**Erica Jansen and Jacob Shay**

**May 6th, 2019**

**Final Project Design Sheet**

**1) Your web site purpose (include intended audience and identify cartographic message(s))**

The purpose of our web site is to provide detailed information on mining sites throughout the United States, with a specific focus on mining within the United States. The intended audience for this website is anyone with an interest in mining. The audience will also include any interested residents who would like to know more about mining, especially if they reside in an area that is in close proximity to a mine. The cartographic message of our website is to show the distribution patterns of mining sites across the US, as well as the distribution of sites statewide each individual state.

**2) A brief listing of your data sources, data and classifications (if applicable), and base maps and projections used, and**

Mineplant shapefile: <https://mrdata.usgs.gov/mineplant/>

States shapefile: <https://www.arcgis.com/home/item.html?id=f7f805eb65eb4ab787a0a3e1116ca7e5>

Projections:

US Contiguous projection used: North\_America\_Albers\_Equal\_Area\_Conic

Alabama projection used: NAD\_1983\_2011\_StatePlane\_Alabama\_East\_FIPS\_0101

Alaska projection used: NAD\_1983\_2011\_Alaska\_Albers

Arizona projection used: NAD\_1983\_2011\_StatePlane\_Arizona\_Central\_FIPS\_0202

Arkansas projection used: NAD\_1983\_2011\_StatePlane\_Arkansas\_North\_FIPS\_0301

California projection used: NAD\_1983\_NSRS2007\_California\_Teale\_Albers

Colorado projection used: NAD\_1983\_2011\_StatePlane\_Colorado\_Central\_FIPS\_0502

Connecticut projection used: NAD\_1983\_2011\_StatePlane\_Connecticut\_FIPS\_0600

Delaware projection used: NAD\_1983\_2011\_StatePlane\_Delaware\_FIPS\_0700

District of Columbia projection used: NAD\_1983\_2011\_StatePlane\_Maryland\_FIPS\_1900

Florida projection used: NAD\_1983\_2011\_Florida\_GDL\_Albers

Georgia projection used: NAD\_1983\_Georgia\_Statewide\_Lambert

Hawaii projection used: Hawaii\_Albers\_Equal\_Area\_Conic

Idaho projection used: NAD\_1983\_Idaho\_TM

Illinois projection used: NAD\_1983\_2011\_StatePlane\_Illinois\_East\_FIPS\_1201

Indiana projection used: NAD\_1983\_2011\_StatePlane\_Indiana\_East\_FIPS\_1301

Iowa projection used: NAD\_1983\_2011\_StatePlane\_Iowa\_North\_FIPS\_1401

Kansas projection used: NAD\_1983\_2011\_Kansas\_LCC

Kentucky projection used: NAD\_1983\_2011\_StatePlane\_Kentucky\_FIPS\_1600

Louisiana projection used: NAD\_1983\_2011\_StatePlane\_Louisiana\_North\_FIPS\_1701

Maine projection used: NAD\_1983\_2011\_Maine\_2000\_Central\_Zone

Maryland projection used: NAD\_1983\_2011\_StatePlane\_Maryland\_FIPS\_1900

Massachusetts projection used: NAD\_1983\_2011\_StatePlane\_Massachusetts\_Mainland\_FIPS\_2001

Michigan projection used: NAD\_1983\_2011\_Michigan\_GeoRef\_Meters

Minnesota projection used: NAD\_1983\_NSRS2007\_StatePlane\_Minnesota\_Central\_FIPS\_2202\_Ft\_US

Mississippi projection used: NAD\_1983\_2011\_Mississippi\_TM

Missouri projection used: NAD\_1983\_2011\_StatePlane\_Missouri\_Central\_FIPS\_2402

Montana projection used: NAD\_1983\_2011\_StatePlane\_Montana\_FIPS\_2500

Nebraska projection used: NAD\_1983\_2011\_StatePlane\_Nebraska\_FIPS\_2600

Nevada projection used: NAD\_1983\_2011\_StatePlane\_Nevada\_Central\_FIPS\_2702

New Hampshire projection used: NAD\_1983\_2011\_StatePlane\_New\_Hampshire\_FIPS\_2800

New Jersey projection used: NAD\_1983\_2011\_StatePlane\_New\_Jersey\_FIPS\_2900

New Mexico projection used: NAD\_1983\_2011\_StatePlane\_New\_Mexico\_Central\_FIPS\_3002

New York projection used: NAD\_1983\_2011\_StatePlane\_New\_York\_Central\_FIPS\_3102

North Carolina projection used: NAD\_1983\_2011\_StatePlane\_North\_Carolina\_FIPS\_3200

North Dakota projection used: NAD\_1983\_2011\_StatePlane\_North\_Dakota\_North\_FIPS\_3301

Ohio projection used: NAD\_1983\_2011\_StatePlane\_Ohio\_North\_FIPS\_3401

Oklahoma projection used: NAD\_1983\_2011\_StatePlane\_Oklahoma\_North\_FIPS\_3501

Oregon projection used: NAD\_1983\_2011\_Oregon\_Statewide\_Lambert

Pennsylvania projection used: NAD\_1983\_2011\_StatePlane\_Pennsylvania\_North\_FIPS\_3701

Rhode Island projection used: NAD\_1983\_2011\_StatePlane\_Rhode\_Island\_FIPS\_3800

South Carolina projection used: NAD\_1983\_2011\_StatePlane\_South\_Carolina\_FIPS\_3900

South Dakota projection used: NAD\_1983\_2011\_StatePlane\_South\_Dakota\_North\_FIPS\_4001

Tennessee projection used: NAD\_1983\_2011\_StatePlane\_Tennessee\_FIPS\_4100

Texas projection used: NAD\_1983\_2011\_Texas\_Centric\_Mapping\_System\_Albers

Utah projection used: NAD\_1983\_2011\_StatePlane\_Utah\_Central\_FIPS\_4302

Vermont projection used: NAD\_1983\_2011\_StatePlane\_Vermont\_FIPS\_4400

Virginia projection used: NAD\_1983\_2011\_Virginia\_Lambert

Washington projection used: NAD\_1983\_2011\_StatePlane\_Washington\_North\_FIPS\_4601

West Virginia projection used: NAD\_1983\_2011\_StatePlane\_West\_Virginia\_North\_FIPS\_4701

Wisconsin projection used: NAD\_1983\_2011\_Wisconsin\_TM

Wyoming projection used: NAD\_1983\_2011\_StatePlane\_Wyoming\_East\_Central\_FIPS\_4902

**3) Anything that is pertinent to your project, such as creative use of other software packages, alternative layout techniques not discussed in class, acknowledgement of special assistance, or any other pertinent item(s) that you wish to communicate to me. If you include maps or link to maps that are not made by your team, you must clearly document which maps are student made (and which are not).**

Discuss ArcMap API usage here (this is extra graduate requirement)

Attempts to integrate the ArcMap API into the project has been unsuccessful. In order to accommodate the graduate requirement a javascript interactive image selection for each state and selecting between display of: all points, mineral points, sand and gravel points. Assistance in the learning javascript formatting order for html item selection comes from the forums of Stack Overflow.

<https://stackoverflow.com/>