

Visibility of the Rockies

A GIS analysis by William Hecker IV

Audience

- Geographers
- Development Planners
- Travelers
- Future Analysts
- Curious Individuals

Purpose

- Promote Cultural Exploration
- Inform
- Provide Data



Need

- Accessibility of Information
- Planning Development Around Visibility
- A Better Understanding of Cultural Connections to the Mountains
 - For Geographers
 - For Citizens



Approach

- GIS Analysis | Some Particulars from “Increasing territorial planning activities through viewshed analysis.” Hognogi et. al. (2022).
- Embedded Maps on a Website
- 4 States:
 - Montana
 - Wyoming
 - Colorado
 - New Mexico



Hognogi, G.-G., Pop, A.-M., Mălăescu, S., & Nistor, M.-M. (2022). Increasing territorial planning activities through viewshed analysis. *Geocarto International*, 37(2), 627–637. <https://doi.org/10.1080/10106049.2020.1730450>

Benefits

- For Audience:
 - Providing Useful Information
 - An Accessible Dataset
- For Me:
 - Satisfying Curiosity
 - Expanding GIS skills

Costs

- For Audience:
 - Time to load the page
 - Time to read the maps
- For Me:
 - Time for Data Acquisition
 - Processing Time (3-4 hours per state)
 - Cost of GIS Software
 - Cost of Hardware



Competition

- Very little competing research:
 - Focused on a smaller scale
 - A different region
- Secret Sauce:
 - GIS Skills
 - Scale of Project
 - Web Design Skills
 - Vested Interest



Bitterroot Image by [M.](#) from [Pixabay](#)



Indian Paintbrush Image by [Jim Black](#) from [Pixabay](#)



<https://bill-cartography.neocities.org/>



Columbine Image by [Bryan Hanson](#) from [Pixabay](#)



Yucca Image by [Gabriele M. Reinhardt](#) from [Pixabay](#)

All Images have been edited to add Transparency