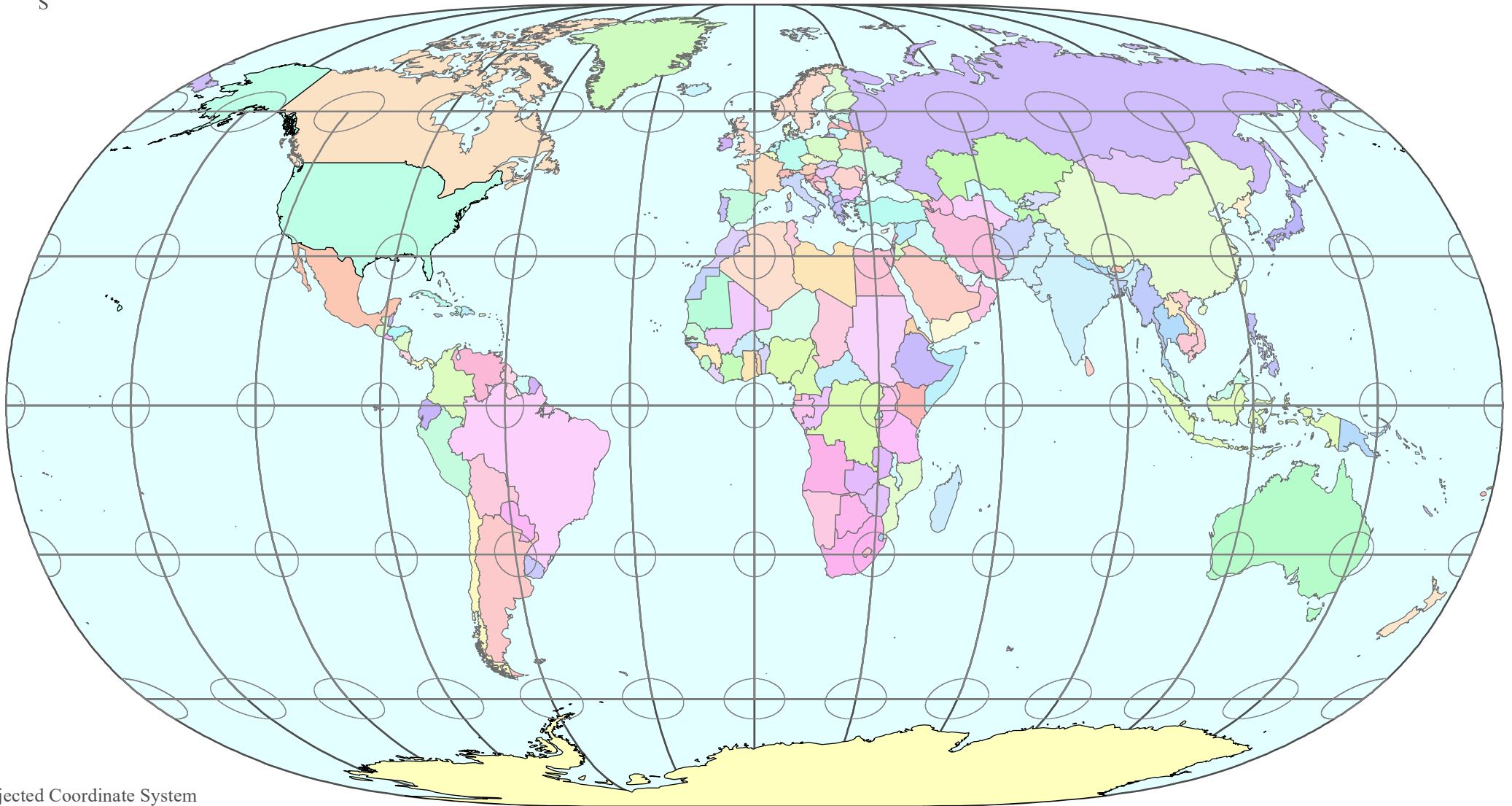




# Map of the World



Projected Coordinate System

World\_Natural\_Earth\_II  
WKID: 54078 Authority: Esri

Projection: Natural\_Earth\_II  
False\_Easting: 0.0  
False\_Northing: 0.0  
Central\_Meridian: 0.0  
Linear Unit: Meter (1.0)

Geographic Coordinate System: GCS\_WGS\_1984  
Angular Unit: Degree (0.0174532925199433)  
Prime Meridian: Greenwich (0.0)  
Datum: D\_WGS\_1984  
Spheroid: WGS\_1984  
Semimajor Axis: 6378137.0  
Semiminor Axis: 6356752.314245179  
Inverse Flattening: 298.257223563

0 850 1,700 3,400 5,100  
Miles

For this map project I chose to use the Natural\_Earth\_II projection of the world because it displays the Earth as a partially spherical shape similar to the Earth's true shape. Also this map allows for as little distortion as possible along the equator where the majority of the continents are located. I colored the map to be appealing to a younger audience, I think color coding the different countries will aid in shape recognition learning.

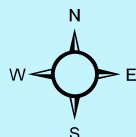
EmmaTrockey  
09-05-17

# Peru and Bolivia

I chose to use the Goode Homolosine (Land) World projection for this map project because I thought it kept the shapes of Peru and Bolivia with the least amount of distortion. I can tell there is little to no distortion to these countries because the Tissot Ellipses remained in a circular shape.

Peru

Bolivia



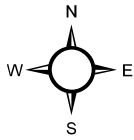
Coordinate System Information:  
World\_Goode\_Homolosine\_Land  
WKID: 54052 Authority: Esri

Projection: Goode\_Homolosine  
False\_Easting: 0.0  
False\_Northing: 0.0  
Central\_Meridian: 0.0  
Option: 1.0  
Linear Unit: Meter (1.0)

Geographic Coordinate System: GCS\_WGS\_1984  
Angular Unit: Degree (0.0174532925199433)  
Prime Meridian: Greenwich (0.0)  
Datum: D\_WGS\_1984  
Spheroid: WGS\_1984  
Semimajor Axis: 6378137.0  
Semiminor Axis: 6356752.314245179  
Inverse Flattening: 298.257223563

0 75 150 300 450 600 Miles

# WATERFOWL SPECIES IN THE UNITED STATES



Projection Information:  
World\_Goode\_Homolosine\_Land  
WKID: 54052 Authority: Esri

Projection: Goode\_Homolosine  
False\_Easting: 0.0  
False\_Northing: 0.0  
Central\_Meridian: 0.0  
Option: 1.0  
Linear Unit: Meter (1.0)

Geographic Coordinate System: GCS\_WGS\_1984  
Angular Unit: Degree (0.0174532925199433)  
Prime Meridian: Greenwich (0.0)  
Datum: D\_WGS\_1984  
Spheroid: WGS\_1984  
Semimajor Axis: 6378137.0  
Semiminor Axis: 6356752.314245179  
Inverse Flattening: 298.257223563

I selected the World Goode\_Homolosine\_Land projection for this basemap about waterfowl species per square kilometer because this projection focuses on maintaining accurate area for land masses. I think it's important to have an accurate representation of area since I am displaying measured data in kilometers with this map.

0 250 500 1,000 1,500 2,000  
Kilometers

Emmaline Trockey  
9/11/17

Projection: World Goode Homolosine Land