## Activity 4: Data Download Practice

## Time: Fifteen minutes

**Goal:** While data for Lab 1 is provided for you on Canvas, it's important to practice downloading and unzipping datasets. In this activity, you'll download two data sets that may be useful down the line!

Activity: Natural Earth is an incredible repository for global geospatial datasets.

- 1. Go to the Natural Earth website: <u>https://www.naturalearthdata.com/</u>
- 2. Select *Get the Data* and explore what's available.
- 3. Select *Cultural* under Large Scale Data, 1:10m https://www.naturalearthdata.com/downloads/10m-cultural-vectors/
- 4. Download the data for US National Parks. This will save to your downloads as a zip file.
- 5. Copy this zip file.
- 6. Make a folder for Mapping Activity 4 on your hard drive or flash drive and paste your zip file into this folder.
- 7. Unzip the zip file. For Macs, double click on zip file to extract. For PCs, right click on zip file and choose Extract Here.
  - a. Note: There are 4 .shp files, which means that you now have access to four shapefiles related to National Parks.
- 8. Repeat this process for one additional dataset of your choosing!
- 9. Take a screenshot of your datasets in the Mapping Activity 4 folder.

Natural Earth provides shapefiles to import into ArcGIS. This file type is a bit messy and consists of several files that work together. Each of these files is crucial to correctly displaying your data, so make sure you keep their names and transfer them carefully! It's important to note that shapefiles are just one file type for geospatial information!

**Notes:** You do NOT have to load this data into ArcMap for credit. Hold onto this data. You can always add it to one of your maps later!

**Submit:** Take a screenshot of the raw data that you downloaded. Your data should be unzipped and placed in a folder called Mapping Activity 4. Submit to Canvas.

## Example Submission:

	Mapping Activity 4			
< >		Q Search	Q Search	
Back/Forward	View Arrange Action Share Edit Tags	Search		
Favorites	Name	Date Modified v Size	Kind	
AirDrop	🔻 🛅 ne_10m_roads	Jun 1, 2019 at 2:16 PM	- Folder	
	ne_10m_roads.README.html	May 21, 2018 at 12:26 AM 25 K	B HTML	
iCloud Drive	ne_10m_roads.VERSION.txt	May 21, 2018 at 12:26 AM 7 byte	s Plain Text	
Applications	ne_10m_roads.dbf	Oct 1, 2017 at 9:27 PM 41.9 M	B Document	
Desktop	ne_10m_roads.shp	Oct 1, 2017 at 9:27 PM 14.5 M	B ESRI Scume	
	ne_10m_roads.shx	Oct 1, 2017 at 9:27 PM 453 K	B Document	
Documents	ne_10m_roads.prj	Aug 12, 2017 at 5:32 PM 145 byte	s Document	
Downloads	ne_10m_roads.cpg	Aug 12, 2017 at 4:47 PM 5 byte	s Document	
Creative Cloud Files	ne_10m_parks_and_protected_lands	Jun 1, 2019 at 2:16 PM	- Folder	
	ne_10m_parks_and_protected_lands_area.README.html	May 21, 2018 at 12:26 AM 27 K	B HTML	
Devices	ne_10m_parks_and_protected_lands_area.VERSION.txt	May 21, 2018 at 12:26 AM 7 byte	s Plain Text	
Remote Disc	ne_10m_parks_and_protected_lands_line.README.html	May 21, 2018 at 12:26 AM 27 K	B HTML	
	ne_10m_parks_and_protected_lands_line.VERSION.txt	May 21, 2018 at 12:26 AM 7 byte	s Plain Text	
BOOTCAMP	ne_10m_parks_and_protected_lands_point.README.html	May 21, 2018 at 12:26 AM 27 K	B HTML	
pgAdmin 4 ≜	ne_10m_parks_and_protected_lands_point.VERSION.txt	May 21, 2018 at 12:26 AM 7 byte	s Plain Text	
	ne_10m_parks_and_protected_lands_scale_rank.README.html	May 21, 2018 at 12:26 AM 27 K	B HTML	
Shared	ne_10m_parks_and_protected_lands_scale_rank.VERSION.txt	May 21, 2018 at 12:26 AM 7 byte	s Plain Text	
cadebevec-pc	ne_10m_parks_and_protected_lands_area.prj	Aug 12, 2017 at 5:32 PM 147 byte	s Document	
_	ne_10m_parks_and_protected_lands_line.prj	Aug 12, 2017 at 5:32 PM 147 byte	s Document	
lags	ne_10m_parks_and_protected_lands_point.prj	Aug 12, 2017 at 5:32 PM 147 byte	s Document	
🔴 Red	ne_10m_parks_and_protected_lands_scale_rank.prj	Aug 12, 2017 at 5:32 PM 147 byte	s Document	
Orange	ne_10m_parks_and_protected_lands_area.cpg	Aug 12, 2017 at 4:51 PM 5 byte	s Document	
- Mellerer	ne_10m_parks_and_protected_lands_area.dbf	Aug 12, 2017 at 4:51 PM 51 K	B Document	
Yellow	re_10m_parks_and_protected_lands_area.shp	Aug 12, 2017 at 4:51 PM 116 K	B ESRI Scume	
Green	ne_10m_parks_and_protected_lands_area.shx	Aug 12, 2017 at 4:51 PM 588 byte	s Document	
Blue	ne_10m_parks_and_protected_lands_line.cpg	Aug 12, 2017 at 4:50 PM 5 byte		
	ne_10m_parks_and_protected_lands_line.dbf	Aug 12, 2017 at 4:50 PM 14 K	B Document	
Purple	ne_10m_parks_and_protected_lands_line.shp	Aug 12, 2017 at 4:50 PM 54 K	B ESRI Scume	
Gray	ne_10m_parks_and_protected_lands_line.shx	Aug 12, 2017 at 4:50 PM 332 byte	s Document	
All Tags	ne_10m_parks_and_protected_lands_point.cpg	Aug 12, 2017 at 4:50 PM 5 byte	s Document	
i An regs	ne 10m parks and protected lands point.dbf	Aug 12, 2017 at 4:50 PM 248 K	B Document	
	ne_10m_parks_and_protected_lands_point.shp	Aug 12, 2017 at 4:50 PM 9 K	B ESRI Scume	
	ne_10m_parks_and_protected_lands_point.shx	Aug 12, 2017 at 4:50 PM 3 K	B Document	
	ne_10m_parks_and_protected_lands_scale_rank.cpg	Aug 12, 2017 at 4:50 PM 5 byte	s Document	
	ne_10m_parks_and_protected_lands_scale_rank.dbf	Aug 12, 2017 at 4:50 PM 92 K	B Document	
	re_10m_parks_and_protected_lands_scale_rank.shp	Aug 12, 2017 at 4:50 PM 119 K		
	ne_10m_parks_and_protected_lands_scale_rank.shx	Aug 12, 2017 at 4:50 PM 980 byte	s Document	
	The ne_10m_roads.zip	Jun 1, 2019 at 2:16 PM 9.1 M		
	ne 10m_parks_and_protected_lands.zip	Jun 1, 2019 at 2:11 PM 164 K		