North Arm of the Salt Lake WebQuest

Instructions: Follow the links below and each instruction with it. Make note of *interesting phenomena, special circumstances, and interrelationships between agencies* related to the North Arm of the Salt Lake.

1. Genetic Science Learning Center
   a. [http://learn.genetics.utah.edu/content/gsl/micro/](http://learn.genetics.utah.edu/content/gsl/micro/)
      i. Click on Gunnison Bay and investigate what caused the physical and biological isolation

2. Dia Art Foundation
   a. [http://diaart.org/visit/visit/robert-smithson-spiral-jetty](http://diaart.org/visit/visit/robert-smithson-spiral-jetty)
   b. Here you can find **directions to the Spiral Jetty**, history of Robert Smithson’s work, and aerial pictures when lake levels were higher
      i. Click on Partnerships and explore how Dia works with other entities to protect and preserve the Spiral Jetty.

3. Golden Spike National Monument
   a. [https://www.nps.gov/gosp/index.htm](https://www.nps.gov/gosp/index.htm)
      i. Explore the meeting of the Intercontinental Railroad and the impact of the railroad on the GSL

4. Bear River Migratory Bird Refuge
   a. [https://www.fws.gov/refuge/bear_river_migratory_bird_refuge/](https://www.fws.gov/refuge/bear_river_migratory_bird_refuge/)
      i. Read through the ‘About the Refuge’ page and the ‘Seasons of Wildlife’ page.

5. Halophiles in Hypersaline environments
   a. [http://serc.carleton.edu/microbelife/extreme/hypersaline/index.html](http://serc.carleton.edu/microbelife/extreme/hypersaline/index.html)
   b. Here you will find detailed information on the biology of halophilic bacteria
      i. Read through the page, then click on the Mono Lake link at the bottom of the page and create a Compare/Contrast model for the North Arm and Mono Lake.

6. Causeway Breach
      i. What can you predict will happen to water levels and ecosystems in the near future with the breach?

7. Gunnison Island Pelican tracker, Pelitrak
   a. [https://wildlife.utah.gov/pelican_webmap/](https://wildlife.utah.gov/pelican_webmap/)
      i. Investigate the project and track pelicans’ migration patterns.

8. The Standard Examiner compilation of GSL articles and resources
   a. [http://www.standard.net/Great-Salt-Lake](http://www.standard.net/Great-Salt-Lake)
      i. Investigate different areas of the lake with the interactive map, but especially the 2 cases in the North Arm.
      ii. Click on the Pelican story to explore how pelicans can become endangered with the changing water levels.
      iii. Click on the Drought story to explore why climate change is not the only concern for falling lake levels.