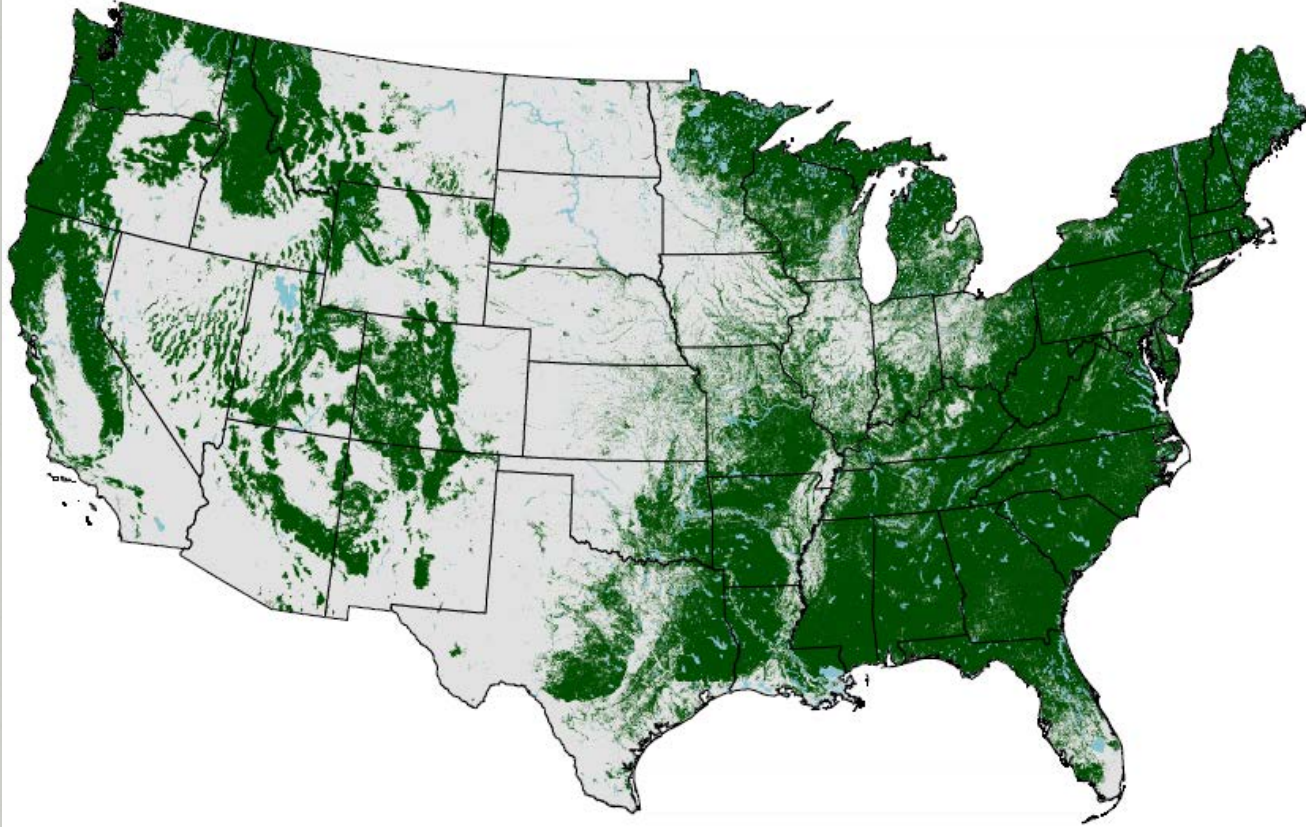




Forest Inventory and Analysis

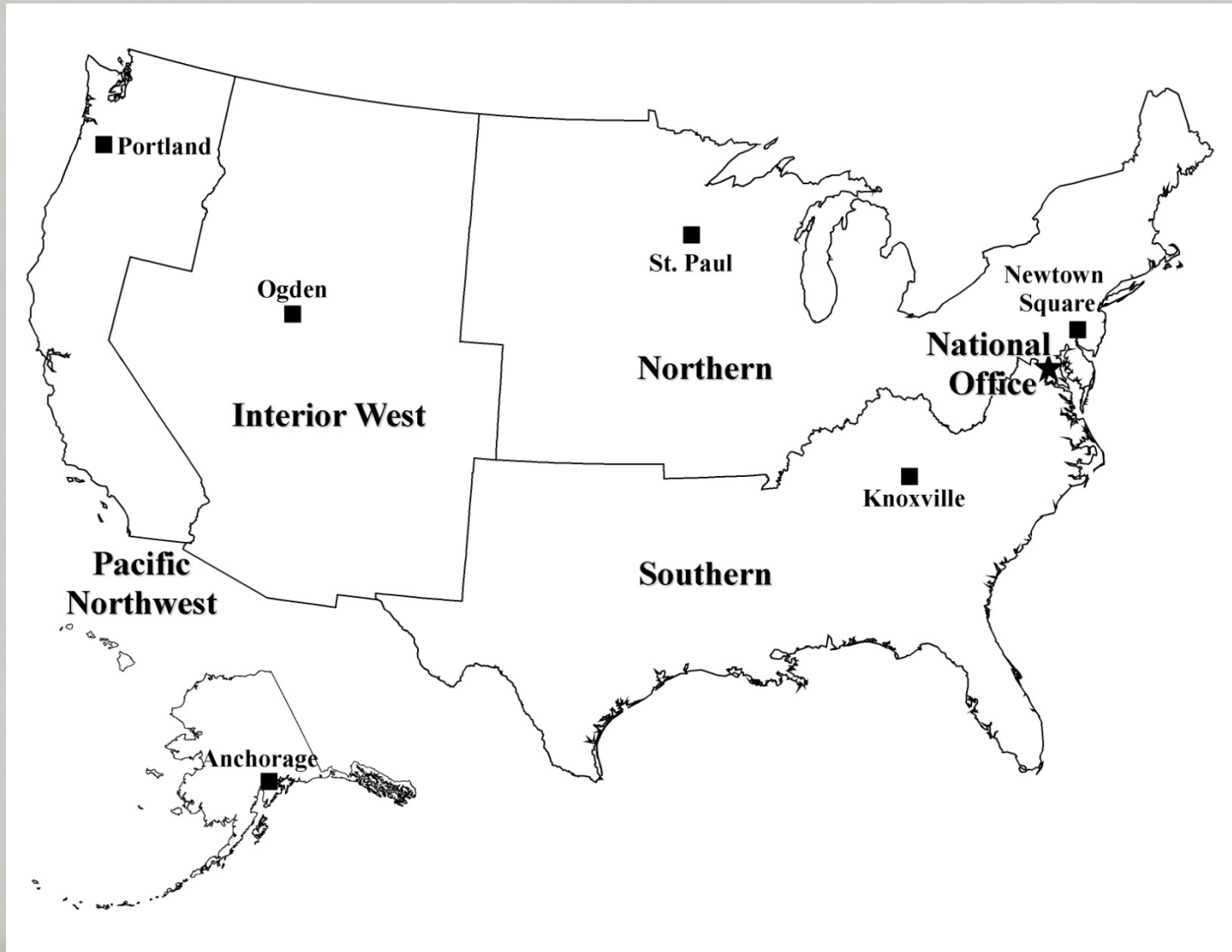


FIA Mission



Improve the understanding and management of our Nation's forests by maintaining a comprehensive inventory of the status and trends of the country's diverse forest ecosystems, the use of the forests, and the health of the these ecosystems.

FIA Research Stations



FLA History

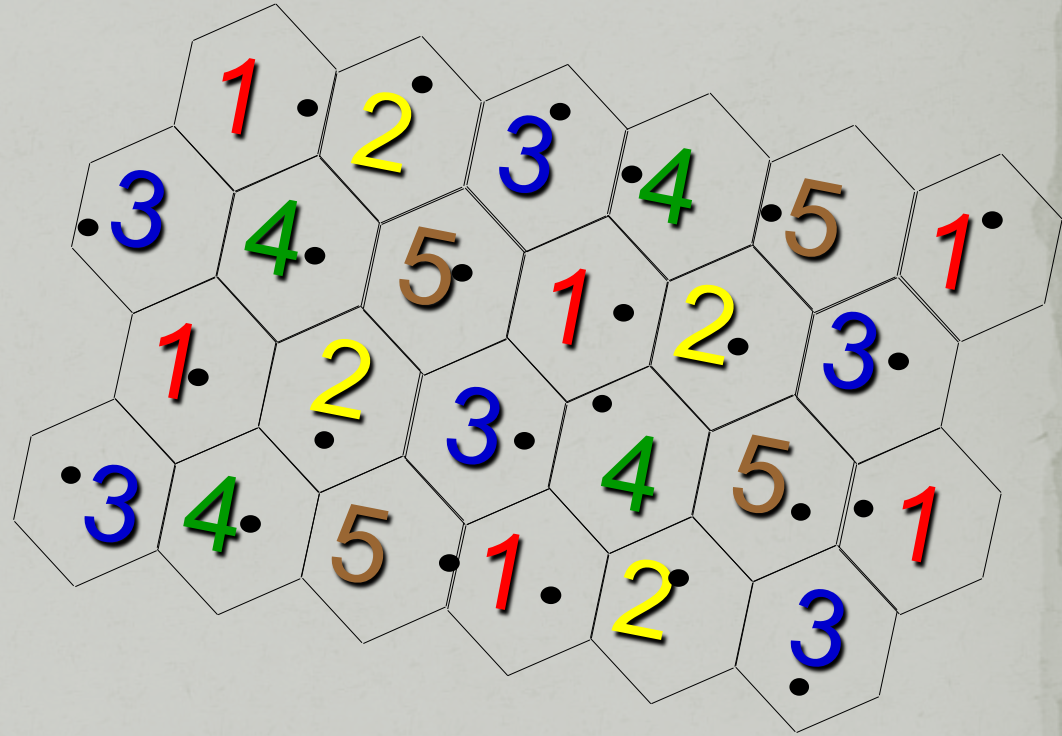
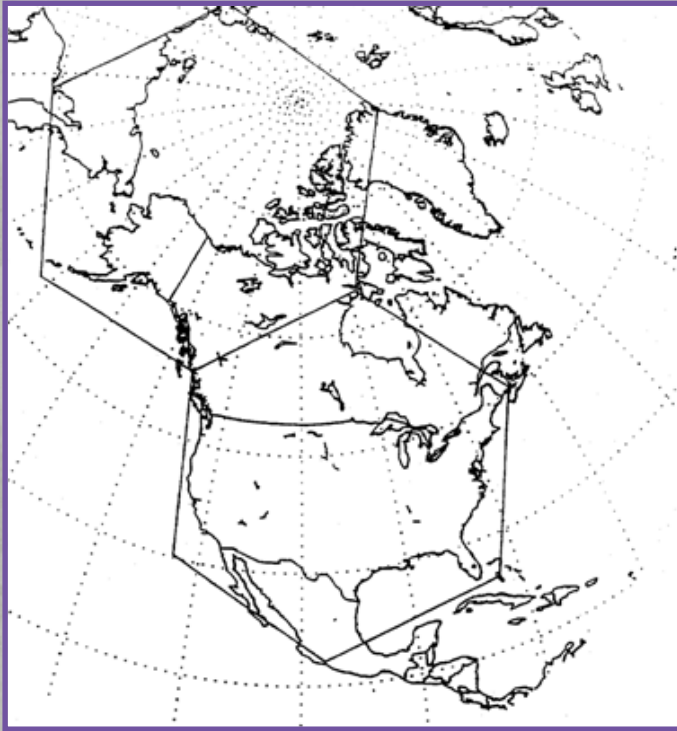
History – Periodic



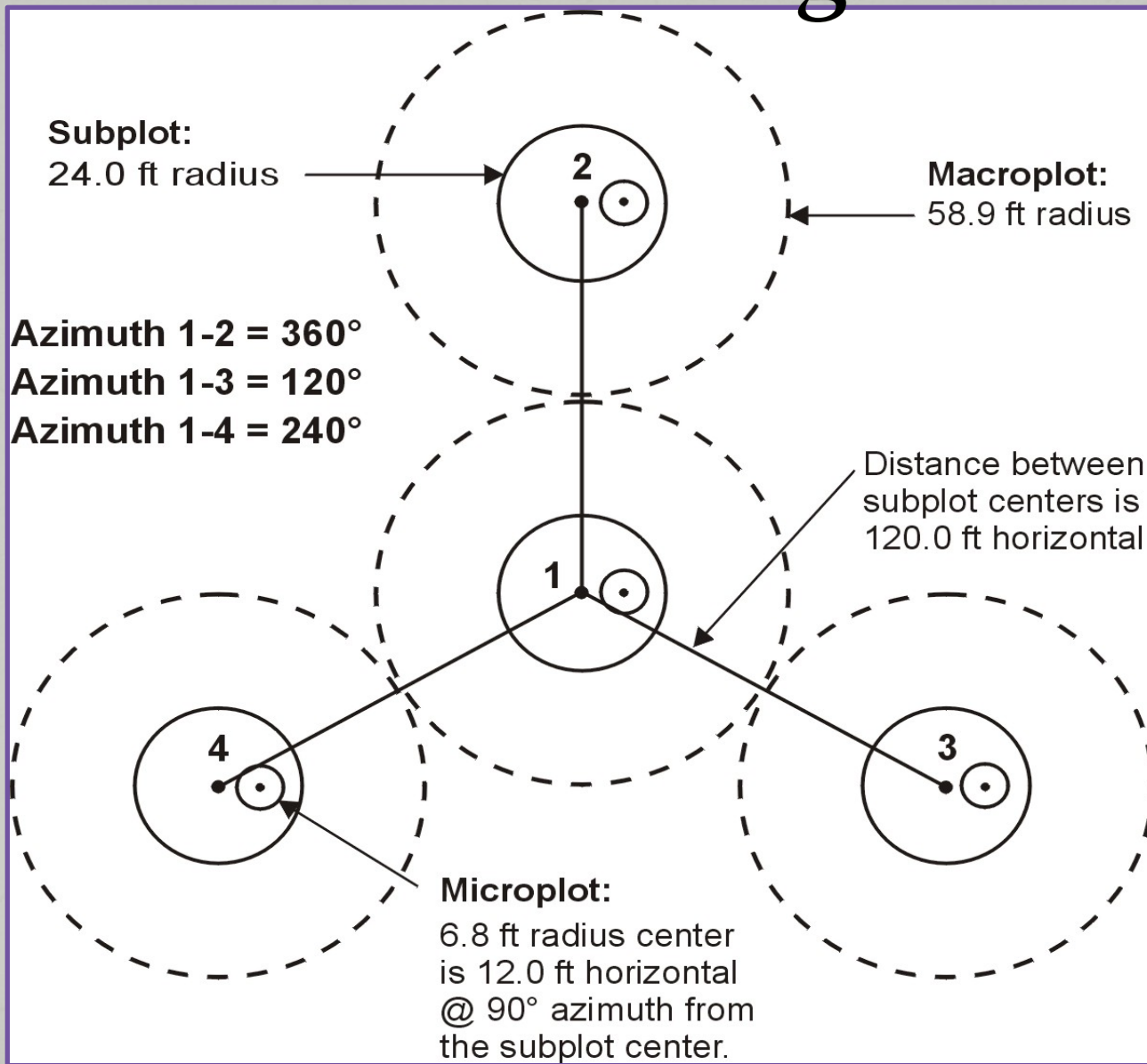
Current – Annual & Core



Extent of FIA plots



FIA Plot Design



FIA Subplot

- Macroplot

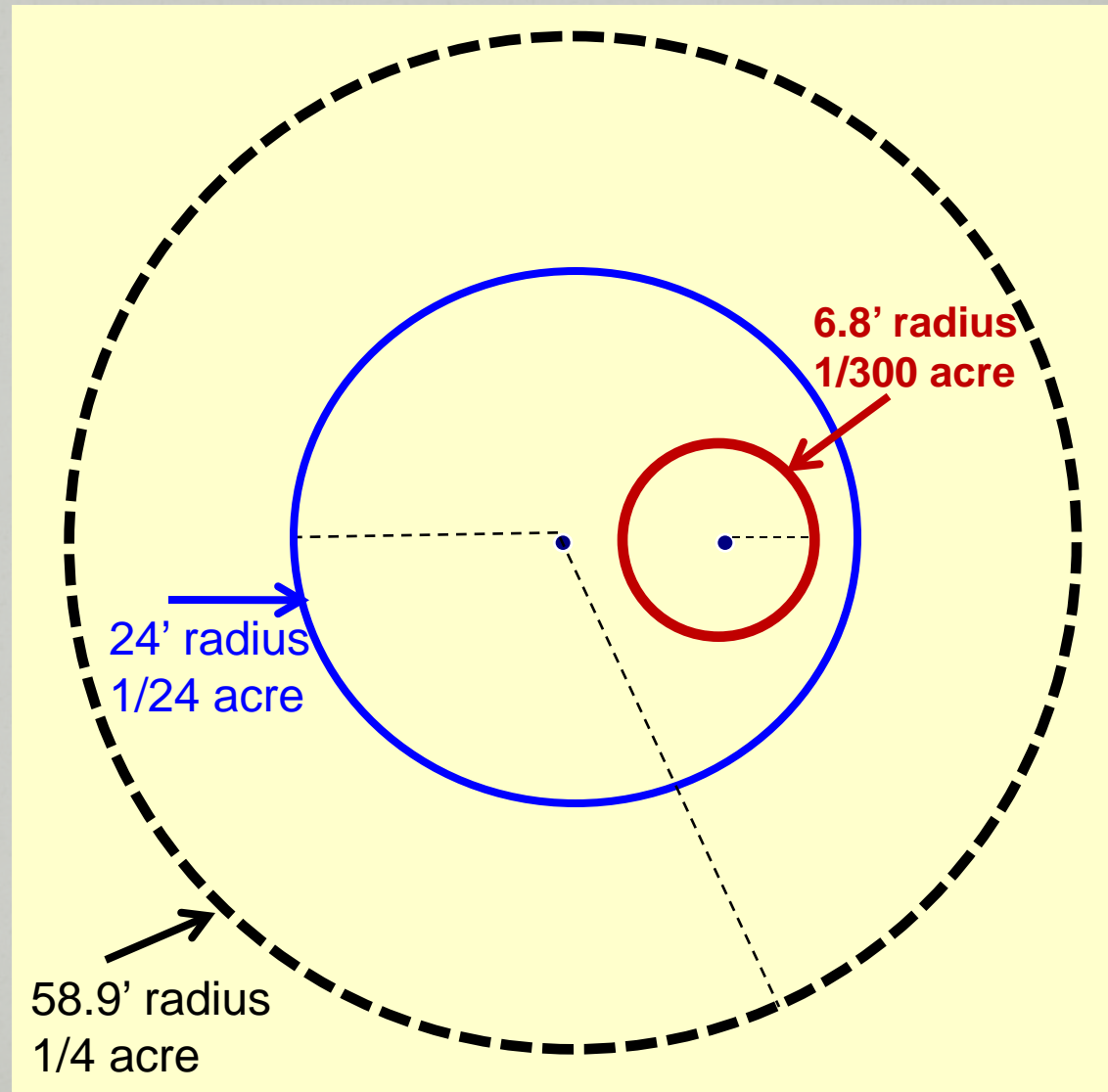
- Trees
($\geq 21, 24, 30$ inches)

- Subplot

- Trees
(≥ 5.0 inches)

- Microplot

- Saplings
(1.0-4.9 inches)
- Seedlings
(< 1.0 inch)

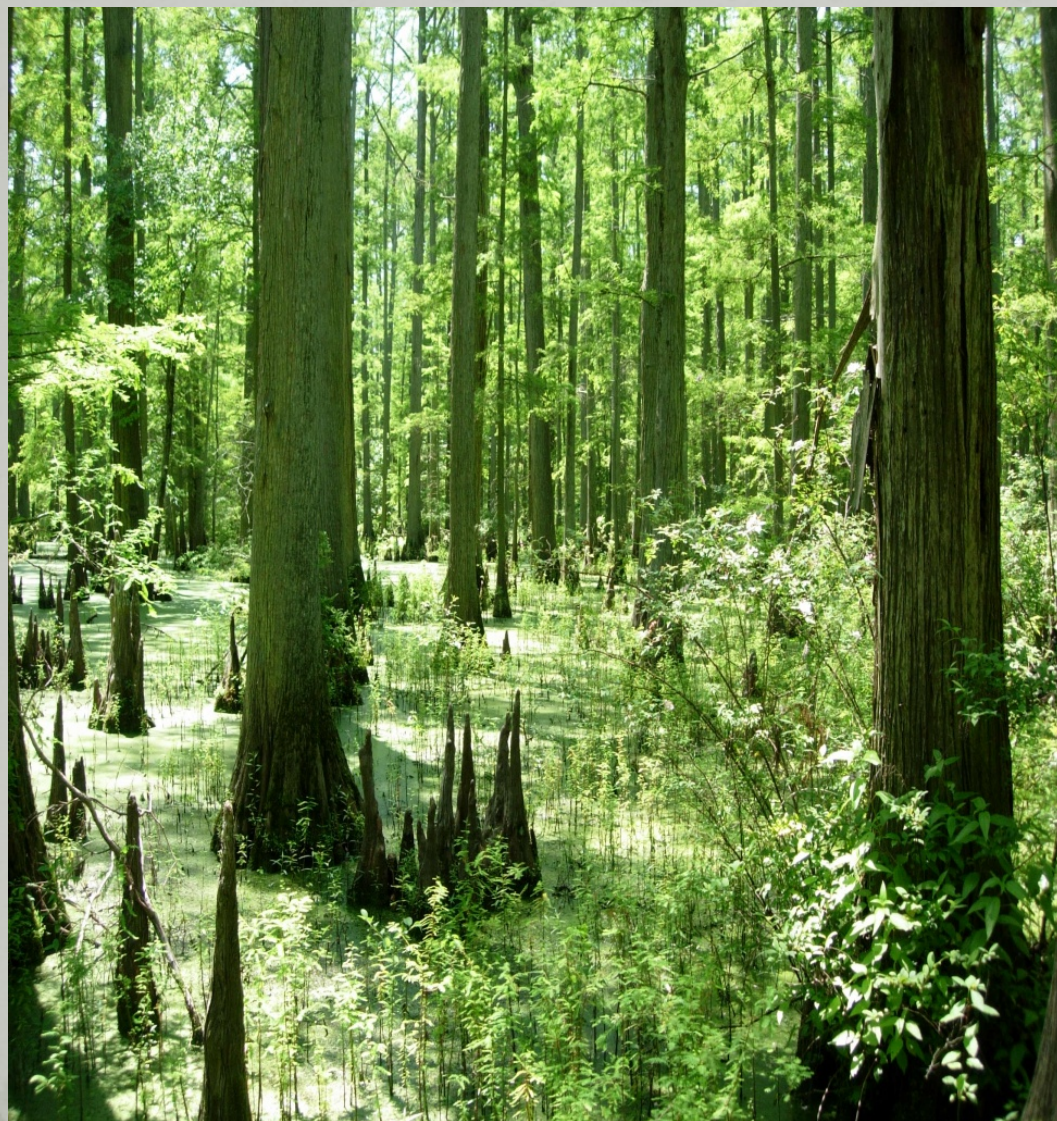


Plot Level Data

- State
- County
- Lat/Lon
- Status



Condition Level



- Forest Type
- Ownership
- Stand Size
- Stand Age

Tree Level Measures

Observed

- Species
- DBH
- Length
- Cull



Calculated

- ◆ Volume
- ◆ Stocking
- ◆ Biomass
- ◆ Carbon

Tree Biomass & Carbon

based on tree measurements
Component Ratio Method (CRM)

Biomass:

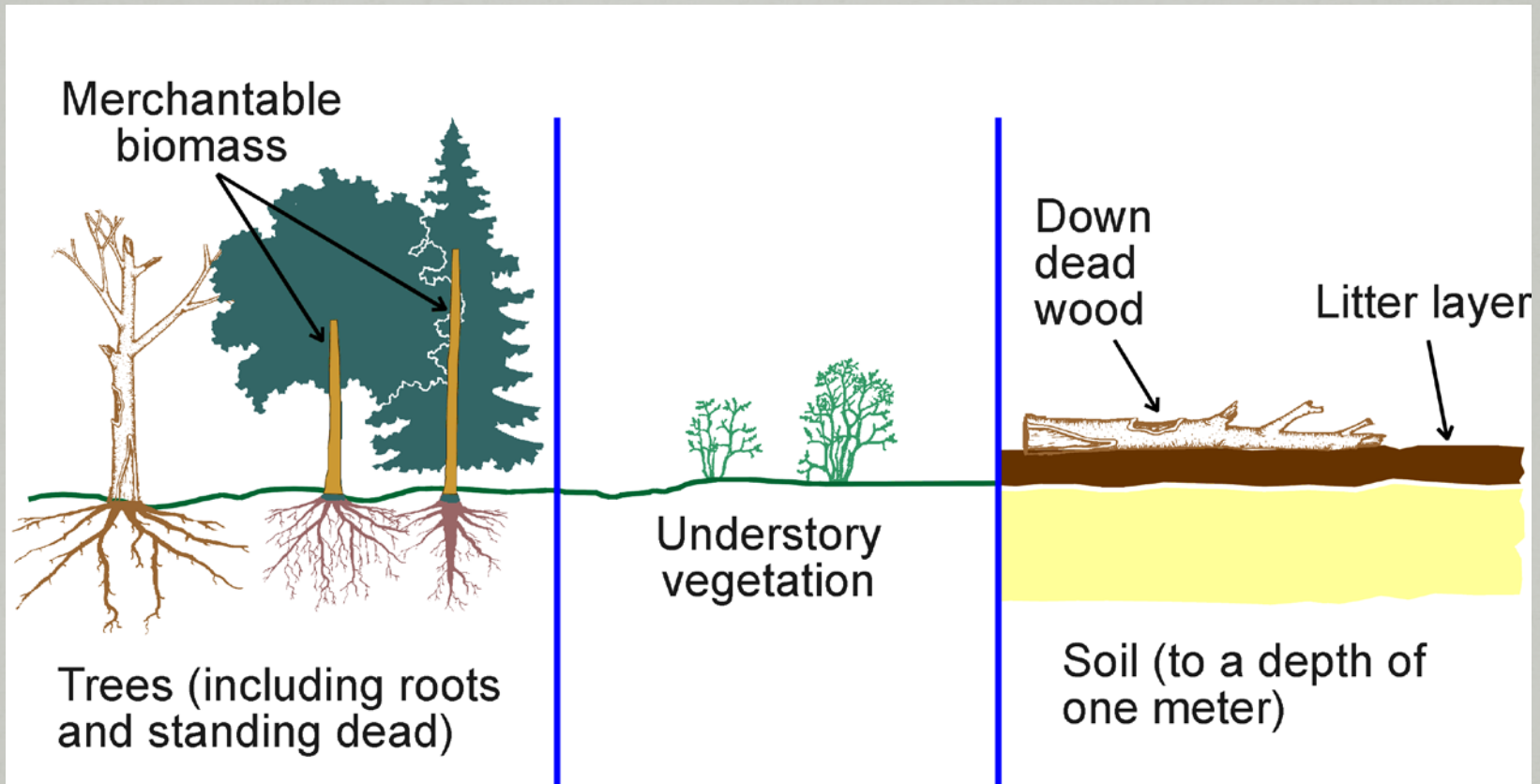
- Merchantable stem (bole)
- Top
- Stump
- Saplings
- Woodland Tree Species
- Belowground

Carbon:

- Aboveground
- Belowground



Carbon – Condition Level Estimates (modeled)



Forest Health Indicators

- Crown Condition
- Down Woody Material
- Lichen Communities
- Soils Condition
- Ozone Bioindicator
- Vegetation Structure and Diversity



Public Coordinates

Confidential because:

- It's the law
- Avoid management bias
- Vandalism







<http://fia.fs.fed.us/>

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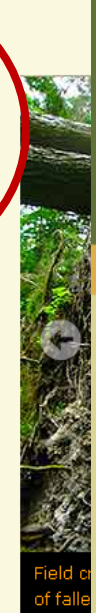
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- Fact Sheets
- Field Guides, Methods and Procedures
- Historical Documentation
- Maps
- Sampling & Estimation Documentation
- Search FS Publications

Forest Census

and Analysis (FIA) Program of the U.S. Forest Service
tion needed to assess America's forests.

uous forest census, our program projects how forests
0 to 50 years from now. This enables us to evaluate
st management practices are sustainable in the long
hether current policies will allow the next generation to
ts as we do today.

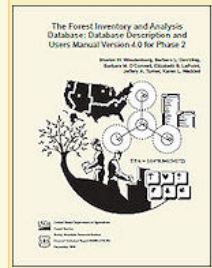
s and trends in forest area and location; in the species,
ees; in total tree growth, mortality, and removals by
duction and utilization rates by various products; and
ship.

stantly enhanced the FIA program by changing
to an annual survey, by increasing our capacity to
data, and by expanding the scope of our data collection
story vegetation, tree crown conditions, coarse woody
mmunity composition on a subsample of our plots.

Research and Development organization within the
in cooperation with State and Private Forestry and
A traces its origin back to the McSweeney -
rch Act of 1928 (P.L. 70-466). This law initiated the first
n 1930.

Program Accountability
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NEW! 2010 U.S. Forest Carbon Data



FIA Phase 2 User's Manual
Version 5.1.5

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Forest Inventory Data Online
Surf forest inventory data using the FIDO on-line tool!! Create your own forest inventory tables and maps.

[2007 RPA Resource Tables](#)



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XIIIth World Forestry Congress
Buenos Aires | Argentina
18 - 23 OCTOBER 2009

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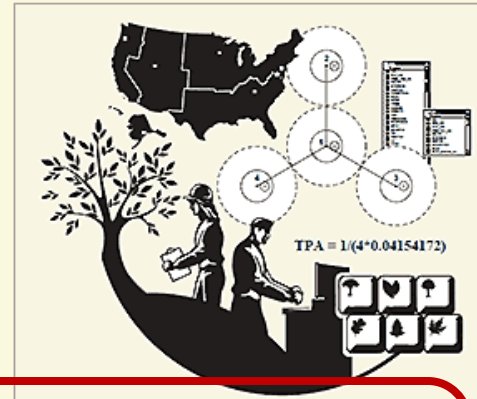
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Database Documentation

The FIADB 5.1.5 Phase 2 user manual was released in March, 2013, but are dated February, 2013. The Phase 3 user manual version 5.1.4 is still valid. These documents describe all variables available in the FIA database. The P2 data represent plot, condition, and tree measurements taken on the standard FIA base grid, which is roughly 1 sample location per 6,000 acres. P3 data are the forest health indicator measurements taken on a subset of the P2 plots, roughly 1 sample location per 90,000 acres.



The Forest Inventory and Analysis Database: Database Description and Users Manual Version 5.1.5 for Phase 2

- [Entire P2 FIADB user manual](#) (PDF 2.3 MB)
- [P2 FIADB user manual without appendices](#) (PDF 1.6 MB)
- [P2 FIADB user manual appendices only](#) (PDF 932 KB)

The Forest Inventory and Analysis Database: Database Description and Users Manual Version 5.1.4 for Phase 3

- [Entire P3 FIADB user manual](#) (PDF 700 KB)

Previous Versions of the Manuals

Phase 2

Version 5.1.4

Phase 3

Version 5.1.2

Note: Version numbers coincide with the release of changes to the database. Most of these changes are minor, and occur within a short time period. Therefore, some manual version numbers are skipped, with the latest version encompassing all the changes since the last version. Versions released after 4.0 are 5.1 (Nov 2011), 5.1.1 (Feb 2012), 5.1.2 (July 2012), 5.1.4 (Nov 2012).

The Forest Inventory and Analysis Database: Database Description and Users Manual

Chapters:

1 - Program Background and Database Structure

2 - Sampling and Estimation Procedures

3 - Detailed Database Structure and Descriptions

4 - Population Estimates with Sampling Errors

Appendices

For General
Consumption

Into the
Weeds

FIA Web Data and Tools



Various Formats

- Pre-calculated estimates
- User-friendly, on-line tools
- MS Access with built-in queries
- Comma-delimited files

<http://fia.fs.fed.us/>

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We are the Nation's Forest Census



Field crew taking measurements on a group of fallen trees.

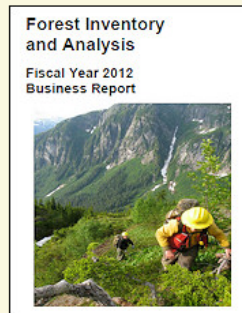
The Forest Inventory and Analysis (FIA) Program of the U.S. Forest Service provides the information needed to assess America's forests.

As the Nation's continuous forest census, our program projects how forests are likely to appear 10 to 50 years from now. This enables us to evaluate whether current forest management practices are sustainable in the long run and to assess whether current policies will allow the next generation to enjoy America's forests as we do today.

FIA reports on status and trends in forest area and location; in the species, size, and health of trees; in total tree growth, mortality, and removals by harvest; in wood production and utilization rates by various products; and in forest land ownership.

The Forest Service has significantly enhanced the FIA program by changing from a periodic survey to an annual survey, by increasing our capacity to analyze and publish data, and by expanding the scope of our data collection to include soil, under story vegetation, tree crown conditions, coarse woody debris, and lichen community composition on a subsample of our plots.

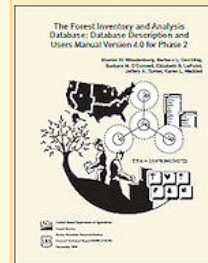
FIA is managed by the Research and Development organization within the USDA Forest Service in cooperation with State and Private Forestry and National Forest Systems. FIA traces its origin back to the McSweeney - McNary Forest Research Act of 1928 (P.L. 70-466). This law initiated the first inventories starting in 1930.



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FIA Phase 2 User's
Manual
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Surf forest inventory
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maps.

[2007 RPA Resource
Tables](#)

Data and Tools

User Alerts:

- User Alerts updated 1/15/2013 ([read more](#))
- FIADB 5.1.4 - has been released. You may notice changes in FIADB tables, FIDO, EVALIDator and the DataMart. Some new tables may not contain data until the 2012 field data are processed.



FIDO

Forest Inventory Data Online –
Create your own forest inventory tables and maps.

EVALIDator

This program allows users to produce a large variety of population estimates and their sampling errors based on the current FIADB.

FIA DataMart

Download raw data, Microsoft Access databases, FIADB Users Manuals, and access standard tables and recent data load history.

Other Reporting Tools

Create reports and maps using other online tools, including the Timber Products Output (TPO) Reporting tool, and the National Woodland Owner Survey Table Maker. A link to the Field Sampled

FIA Data and Tools page

FIADB Documentation

Recent load history

FIADB version 5.1 population estimates by state and year

Standard Reports by state

If you have any questions please contact the support person for your region (from the list below):

Interior West

(AZ,CO,ID,MT,NM,NV,WY,UT)

Jim Menlove: 801-625-5426

(e-mail: jmenlove@fs.fed.us)

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(AK,CA,HI,OR,WA)

Karen Waddell: 503-808-2046

(e-mail: kwaddell@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)

Chuck 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: 865-862-2087

(e-mail: cperry@fs.fed.us)

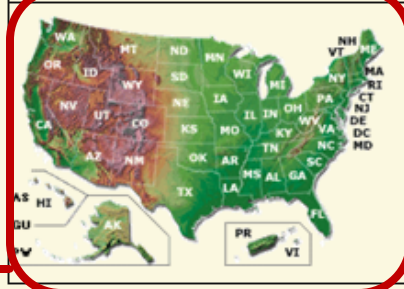


FIA DataMart

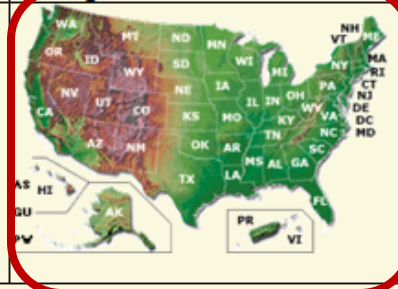
FIADB version 5.1

Last updated Sat Jun 01 23:00:28 MDT 2013

Click on the map to download FIADB version 5.1 comma-delimited data for a State.



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[Microsoft Access2007 Database file ready for loading all of the FIADB data \(empty, pre-defined tables, ready to import data\)](#)

[Microsoft Access2003 Database file ready for loading FIADB-Lite data \(empty, pre-defined tables, ready to import data\)](#)
[FIADB-Lite documentation](#)

Download reference data.

ZIP Files	CSV Files	Number of Records	Last Created Date	Last Modified Date
LICHEN_SPECIES_SUMMARY.ZIP	LICHEN_SPECIES_SUMMARY.CSV	2404	2012/09/13	N/A
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REF_FOREST_TYPE_GROUP.ZIP	REF_FOREST_TYPE_GROUP.CSV	34	2010/04/21	2010/06/17
REF_HABTYP_DESCRIPTION.ZIP	REF_HABTYP_DESCRIPTION.CSV	8439	2012/01/24	2009/02/25
REF_HABTYP_PUBLICATION.ZIP	REF_HABTYP_PUBLICATION.CSV	125	2012/01/24	2005/01/24
REF_INVASIVE_SPECIES.ZIP	REF_INVASIVE_SPECIES.CSV	1640	2010/09/24	N/A
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REF_LICHEN_SPP_COMMENTS.ZIP	REF_LICHEN_SPP_COMMENTS.CSV	210	2011/03/09	2009/04/21
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[FIADB Documentation](#)

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[FIADB version 5.1 population estimates by state and year](#)

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FIA DataMart

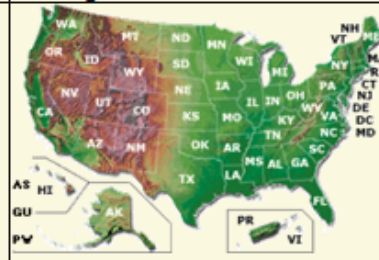
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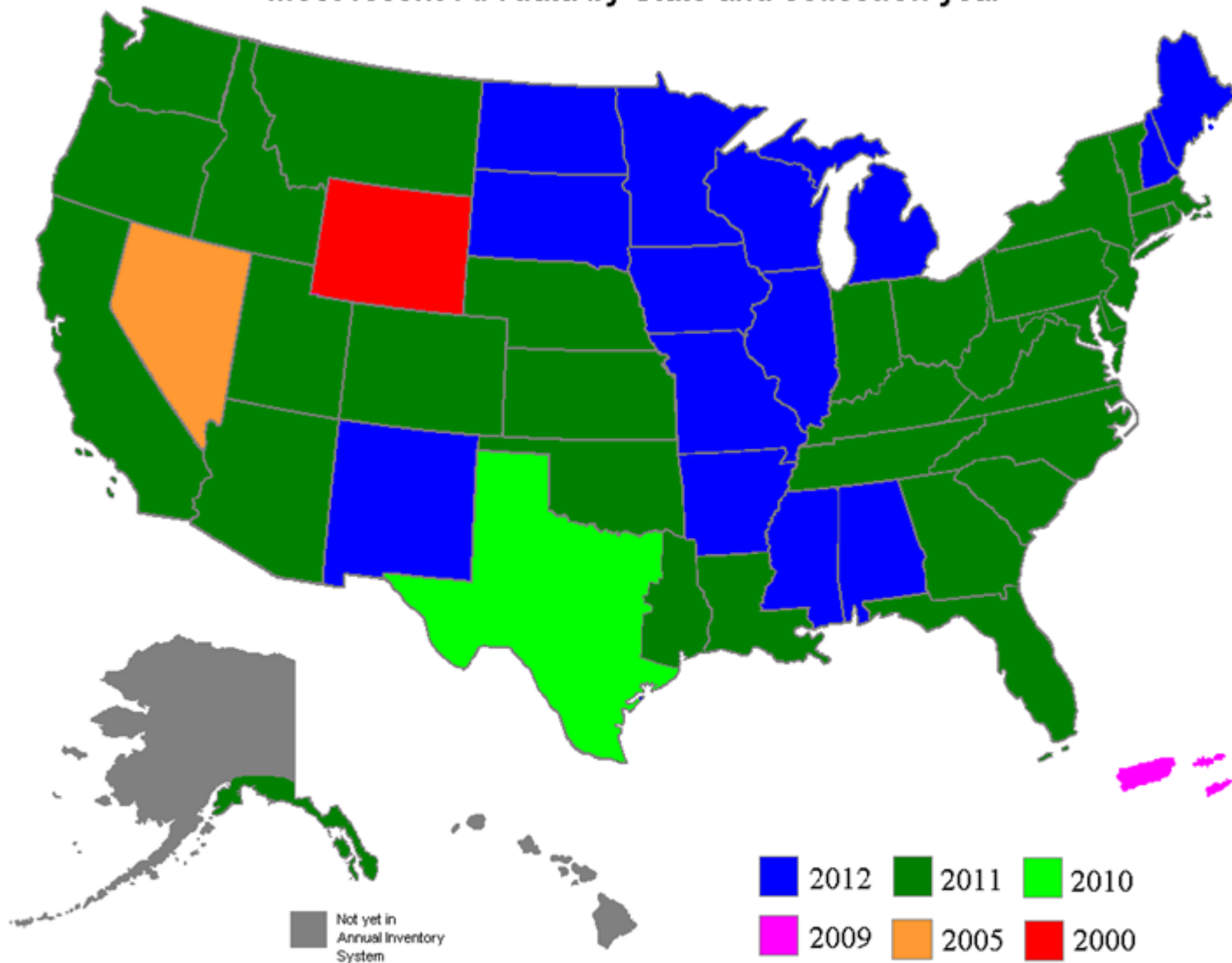
[Microsoft Access2003 Database file ready for loading FIADB-Lite data \(empty, pre-defined tables, ready to import data\)](#)
[FIADB-Lite documentation](#)

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REF_UNIT.ZIP	REF_UNIT.CSV	203	2009/06/17	2012/06/21

All of the reference files signed

Most recent FIA data by State and collection year



State	Date	Reason for reload
Maine	05-30-2013	Addition of 2012 data
New Hampshire	05-06-2013	Addition of 2012 data



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FIADB Documentation

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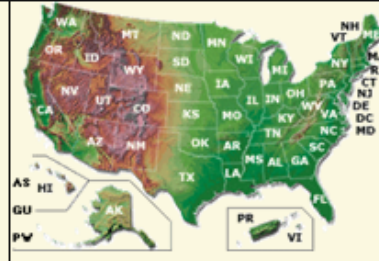
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FIADB5.1 Population Estimates

Last updated 2013/06/01 11:00:25 PM

All the population estimates are listed for every evaluation that are available. Right click to Export to Excel.

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
ALABAMA 1972: CURRENT AREA, CURRENT VOLUME, GROWTH, REMOVALS, MORTALITY	0	0	21,357,616	0	0	0	16,811,740,852	2,453,713,039	0	0	0
ALABAMA 1982: CURRENT AREA, CURRENT VOLUME, GROWTH, REMOVALS, MORTALITY	0	0	21,658,734	0	0	0	15,288,836,117	2,409,299,025	0	0	0
ALABAMA 1990: CURRENT AREA, CURRENT VOLUME, GROWTH, REMOVALS, MORTALITY	0	0	21,931,993	0	0	0	15,201,050,202	2,366,251,248	0	0	0

[FIA Data and Tools page](#)

[FIADB Documentation](#)

[Recent load history](#)

[FIADB4 population estimates by state and year](#)

[Standard Reports by state](#)

If you have any questions please contact the support person for your region (from the list below):

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)

Karen Waddell: 503-808-2046

(e-mail: kwaddell@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)

Chuck 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: 865-862-2087

(e-mail: cperry@fs.fed.us)



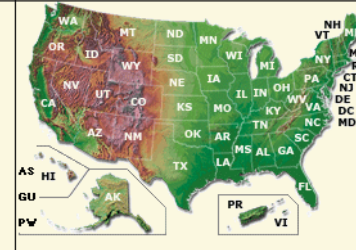
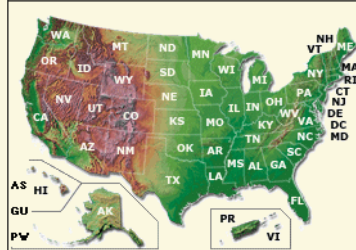
FIA DataMart

FIADB version 4.0

Last updated Tue Feb 09 23:48:14 CST 2010

Click on the map to download FIADB version 4.0 comma-delimited data for a State.

Click on the map to download a FIADB version 4.0 Microsoft Access 2007 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 Access2007 file a trusted location. Please see [Trusted location information](#) for information on making a folder a trusted location.



[Microsoft Access2007 Database file ready for loading all of the FIADB data \(empty, pre-defined tables, ready to import data\)](#)

[Microsoft Access2003 Database file ready for loading FIADB-Lite data \(empty, pre-defined tables, ready to import data\)](#)

[FIADB-Lite documentation](#)

Download reference data.

ZIP Files	CSV Files	Number of Records	Last Created Date	Last Modified Date
LICHEN_SPECIES_SUMMARY.ZIP	LICHEN_SPECIES_SUMMARY.CSV	2041	2009/09/03	N/A
REF_CITATION.ZIP	REF_CITATION.CSV	26	2008/12/03	N/A
REF_FIADB_VERSION.ZIP	REF_FIADB_VERSION.CSV	1	2009/02/20	N/A
REF_FOREST_TYPE.ZIP	REF_FOREST_TYPE.CSV	202	2006/10/12	2009/01/28
REF_HABTYP_DESCRIPTION.ZIP	REF_HABTYP_DESCRIPTION.CSV	8357	2006/08/24	2009/02/25
REF_HABTYP_PUBLICATION.ZIP	REF_HABTYP_PUBLICATION.CSV	121	2006/08/09	2005/01/24
REF_LICHEN_SPECIES.ZIP	REF_LICHEN_SPECIES.CSV	981	2009/04/21	2009/04/21
REF_LICHEN_SPP_COMMENTS.ZIP	REF_LICHEN_SPP_COMMENTS.CSV	199	2009/04/21	2009/04/21
REF_PLANT_DICTIONARY.ZIP	REF_PLANT_DICTIONARY.CSV	70305	2003/11/06	2007/03/14
REF_POP_ATTRIBUTE.ZIP	REF_POP_ATTRIBUTE.CSV	92	2009/10/29	2009/10/09



FIA Standard Reports

FIADB version 5.1

Last updated Sat Jun 01 23:00:28 MDT 2013

Forest Statistics for the 48 coterminous States (all ownerships)

(Microsoft Excel Workbook) Forest statistics for 48 coterminous states based on FIA plot sampling

Note: Removals reports are not provided because removals data from FIA field plot is not currently available for all States.

Forest Statistics for National Forest System lands

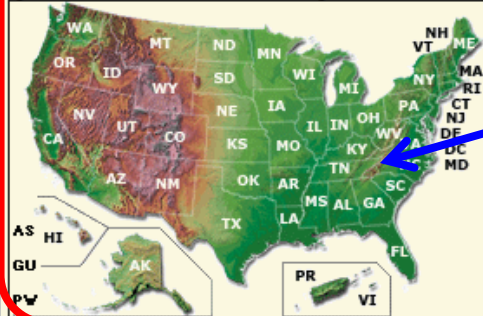
(Link to Official numbers) Land Areas of the National Forest System (LAR)

(Microsoft Excel Workbook) National Forest System lands for 48 coterminous states and Southeast Alaska based on FIA plot sampling

Note: Removals reports are not provided because removals data from FIA field plot is not currently available for all States.

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 and U.S. Territories)



Click on a state

Format of the State Standard Reports

Each State Microsoft Excel file or PDF file will have these 43 reports as separate worksheets. Any report that can be generated by the [VALIDator web application](#) can be easily added to the Standard Reports.

WorksheetName	Metric	Page	Row	Column	Eval_grp
PT01	Area sampled and denied access/hazardous (acres)	None	Land use	Land Use - Major	xxxxxx
PT02	Area of forestland (acres)	None	Ownership all classes	Land Use - Major	xxxxxx
PT03	Area of forestland (acres)	None	Forest type group	Site productivity class	xxxxxx
PT04	Area of forestland (acres)	None	Forest type group	Ownership group	xxxxxx
PT05	Area of forestland (acres)	None	Forest type group	Stand-size class	xxxxxx
PT06	Area of forestland (acres)	None	Forest type group	Stand age	xxxxxx

Forest Inventory Data On-line

Data and Tools

User Alerts:

- User Alert – June 18, 2013: FIA is currently having problems with our online tools. FIA and the Forest Service Chief Information Office personnel are working to resolve these problems. We apologize for any inconvenience.
- User Alerts updated 1/15/2013 ([read more](#))
- FIADB 5.1.4 - has been released. You may notice changes in FIADB tables, FIDO, EVALIDator and the DataMart. Some new tables may not contain data until the 2012 field data are processed.



FIDO Forest Inventory Data Online –
Create your own forest inventory tables and maps.

EVALIDator This program allows users to produce a large variety of population estimates and their sampling errors based on the current FIADB.

FIA DataMart Download raw data, Microsoft Access databases, FIADB Users Manuals, and access standard tables and recent data load history.

Other Reporting Tools Create reports and maps using other online tools, including the Timber Products Output (TPO) Reporting tool, and the National Woodland Owner Survey Table Maker. A link to the Field Sampled Vegetation (FSVeq) pre-processor tool for FIA data.

FIDO

USDA FOREST SERVICE ver: FIDO 1.5.1.05

FIDO -- Custom Retrievals!

Retrieval templates/reports

- Area
 - Sampled
 - Sampled and non-sampled
- Tree count
 - Live trees >= 1" diameter
 - Growing-stock
 - Standing dead >= 5" diameter
- Seedling count
 - Seedlings less than 1" diameter
- Tree volume
 - Net
 - Gross
- Change in volume
 - Average annual net growth
 - Average annual removals
 - Average annual harvest removals
 - Average annual other removals
 - Average annual mortality
- Carbon
 - Aboveground and belowground
 - Aboveground
 - Belowground
 - Litter, woody debris, soil
- Biomass

New retrieval

Click on a report or template in the left hand menu to get more information on the retrieval. Once you have chosen a retrieval, click "Continue" at the bottom of the screen to modify it to suit your needs.

User Alert -- March 6, 2013:
We are working to implement the growth distribution algorithm in **FIDO** (<http://apps.fs.fed.us/fido/>). In order for the algorithm to be used, the FIADB must be reprocessed to insert data into the new database table, TREE_GRM_ESTN, which is needed for the algorithm to be run.
Reprocessing may take up to four weeks or more. In the interim, users who need reconciled growth distributions should contact:
Mary A. Turner,
Senior Forest Inventory and Analysis
Research Station
USDA Forest Service
4700 Old Kingston Pike
Knoxville, TN 37919
Phone: 865/862-2053
Fax: 865/862-0265
e-mail: jturner02@fs.fed.us

Home

Create your custom retrieval by selecting from the list of tasks below:

-
-
-
-
-
-
-
-

Interior West
801-625-5426
jmenlove@fs.fed.us

Pacific Northwest
503-808-2046
kwaddell@fs.fed.us

Northern
600-557-4031
cjbarnett@fs.fed.us

Southern
865-862-2087
cperry@fs.fed.us

FIDO Wizard

Begin a new report by selecting an existing report or template to use as a starting point. You must select a template from the list in the left menu to continue.

Add custom file

FIDO Filters

FIDO -- Custom Retrievals!

Filter options

- Plot attributes
 - Distance to improved road
 - Plot elevation
- Land (condition) attributes
 - All live stocking
 - Condition status
 - Disturbance 1
 - Disturbance 2
 - Disturbance 3
 - Forest-type groups
 - Growing-stock stocking
 - Administrative forest code
 - Ownership group
 - Physiographic class
 - Reserved status
 - Site index class
 - Site productivity class
 - Slope (in percent)
 - Stand age classifications
 - Stand origin
 - Stand-size class
 - Stand treatment
 - Stand-size class assigned by the field crew
- Tree attributes
 - Cause of death
 - Crown class
 - Standing dead code
 - Tree diameter classifications

Add custom file

Select filter options

You can limit the data used to generate your report by selecting from the list of filter options on the left. Each option has subcategories. You may select as many as you wish.

Filters:

- No filters

FIDO Wizard

You can choose to filter your report data on virtually any field. Open the various filtering options by clicking on the left-hand menu items. You do not need to specify a filter.

Summary Attribute: Volume of all live on forest land (cuft) (14), Volume of all live on timberland (cuft) (17)

Report Layout: Table break: U.S. States (plot.statecd)
Row break: Ownership (cond.owncd)
Column break: Reserved status (cond.reservcd)

Filter Options: - No selections made -

Area of Interest: - Not yet selected (required) -

Survey Years: - Not yet selected (required) -

Minimize Wizard

Create your custom retrieval by selecting from the list of tasks below:

-
-
-
-
-
-
-
-

Interior West
801-625-5426
jmenlove@fs.fed.us

Pacific Northwest
503-808-2046
kwaddell@fs.fed.us

Northern
610-557-4000
cjperry@fs.fed.us

Southern
865-862-2087
cjperry@fs.fed.us

FIDO Region of Interest

FIDO -- Custom Retrievals!

Region selection

Circular boundary

Center in decimal degrees:
lat: lon:
radius: in miles

Ecoregions

State and counties

- Alabama (1)
- Alaska (2)
- Arizona (4)
- Arkansas (5)
- California (6)
- Colorado (8)
- Connecticut (9)
- Delaware (10)
- District of Columbia (11)
- Florida (12)
- Georgia (13)
- Hawaii (15)
- Idaho (16)
- Illinois (17)
- Indiana (18)
- Iowa (19)
- Kansas (20)
- Kentucky (21)
- Louisiana (22)
- Maine (23)
- Maryland (24)
- Massachusetts (25)
- Michigan (26)
- Minnesota (27)

U.S. map

Base Layer

- Open StreetMap
- Google Physical
- Google Streets
- Google Hybrid
- Google Satellite

Overlays

- Forest Service Layer

FIDO Survey Years

USDA FOREST SERVICE

ver: FIDO 1.5.1.05

Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet by Ownership and Reserved status

Home

FIDO -- Custom Retrievals!

Create your custom retrieval by selecting from the list of tasks below:

Survey years

- 2011 (MI, MN, WI)
- 2010 (MI, MN, WI)
- 2009 (MI, MN, WI)
- 2008 (MI, MN, WI)
- 2007 (MI, MN, WI)
- 2006 (MI, MN, WI)
- 2005 (MI, MN, WI)
- 2004 (MI, MN, WI)
- 2003 (MI, MN, WI)
- 1996 (WI)
- 1993 (MI)
- 1990 (MN)
- 1983 (WI)
- 1980 (MI)
- 1977 (MN)

Choose survey years

Choose the survey years on which you want to base your report. The survey years displayed are dependent on the states in your region of interest.

2011

- MICHIGAN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME
Supported attributes:
 - Volume of all live on forest land (cuft)
 - Volume of all live on timberland (cuft)
- MINNESOTA 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME
Supported attributes:
 - Volume of all live on forest land (cuft)
 - Volume of all live on timberland (cuft)
- WISCONSIN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME
Supported attributes:
 - Volume of all live on forest land (cuft)
 - Volume of all live on timberland (cuft)

1996

- Michigan
There are no matching attributes for this year.
- Minnesota
There are no matching attributes for this year.
- WISCONSIN 1996: CURRENT VOLUME (PERIODIC)
Supported attributes:
 - Volume of all live on timberland (cuft)

1993

- MICHIGAN 1993: CURRENT VOLUME (PERIODIC)
Supported attributes:
 - Volume of all live on timberland (cuft)
- Minnesota
There are no matching attributes for this year.
- Wisconsin
There are no matching attributes for this year.

Start New Retrieval

Set Summary Attribute

Design Report Layout

Select Filter Options

Define Region of Interest

Choose Survey Years

Produce Report

Save Active Retrieval

Interior West
801-625-5426
jmenlove@fs.fed.us

Pacific Northwest
503-808-2046
kwaddell@fs.fed.us

Northern
610-557-4031
cjbarnett@fs.fed.us

Southern
865-862-2087
cperry@fs.fed.us

Add custom file

Browse...

Add Custom FIDO file

Minimize Wizard

Restart

Continue >>

FIDO Output Format

The image shows a software dialog box titled "Report list" with a close button (X) in the top right corner. The dialog is divided into sections. The first section is "General options", which includes a checked checkbox for "Customize report title...". Below this checkbox is a text input field containing "Live trees >= 5" diameter" and two small arrow buttons (up and down). There are also two unchecked checkboxes: "Show empty rows" and "Metric measurement". The second section is "Mapping options", which is partially visible. At the bottom of the dialog, there is a dropdown menu with a downward arrow. The dropdown is open, showing a list of output formats: "Html Table" (highlighted in blue), "Map", "Spreadsheet", and "PDF".

Report list

Live trees >= 5" diameter

General options

Customize report title...

Live trees >= 5" diameter

Show empty rows

Metric measurement

Mapping options

Html Table

Html Table

Map

Spreadsheet

PDF

HTML Table Output

Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet by Ownership and Reserved status

Report display

Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on forest land

Inventory - MICHIGAN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME

Michigan (26) -- MICHIGAN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on forest land

Ownership	Reserved status		Total
	Not reserved (0)	Reserved (1)	
National forest (11)	5,049,811,935	211,304,090	5,261,116,025
National Park Service (21)	--	542,116,129	542,116,129
Fish and Wildlife Service (23)	39,178,417	8,985,866	48,164,283
Department of Defense or Energy (24)	30,355,266		30,355,266
Other federal (25)	14,128,103		14,128,103
State (31)	5,882,345,540	169,844,900	6,052,190,439
Local (county, municipal, etc.) (32)	644,849,575	1,499,170	646,348,746
Other non federal lands (33)	15,877,185	--	15,877,185
Undifferentiated private (46)	20,720,484,925	--	20,720,484,925
Totals:	32,397,030,946	933,750,156	33,330,781,102

Inventory - WISCONSIN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME

Wisconsin (55) -- WISCONSIN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on forest land

Ownership	Reserved status		Total
	Not reserved (0)	Reserved (1)	
National forest (11)	2,383,897,326	78,607,324	2,462,504,650
National Park Service (21)	--	88,450,575	88,450,575
Fish and Wildlife Service (23)	193,971,496	--	193,971,496
Department of Defense or Energy (24)	47,604,778	--	47,604,778
Other federal (25)	15,792,293	--	15,792,293
State (31)	1,557,712,772	11,328,306	1,569,041,078
Local (county, municipal, etc.) (32)	2,862,592,515	--	2,862,592,515
Other non federal lands (33)	16,003,077	--	16,003,077
Undifferentiated private (46)	16,867,389,472	--	16,867,389,472
Totals:	23,944,963,730	178,386,205	24,123,349,934

Error: 0.9%

Report Summary

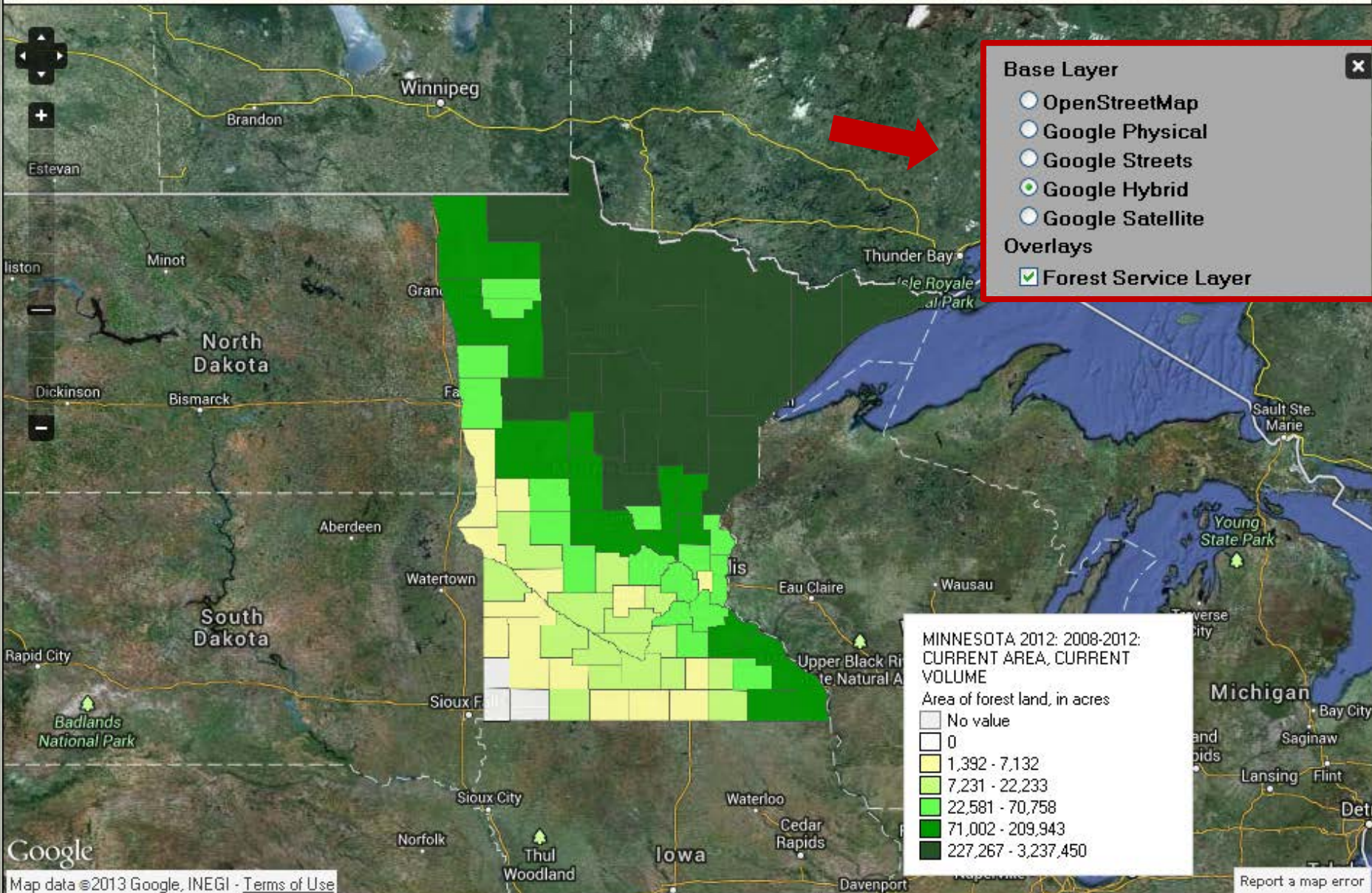
Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on forest land

Inventory :: State	Reserved status		Total
	Not reserved (0)	Reserved (1)	
MICHIGAN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME :: Michigan (26)	32,397,030,946	933,750,156	33,330,781,102
WISCONSIN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME :: Wisconsin (55)	23,944,963,730	178,386,205	24,123,349,934

Map Output

Report display

[Change map summary attribute](#)



PDF Output

5,049,811,935 / 2.1%

--

--

--

Inventory -- MICHIGAN 2011: 2007-2011: CURRENT AREA, CURR

Michigan (2)

Ownership	Unknown rese
Unknown owncd (-)	
Unknown/not recorded (-1)	
National forest (11)	
National grassland (12)	
Other national forest (13)	
National Park Service (21)	
Bureau of Land Management (22)	
Fish and Wildlife Service (23)	
Department of Defense or Energy (24)	
Other federal (25)	
State (31)	
Local (county, municipal, etc.) (32)	
Other non federal lands (33)	
Undifferentiated private (46)	
Totals:	

39,178,417 / 40.1%

30,355,266 / 48.3%

14,128,103 / 63.2%

5,882,345,540 / 2.6%

644,849,575 / 12.5%

15,877,185 / 66.7%

20,720,484,925 / 1.3%

32,397,030,946 / 1.0%

Michigan (2)

Ownership	Unknown rese
Unknown owncd (-)	
Unknown/not recorded (-1)	
National forest (11)	
National grassland (12)	
Other national forest (13)	
National Park Service (21)	
Bureau of Land Management (22)	
Fish and Wildlife Service (23)	
Department of Defense or Energy (24)	
Other federal (25)	
State (31)	
Local (county, municipal, etc.) (32)	
Other non federal lands (33)	
Undifferentiated private (46)	
Totals:	

20,629,193,653 / 1.3%

32,233,758,618 / 1.0%

Total

0

--

0% 5,261,116,025 / 1.9%

--

--

2% 542,116,129 / 14.2%

--

6% 48,164,283 / 34.9%

--

-- 30,355,266 / 48.3%

--

-- 14,128,103 / 63.2%

2%

6,052,190,439 / 2.6%

0%

646,348,746 / 12.4%

--

-- 15,877,185 / 66.7%

--

-- 20,720,484,925 / 1.3%

3%

33,330,781,102 / 0.9%

Total

0

--

--

0 5,001,578,877 / 2.1%

--

--

0

0

--

0 39,178,417 / 40.1%

--

-- 30,355,266 / 48.3%

--

-- 14,128,103 / 63.2%

0

0 5,858,597,542 / 2.7%

0

0 644,849,575 / 12.5%

--

-- 15,877,185 / 66.7%

-- 20,629,193,653 / 1.3%

0 32,233,758,618 / 1.0%

Table Descriptions

Domain break descriptions

Table-break attribute

State

U.S. State code and name.

Row attribute

Owner Class

Landowner classes are a further categorization of the general landowner groupings. Landowner groups and classes:

- 11- National Forest
- 12- National Forest
- 13- National Forest
- 21- National Park Service
- 22- Bureau of Land Management
- 23- Fish and Wildlife Service
- 24- Department of Defense/Energy
- 25- Other federal
- 31- State
- 32- Local (County, Municipal, etc)
- 33- Other non-federal public
- 46- Undifferentiated private

Column attribute

Reserve Status

Reserved land is land that is withdrawn by law(s) prohibiting the management of the land for the production of wood products. Reserved status is either 'Not reserved' or 'Reserved'.

- 0- Not reserved
- 1- Reserved

Term descriptions

Tree

A woody plant usually having one or more erect perennial stems, a stem diameter at breast height of at least 3.0 inches, a more or less definitely formed crown of foliage, and a height of at least 15 feet at maturity.

Forest land

Land at least 10-percent stocked by trees of any size, including land that formerly had such tree cover and that will be naturally or artificially regenerated. Forest land includes transition zones, such as areas between heavily forested and nonforested lands that are at least 10-percent stocked with trees and forest areas adjacent to urban and builtup lands. Also included are pinyon-juniper and chaparral areas in the West and afforested areas. The minimum area for classification of forest land is 1 acre and 120 feet wide measured stem-to-stem from the outer-most edge. Unimproved roads and trails, streams, and clearings in forest areas are classified as forest if less than 120 feet wide.

MS Excel Output

	A	B	C	D	E
1	Inventory - MICHIGAN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME				
2	- MICHIGAN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic fe				
3	Ownership	-- Unknown rese Not reserved (0) Reserved (1)		Total	
4	Unknown/not recorded (-1)	--	--	--	--
5	National forest (11)	--	5049811935	211304090.2	5261116025
6	National grassland (12)	--	--	--	--
7	Other national forest (13)	--	--	--	--
8	National Park Service (21)	--	--	542116129.2	542116129.2
9	Bureau of Land Management (22)	--	--	--	--
10	Fish and Wildlife Service (23)	--	39178416.81	8985866.328	48164283.14
11	Department of Defense or Energy (24)	--	30355265.93	--	30355265.93
12	Other federal (25)	--	14128103.26	--	14128103.26
13	State (31)	--	5882345540	169844899.6	6052190439
14	Local (county, municipal, etc.) (32)	--	644849575.4	1499170.304	646348745.7
15	Other non federal lands (33)	--	15877184.96	--	15877184.96
16	Undifferentiated private (46)	--	20720484925	--	20720484925
17	Totals:	0	32397030946	933750155.6	33330781102
18					
19	Inventory - WISCONSIN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME				
20	- WISCONSIN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic f				
21	Ownership	-- Unknown rese Not reserved (0) Reserved (1)		Total	
22	Unknown/not recorded (-1)	--	--	--	--
23	National forest (11)	--	2383897326	78607324.05	2462504650
24	National grassland (12)	--	--	--	--
25	Other national forest (13)	--	--	--	--
26	National Park Service (21)	--	--	88450574.72	88450574.72
27	Bureau of Land Management (22)	--	--	--	--
28	Fish and Wildlife Service (23)	--	193971496.5	--	193971496.5
29	Department of Defense or Energy (24)	--	47604778.43	--	47604778.43
30	Other federal (25)	--	15792293.02	--	15792293.02
31	State (31)	--	1557712772	11328305.99	1569041078
32	Local (county, municipal, etc.) (32)	--	2862592515	--	2862592515
33	Other non federal lands (33)	--	16003076.54	--	16003076.54
34	Undifferentiated private (46)	--	16867389472	--	16867389472
35	Totals:	0	23944963730	178386204.8	24123349934

Estimate

Sampling error

Copy, Edit, or Delete Report

USDA FOREST SERVICE ver: FIDO 1.5.1.05

FIDO -- Custom Retrievals!

Report list

- Live trees >= 5" diameter X
- General options
- Mapping options

What Table?

Copy
Edit
Display

Report display Print

Live trees >= 5" diameter

The color of each estimated value represents its percent sampling error (pse); if estimate is **black**, pse is less than or equal to 25%; if estimate is **teal**, pse is greater than 25% and less than or equal to 50%; if estimate is **gold**, pse is greater than 50%

Volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on forest land

Inventory - MICHIGAN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME

Michigan (26) -- MICHIGAN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on forest land

Ownership	Reserved status		Total
	Not reserved (0)	Reserved (1)	
National forest (11)	5,049,811,935	211,304,090	5,261,116,025
National Park Service (21)	--	542,116,129	542,116,129
Fish and Wildlife Service (23)	39,178,417	8,985,866	48,164,283
Department of Defense or Energy (24)	30,355,266	--	30,355,266
Other federal (25)	14,128,103	--	14,128,103
State (31)	5,882,345,540	169,844,900	6,052,190,439
Local (county, municipal, etc.) (32)	644,849,575	1,499,170	646,348,746
Other non federal lands (33)	15,877,185	--	15,877,185
Undifferentiated private (46)	20,720,484,925	--	20,720,484,925
Totals:	32,397,030,946	933,750,156	33,330,781,102

Inventory - WISCONSIN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME

Home

Create your custom retrieval by selecting from the list of tasks below:

- Start New Retrieval
- Set Summary Attribute
- Design Report Layout
- Select Filter Options
- Define Region of Interest
- Choose Survey Years
- Produce Report
- Save Active Retrieval

Interior West
801-625-5426
jmenlove@fs.fed.us

Pacific Northwest
503-808-2046
kwaddell@fs.fed.us

Northern
610-557-4031
qjbarnett@fs.fed.us

Southern
865-862-2087
cperry@fs.fed.us

FIDO Wizard

Here is where you can see the results of your custom retrieval. It may take a while to generate a multi-state retrieval, especially if there is a lot of demand, so please be patient. Click "Submit" to send your request. You can cancel your request by clicking the "Cancel" button. If you have made changes to a report previously run, you must click "Submit" again to display the new data.

- Summary Attribute:** Volume of all live on forest land (cuft) (14), Volume of all live on timberland (cuft) (17)
- Report Layout:** Table break: U.S. States (plot.statecd)
Row break: Ownership (cond.owncd)
Column break: Reserved status (cond.reservcd)
- Filter Options:** - No selections made -
- Area of Interest:** Michigan (26), Wisconsin (55)
- Survey Years:** MICHIGAN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME, WISCONSIN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME

Minimize Wizard Restart

Add custom file

Browse...

Add Custom FIDO file

Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet by Ownership and Reserved status

Home

FIDO -- Custom Retrievals!

Selected template information

You can select a pre-made report layout from the list below, or you can create your own page/row/column layout in the next menu. Using either option, click on "Use as template" to continue.

Retrieval templates/reports

- Area
 - Sampled
 - Sampled and non-sampled
- Tree count
 - Live trees >= 1" diameter
 - Growing-stock
 - Standing dead >= 5" diameter
- Seedling count
 - Seedlings less than 1" diameter
- Tree volume
 - Net
 - Live trees >= 5" diameter
 - Sound, live trees >= 5" diameter
 - Growing-stock
 - Sawlog portion
 - Sawtimber
 - Standing dead >= 5" diameter
 - Gross
- Change in volume
 - Average annual net growth
 - Average annual removals
 - Average annual harvest removals
 - Average annual other removals
 - Average annual mortality
- Carbon
 - Aboveground and belowground
 - Aboveground
 - Belowground
 - Litter, woody debris, soil
- Biomass
 - Aboveground
 - Belowground

Template name: Sawlog portion
Description: Net volume of saw-log portion of sawtimber trees, in cubic feet
 Net cubic-foot volume in the sawlog portion. The net 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 diameter 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.
 For woodland species (trees where the diameter is measured at root collar [DRC]), this is the net volume of wood and bark from the DRC measurement point(s) to a 1-inch top diameter; includes branches that are at least 1 inches in diameter along the length of the branch.
Row break: Ownership
 Landowner classes are a further categorization of the general landowner groupings.
 Landowner groups and classes:

- 11- National Forest
- 12- National Forest
- 13- National Forest
- 21- National Park Service

Select a new report

- By Ownership and Reserved status
- By Forest type group and Stand size
- By Species group and Diameter class
- By Species group and Ownership group

Summary Attribute: Volume of sawlog portion on forest land (cuft) (16), Volume of sawlog portion on timberland (cuft) (19)

Filter Options: - No selections made -

- Keep Current Region of Interest
- Keep Current Survey Year(s)

Keep Area and Years

Use as Template

FIDO Wizard

Begin a new report by selecting an existing report or template to use as a starting point. You must select a template from the list in the left menu to continue.

Summary Attribute: Volume of all live on forest land (cuft) (14), Volume of all live on timberland (cuft) (17)

Report Layout: Table break: U.S. States (plot.statecd)
 Row break: Ownership (cond.owncd)
 Column break: Reserved status (cond.reservcd)

Filter Options: - No selections made -

Area of Interest: Michigan (26), Wisconsin (55)

Survey Years: MICHIGAN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME, WISCONSIN 2011: 2007-2011: CURRENT AREA, CURRENT VOLUME

Minimize Wizard

Restart

Add custom file

Create your custom retrieval by selecting from the list of tasks below:

-
-
-
-
-
-
-
-

Interior West
 801-625-5426
 jmenlove@fs.fed.us

Pacific Northwest
 503-808-2046
 kwaddell@fs.fed.us

Northern
 610-557-4031
 qjbarnett@fs.fed.us

Southern
 865-862-2087
 cperry@fs.fed.us

Collect Reports

USDA FOREST SERVICE

ver: FIDO 1.5.1.05

Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in cubic feet by Species group and Ownership

FIDO -- Custom Retrievals!

Report list

- Live trees >= 5" diameter
- Sawlog portion
- Live trees >= 1" diameter
- Sampled
- Growing-stock

Report display

Your request is ready to be submitted

Please click the submit button.

Submit

All reports in your current session remain active. Select one to redisplay or edit.

FIDO Wizard

Here is where you can see the results of your custom retrieval. It may take a while to generate a multi-state retrieval, especially if there is a lot of demand, so please be patient. Click "Submit" to send your request. You can cancel your request by clicking the "Cancel" button. If you have made changes to a report previously run, you must click "Submit" again to display the new data.

Summary Attribute: Net growth of growing stock on forest land (cuft/year) (26), Net growth of growing stock on timberland (cuft/year) (29)

Report Layout: Table break: U.S. States (plot.statecd)
Row break: Species group (tree.spgrpcd)
Column break: Ownership (cond.owncd)

Filter Options: - No selections made -

Area of Interest: Michigan (26), Wisconsin (55)

Survey Years: MICHIGAN 2011: 2002-2006 to 2007-2011: AREA CHANGE, GROWTH, REMOVALS, MORTALITY, WISCONSIN 2011: 2002-2006 to 2007-2011: AREA CHANGE, GROWTH, REMOVALS, MORTALITY

Minimize Wizard

Restart

Add custom file

Browse...

Add Custom FIDO file

Home

Create your custom retrieval by selecting from the list of tasks below:

Start New Retrieval

Set Summary Attribute

Design Report Layout

Select Filter Options

Define Region of Interest

Choose Survey Years

Produce Report

Save Active Retrieval

Interior West
801-625-5426
jmenlove@fs.fed.us

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503-808-2046
kwaddell@fs.fed.us

Northern
610-557-4031
cjbarnett@fs.fed.us

Southern
865-862-2087
cperry@fs.fed.us

Save FIDO session to use again. . .

USDA FOREST SERVICE ver: FIDO 1.5.1.05

Area of forest land, in acres; Area of timberland, in acres by Ownership and Reserved status

FIDO -- Custom Retrievals!

Save/restore options
To save your current configuration as a file to your computer for restore later, click the 'Save Custom FIDO...' button.

Save Custom FIDO

Template information
If you would like to change the name, title, description or author for your template, enter the changes in the textboxes below.

Report name: Area of sampled land, Minnesota 2012

0% of fido.xacfg from apps.fs.fed.us Completed

Save As

Save in: temp

download.xacfg
FIDO_Minnesota_2012.xacfg

My Recent Documents
Desktop
My Documents
My Computer

File name: FIDO_Minnesota_2012.xacfg
Save as type: .xacfg Document

Save
Cancel

Home
Create your custom retrieval by selecting from the list of tasks below:

- Start New Retrieval
- Set Summary Attribute
- Design Report Layout
- Select Filter Options
- Define Region of Interest
- Choose Survey Years
- Produce Report
- Save Active Retrieval

Interior West
801-625-5426
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cperry@fs.fed.us

Add custom file
Browse...
Add Custom FIDO file

Minimize Wizard Restart

EVALIDator

Data and Tools

User Alerts:

- User Alert – June 18, 2013: FIA is currently having problems with our online tools. FIA and the Forest Service Chief Information Office personnel are working to resolve these problems. We apologize for any inconvenience.
- User Alerts updated 1/15/2013 ([read more](#))
- FIADB 5.1.4 - has been released. You may notice changes in FIADB tables, FIDO, EVALIDator and the DataMart. Some new tables may not contain data until the 2012 field data are processed.



FIDO Forest Inventory Data Online –
Create your own forest inventory tables and maps.

EVALIDator This program allows users to produce a large variety of population estimates and their sampling errors based on the current FIADB.

FIA DataMart Download raw data, Microsoft Access databases, FIADB Users Manuals, and access standard tables and recent data load history.

Other Reporting Tools Create reports and maps using other online tools, including the Timber Products Output (TPO) Reporting tool, and the National Woodland Owner Survey Table Maker. A link to the Field Sampled Vegetation (FSVeq) pre-processor tool for FIA data.



EVALIDator Version 1.5.1.05

Revision date: March 5, 2013

Step 1 of 3 (choosing the retrieval type and estimate type)

Retrieval Type

The "State(s) retrieval" type is the default. You should only select the "Circle retrieval" type when the area of interest is a circular area around some point. If you choose the circle option you must also enter the latitude and longitude of point center in decimal degrees (the latitude and longitude of Duluth, for example, is latitude=46.78 and longitude=-92.12) and enter the circle radius in miles. A location's latitude and longitude can be obtained using [Google Maps](#) (1. locate the point of interest using Google Maps, 2. right click on the location, 3. select "What's here?", 4. click on the green arrow to get the coordinates).



State(s) retrieval
Note: Polygon retrievals can be run by adding a SQL filtering clause via the textbox in Step 3.

Circle Retrieval
Latitude:
Longitude:
Radius(miles):

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

Area of forest land, in acres
Area of timberland, in acres
===NUMBER OF TREES OR SEEDLINGS ___ ON FOREST LAND===
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 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



There are 130 types of population attributes.

Show all available inventories
 Limit retrieval to only most recent inventories



Population estimate Standard estimate (forest area, or volume, or...)

Ratio estimate Ratio of Means (volume/acre, or growth/volume, or...) **New!** To generate shaded county maps choose "Ratio Estimate" here in step 1 and then pick "County code and name" for the classification variable in step 3.

EVALIDator – Step 2



EVALIDator Version 1.5.1.05

Revision date: March 5, 2013

Step 2 of 3 (choosing the geographic area)

Note: For analyzing trends choose multiple inventories for a state.

ResearchStationCode/Evalid/State/YearsDataCollected

(this list of evaluations was obtained from the POP_EVAL_ATTRIBUTE table based on the attribute selected in step 1)

RSCD=23	EVALID=270301	MINNESOTA	1999;2000;2001;2002;2003
RSCD=23	EVALID=270401	MINNESOTA	2000;2001;2002;2003;2004
RSCD=23	EVALID=270501	MINNESOTA	2001;2002;2003;2004;2005
RSCD=23	EVALID=270601	MINNESOTA	2002;2003;2004;2005;2006
RSCD=23	EVALID=270701	MINNESOTA	2003;2004;2005;2006;2007
RSCD=23	EVALID=270801	MINNESOTA	2004;2005;2006;2007;2008
RSCD=23	EVALID=270901	MINNESOTA	2005;2006;2007;2008;2009
RSCD=23	EVALID=271001	MINNESOTA	2006;2007;2008;2009;2010
RSCD=23	EVALID=271101	MINNESOTA	2007;2008;2009;2010;2011
RSCD=23	EVALID=271201	MINNESOTA	2008;2009;2010;2011;2012

There are 362 geographic/temporal areas for which this attribute can be calculated. Please click on the geographic/temporal area(s) of interest to highlight it/them and then click on the Continue button

Note: To add or subtract to the list of selected items hold down the control key while clicking on individual items in the dropdown list.

Continue

In step 1 you selected:

Net volume of live trees (at least 5 inches d.b.h./d.r.c.), in cubic feet, on forest land as the attribute of interest.

State as the report type.

In step 3 you selected as:

EVALIDator – Step 3

Page variable	Temporal basis
None	
All live stocking	
AppalachianRegionARC	Current
Artificial regen species	
Aspect	
Basal area all live	
Condition number	
Condition proportion	
Congressional District	
Distance to road	

Column variable	Temporal basis
All live stocking	Current
AppalachianRegionARC	
Aspect	
Basal area all live	
Condition number	
Condition proportion	
Distance to road	
Disturbance 1	
Disturbance 2	
Disturbance 3	

Row variable	Temporal basis
Trend analysis - StateInventories for rows...no pages	Current
All live stocking	
AppalachianRegionARC	
Artificial regen species	
Aspect	
Basal area all live	
Condition number	
Condition proportion	
Congressional District	
County code and name	

There are 41 classification variables.

- Show results
 ADD/CLEAR Filters

In step 1 you selected:

Area of forest land, in acres as the attribute of interest.

State as the report type

In step 2 you selected:

RSCD=33 EVALID=11201_ ALABAMA 2006;2007;2008;2009;2010;2011;2012

as the geographic/temporal area(s) of interest.

In step 3 you selected as:

the filter string.

sessionId=99382B1B5AA9102C5AD2872597F01CA8

Optional filtering to restrict the retrieval by stand and or tree characteristics

To limit the retrieval to specific counties use the control key and the mouse to select the desired counties from the dropdown list below.

- 27 001 MN Aitkin
- 27 003 MN Anoka
- 27 005 MN Becker
- 27 007 MN Beltrami
- 27 009 MN Benton
- 27 011 MN Big Stone
- 27 013 MN Blue Earth
- 27 015 MN Brown
- 27 017 MN Carlton
- 27 019 MN Carver

Ownership

- All Ownership classes
- Specific Ownership class by Ownership Group (You must select one or more of the following ownership groups.)

- 10 National Forest
- 20 Other federal
- 30 State and local government
- 40 Private

- Specific Ownership class by Ownership Class (You must choose one or more combinations of ownership classes.)

- 11 National Forest
- 12 National Grassland
- 13 Other Forest Service
- 21 National Park Service
- 22 Bureau of Land Management
- 23 Fish and Wildlife Service

- National Forest System Land by Administrative Forest (You must choose one or more combinations of administrative forest.) This option will select only national forest system land. The first digit of the three-digit code before the national forest name identifies the region code (note: Region 10 -Alaska is denoted by 0) while the second and third digits identify the national forest code.

- 0102 Beaverhead-Deerlodge
- 0103 Bitterroot
- 0104 Idaho Panhandle
- 0105 Clearwater
- 0108 Custer
- 0109 Deerlodge

Tree filter

There are three tree filters where the user may choose either (1) the default mode; which is already marked for selecting ALL tree attributes within a category, or (2) the specific selections; which is a user-defined option that must be designated interactively followed by the selection of only those attributes of interest.

Species

- All Species
- Specific Species by Species Group(You must choose one or more combinations of species groups.)

- 01 Longleaf and slash pine
- 02 Loblolly and shortleaf pine
- 03 Other yellow pines
- 04 Eastern white and red pine
- 05 Jack pine
- 06 Spruce and balsam fir

- Specific Species by Detailed Species(You must choose one or more combinations of species. Note: Species are sorted by species code (for the most part softwoods are listed first (codes 010 through 299) followed by hardwoods (codes 300 through 999) and then tropical species).

- 0010 Abies spp.(fir spp.)
- 0011 Abies amabilis(Pacific silver fir)
- 0012 Abies balsamea(balsam fir)
- 0014 Abies bracteata(Santa Lucia or bristlecone fir)
- 0015 Abies concolor(white fir)
- 0016 Abies fraseri(Fraser fir)
- 0017 Abies grandis(grand fir)
- 0018 Abies lasiocarpa(corkbark fir)
- 0019 Abies lasiocarpa(subalpine fir)
- 0020 Abies magnifica(California red fir)

Tree diameter

- All diameters
- Specific diameters (You must enter the minimum and maximum diameter range.)

Minimum Diameter Maximum Diameter

Text area to input additional SQL where clause: (experts only please - syntax must be exact - example: to limit the retrieval to National Forest ownership put "and cond.owncd=11" in the textbox)

```
and plot.cn in ( SELECT /*+ ordered */ CN FROM
fs_fia_spatial.fiadb3_plot_geom c WHERE sdo_relate
(c.geom, sdo_geometry(2003, 8265, null,
sdo_elem_info_array(1, 1003, 1), sdo_ordinate_array(-
93,45, -94,45, -94.5,44.5, -94,44, -93,44, -
93,45)), 'mask=ANYINTERACT querytype=WINDOW') = 'TRUE')
```

EVALIDator – Output

EVALIDator Version 1.5.1.05 - View report

Estimate type Number of live trees (at least 1 inch d.b.h./d.r.c.), in trees, on timberland

Statecd/EVALID(s):

RSCD=33 EVALID=281201 MISSISSIPPI 2006;2009;2010;2011;2012

Page variable=None (based on values from the Current inventory).

Row variable=Tree class (based on values from the Current inventory).

Column variable=Ownership group (based on values from the Current inventory).

Estimate:

Tree class	Ownership group				
	Total	National Forest	Other federal	State and local	Private
Total	13,645,285,149	711,359,021	241,126,095	280,777,808	12,412,022,224
Growing stock	9,261,186,088	480,369,986	137,729,783	198,112,611	8,444,973,708
Rough cull	4,364,233,642	229,862,193	102,876,856	82,486,623	3,949,007,970
Rotten cull	19,865,419	1,126,842	519,457	178,575	18,040,546

Sampling error percent:

Tree class	Ownership group				
	Total	National Forest	Other federal	State and local	Private
Total	1.45	7.88	14.02	17.94	1.62
Growing stock	1.83	8.73	16.18	22.97	1.99
Rough cull	2.55	11.21	18.88	17.80	2.78
Rotten cull	9.41	20.91	28.04	44.98	10.28

Population Estimate Description

Tree: A woody plant usually having one or more erect perennial stems, a stem diameter at breast height of at least 3.0 inches, a more or less definitely formed crown of foliage, and a height of at least 15 feet at maturity.

Forest land: Land at least 10-percent stocked by trees of any size, including land that formerly had such tree cover and that will be naturally or artificially regenerated.

Forest land includes transition zones, such as areas between heavily forested and nonforested lands that are at least 10-percent stocked with trees and forest areas

EVALIDator – Output

This Oracle SQL statement can be used to derive estimates:

```
SELECT rowstr,colstr,ROUND(SUM(units_long_calc)) units FROM ( SELECT 'RSCD='||to_char(pop_eval.RSCD)||' EVALID='||to_char
(pop_eval.evalid)||substr('_____',1,6-length(to_char(pop_eval.evalid)))||' ||UPPER(pop_eval.LOCATION_NM)||' ||pop_eval.REPORT_YEAR_NM
rowstr,pop_stratum.estn_unit, pop_stratum.stratumcd, decode(nvl(cond.alstkcd,-1), 1,'0001 Overstocked', 2,'0002 Fully stocked', 3,'0003 Medium
stocked', 4,'0004 Poorly stocked', 5,'0005 Nonstocked', -1,'0006 Unavailable', '0007 Other') colstr,SUM(nvl(cond.condprop_unadj* decode
(cond.prop_basis,'MACR',pop_stratum.adj_factor_macr,pop_stratum.adj_factor_subp),0)*
(pop_estn_unit.area_used*pop_stratum.p1pointcnt/pop_estn_unit.p1pntcnt_eu)/pop_stratum.p2pointcnt) units_long_calc FROM FS_FIADB.cond
cond,FS_FIADB.plot plot, FS_FIADB.plotgeom plotgeom,FS_FIADB.pop_plot_stratum_assgn ppp, FS_FIADB.pop_stratum pop_stratum,
FS_FIADB.pop_estn_unit pop_estn_unit, FS_FIADB.pop_eval_grp pop_eval_grp, FS_FIADB.pop_eval_typ pop_eval_typ, FS_FIADB.pop_eval
pop_eval WHERE 1=1 and pop_eval_typ.eval_typ='EXPCURR' and cond.cond_status_cd=1 and plot.cn in ( SELECT /*+ ordered */ CN FROM
fs_fia_spatial.fiadb3_plot_geom c WHERE sdo_relate(c.geom, sdo_geometry(2003, 8265, null, sdo_elem_info_array(1, 1003, 1), sdo_ordinate_array(-
93,45, -94,45, -94.5,44.5, -94,44, -93,44, -93,45)), 'mask=ANYINTERACT querytype=WINDOW') = 'TRUE') and cond.plt_cn=plot.cn and
plot.cn=plotgeom.cn and ppp.plt_cn=plot.cn AND ppp.stratum_cn=pop_stratum.cn and pop_estn_unit.cn=pop_stratum.estn_unit_cn AND
pop_eval_typ.eval_grp_cn=pop_eval_grp.cn and pop_eval.cn=pop_eval_typ.eval_cn and pop_eval.cn=pop_estn_unit.eval_cn and ( (pop_eval.rscd=23
and pop_eval.evalid=271201)) GROUP BY 'RSCD='||to_char(pop_eval.RSCD)||' EVALID='||to_char(pop_eval.evalid)||substr('_____',1,6-length
(to_char(pop_eval.evalid)))||' ||UPPER(pop_eval.LOCATION_NM)||' ||pop_eval.REPORT_YEAR_NM,pop_stratum.estn_unit, pop_stratum.stratumcd,
decode(nvl(cond.alstkcd,-1), 1,'0001 Overstocked', 2,'0002 Fully stocked', 3,'0003 Medium stocked', 4,'0004 Poorly stocked', 5,'0005
Nonstocked', -1,'0006 Unavailable', '0007 Other')) GROUP BY rowstr,colstr
```

The Take Home

- Google 'FIA'
- Get Reports/Data/User Guides/Tools