

Supplementary Materials for

Neuronless Knowledge Processing in Forests

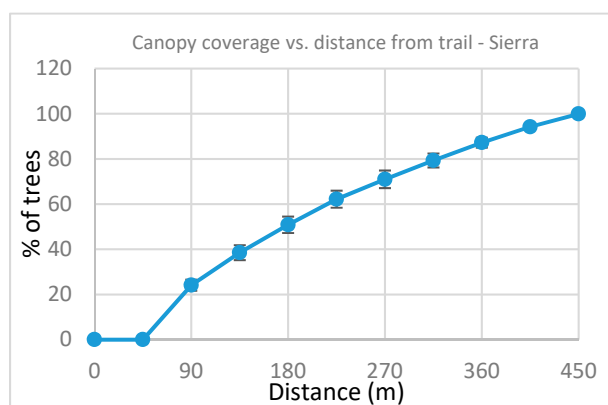
Aviv Segev, Dorothy Curtis, Christine Balili, Sukhwan Jung

Correspondence to: segev@southalabama.edu

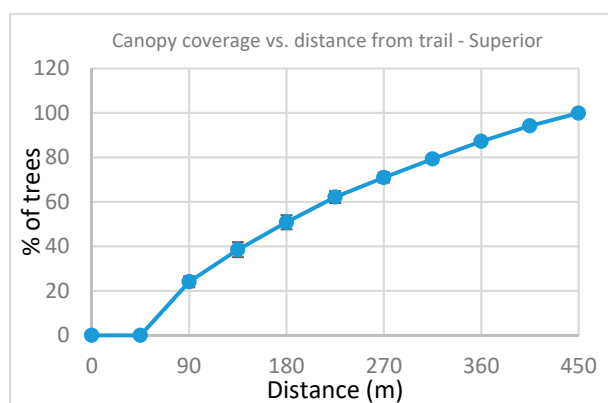
This includes:

Figures. S1 to S3

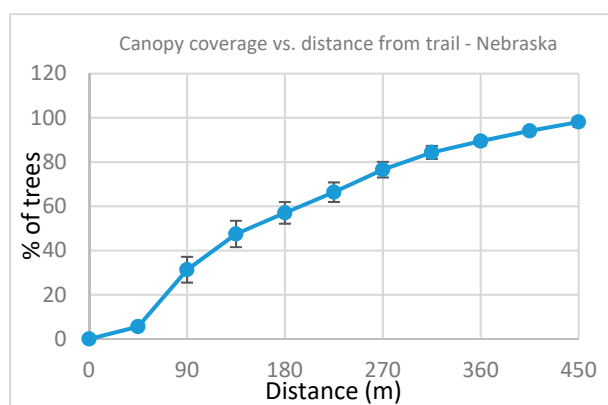
Data S1 to S7



A

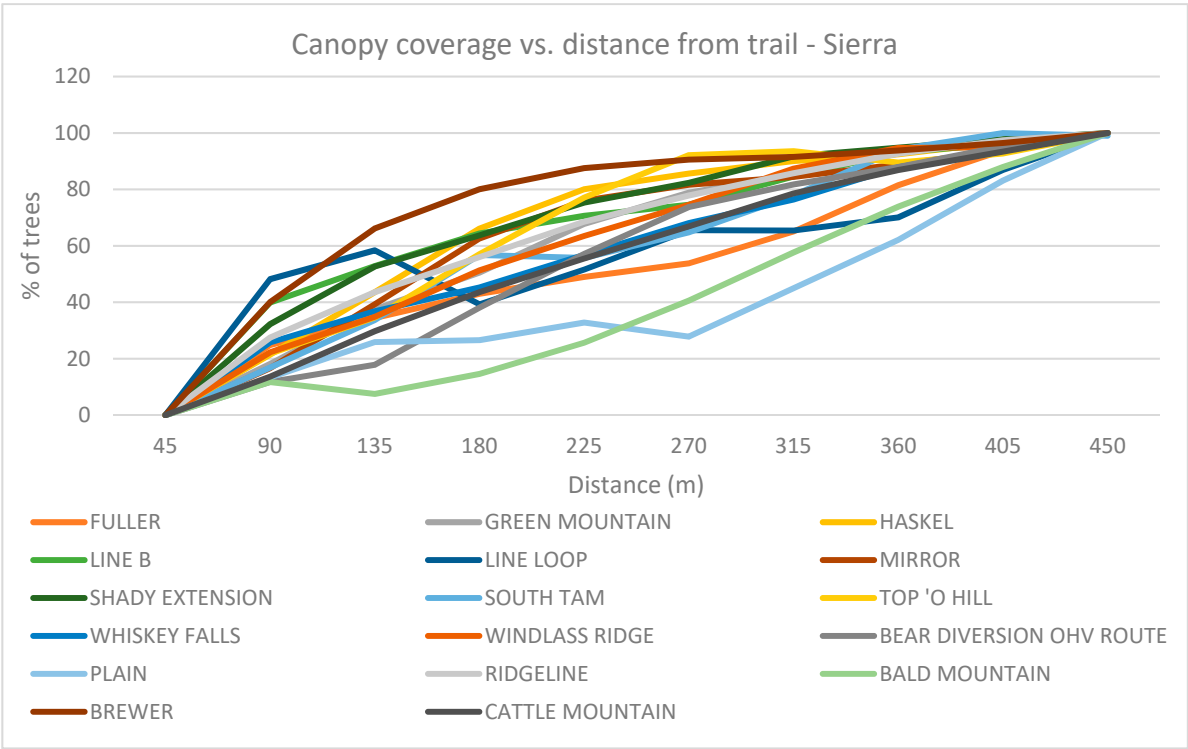


B

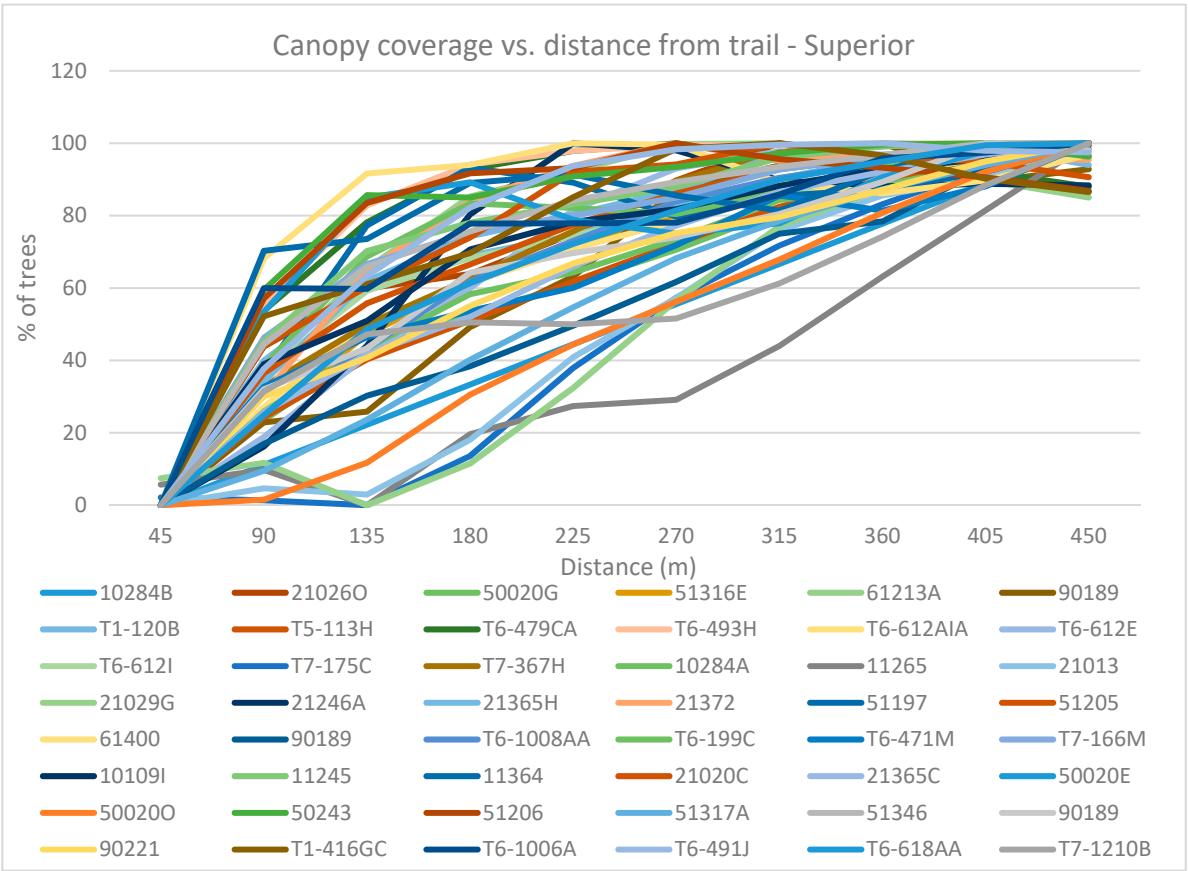


C

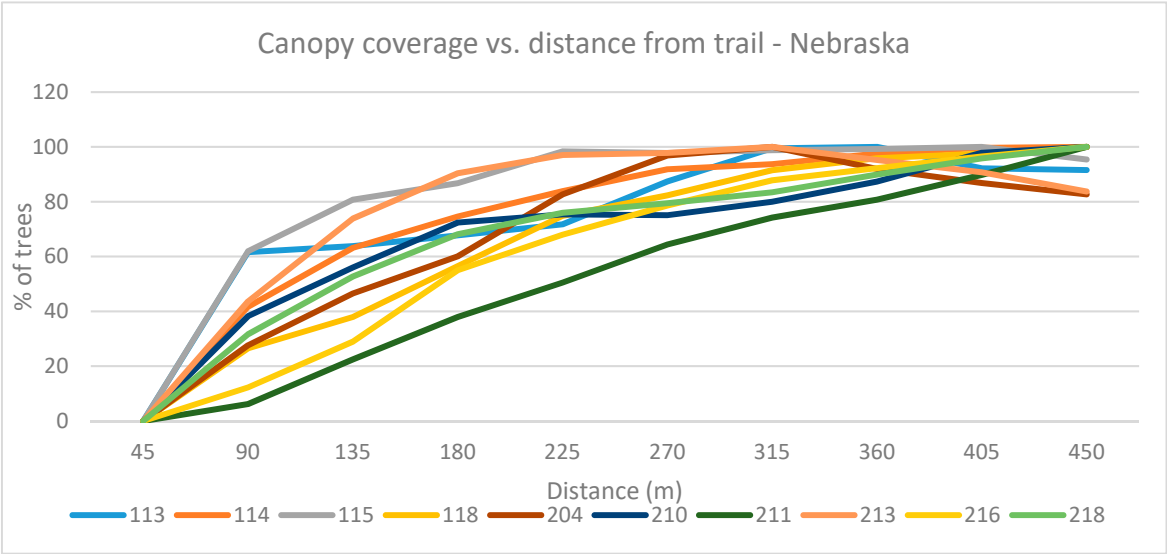
Figure S1. Forest resection performed by trails. Numbers (means $\pm$ s.e.m.) of trees at Sierra Nevada National Forest (A), Lake Superior National Forest (B), and Nebraska National Forest (C) canopy coverage at various distance from trail lesion center as percentage of total canopy coverage at 450 meter proximal.



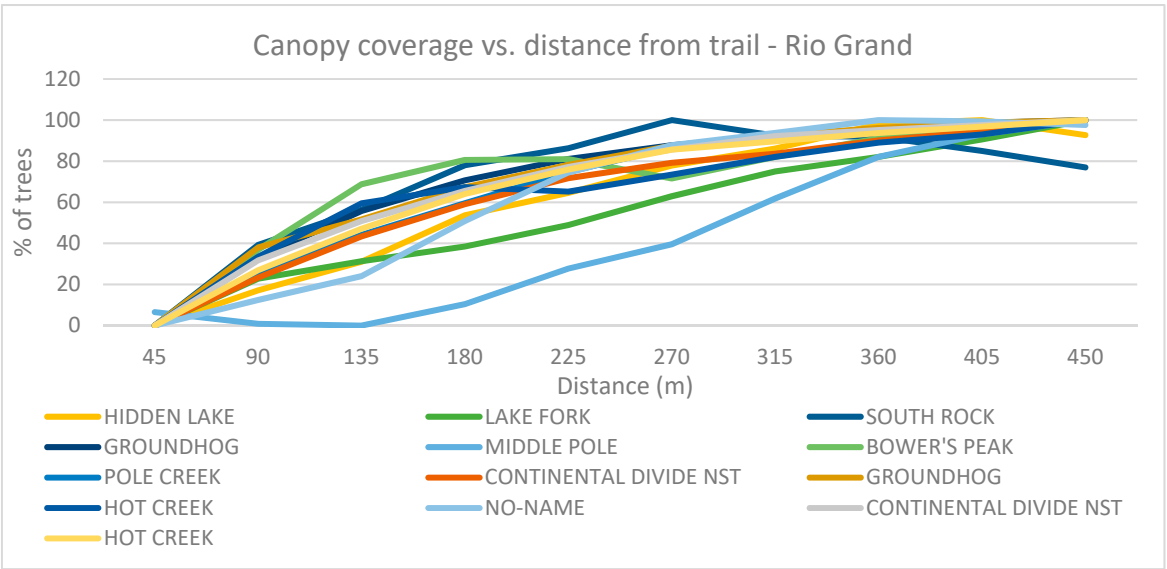
A



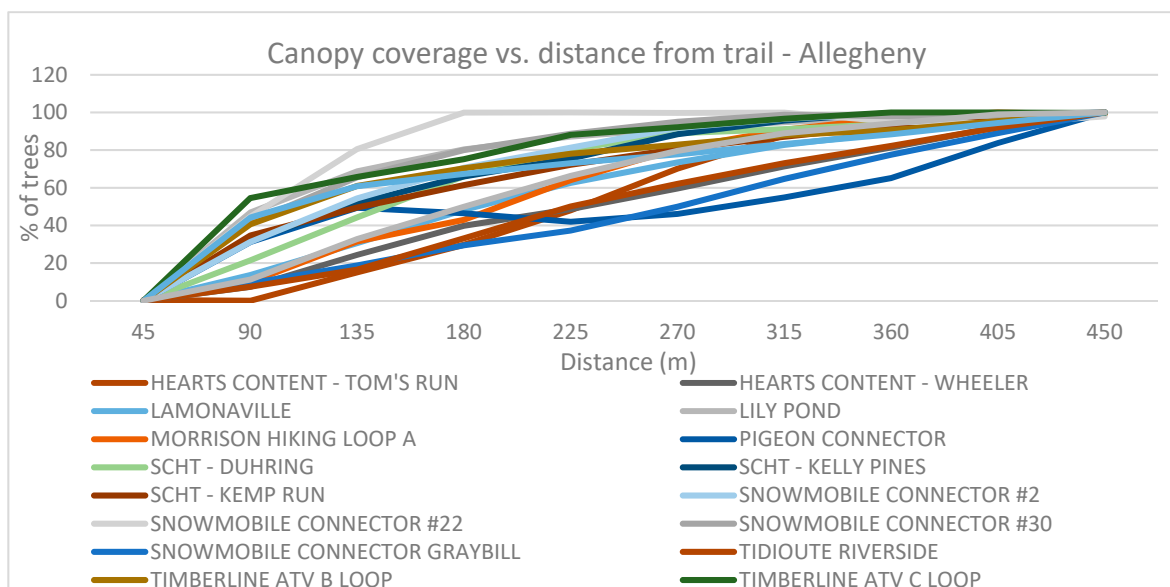
B



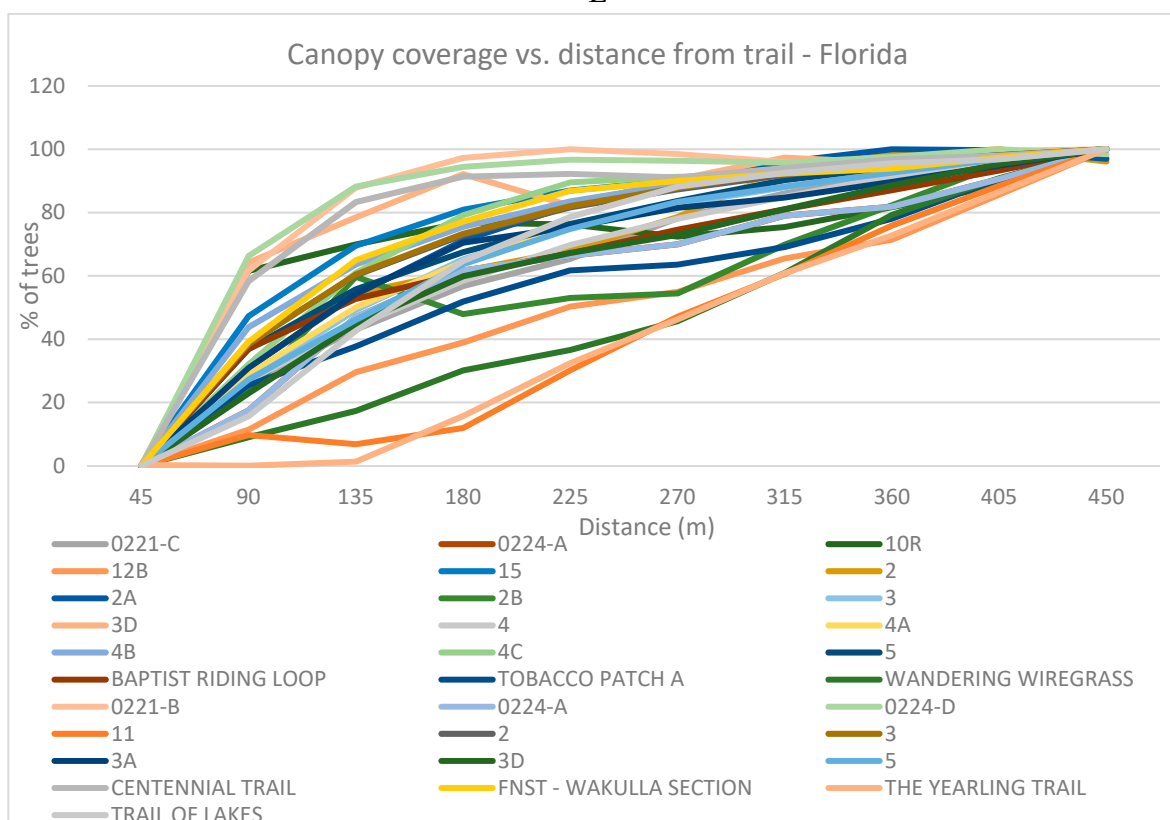
C



D

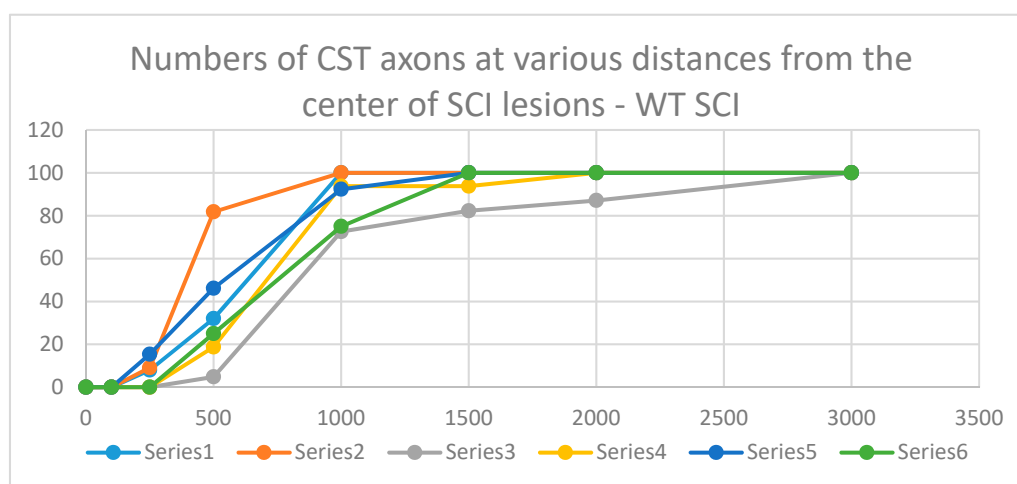


E

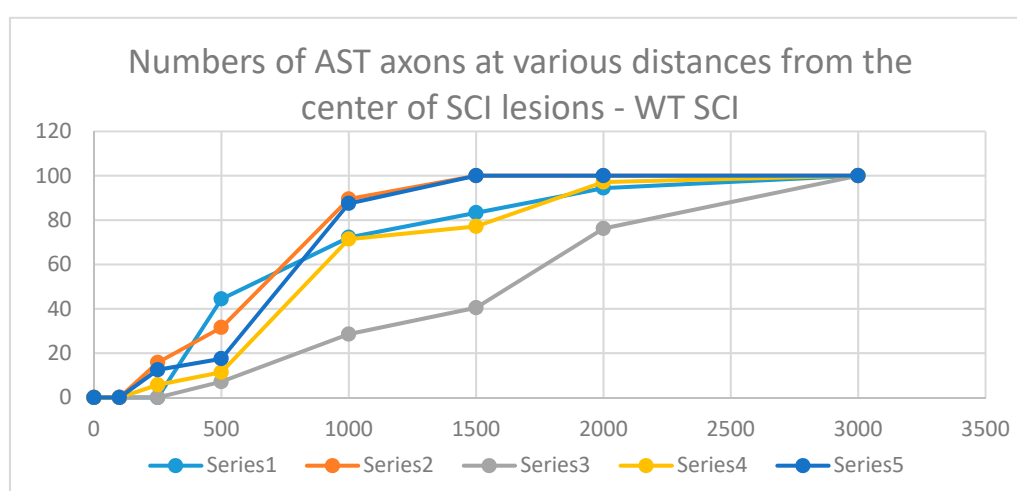


F

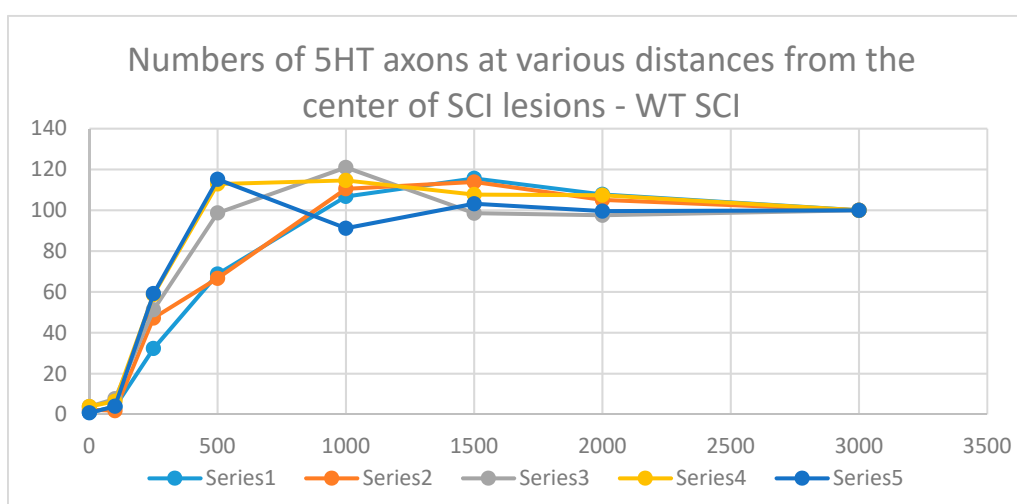
Figure S2. Forest resection performed by trails. Number of trees by trail at Sierra Nevada National Forest (A), Lake Superior National Forest (B), Nebraska National Forest (C), Rio Grand National Forest (D), Allegheny National Forest (E), and Florida National Forest (F) canopy coverage at various distance from trail lesion center as percentage of total canopy coverage at 450 meter proximal.



A



B



C

Figure S3. Data of severe crush spinal cord injuries (SCI) performed on mice from [19]. Descending corticospinal tract (CST) (A), ascending sensory tract (AST) (B), and descending serotonergic (5HT) tract (C) axons at various distances from the SCI lesion center as a percentage of the total number of axons present 3 mm proximal.

Data availability

Data S1. GIS Repository (Only available internally)

<http://usfs.maps.arcgis.com/home/index.html>

Data S2. Land Cover Database

<http://www.mrlc.gov/nlcd2011.php>

<http://landcover.usgs.gov/landcoverdata.php>

<http://data.fs.usda.gov/geodata/>

<http://www.fs.fed.us/nrm/fsveg/>

Data S3. Satellite Imagery (USGS and Giovis)

<http://ngmdb.usgs.gov/maps/topoview/viewer/#14/48.0647/-91.1037>

<http://eros.usgs.gov/satellite-imagery>

<http://earthexplorer.usgs.gov/>

Data S4. Datasets

<http://data.fs.usda.gov/geodata/edw/datasets.php>

Data S5. API

https://apps.fs.usda.gov/arcx/rest/services/EDW/EDW_RegionBoundaries_01/MapServer

Data S6. Administrative Regions/Boundaries

<https://catalog.data.gov/dataset/u-s-forest-service-administrative-region-boundaries>

Data S7. Data Extraction Tool

http://apps.fs.fed.us/fsmviewer/index.html?config=public-config/EDW_DataExtract_01.xml

<http://data.fs.usda.gov/geodata/edw/dataExtract.php>