

# PJ Values

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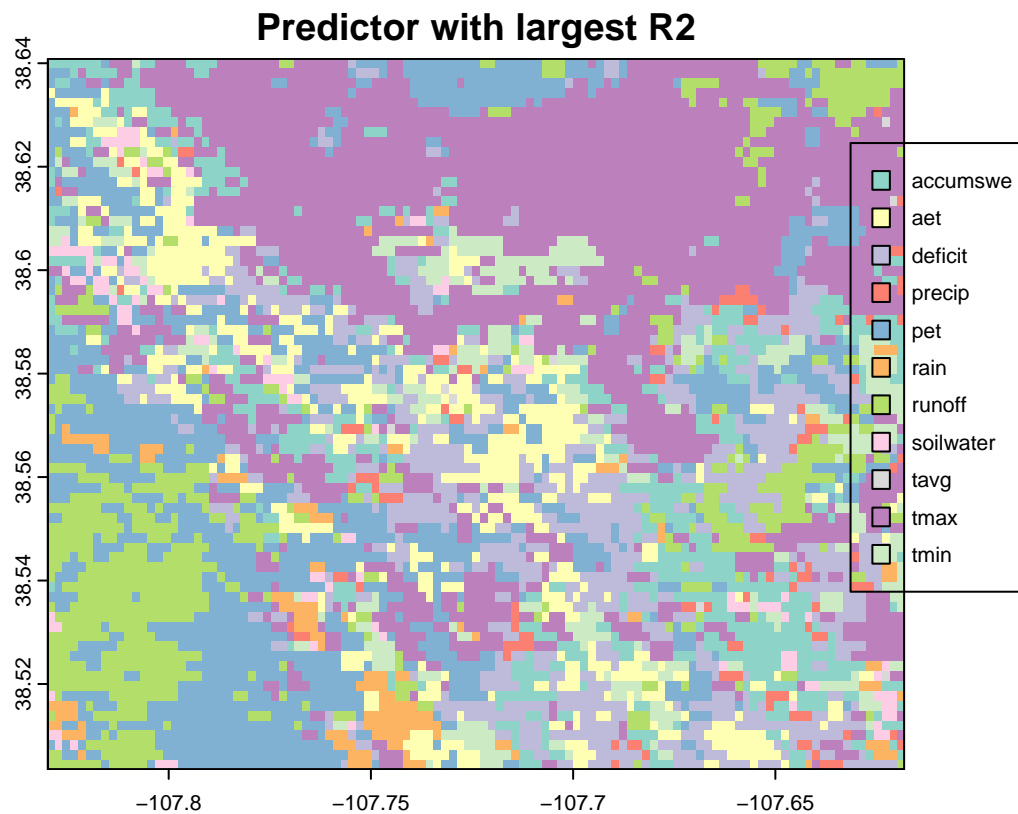
## Pinyon-Juniper Value-Vulnerability Mapping

This document is a case study for **Black Canyon of the Gunnison National Park**.

### Pivot Points

Below find the p-values and r-squared values for each water balance variable

The regression with the highest  $R^2$  for each pixel is shown below.



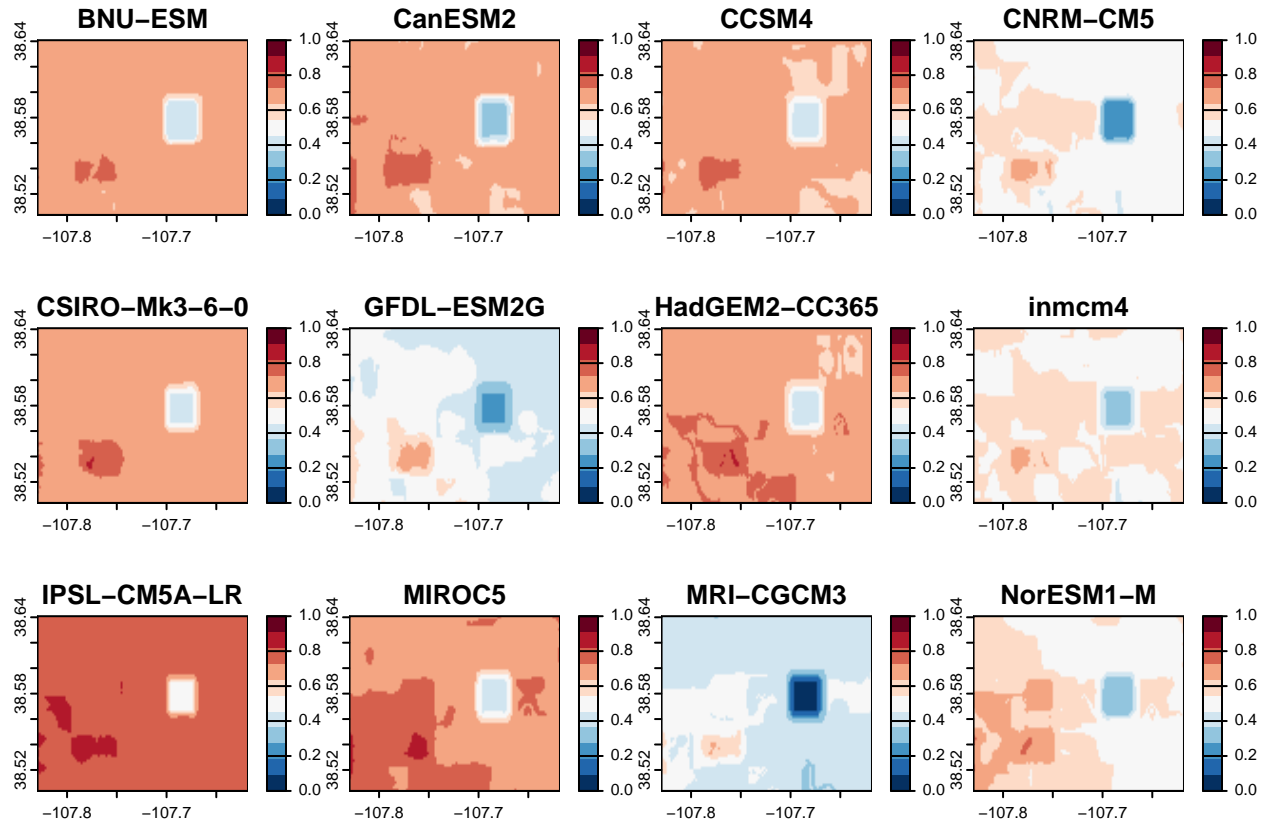
### Future Vulnerability

Choose a variable to assess the predicted values relative to the pivot point until the end of the century.

```
## [1] "Masking to Significant Relationships"
```

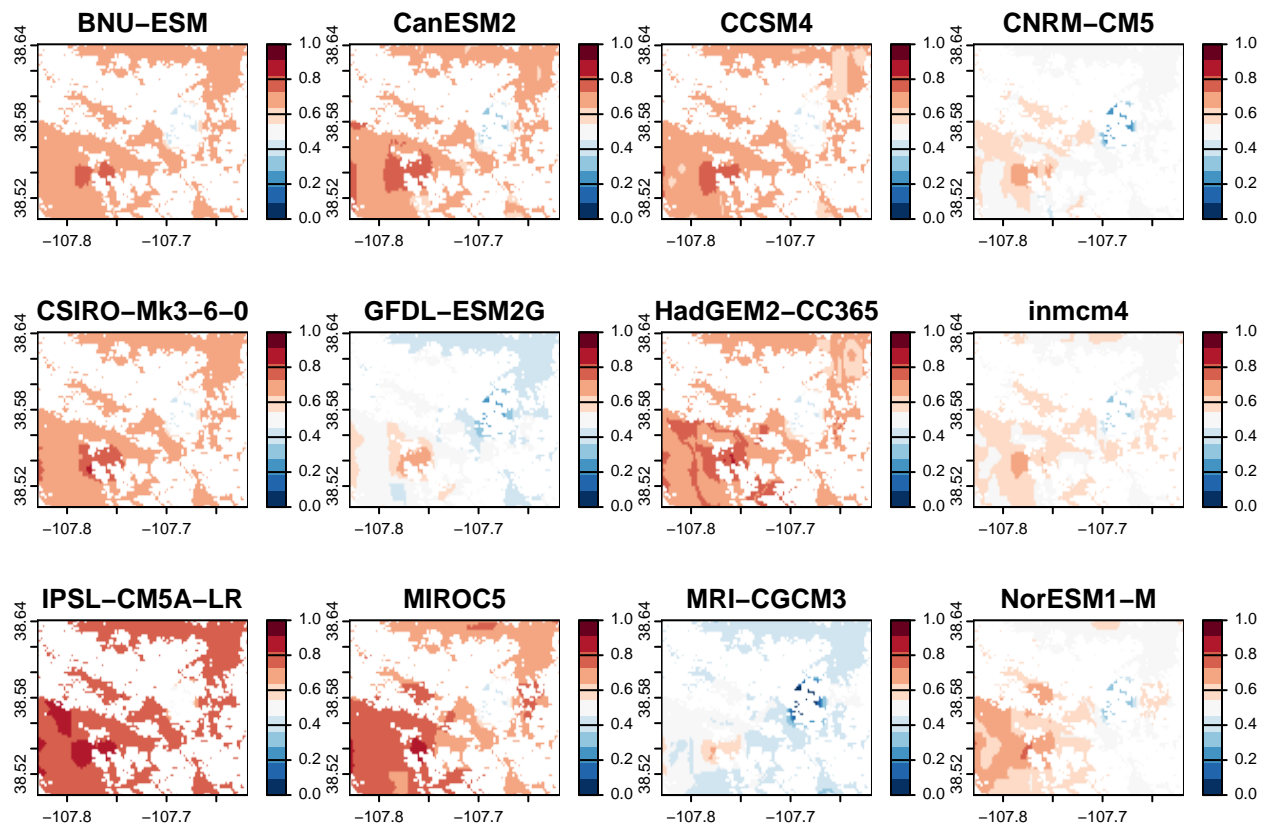
```
## Warning in RColorBrewer::brewer.pal(n = 72, name = "RdBu"): n too large, allowed maximum for palette
```

```
## Returning the palette you asked for with that many colors
```



```
## Warning in RColorBrewer::brewer.pal(n = 72, name = "RdBu"): n too large, allowed maximum for palette
```

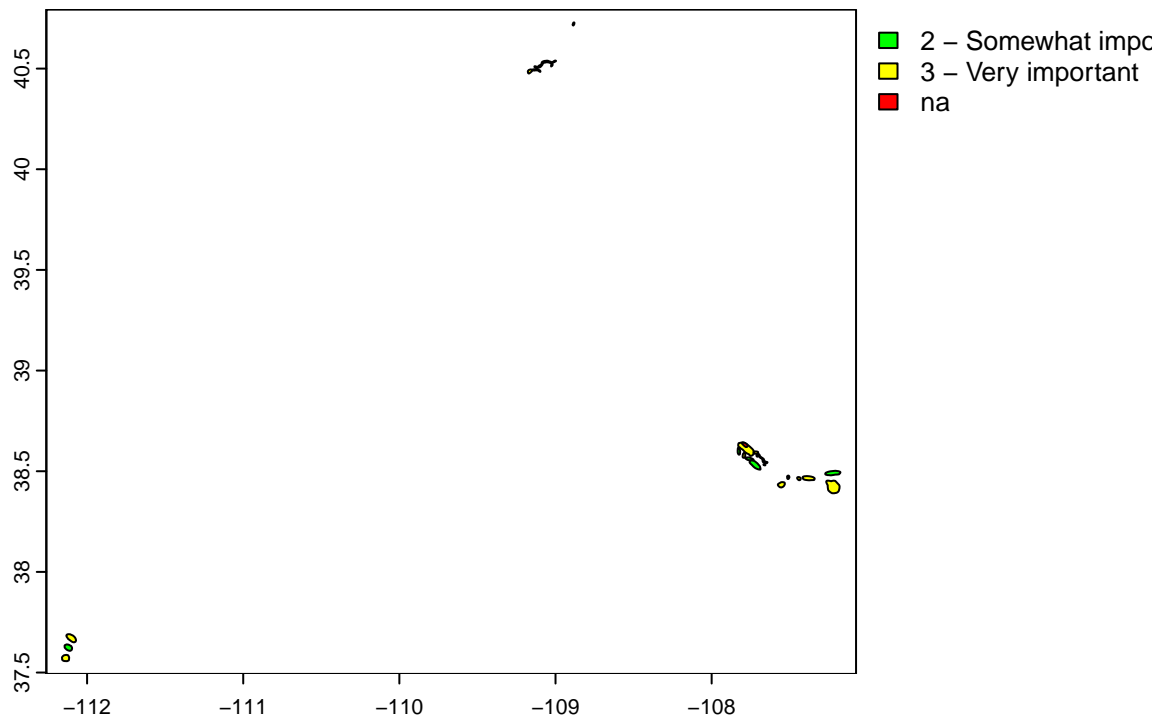
```
## Returning the palette you asked for with that many colors
```



## Pinyon-Juniper Values

Read in the value scores assigned by park experts

```
## Warning: [vect] Z coordinates ignored
```



## Value-Vulnerability Map

Finally, plot the vulnerability scores against values to determine an appropriate management approach in the “resist, accept, direct” framework.

