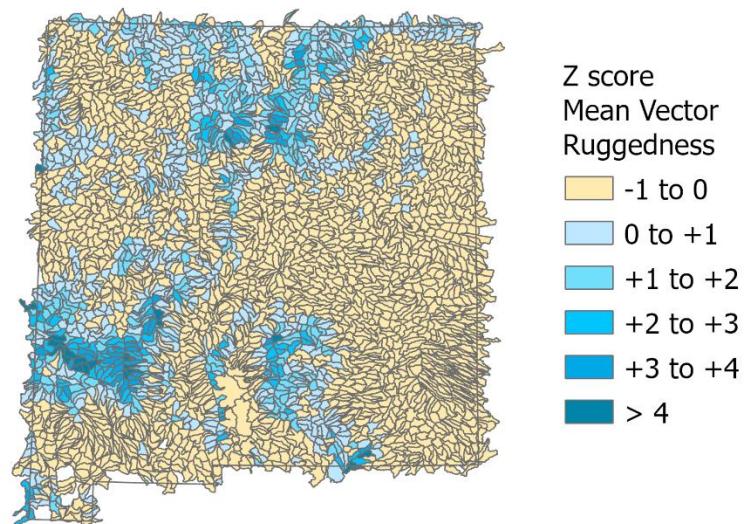
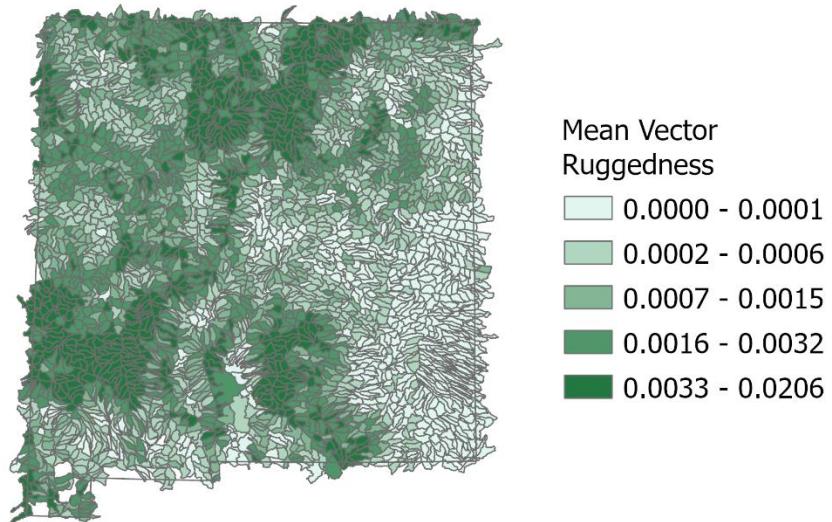
Amphibian and Reptile Habitat



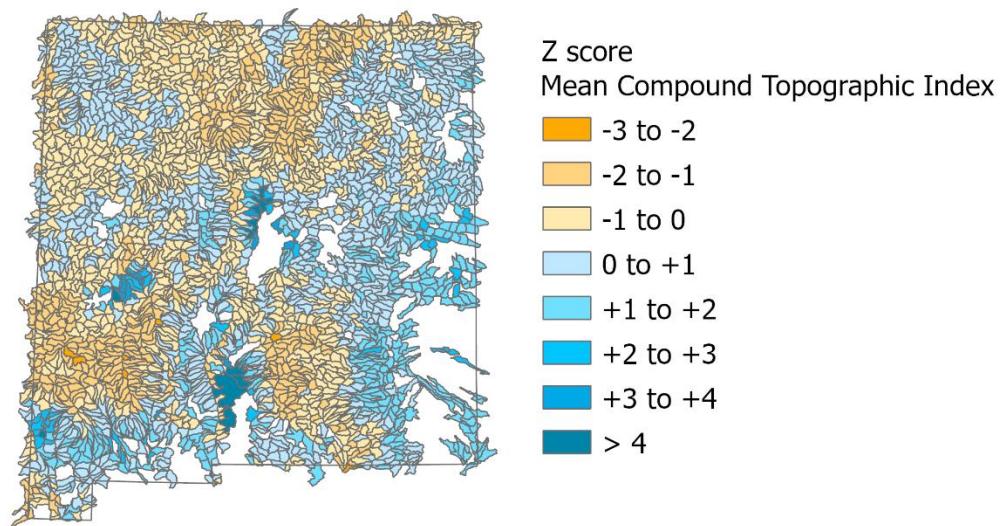
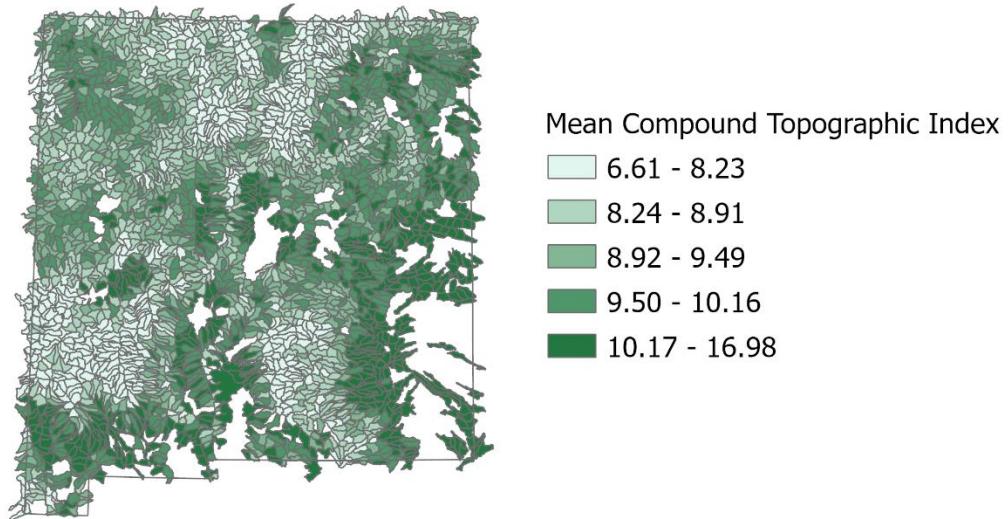
Ephemeral Catchments



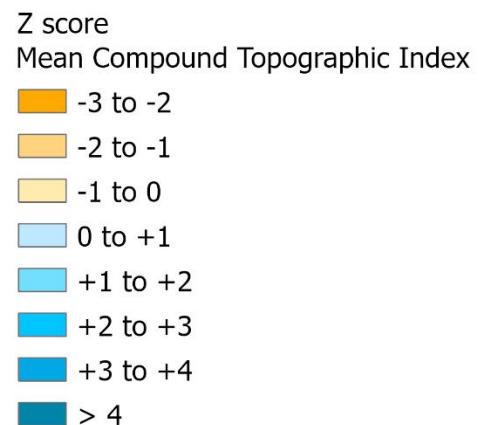
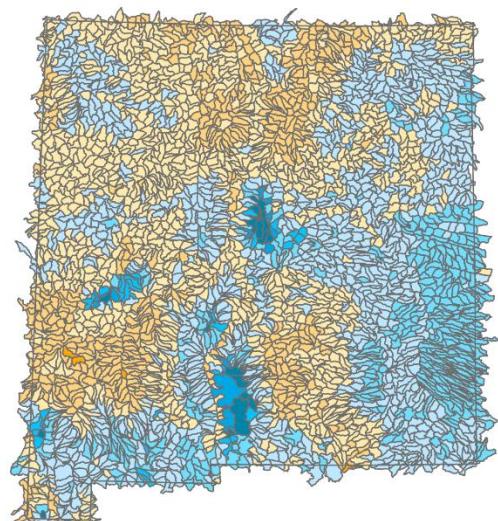
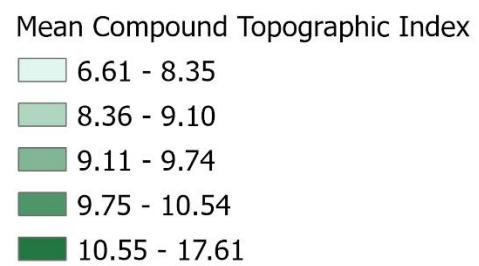
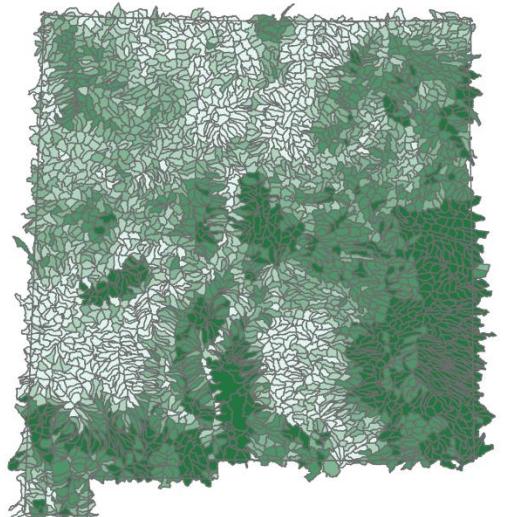
Springs



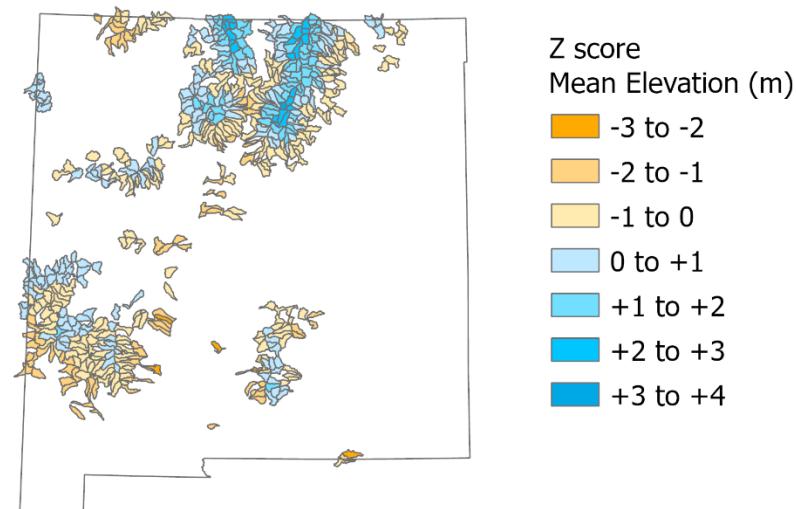
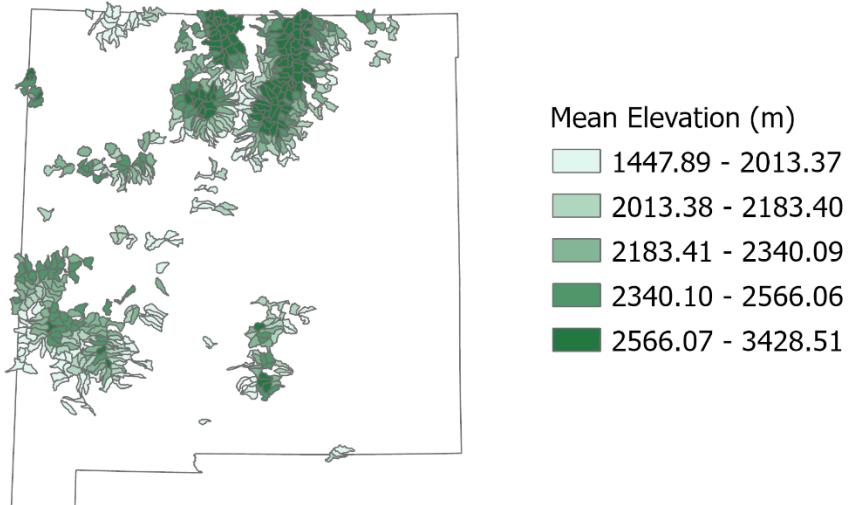
Amphibian and Reptile Habitat



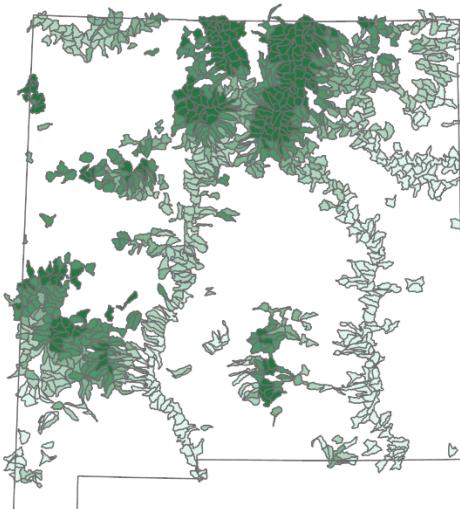
Ephemeral Catchments



Cold-Water Fish Habitat

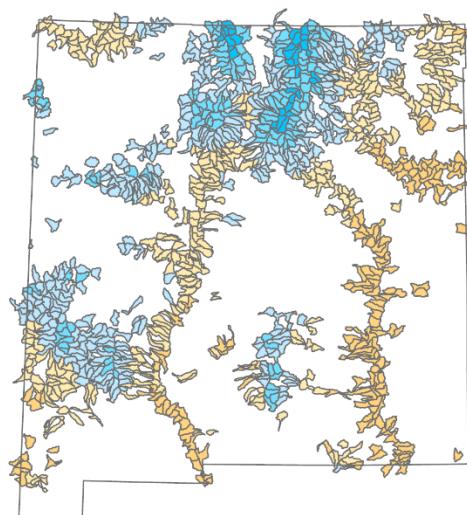


Perennial Streams



Mean Elevation (m)

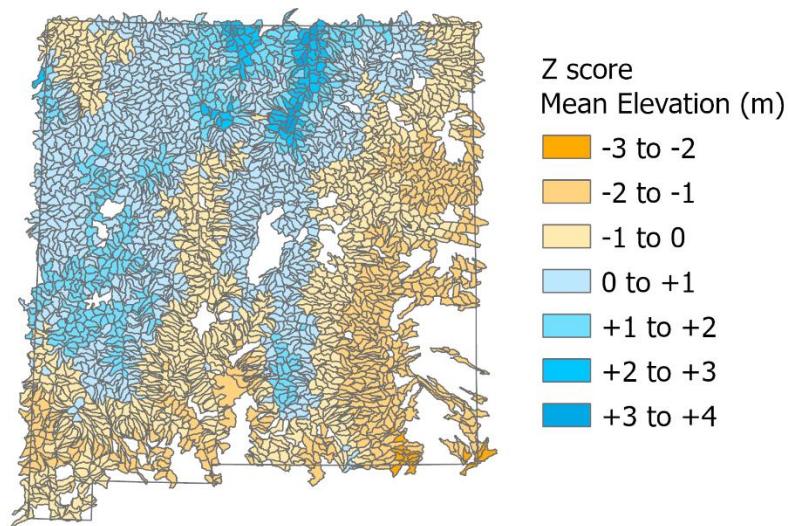
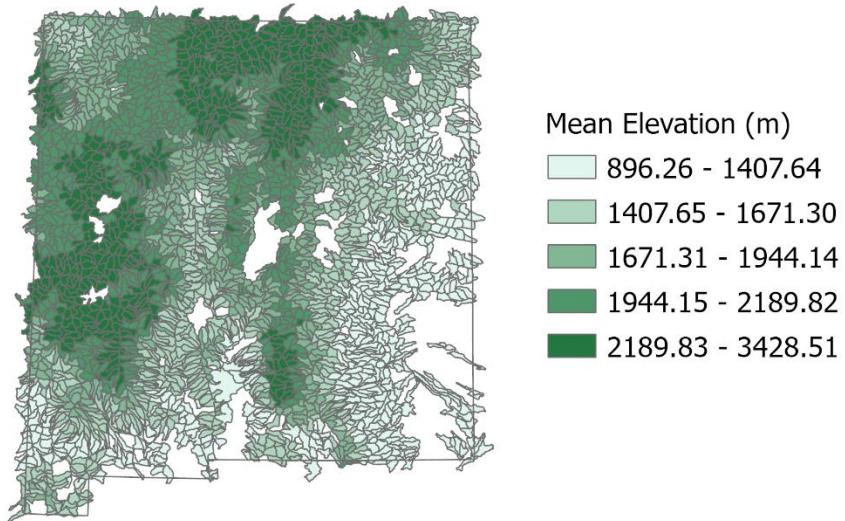
- 896.26 - 1489.10
- 1489.11 - 1797.21
- 1797.22 - 2081.29
- 2081.30 - 2350.79
- 2350.80 - 3428.51



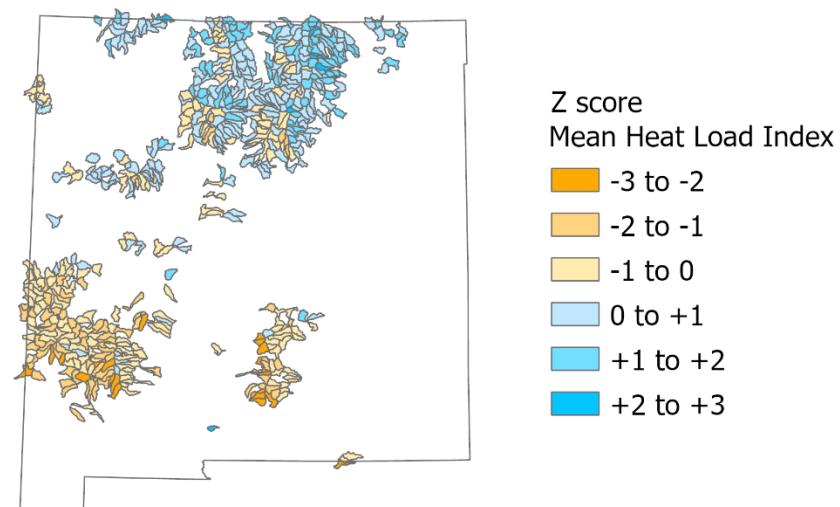
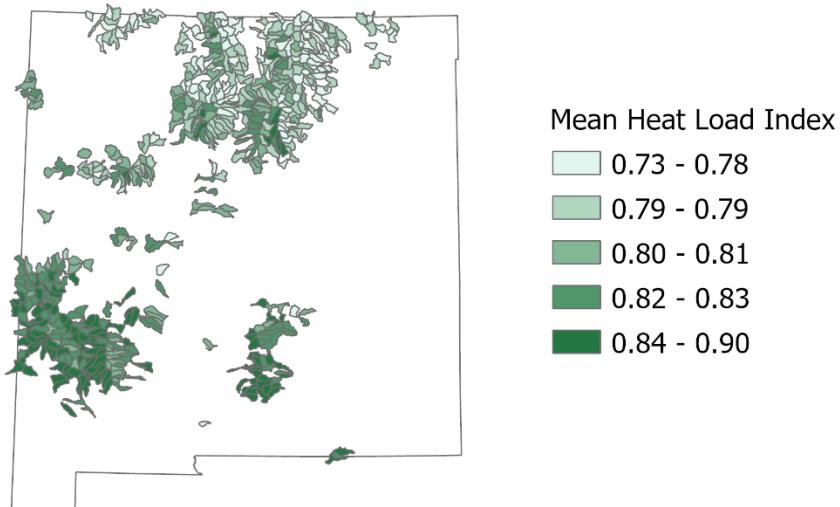
Z score
Mean Elevation (m)

- 2 to -1
- 1 to 0
- 0 to +1
- +1 to +2
- +2 to +3
- +3 to +4

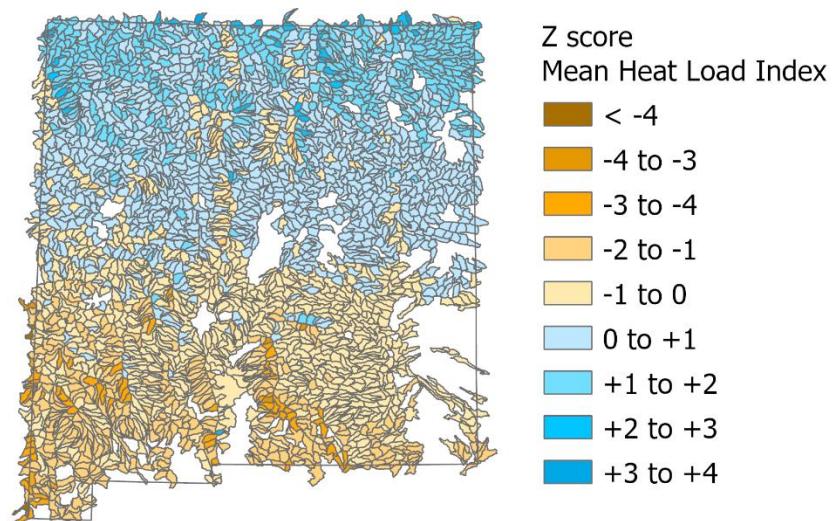
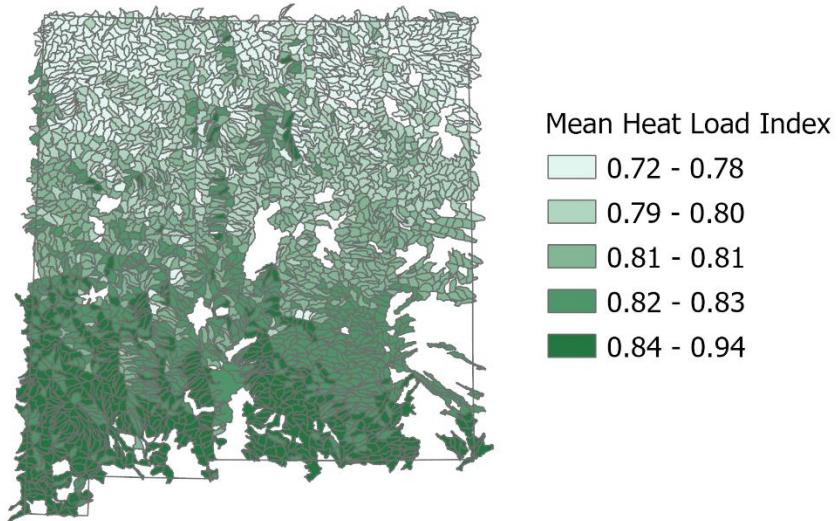
Amphibian and Reptile Habitat



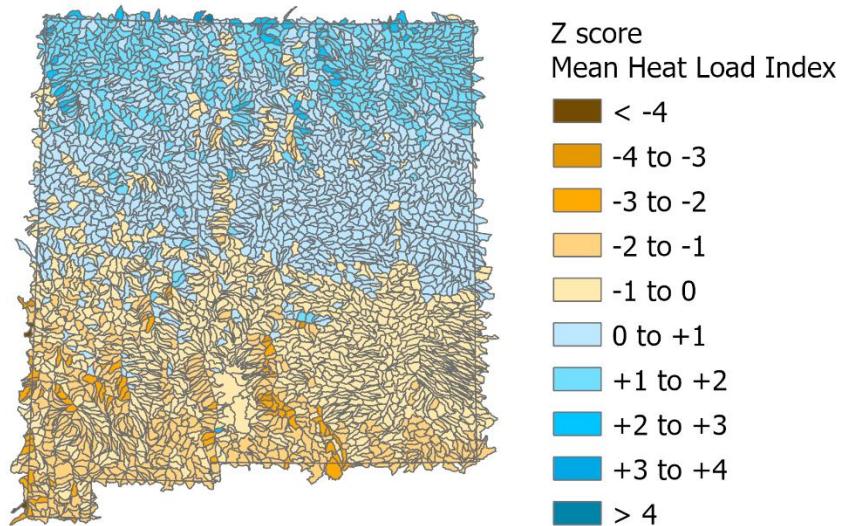
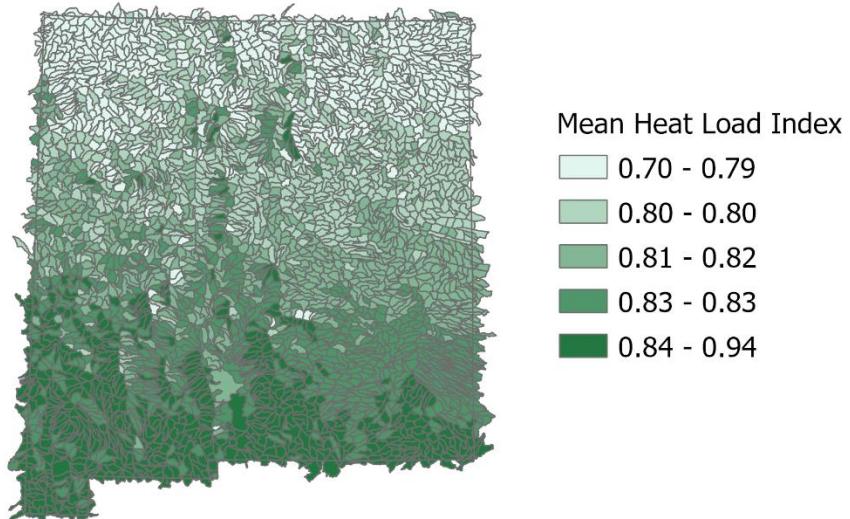
Cold-Water Fish Habitat



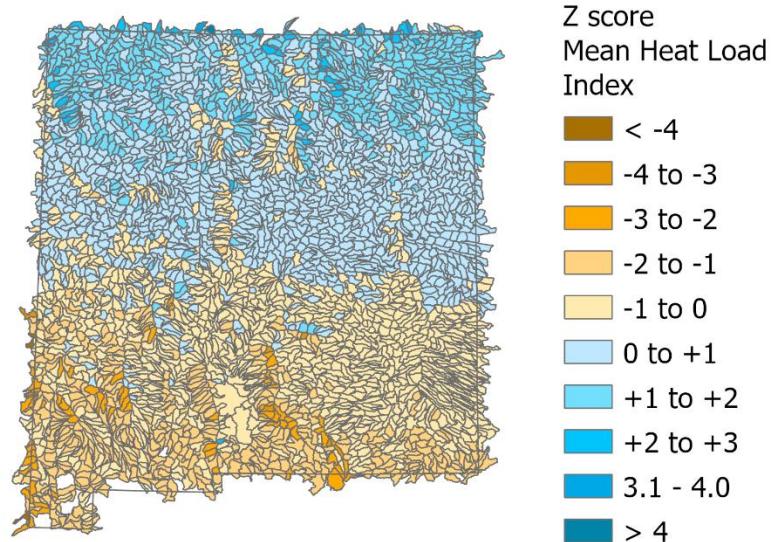
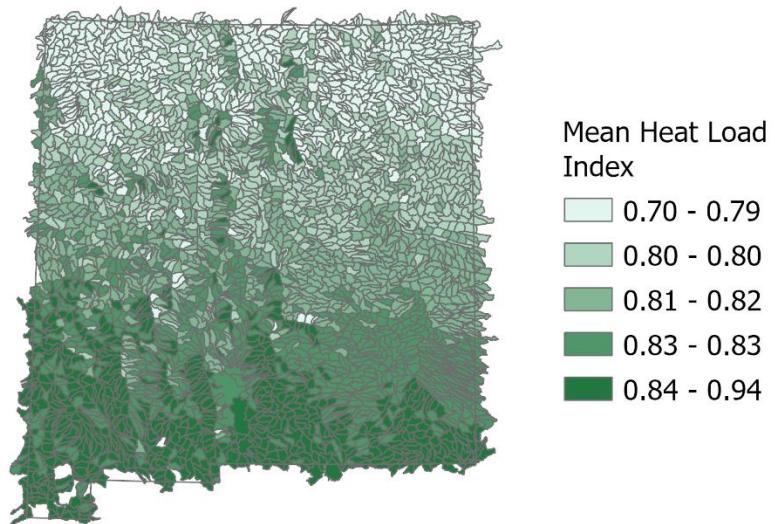
Amphibian and Reptile Habitat



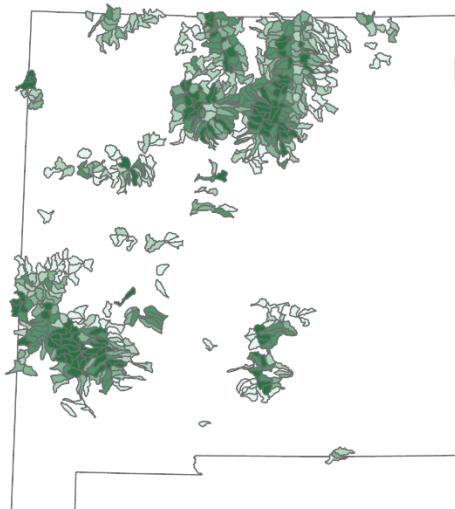
Ephemeral Catchments



Springs

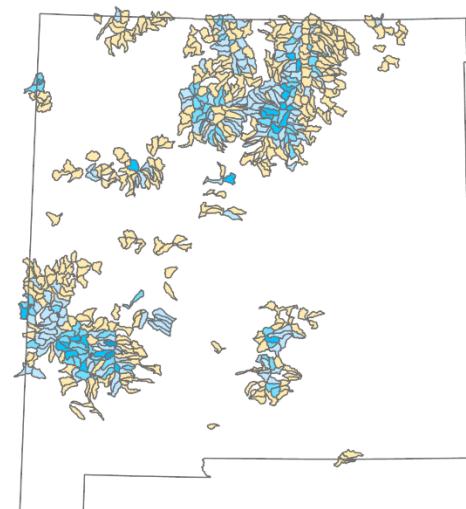


Cold-Water Fish Habitat



Mean Riparian Canopy Height (m)

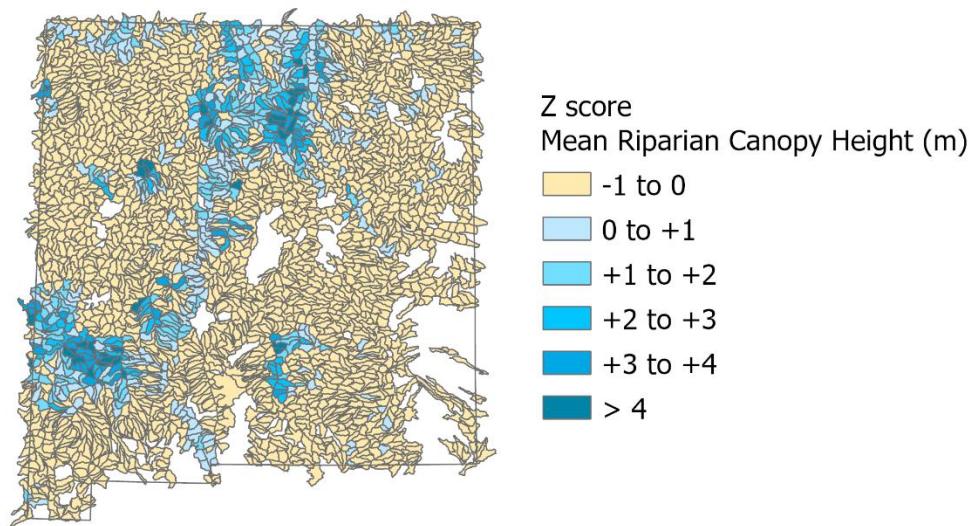
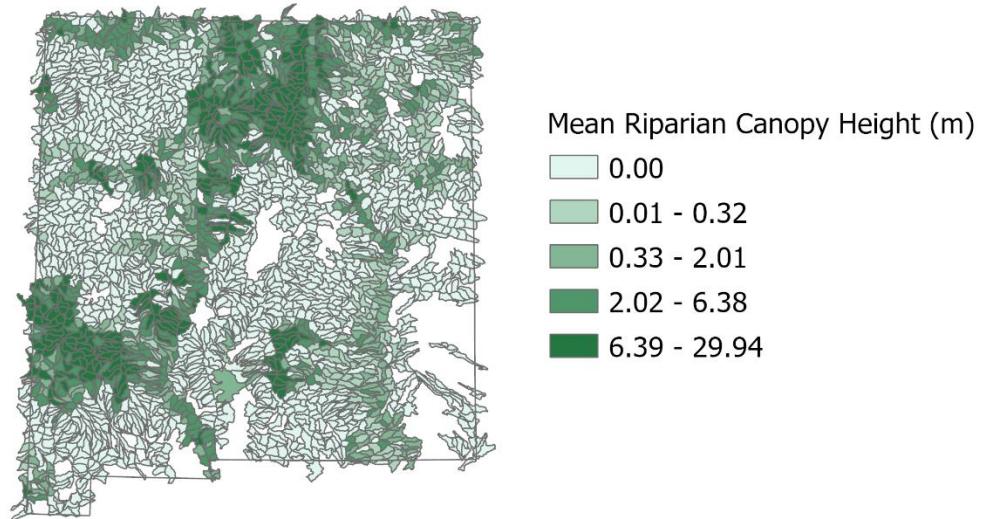
- 0.00 - 0.50
- 0.51 - 4.04
- 4.05 - 7.21
- 7.22 - 11.80
- 11.81 - 25.84



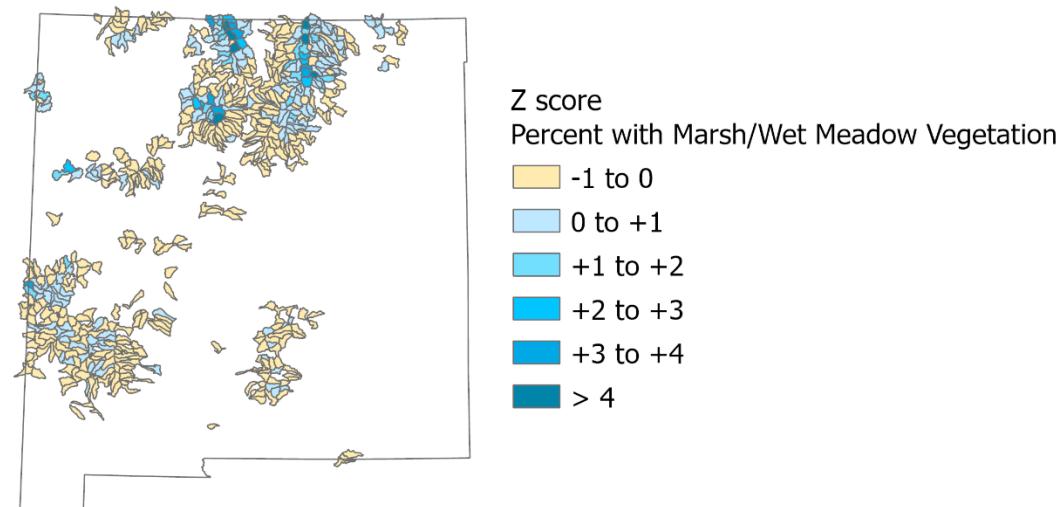
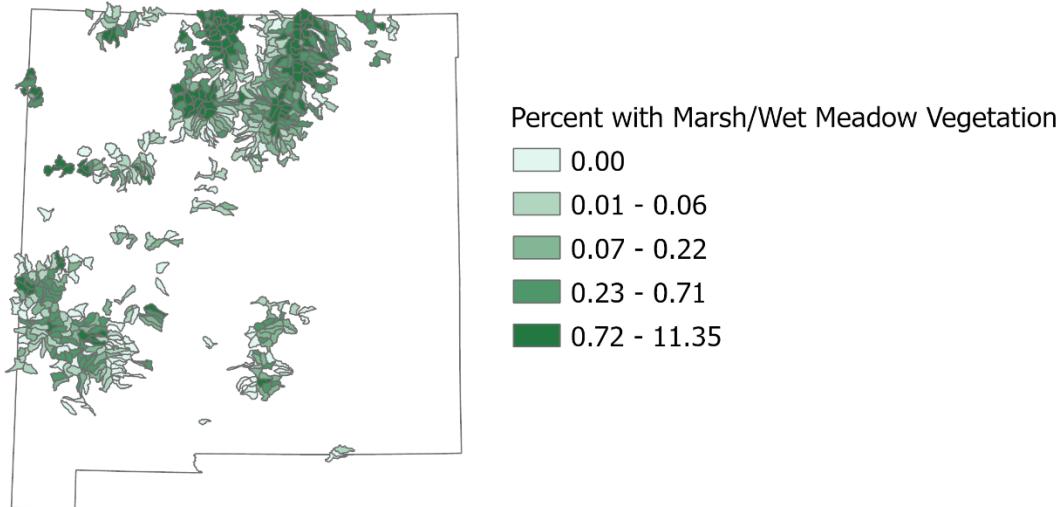
Z score
Mean Riparian Canopy Height (m)

- 1 to 0
- 0 to +1
- +1 to +2
- +2 to +3
- +3 to +4

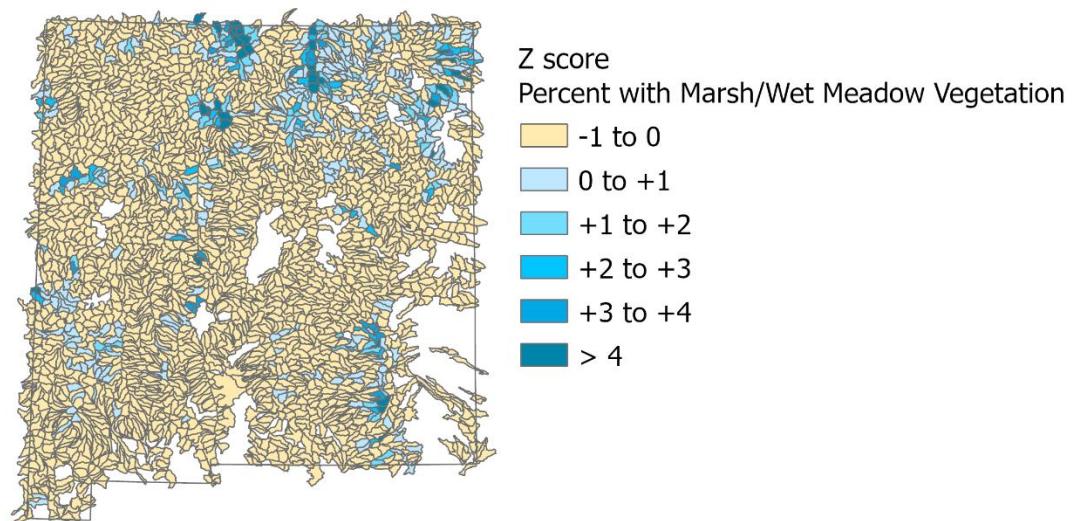
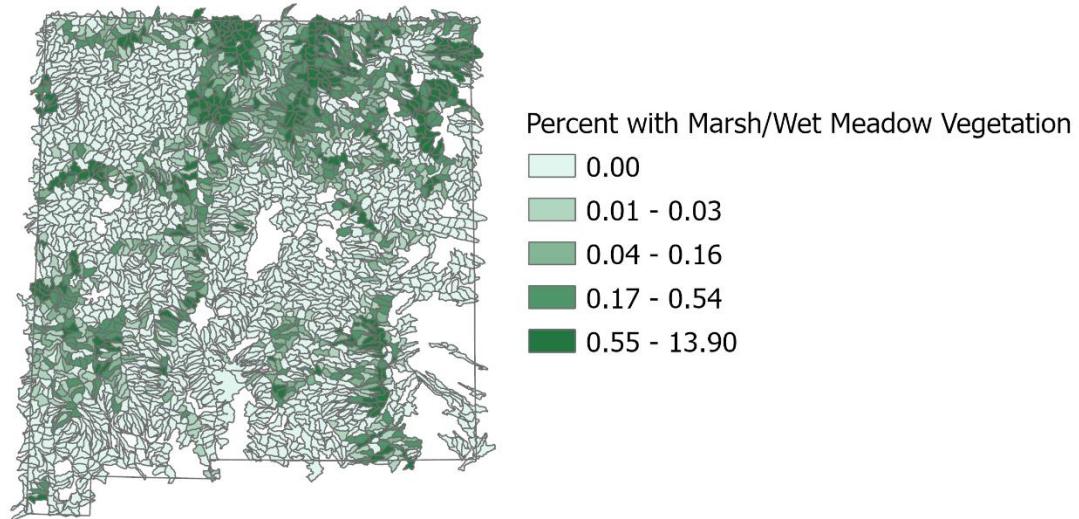
Amphibian and Reptile Habitat



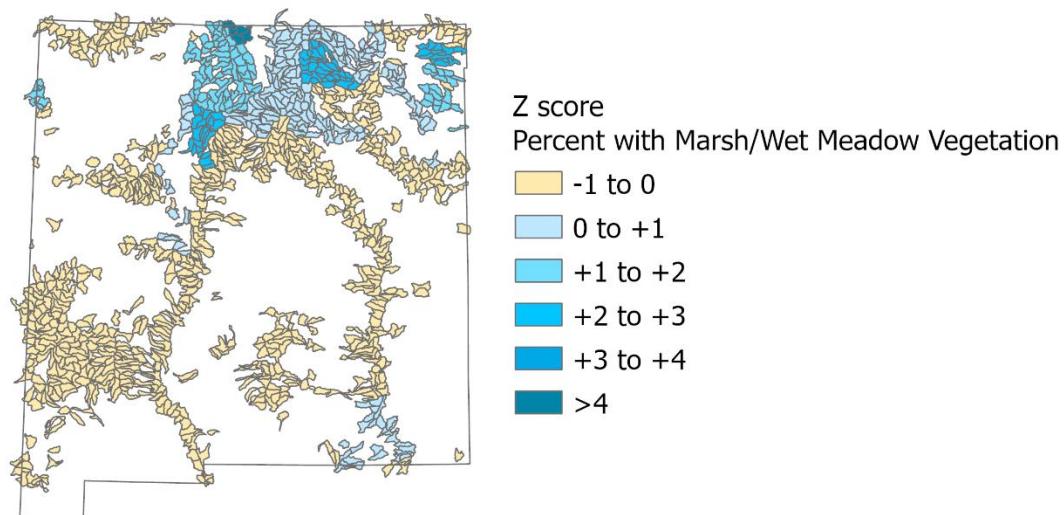
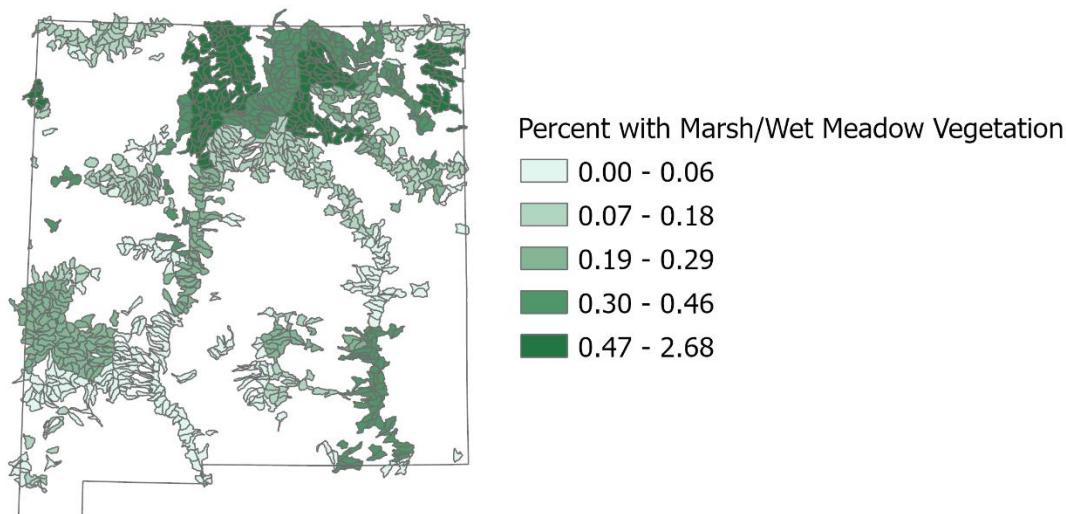
Cold-Water Fish Habitat



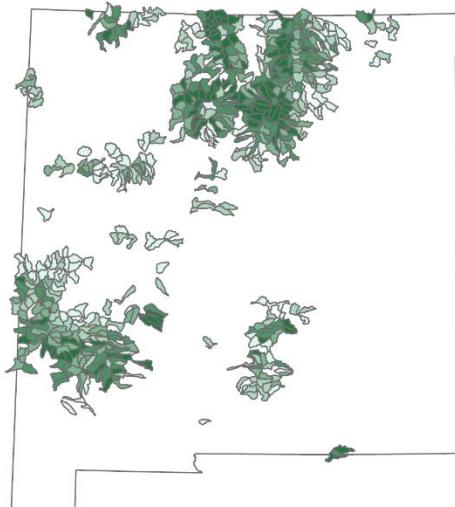
Amphibian and Reptile Habitat



Perennial Streams

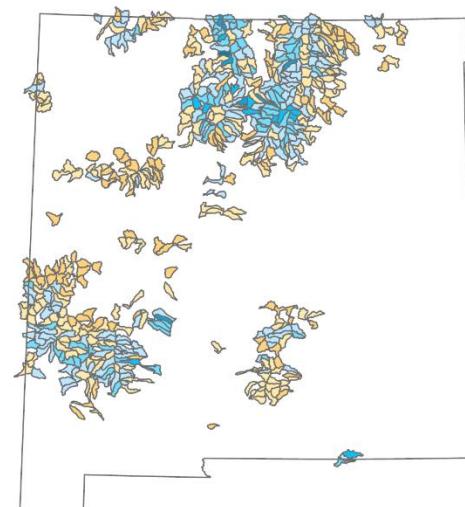


Cold-Water Fish Habitat



Percent with Riparian Woodland

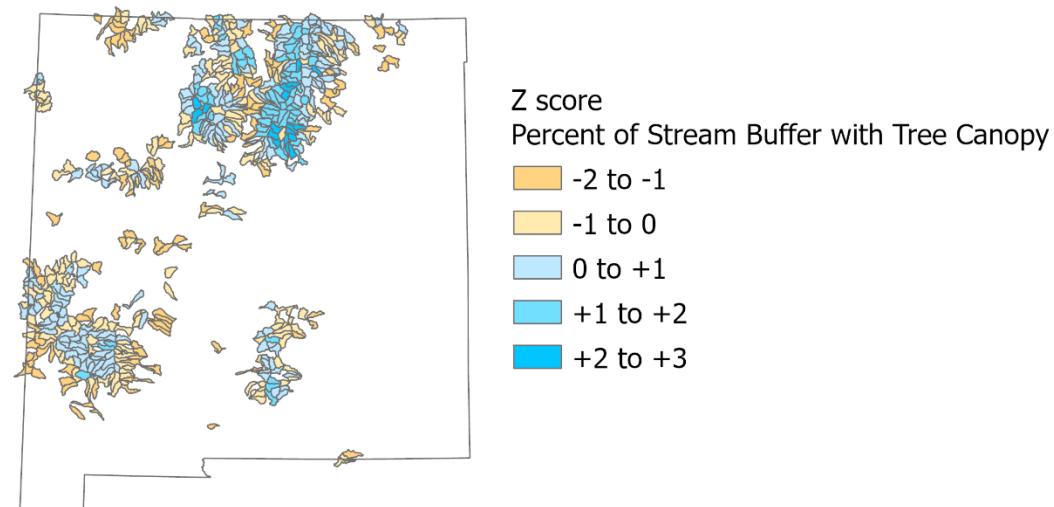
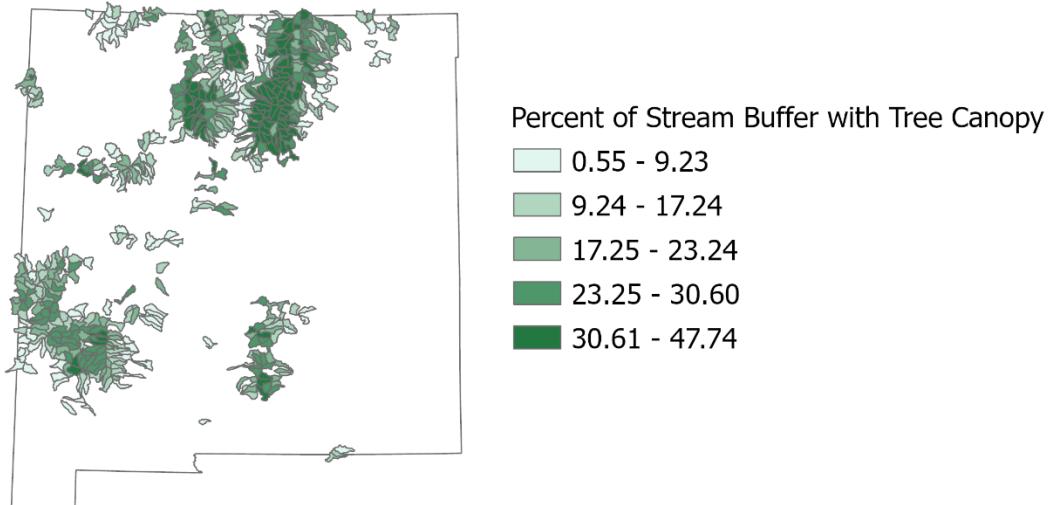
- 0.00 - 0.18
- 0.19 - 0.92
- 0.93 - 1.59
- 1.60 - 2.56
- 2.57 - 7.44



Z score
Percent with Riparian Woodland

- 2 to -1
- 1 to 0
- 0 to +1
- +1 to +2
- +2 to +3
- +3 to +4
- > 4

Cold-Water Fish Habitat



Amphibian and Reptile Habitat

