

r203_fln_shp

Metadata also available as

Metadata:

- [Identification Information](#)
 - [Data Quality Information](#)
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 - [Spatial Reference Information](#)
 - [Entity and Attribute Information](#)
 - [Distribution Information](#)
 - [Metadata Reference Information](#)
-

Identification_Information:

Citation:

Citation_Information:

Originator:

USDA Forest Service, Rocky Mountain Region, Forest Health Management

Publication_Date: January 15, 2004

Title: r203_fln_shp

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: <<http://www.fs.fed.us/r2/resources/fhm/aerialsurvey/>>

Larger_Work_Citation:

Citation_Information:

Originator:

USDA Forest Service, Rocky Mountain Region, Forest Health Management

Publication_Date: 1950 to present

Title: Annual Aerial Detection Overview Survey

Edition: 2003

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage:

<<http://www.fs.fed.us/r2/resources/fhm/aerialsurvey/>>

Description:

Abstract:

2003 USDA Forest Service, Rocky Mountain Region Aerial Detection Survey Data. "Flown/ not flown" (r203_fln) feature class. This data depicts the spatial extent

where the 2003 aerial detection survey took place.

This data set is a companion to the r203_dmg data, which depicts the occurrence and location of 2003 forest insect, disease, and other biotic and abiotic causes of tree mortality and tree damage. The r203_fln data set provides information on which areas were surveyed, when the areas were surveyed, who the surveyors were (and their respective agencies), and what type of survey took place. Air turbulence, cloud shadows, distance from aircraft, haze, smoke, etc., which affect survey accuracies, may also be noted.

A companion handbook entitled "Aerial Survey Geographic Information System Handbook" should be obtained before using this data set. The handbook is available online at: <http://www.fs.fed.us/foresthealth/publications/id/gishandbook.pdf>. This handbook also serves as a data dictionary necessary for deciphering field codes.

Purpose:

Aerial survey data sets are created annually to provide trend information on forest insects, diseases, and other biotic and abiotic causes of tree mortality and tree damage; referred to herein as "damage causal agents". Aerial surveys provide information on the current status for many causal agents, and are important when examining insect activity trends by comparing historical and current survey data over large areas.

Supplemental_Information:

It is important to view the r203_fln feature class in conjunction with the r203_dmg feature class in order to determine, for example, if the area in question is actually comprised of no tree mortality/ damage, or simply a case where the area was not aerially surveyed.

****NOTE**** The spatial extent of r203_fln feature class polygons often includes non-forested areas. This is due to the way the data is collected (i.e., the line feature from the aircraft's GPS flight track record is buffered by a predetermined distance regardless if the actual area on the ground is forested or not). It would be a mistake to count the acres within the r203_fln feature class as "acres flown" or "acres surveyed" without the incorporation of a vegetation layer.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2003 (summer field season)

Currentness_Reference: publication date

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As needed

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -110.374653

East_Bounding_Coordinate: -95.598117

North_Bounding_Coordinate: 46.310676

South_Bounding_Coordinate: 36.699442

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: aerial survey

Theme_Keyword: aerial detection survey

Theme_Keyword: area flown

Theme_Keyword: area not flown

Theme_Keyword: forest health

Theme_Keyword: forest health management

Theme_Keyword: forest health protection

Theme_Keyword: forest health monitoring

Theme_Keyword: USDA Forest Service

Theme_Keyword: spatial extent

Theme_Keyword: date surveyed

Theme_Keyword: surveyor

Theme_Keyword: surveying agency

Theme_Keyword: type of survey

Theme_Keyword: special survey

Theme_Keyword: overview survey

Place:

Place_Keyword: Rocky Mountain Region

Place_Keyword: Colorado

Place_Keyword: Wyoming

Place_Keyword: South Dakota

Place_Keyword: Nebraska

Place_Keyword: Kansas

Place_Keyword: Region 2

Temporal:

Temporal_Keyword: 2003

Access_Constraints:

The "flown/ not flown" data is available digitally from the USDA Forest Service, Rocky Mountain Region, Forest Health Management group. The cooperators reserve the right to correct, update, modify or replace GIS products. Using this data for purposes other than those for which it was intended may yield inaccurate or misleading results.

The accompanying r203_dmg GIS data set should be used in conjunction with this data set. The r203_dmg data set depicts the occurrence and location of 2003 forest insect, disease, and other biotic and abiotic causes of tree mortality and tree damage.

Use_Constraints:

The "flown/ not flown" data is available digitally from the USDA Forest Service, Rocky Mountain Region, Forest Health Management group. The cooperators reserve the right to correct, update, modify or replace GIS products. Using this data for purposes other than those for which it was intended may yield inaccurate or misleading results.

The accompanying r203_dmg GIS data set should be used in conjunction with this data set. The r203_dmg data set depicts the occurrence and location of 2003 forest insect, disease, and other biotic and abiotic causes of tree mortality and tree damage.

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization:

USDA Forest Service, Rocky Mountain Region, Forest Health Management

Contact_Person: Erik Johnson

Contact_Position: Aerial Survey Program Manager

Contact_Address:

Address_Type: physical address

Address: USDA Forest Service

Address: attn: Erik Johnson or Forest Health staff member

Address: 740 Simms Street

City: Golden

State_or_Province: Colorado

Postal_Code: 80401

Country: USA

Contact_Voice_Telephone: 303.236.8001

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Hours_of_Service: 09:00-16:00 MST

Contact_Instructions: email is preferred

Native_Data_Set_Environment:

Microsoft Windows 2000 Version 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog 9.0.0.535

Data_Quality_Information:

*Lineage:**Process_Step:**Process_Description:* Metadata imported.*Source_Used_Citation_Abbreviation:*

C:\gis_data\airial_survey\2003\r203_dmg.shp.xml

*Process_Step:**Process_Description:* Metadata imported.*Source_Used_Citation_Abbreviation:*

C:\a_data\airial_survey\2003\r203_flm.shp.xml

*Process_Step:**Process_Description:* Dataset copied.*Source_Used_Citation_Abbreviation:**Spatial_Data_Organization_Information:**Direct_Spatial_Reference_Method:* Vector*Point_and_Vector_Object_Information:**SDTS_Terms_Description:**SDTS_Point_and_Vector_Object_Type:* G-polygon*Point_and_Vector_Object_Count:* 262*Spatial_Reference_Information:**Horizontal_Coordinate_System_Definition:**Planar:**Grid_Coordinate_System:**Grid_Coordinate_System_Name:* Universal Transverse Mercator*Universal_Transverse_Mercator:**UTM_Zone_Number:* 13*Transverse_Mercator:**Scale_Factor_at_Central_Meridian:* 0.999600*Longitude_of_Central_Meridian:* -105.000000*Latitude_of_Projection_Origin:* 0.000000*False_Easting:* 500000.000000*False_Northing:* 0.000000*Planar_Coordinate_Information:**Planar_Coordinate_Encoding_Method:* coordinate pair*Coordinate_Representation:**Abscissa_Resolution:* 0.002048*Ordinate_Resolution:* 0.002048*Planar_Distance_Units:* meters

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983

Ellipsoid_Name: Geodetic Reference System 80

Semi-major_Axis: 6378137.000000

Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: r203_fln_shp

Entity_Type_Definition:

USDA Forest Service Region 2 2003 area flown/ not flown polygons

Entity_Type_Definition_Source:

Aerial Survey Geographic Information System Handbook (available online at: <http://www.fs.fed.us/foresthealth/publications/id/gishandbook.pdf>)

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: SURVEYOR1

Attribute_Definition: List of aerial surveyors

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: SURVEYOR2

Attribute_Definition:

List of aerial surveyors (used only for polygons with more than one attribute)

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: SURVEYOR3

Attribute_Definition:

List of aerial surveyors (used only for polygons with three attributes)

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: AGENCY1

Attribute_Definition: Acronym identifier for agency responsible for flight.

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: AGENCY2

Attribute_Definition:

Acronym identifier for agency responsible for flight (used only for polygons with more than one attribute).

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: AGENCY3

Attribute_Definition:

Acronym identifier for agency responsible for flight (used only for polygons with three attributes).

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: BEGIN1

Attribute_Definition: Beginning date for survey flown.

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: BEGIN2

Attribute_Definition:

Beginning date for survey flown (used only for polygons with more than one attribute).

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: FLIGHT_DAY

Attribute_Definition: Number of days from beginning of survey to end of survey.

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: FLIGHT_D_1

Attribute_Definition:

Number of days from beginning of survey to end of survey (used only for polygons with more than one attribute).

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: PURPOSE1

Attribute_Definition: Purpose of aerial survey.

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: BEGIN3

Attribute_Definition:

Beginning date for survey flown (used only for polygons with three attributes).

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: SURVEY_ID1

Attribute_Definition: Year surveyed (0=2000, 99=1999, etc.)

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: PURPOSE2

Attribute_Definition:

Purpose of aerial survey (used only for polygons with more than one attribute).

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: SURVEY_ID2

Attribute_Definition:

Year surveyed (0=2000, 99=1999, etc.). Used only for polygons with more than one attribute.

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: SURVEY_ID3

Attribute_Definition:

Year surveyed (0=2000, 99=1999, etc.). Used only for polygons with three attributes.

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: FLOWN1

Attribute_Definition: Code identifier for areas flown or not flown.

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: FLOWN2

Attribute_Definition:

Code identifier for areas flown or not flown (used only for polygons with more than one attribute).

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: FLOWN3

Attribute_Definition:

Code identifier for areas flown or not flown (used only for polygons with three attributes).

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and Appendix C.

Attribute:

Attribute_Label: PURPOSE3

Attribute_Definition:

Purpose of aerial survey (used only for polygons with three attributes).

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B and

Appendix C.

*Attribute:**Attribute_Label:* ACRES*Attribute:**Attribute_Label:* FLIGHT_NOT*Attribute_Definition:* Flight notes*Attribute:**Attribute_Label:* END_DATE1*Attribute_Definition:* Ending date for survey flown*Attribute_Definition_Source:*

Aerial Survey Geographic Information System Handbook Appendix B & C

*Attribute:**Attribute_Label:* END_DATE2*Attribute_Definition:*

Ending date for survey flown (used only for polygons with more than one attribute)

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B & C

*Attribute:**Attribute_Label:* END_DATE3*Attribute_Definition:*

Aerial Survey Geographic Information System Handbook Appendix B & C

Attribute_Definition_Source:

Aerial Survey Geographic Information System Handbook Appendix B & C

*Attribute:**Attribute_Label:* FLIGHT_DY_*Attribute_Definition:*

Number of days from beginning of survey to end of survey (only used for polygons with three attributes)

Attribute_Definition_Source:

Ending date for survey flown (used only for polygons with more than one attribute)

*Overview_Description:**Entity_and_Attribute_Overview:*

A companion handbook entitled "Aerial Survey Geographic Information System Handbook" should be obtained before using this data set. The handbook is available online at: <http://www.fs.fed.us/foresthealth/publications/id/gishandbook.pdf>. This handbook also serves as a data dictionary necessary for deciphering field codes.

Entity_and_Attribute_Detail_Citation:

Aerial Survey Geographic Information System Handbook

(<http://www.fs.fed.us/foresthealth/publications/id/gishandbook.pdf>)

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization:

USDA Forest Service, Rocky Mountain Region, Forest Health
Management

Contact_Person: Erik Johnson

Contact_Position: Aerial Survey Program Manager

Contact_Address:

Address_Type: mailing and physical address

Address: USDA Forest Service, Rocky Mountain Region

Address: Erik Johnson (or Forest Health staff member)

Address: 740 Simms Street

City: Golden

State_or_Province: Colorado

Postal_Code: 80401

Country: USA

Contact_Voice_Telephone: 303.236.8001

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Contact_Electronic_Mail_Address: fjcross@fs.fed.us

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Hours_of_Service: 0900-1600 MST

Contact_Instructions: email preferred

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 2.192

Metadata_Reference_Information:

Metadata_Date: 20060628

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization:

USDA Forest Service, Rocky Mountain Region, Forest Health
Management

Contact_Person: Erik Johnson

Contact_Position: Aerial Survey Program Manager

Contact_Address:

Address_Type: mailing and physical address

Address: USDA Forest Service, Rocky Mountain Region

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Contact_Electronic_Mail_Address: fjcross@fs.fed.us

Contact_Electronic_Mail_Address: jharris@fs.fed.us

Hours_of_Service: 0900-1600 MST

Contact_Instructions: email preferred

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>

Profile_Name: ESRI Metadata Profile