

FIA Data Delivery and Tools



Web search: FIA Data

USDA FOREST SERVICE

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DATIM

New Tool Available!

The Design and Analysis Toolkit for Inventory and Monitoring (DATIM) is a collaboration between the National Forest System (NFS), Forest Service Research & Development (FS R&D), and Ecosystem Management Coordination (EMC). DATIM provides four modules: an analysis tool for inventory and monitoring (ATIM) used for creating tables; a spatial intersection tool (SIT), a design tool for inventory and monitoring plans (DTIM), and a data compilation system (DCS) to add FVS attributes to DATIM datasets.

Database Documentation

The Forest Inventory and Analysis Database: Database Description and User Guide for Phase 2 (version 7.0)













FIA DataMart

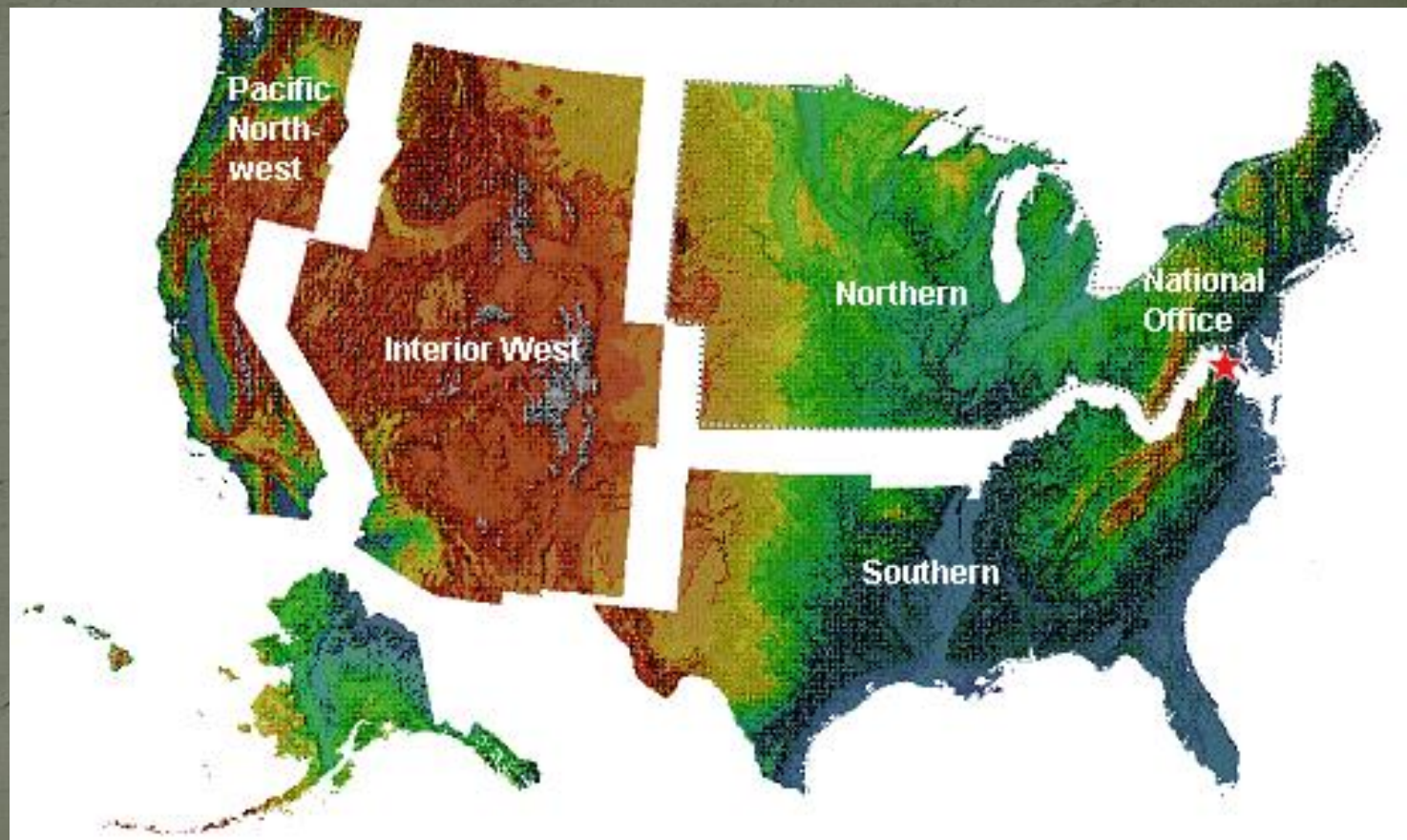
FIADB_1.7.0.00 Last updated March 23, 2017



FIA DataMart files

File type	Description	Level of difficulty
 PDF	Portable Document Format files of FIA State reports	Low
 HTML	HTML Format - Most recent FIA data by State	Low
 HTML	HTML Format - Population estimates by State and year	Low
 XLS	Microsoft® Excel 2013 workbooks containing many reports for the most recent State inventories	Medium
 ACCDB	Microsoft® Access 2013 State databases with EVALIDatorPC reporting tool	High
 CSV	Forest Inventory and Analysis Database (FIADB) comma-delimited files	High
 API	Application Programming Interface for EVALIDator web-application	High

File type	Description	Level of difficulty
 PDF	Portable Document Format files of FIA State reports	Low



Northern FIA Inventory Area



Please click on your state of interest.

Wisconsin Forest Inventory

Interactive Content

Tableau Annual I

Annual Inventory Reports

2016

Five Year Reports

2009 Report

Other Reports

2013 Ownership

Core Tables

2016

Other Tables

2013 Ownership

- U.S. Forest Service Users Guides
- Glossary of Terms
- Find Other State Inventory Reports



Forest / Nonforest Map of Wisconsin

- Lead Analyst: [Cassie Kurtz](#)
- Data Processing/Access: [Chuck Barnett](#)
- Data and Tools:
<http://www.fia.fs.fed.us/tools-data/default.asp>



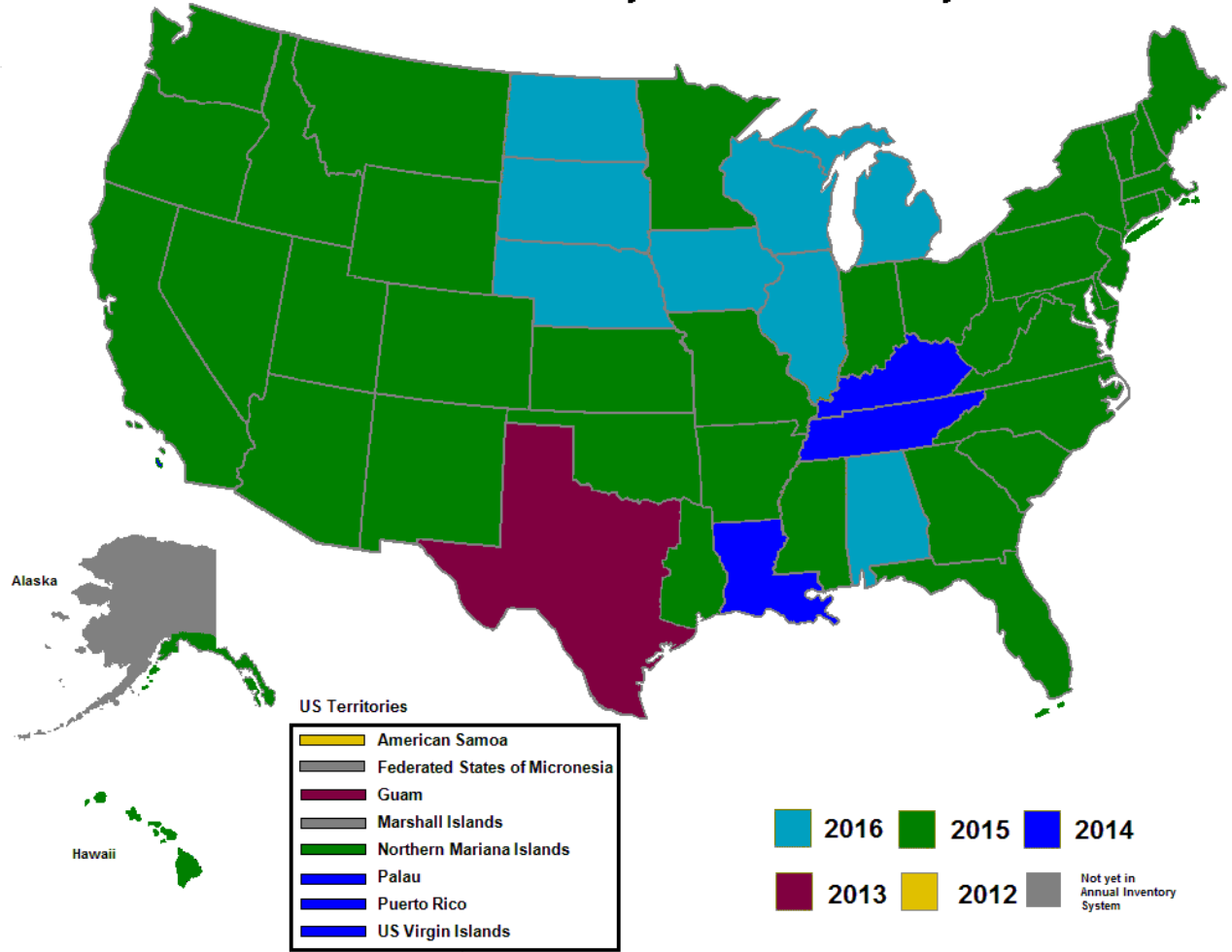
HTML

HTML Format - Most recent FIA data by State

Low



Most recent FIA data by State and collection year



FIA
DataMart



HTML Format - Population estimates by State and year

Low



FIADB version 6 Population Estimates

Last updated 2017/03/19 12:12:19 AM

Evaluation group description	Area of sampled and nonsampled land and water, in acres, within U.S. boundary	Area of forest land, in acres	Area of timberland, in acres	Number of live trees (at least 1 inch d.b.h./d.r.c.), in trees, on forest land	Number of growing-stock trees (at least 5 inches d.b.h.), in trees, on forest land	Number of standing-dead trees (at least 5 inches d.b.h./d.r.c.), in trees, on forest land	Number of live trees (at least 1 inch d.b.h./d.r.c.), in trees, on timberland	Number of growing-stock trees (at least 5 inches d.b.h.), in trees, on timberland	Number of standing-dead trees (at least 5 inches d.b.h./d.r.c.), in trees, on timberland	Aboveground dry weight of live trees (at least 1 inch d.b.h./d.r.c), in short tons, on forest land	Dry weight of merchantable bole for live trees (timber species at least 5 inches d.b.h.), in short tons, on forest land	Dry weight of merchantable bole for live trees (timber species at least 5 inches d.b.h.), in short tons, on timberland	Aboveground dry weight of live trees (at least 1 inch d.b.h./d.r.c), in short tons, on timberland	Net volume of live trees (at least 5 inches d.b.h./d.r.c), in cubic feet, on forest land	Net volume of growing-stock trees (at least 5 inches d.b.h.), in cubic feet, on forest land	Net volume of saw-log portion of sawtimber trees, in cubic feet, on forest land
ALABAMA 1972: CURRENT AREA, CURRENT VOLUME, GROWTH, REMOVALS, MORTALITY	0	021,357,616		0	0	016,811,740,852	2,453,713,039	0	0	0	386,967,016	606,803,858	0	0	0	02
ALABAMA 1982: CURRENT AREA, CURRENT VOLUME, GROWTH, REMOVALS, MORTALITY	0	021,658,734		0	0	015,288,836,117	2,409,299,025	0	0	0	423,359,219	646,107,286	0	0	0	02
ALABAMA 1990: CURRENT AREA, CURRENT VOLUME, GROWTH, REMOVALS, MORTALITY	0	021,931,993		0	0	015,201,050,202	2,366,251,248	0	0	0	445,238,622	671,691,403	0	0	0	02
ALABAMA 2000: ALL AREA, CURRENT AREA, CURRENT VOLUME, GROWTH, REMOVALS, MORTALITY	33,548,035	22,734,416	22,666,306	15,836,319,328	2,510,184,669	119,563,223	15,794,617,480	2,502,720,111	118,595,179	812,617,079	558,454,022	556,281,597	809,582,768	31,009,447,506	27,258,403,919	16,327,562,400

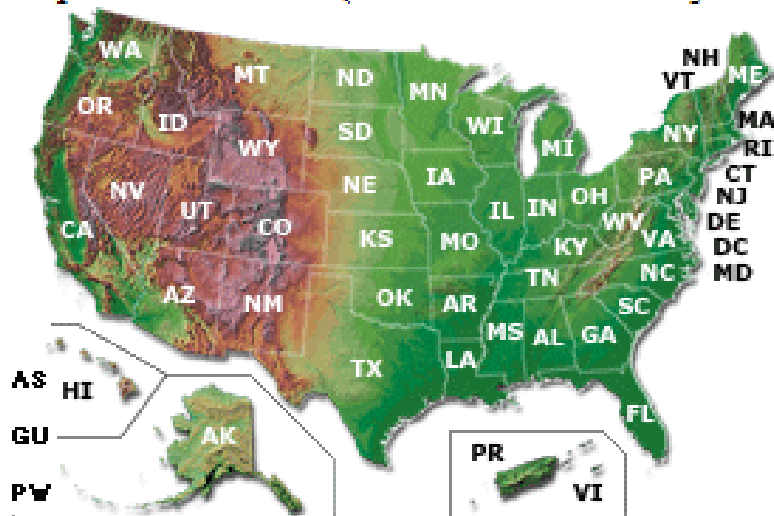


Microsoft® Excel 2013 workbooks containing many reports for the most recent State inventories

Medium

Forest statistics by State (all ownerships)

EXCEL Click on the map to download a Microsoft Excel workbook containing Standard Reports for a state (Note: data currently unavailable for Hawaii, interior Alaska)



The reports have already been generated in these workbooks. If you would like to rerun the reports yourself you will have to set the "Trusted location" and "Enable macros" within the workbook for the "Query" button on the "Inputs" worksheet to work. Please see [Trusted location information](#) for information on making a folder a trusted location.

[USDA Forest Service, Forest Inventory and Analysis Program](#)
 version 1.6.0.03 April 7, 2016

TOC worksheet contains the Table of Contents

Push the "Query" button only if you would like to rerun the tables. You must be connected to the Internet.

Query

[For more information about the EVALIDator API](#)
[Customer service contacts](#)
[Information on data availability](#)

Tab number	reptype	lat	lon	radius	snum	sdenom	wc	pselected	rselected
Must be unique	"State", "Circle"	0.0 to 90.0 (decimal degrees NAD83)	180 to 180	0.0 to 1000.0 (units are in miles)	See values of attribute_descr variable in ref_pop_attribute FIADB table	If not performing a ratio estimate then enter "No denominator - just produce estimate." For ratio estimates see values of attribute_descr	See values of eval_grp variable in pop_eval_grp FIADB table. When more than one evaluation group is selected the evaluation	See values of label_var variable in validator_variable_library table	See values of variable_evaluator_variable_library table where
SR001	State				Area of sampled and nonsampled land and water, in acres, within U.S. bound	No denominator - just pr	552016	None	Land use
SR002	State				Area of forest land, in acres	No denominator - just pr	552016	None	Ownersh
SR003	State				Area of forest land, in acres	No denominator - just pr	552016	None	Forest ty
SR004	State				Area of forest land, in acres	No denominator - just pr	552016	None	Forest ty
SR005	State				Area of forest land, in acres	No denominator - just pr	552016	None	Forest ty
SR006	State				Area of forest land, in acres	No denominator - just pr	552016	None	Forest ty
SR007	State				Area of forest land, in acres	No denominator - just pr	552016	None	Forest ty
SR008	State				Area of timberland, in acres	No denominator - just pr	552016	None	Forest ty
SR009	State				Number of live trees (at least 1 inch d.b.h./d.r.c.), in trees, on forest land	No denominator - just pr	552016	None	Species g
SR010	State				Number of standing-dead trees (at least 5 inches d.b.h./d.r.c.), in trees, on fo	No denominator - just pr	552016	None	Species g
SR011	State				Number of growing-stock trees (at least 5 inches d.b.h.), in trees, on timber	No denominator - just pr	552016	None	Species g
SR012	State				Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on fo	No denominator - just pr	552016	None	Ownersh
SR013	State				Net volume of standing-dead trees (at least 5 inches d.b.h./d.r.c.), in cubic f	No denominator - just pr	552016	None	Ownersh
SR014	State				Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on fo	No denominator - just pr	552016	None	Forest ty
SR015	State				Net volume of standing-dead trees (at least 5 inches d.b.h./d.r.c.), in cubic f	No denominator - just pr	552016	None	Forest ty
SR016	State				Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on fo	No denominator - just pr	552016	None	Species g
SR017	State				Net volume of standing-dead trees (at least 5 inches d.b.h./d.r.c.), in cubic f	No denominator - just pr	552016	None	Species g
SR018	State				Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on fo	No denominator - just pr	552016	None	Species g
SR019	State				Net volume of standing-dead trees (at least 5 inches d.b.h./d.r.c.), in cubic f	No denominator - just pr	552016	None	Species g
SR020	State				Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on fo	No denominator - just pr	552016	None	Forest ty
SR021	State				Net volume of standing-dead trees (at least 5 inches d.b.h./d.r.c.), in cubic f	No denominator - just pr	552016	None	Forest ty
SR022	State				Net volume of growing-stock trees (at least 5 inches d.b.h.), in cubic feet, c	No denominator - just pr	552016	None	Species g
SR023	State				Net volume of growing-stock trees (at least 5 inches d.b.h.), in cubic feet, c	No denominator - just pr	552016	None	Species g
SR024	State				Net volume of sawtimber trees, in board feet (International 1/4-inch rule),	No denominator - just pr	552016	None	Species g
SR025	State				Net volume of sawtimber trees, in board feet (International 1/4-inch rule),	No denominator - just pr	552016	None	Species g
SR026	State				Aboveground dry weight of live trees (at least 1 inch d.b.h./d.r.c.), in short t	No denominator - just pr	552016	None	Ownersh
SR027	State				Aboveground dry weight of live trees (at least 1 inch d.b.h./d.r.c.), in short t	No denominator - just pr	552016	None	Ownersh
SR028	State				Aboveground green weight of live trees (at least 1 inch d.b.h./d.r.c.), in sho	No denominator - just pr	552016	None	Ownersh
SR029	State				Aboveground dry weight of live trees (at least 1 inch d.b.h./d.r.c.), in short t	No denominator - just pr	552016	None	Species g



EVAlIDator Application Programming Interface (API) Documentation and Examples

Documentation

[Batch Reporting Of Forest Inventory Statistics Using the EVAlIDator \(opens in new window\)](#)

[JAVA EVAlIDator Application Programming Interface source code example \(opens in new window\)](#)

[EVAlIDator population estimates \(opens in new window\)](#)

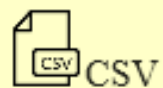
[EVAlIDator variable library for labeling pages, rows, and columns \(opens in new window\)](#)

A simple API call

The EVAlIDator API accepts an HTML request and returns output in HTML format (the next version will support output in HTML, JSON, and XML formats). Below is a simple example of an HTML request that will return "Area of timberland within 50 miles of the point centered at 45 degrees north and 93 degrees west". Click on the hyperlink or copy the hyperlink and paste it in your browser's address line to submit the EVAlIDator API request. After several seconds a report of population estimates with associated sampling errors and the number or non-zero plots used to obtain the estimates will be returned.

<http://apps.fs.fed.us/Evalidator/batcheval.jsp?reptype=Circle&lat=45.0&lon=-93.0&radius=50&snum=Area of timberland, in acres&sdenom=No denominator - just produce estimate.&wc=272014,552014&pselected=None&rselected=Stand-size class&cselected=Ownership group - Major&ptime=Current&rtime=Current&ctime=Current&wf=&wnum=&wnumdenom=>

FIA DataMart

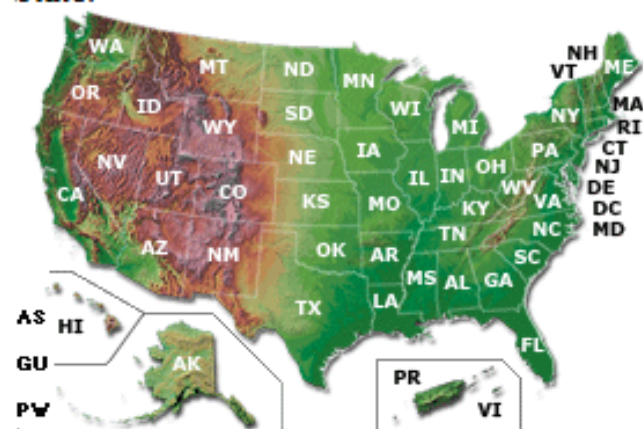


Forest Inventory and Analysis Database (FIADB) comma-delimited files

High

CSV (comma-delimited files)

Click on the map to download a FIADB_1.6.1.00 comma-delimited file containing all of the FIADB tables for a State.

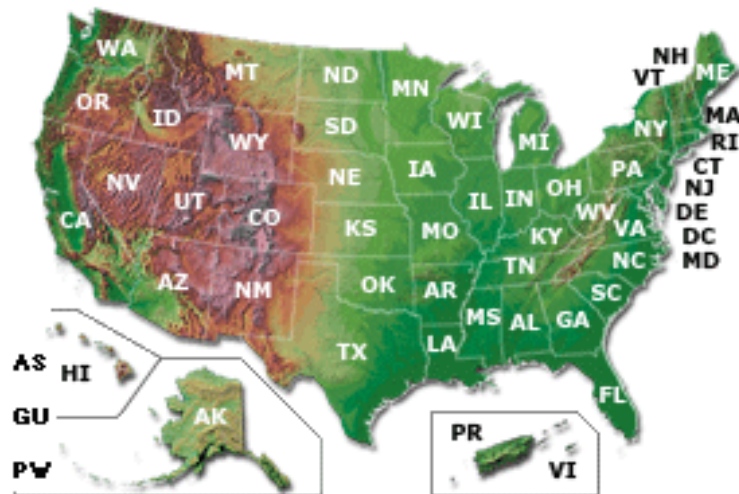


Web citation: Sat Mar 25 17:00:17 CDT 2017. Forest Inventory and Analysis Database, St. Paul, MN: U.S. Department of Agriculture, Forest Service, Northern Research Station. [Available only on internet: <http://apps.fs.fed.us/fiadb-downloads/datamart.html>]



MS-Access Databases

Click on the map to download a FIADB_1.6.1.00 Microsoft Access 2010 database containing all of the FIADB tables for a State, sample SQL queries, and EVALIDatorPC reporting tool. For the EVALIDatorPC reporting tool to work you will have to make the folder containing the MS Access2010 file a trusted location. Please see [Trusted location information](#) for information on making a folder a trusted location.



MS Access

2 gig limit – what to do?

- Near term:
 - Drop regional biomass table
 - Separate periodic/annual
- Long term:
 - Retire Access - 2020
 - PostgreSQL



U.S. FOREST SERVICE

Caring for the land and serving people

United States Department of Agriculture

Urban DataMart

FIA Database Documentation

Download Forest Inventory and Analysis Urban Data

Last updated Sat Jan 14 17:00:01 CST 2017

ZIP Files	CSV Files	Number of Records	Last Created Date	Last Modified Date
REF BOLE STUMP REMOVED.ZIP	REF BOLE STUMP REMOVED.CSV	2	2015/01/05	N/A
REF CALCULATION.ZIP	REF CALCULATION.CSV	16	2014/12/03	N/A
REF CAUSE OF DEATH.ZIP	REF CAUSE OF DEATH.CSV	8	2015/01/05	N/A
REF COUNTY.ZIP	REF COUNTY.CSV	3251	2013/01/11	2012/03/08
REF CROWN CLASS.ZIP	REF CROWN CLASS.CSV	5	2015/01/05	N/A
REF CROWN LIGHT EXPOSURE.ZIP	REF CROWN LIGHT EXPOSURE.CSV	6	2015/01/05	N/A
REF DAMAGE AGENT.ZIP	REF DAMAGE AGENT.CSV	965	2015/07/14	N/A
REF DAMAGE AGENT GROUP.ZIP	REF DAMAGE AGENT GROUP.CSV	30	2015/01/05	N/A
REF DIAHT.ZIP	REF DIAHT.CSV	2	2015/01/05	N/A
REF ENERGY EFFECT.ZIP	REF ENERGY EFFECT.CSV	3	N/A	N/A
REF ENERGY USE.ZIP	REF ENERGY USE.CSV	2	N/A	N/A
REF LANDUSE.ZIP	REF LANDUSE.CSV	13	2014/12/08	N/A
REF NONFOREST LANDUSE.ZIP	REF NONFOREST LANDUSE.CSV	29	2015/01/05	N/A
REF OWNER.ZIP	REF OWNER.CSV	17	2015/01/05	N/A
REF OWNER GROUP.ZIP	REF OWNER GROUP.CSV	4	2015/01/05	N/A
REF PLANTED.ZIP	REF PLANTED.CSV	3	2015/01/05	N/A
REF POP ATTRIBUTE.ZIP	REF POP ATTRIBUTE.CSV	15	2015/01/13	2015/01/07
REF POP DAMAGE.ZIP	REF POP DAMAGE.CSV	8	2014/12/03	2015/01/06

Coming Soon...

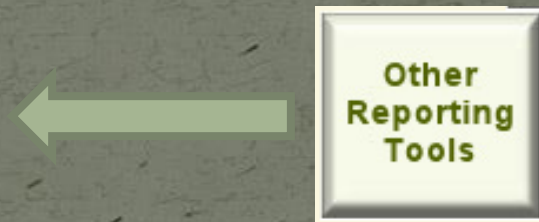
Lichens

Lichen Access Database



Tools

Old Favorites



New Favorites



EVALIDator

List of 134 estimates, and growing...

Please choose an estimate from the dropdown list below (this will be the numerator in a ratio estimate).

Number of growing-stock trees (at least 5 inches d.b.h.), in trees, on forest land
Number of standing-dead trees (at least 5 inches d.b.h./d.r.c.), in trees, on forest land
Number of live seedlings (less than 1 inch d.b.h./d.r.c.), in seedlings, on forest land
===NUMBER OF TREES OR SEEDLINGS ___ ON TIMBERLAND===
Number of live trees (at least 1 inch d.b.h./d.r.c.), in trees, on timberland
Number of growing-stock trees (at least 5 inches d.b.h.), in trees, on timberland
Number of standing-dead trees (at least 5 inches d.b.h./d.r.c.), in trees, on timberland
Number of live seedlings (less than 1 inch d.b.h./d.r.c.), in seedlings, on timberland
===VOLUME ___ ON FOREST LAND===
Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on forest land
Net volume of growing-stock trees (at least 5 inches d.b.h.), in cubic feet, on forest land
Net volume of saw-log portion of sawtimber trees, in cubic feet, on forest land
Net volume of sawtimber trees, in board feet (International 1/4-inch rule), on forest land
Gross volume of sawtimber trees, in board feet (International 1/4-inch rule), on forest land
Gross volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on forest land

There are 134 types of population attributes.

Please select the land basis from the dropdownlist.

All land
Forest land
Timberland



Choose numerator estimate and/or denominator estimate

Please select the numerator estimation group from the dropdownlist

If you want to produce a ratio estimate then please select the denominator from the dropdownlist

Area
Area change total
Annual area change
Tree volume
Tree weight
Tree carbon
Tree number
Down woody material volume
Down woody material weight
Down woody material carbon
Down woody material number
Annual net growth volume
Annual removals volume
Annual removals number
Annual harvest removals volume

No denominator - just produce estimates
Area
Tree volume
Tree weight
Tree carbon
Tree number
Down woody material volume
Down woody material weight
Down woody material carbon
Down woody material number
Annual net growth volume
Annual removals volume
Annual removals number
Annual harvest removals volume
Annual harvest removals number



EVALIDator Version 1.7.0.00

Revision date: February 9, 2017

Step 2 of 4 (choosing the estimate type)

Please choose an estimate from the dropdown list below

Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on forest land
Net volume of growing-stock trees (at least 5 inches d.b.h.), in cubic feet, on forest land
Net volume of saw-log portion of sawtimber trees, in cubic feet, on forest land
Net volume of sawtimber trees, in board feet (International 1/4-inch rule), on forest land
Gross volume of sawtimber trees, in board feet (International 1/4-inch rule), on forest land
Gross volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on forest land
Sound volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on forest land
Net volume of standing-dead trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on forest land

Forest land definition (FIA=National, [RPA=International \(opens in new window\)](#))

- Use FIA definition of forest land
- Use RPA definition of forest land

Show list of all inventories or just most recent inventory for each State

- Limit retrieval to only most recent inventories
- Show all available inventories

Continue

Back

The schema is FS_NIMS_FIADB_NRS.

In step 1 you selected:

State as the report type

DATIM

Design and Analysis Toolkit for Inventory and Monitoring

DATIM

Welcome to DATIM!

The Design and Analysis Toolkit for Inventory and Monitoring (DATIM) is a suite of software tools used for designing inventory and monitoring programs and analyzing the results of those programs.

To get started, select one of the tools below.

Notice:

SIT: The Spatial Intersection Tool (SIT) is only available to FS users at this time.

Analysis

Analysis Tool for Inventory and Monitoring (ATIM)

Generate reports of estimate summary attributes for an area of interest and survey year. Advanced users (login required) can create new analysis datasets for use in reporting.

Design

Design Tool for Inventory and Monitoring (DTIM)

Design an inventory and monitoring plan to address specific information needs by identifying objectives, questions and metrics.

Spatial Intersection

Spatial Intersection Tool (SIT)

Perform spatial intersections between plot-based data and user-selected geospatial layers, and return map attributes for use in ATIM summaries.

Compilation

DATIM Compilation System (DCS)

Augment and enhance existing DATIM datasets with additional attributes for analyses and report generation. Requires login and advanced permissions. Multi-user operation is not allowed.

With the exception of the compilation system, you do not need to login to use DATIM. To access advanced features, such as saving your work to the DATIM server, please login.

Description: Area of forest land by owner class and reserved status

Sampling design/estimation method: post-stratification

Algorithm: [The Enhanced Forest Inventory and Analysis Program - National Sampling Design and Estimation Procedures¹](#)

Confidence level: 68%

Analysis: Wisconsin 2010-2015

Report created: 03/28/17 06:50 AM (UTC-4)

Estimate attribute: Sampled population area (acres)

Filters:

Major land use: Accessible forestland

Page attribute: None

Row attribute: Specific owner category

Column attribute: Reserved from wood production

ATIM

Estimate:

Report cells show estimate values followed by sampling error percentages (in parentheses).

Owner	Reserved		Total
	Not reserved from wood production	Reserved from wood production	
National Forest lands administered by USFS	1,382,347 (1.18%)	41,906 (25.31%)	1,424,254 (0.92%)
National Park Service	-	42,696 (24.80%)	42,696 (24.80%)

Number of non-zero plots in estimate:

Owner	Reserved		Total
	Not reserved from wood production	Reserved from wood production	
National Forest lands administered by USFS	543	15	558
National Park Service	-	17	17

DTIM

DESIGN TOOL FOR INVENTORY AND MONITORING

[SIGN IN](#) [EXIT](#)


- 1 Welcome!
- 2 Base Modules
- 3 Objectives
- 4 Questions
- 5 Metrics
- 6 Output Tables
- 7 Precision

Step 1: Welcome!

[Español](#)

Welcome to the Design Tool for Inventory and Monitoring (DTIM) project creation wizard. Through the next several screens, you will be taken step-by-step through the process of selecting the objectives, questions and metrics for your project. Once you have completed this task, your project will be imported into the full DTIM system for further analysis.

As you work through the screens, note that at any time you can go back and change your responses. And if you make your way completely through the wizard and are unhappy with your selections, know that you can cancel this wizard at any time and start the process anew. So, if this is your first time using this wizard, explore the screens with the knowledge that you can change any of your selections.

On the following screens, you will see this icon . This icon indicates there is more information about this item available. Hover your mouse over the icon to see that text.

To begin, press the "Start Wizard" button below.

Start Wizard >>

**Customer
Service**

Contacts

datim@fs.fed.us

Customer Service

For assistance with your reports or data questions please contact the support person for your region (see list below). If there are problems with any online tool not responding please contact the FS Customer Help Desk using one of the following: <http://fsweb.chd.fs.fed.us> , 1-866-945-1354, or TTY 1-800-877-8339.

- **Interior West** (AZ,CO,ID,MT,NM,NV,WY,UT)
Jim Menlove: 801-625-5426 (e-mail: jmenlove@fs.fed.us)
- **Pacific Northwest** (AK,CA,HI,OR,WA)
Glenn Christensen: 503-808-2064 (e-mail: gchristensen@fs.fed.us)
- **Northern** (CT,DE,IA,IL,IN,KS,MA,MD,ME,MI,MN,MO,ND,NE,NH,NJ,NY,OH,PA,RI,SD,VT,WI,WV)
Charles Barnett: 610-557-4031 (e-mail: cjbarnett@fs.fed.us)
- **Southern** (AL,AR,FL,GA,KY,LA,MS,NC,OK,SC,TN,TX,VA)
Carol Perry: (e-mail: cperry@fs.fed.us)