Middle Rio Grande Wood Supply Analysis

Data Dictionary

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Introduction

This document provides a detailed description of each dataset used in the Middle Rio Grande Wood Supply Analysis. New datasets are documented as are source data and derived datasets. Attributes reported for each dataset are: Name, Source, Extent, Processing Methods, and Attribute Descriptions.

Naming Conventions

Product Identifiers

016 - Sawtimber
011 - Midsieze Timber
010 - Other Biomass

Forest Type Group Classification Codes

ALL - All Values for the EMAP Hex
PJG - Pinyon / juniper group
DFG - Douglas-fir group
PPG - Ponderosa pine group
MCG - Fir / spruce / mountain hemlock group
LPG - Lodgepole pine group
WSG - Other western softwoods group
EAG - Elm / ash / cottonwood group
ABG - Aspen / birch group
OHG - Other hardwoods group
WHG - Woodland hardwoods group
EHG - Exotic hardwoods group
NOG - Nonstocked

HW - All Hardwood Groups
SW - All Softwood Groups

Field Name Codes

---_### – whatever units the ### are in
---_###_SE - sampling error percent
---_###_NZC - Number of non-zero conditions numerator
---_###_NZP - Number of non-zero plots numerator: (subtotals and grand total may not add to total of interior cells)

Spatial Data

EMAP Hexagons [MRG_EMAPhexes.shp]

Source
US EPA

Extent
EMAP hexes that intersect a 100 mile buffer of the Rio Grande Waterfund boundary.

Attributes
See naming conventions section.

Forest Products [TotInv_Sawtimber.tif, TotInv_Midsize.tif, TotInv_Biomass.tif]

Sources

FIA (Miles, P.D. Wed Feb 25 11:16:15 MST 2015. Forest Inventory EVALIDator web-application version 1.6.0.01. St. Paul, MN: U.S. Department of Agriculture, Forest Service, Northern Research Station. [Available only on internet: http://apps.fs.fed.us/Evalidator/evalidator.jsp]), LANDFIRE Existing Vegetation Type(LANDFIRE 2012 (lf_1.3.0))

Extent

EMAP hexes that intersect a 100 mile buffer of the Rio Grande Waterfund boundary.

Methods

See report.

Attributes

FrstGrpCls – Forest group classification from [ForestGrpCls].

PrSawLog – Volume of wood in the central stem of a timber species tree of sawtimber size (9.0 inches diameter minimum for softwoods, 11.0 inches dimeter minimum for hardwoods), from a 1-foot stump to a minimum top diameter, (7.0 inches for softwoods, 9.0 inches for hardwoods) or to where the central stem breaks into limbs, all of which are less than the minimum top diameter. Reported in cubic feet.

PrMidsize – Dry weight of merchantable bole for live trees (timber species at least 5 inches d.b.h. and less than 11 inches bottom diamter), in short tons, on forest land

PrBiomass – Aboveground dry weight of live trees (at least 1 inch d.b.h.), in short tons, on forest land excluding merchantable bole (both midsize and sawlog portion using the conversion factor 1 cubic foot = 0.012 BDT).

Forest Group Type [ForestGrpCls.tif]

Source

LANDFIRE Existing Vegetation Type(LANDFIRE 2012 (lf_1.3.0)) reclassified to match the Forest Type Group classification used by the FIA program. http://www.landfire.gov/NationalProductDescriptions21.php

Extent

EMAP hexes that intersect a 100 mile buffer of the Rio Grande Waterfund boundary.

Methods

See report.

Attributes

See naming conventions section.

MRG Roads All [MRG_roads_all.shp]

Sources

USFS National Forest System Roads
(http://data.fs.usda.gov/geodata/edw/edw_resources/shp/S_USA.RoadCore_FS.zip) retrieved 01/08/2015.

US Census Bureau, Geography Division . TIGER LineFiles, Released August 22, 2013. All Roads.
(https://www.census.gov/geo/maps-data/data/tiger-line.html) retrieved 01/08/2015.

All Cities 100-mile Service Areas [MRG_AllCities_100mi_service.shp]

Analysis zones for summarizing wood supply. Includes areas outside the MRG boundary.

Source

Service areas analysis using [MRG_roads_all.shp] as the network and [MRG_CityPoints.shp] as the "facilities". Distances to each facility and any facility were calculated.

Attributes

In addition to distance to facility, land ownership attributes from the PADUS database and political and administrative boundaries (state forestry districts, counties, states) are included in this analysis fabric.

MRG Service Areas [MRG_AllCitiesUnclipped_100mi_service.shp]

Analysis zones for summarizing wood supply. Does not include areas outside the MRG boundary.

Source

Service areas analysis using [MRG_roads_all.shp] as the network and [MRG_CityPoints.shp] as the "facilities". Distance to nearest facility was calculated.

Attributes

In addition to distance to facility, land ownership attributes from the PADUS database and political and administrative boundaries (state forestry districts, counties, states) are included in this analysis fabric.

MRG City Point [MRG_CityPoints.shp]

Source

Points representing city centers for the communities with existing or proposed mills or other processing infrastructure.

Tabular Data

Cities and Service Areas Summary [ServiceAreas_AllZones.xlsx]

Attributes

See naming conventions section.

Summary table of wood supply with zones for unique combinations of service area, landowner, and political or administrative designation. All zones are treatable.

MRG Summary [ServiceAreas_MRG.xlsx]

Attributes

See naming conventions section.

Summary table of wood supply with zones for unique combinations of service area, landowner, and political or administrative designation. Only zones/rescords with a "1" in the 'Treatable' field are treatable, a "0" indicates that treatmetns are precluded by slope, distance from road, or wilderness designation.