NORTH DAKOTA ATLAS

Lindsey Wingate

University of North Dakota

ABSTRACT

The North Dakota Atlas is a collaborative project between the Departments of American Indian Studies, Anthropology, Biology, Communications, Computer Science, History, Integrated Studies, and Religious Studies seeking to create an online atlas. The purpose of the atlas is to engage an interdisciplinary group of students in experiential and collaborative learning to map demographic, economic, and social changes across the state. It will be an important resource for policy makers, community members, and K-12 colleagues and students. It will also expand students' education experiences with significant community engagement and impact. Finally, it will provide a tangible product for public consumption to increase participation of the public as informed citizens.

Index Terms— Introduction, Approach, Conclusion, References

1. INTRODUCTION

This literature review includes articles focused on the design goals of the project: simplicity, usability, efficiency, focus on the works of students, and artistic design.

2. APPROACH

I. Information on maps online.
   a. source 1: The North Dakota Atlas project was created with the hope that North Dakotan history can be compiled into one simple, usable webpage. According to Daniel Richard, author of "10 Web Atlases – Internet Atlas of Switzerland," an atlas is a bound collection of maps...At the moment several dozens atlases can be found on the Web. most of these atlases consist of only a few maps, mostly raster maps".
   b. source 2: Web Cartography.
      i. settings and needs for web cartography
         1. "Maps can play the traditional role of providing insight into geospatial patterns and relations."
            a. also can be considered relations between the people and the land, history, etc.
      ii. trends in cartography
         1. there is a need for interactivity and dynamics in our webpages/maps
            a. future plans to develop more maps with JS that are interactive.
      iii. use of maps on the web
         1. "Communication is described as "public visual communication" since it concerns maps aimed at a wide audience."
      iv. web maps and atlases
   c. source 3: The Impact of Visual Layout Factors on Performance in Web Pages: A Cross-Language Study
      i. the overall screen organization or layout is cosidered to have a major impact on task performance.
         1. currently, the atlas pages work to stay simple while focusing on ND elements (backgrounds focus on ND landscapes, etc)
   d. source 4: B2B Web Design Agency
      i. creative principles that manifest in popularity today
   e. source 5: bootstrap
      i. review the clean, easy elements
      ii. commonly used. sometimes can appear overdone but elements can be flexible
   f. source 6: CSS Tutorial, w3schools
   g.
What people have said and done, where I fit in.

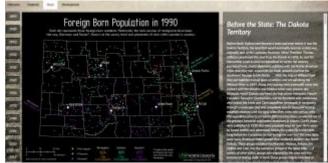## 3. CONCLUSION

The impact the North Dakota Atlas may have

4. REFERENCES

[1] 10 Web Atlases – Internet Atlas of Switzerland. Daniel Richard

[2] Web Cartography- Development and Prospects. Menno-Jan Kraak and Allan Brown.

[3] The Impact of Visual Layout Factors on Performance in Web Pages: A Cross-Language Study. Parush, Avi. Shwarts, Yonit; Shtub, Avy; Chandra, m Jeya

[4] B2B Web Design Agency Reveals 7 Web Design Trends that Died in 2015: Creative principal of B2B web design firm, Bop Design, release 7 web design trends….

[5] Bootstrap.com

[6] W3Schools.com

Graphics
to be included…

1.1 displays the simple and important design elements

1.2 displays a display trend today (B2B)