



Why is it important?

- Park visitation increased nearly 80% from 2000 to 2010!
- No new lodging for 20 years.
- Reservation wait times are typically 6 to 24 months.
- Limited funding and space allows for only one new lodge and two campgrounds.
- YNP first priority is to the natural landscapes and its wildlife corridors.

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 Park visitation increased nearly 80% from 2000 to 2010! At this rate there may be 4 million visitors by 2020.



- The last lodging increase was in 1990's causing typical reservation wait times of 6 to 24 months.
- Limited funding and space allows for only one new lodge and two campgrounds.
- YNP's first priority is to the natural landscapes and its wildlife corridors.

Data Used for Methods/Modeling

- Existing camping and lodge occupancies
- Points of interest
 - Camping, lodging, hiking trails, Ranger stations, geysers, hot springs, boating, horseback riding, waterfalls, scenic landscape and wildlife viewing areas.
- Yellowstone visitation statistics
- Top Ten list of attractions
- Wildlife habitat areas
- Historical seismic data

Methods in suitability factors

- Park divided into "Attraction Zones" based on number of interest points contained in the top 10 attractions of;
 - Old Faithful Geyser, Fountain Paint Pot, Norris Geyser Basin, mammoth Hot Springs, Tower Fall, Lamar Canyon, Canyon Village, Hayden Valley, Yellowstone Lake and West Thumb Geyser Basin.
- Combine density maps of existing overnight occupancy & points of interest
- Combine density of wildlife areas and roads as limiting factors.
- Combine last two spatial analysis into final map showing suitable areas for lodging facilities.















Conclusions

- The western areas contain the lightest areas which are suitable to campsites and lodge development, not including the yellow seismic areas.
- Suitability doesn't mean buildable at this level.

Limitations and Future Considerations

- "More than four"
- Quake analysis incomplete
- Suitability doesn't mean buildable at this level.
- Literary research suggests that any further occupancy for park visitors will actually be outside of park limits due to a heated mixture of commercial and environmental pressures, making this null and void.

References (data source)

- - → Yellowstone National Park boundary, roads, rivers, populated areas, bear mgmt areas, campsites, patrol cabins, bathymetry, trails.

- → Visitation, lodging & campsite statistics

References (review articles)

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