

V. METADATA

ORTHOPHOTOGRAPHY

Digital Geospatial Metadata: North Central Texas Six-inch Orthophotography

Identification Information

Citation

Originator:	North Central Texas Council of Governments
Publication Date:	Fiscal Year 2002-2003
Title:	2003 Digital Orthophotography
Geospatial Data Presentation Form:	Map
Publication Information:	
Publication Place:	Arlington, Texas
Publisher:	North Central Texas Council of Governments
Online Linkage:	http://gis.nctcog.org

Description

Abstract:	The North Central Texas Council of Governments (NCTCOG) produced six-inch digital color orthophotography (ortho) for participating NCTCOG members.
Purpose:	Maps and Analysis
Time Period of Content:	
Single Date/Time:	
Calendar Date:	20030801
Currentness Reference:	Ground Condition
Status:	
Progress:	Complete
Maintenance and Update Frequency:	Every 2, 4, or 6 years, depending upon the member's request.
Spatial Domain:	
Bounding Coordinates:	
West Bounding Coordinate:	<Depends Upon The Extent of Your Boundaries>
East Bounding Coordinate:	<Depends Upon The Extent of Your Boundaries>
North Bounding Coordinate:	<Depends Upon The Extent of Your Boundaries>
South Bounding Coordinate:	<Depends Upon The Extent of Your Boundaries>
Keywords:	
Theme:	
Theme Keyword:	Orthophotography
Theme Keyword:	Digital Orthophotography
Theme Keyword:	Image
Theme Keyword:	Six-inch Resolution
Place:	
Place Keyword:	North Central Texas Council of Governments

Access Constraints:	Public domain and private entities purchase products from NCTCOG.
Use Constraints:	Copyright of NCTCOG.
Point of Contact:	
Contact Person Primary:	
Contact Person:	John Hunt
Contact Organization:	North Central Texas Council of Governments
Contact Position:	Manager of Geographic Information Systems
Contact Address:	
Address Type:	Mailing Address
Address:	616 Six Flags Drive, Suite 200
City:	Arlington
State or Province:	Texas
Postal Code:	76011
Country:	USA
Contact Voice Telephone:	(817) 695-9163
Contact Facsimile Telephone:	(817) 640-4228
Contact Electronic Mail Address:	jhunt@nctcog.org
Native Data Set Environment:	Tiff; MrSID

Data Quality Information

Attribute Accuracy:	
Attribute Accuracy Report:	Specifications are summarized as follows: sensor type - aerial film camera with 6" focal length (<i>12" focal length in downtown areas</i>); negative size - 9" x 9"; altitude of capture – 4,500' above mean terrain for 6" focal length areas and 9,000' above mean terrain for 12" focal length; capture period – January-March 2003; control sources - ground survey, airborne global positioning system (GPS), existing digital elevation models (DEM) and orthos; scanning resolution – 15 microns; ground resolution – 0.5 U.S. Survey Foot; color type – 24-bit natural color.
Logical Consistency Report:	
Completeness Report:	Color aerial photography was acquired using a RC30 or equivalent aerial mapping camera that was calibrated by the U.S. Geological Survey. Products were mosaiced and color balanced to create a near seamless appearance. Samples of these products are available from NCTCOG for evaluation of image quality and positional accuracy.

Positional Accuracy:

Horizontal Positional Accuracy:

Horizontal Positional
Accuracy Report:

The digital ortho was produced using accepted photogrammetric industry practices under the supervision of certified photogrammetrists and licensed surveyors. Digital ortho products are guaranteed to meet National Map Accuracy Standards (NMAS) at a map scale of 1" = 200' (1:2,400). Photo scale is 1" = 1,500' (1:18,000).

Quantitative Horizontal Positional
Accuracy Assessment:

Horizontal Positional
Accuracy Value:
Horizontal Positional
Accuracy Explanation:

The digital ortho was produced using accepted photogrammetric industry practices under the supervision of certified photogrammetrists and licensed surveyors. Digital ortho products are guaranteed to meet National Map Accuracy Standards (NMAS) at a map scale of 1" = 200' (1:2,400). Photo scale is 1" = 1,500' (1:18,000).

Lineage:

Source Information:

Source Citation:

Citation Information:

Originator:

North Central Texas Council of Governments

Publication Date:

Fiscal Year 2002-2003

Title:

Six-inch Resolution Color Digital Ortho

Publication Information:

Publication Place:

Arlington, Texas

Publisher:

North Central Texas Council of Governments

Source Scale Denominator:

Type of Source Media:

Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date:

20030215

Source Currentness

Reference:

Ground Condition

Source Citation Abbreviation:

Photo1

Source Contribution:

Process Step:

Process Description:

Contact NCTCOG

Source Used Citation Abbreviation:

Photo 1

Process Date:

20030215

Spatial Data Organization Information

Direct Spatial Reference Method: Raster
Raster Object Information:
Raster Object Type: Pixel

Spatial Reference Information

Horizontal Coordinate System Definition:

Planar:
Grid Coordinate System:
Grid Coordinate System Name: State Plane
State Plane Coordinate System:
Spcs Zone Identifier: Texas, North Central (Zone 5351)
Lambert Conformal Conic:
Standard Parallel: 32.133333
Standard Parallel: 33.966667
Longitude of Central Meridian: -98.5
Latitude of Projection Origin: 31.666667
False Easting: 1968499.9998
False Northing: 6561666.666

Planar Coordinate Information:

Planar Coordinate Encoding Method: Coordinate Pair
Coordinate Representation:
Abcissa Resolution:
Ordinate Resolution:
Planar Distance Units: Feet

Geodetic Model:

Horizontal Datum Name: North American 1983
Ellipsoid Name: Geodetic Reference System 80
Semi-Major Axis: 6378137
Denominator of Flattening Ratio: 298.257

Entity and Attribute Information

Entity and Attribute Information:

Overview Description:

Entity and Attribute Overview: Each pixel contains red, blue and green values, each from 0 to 255.

Entity and Attribute Detail Citation: U.S. Department of the Interior, U.S. Geological Survey, 1996, Standards for Digital Orthophotos: Reston, VA.

Distribution Information

Distributor:

Contact Person Primary: Manager of GIS, Research and Information Services

Contact Organization Primary: North Central Texas Council of Governments

Contact Address:

Address Type: Mailing Address

Contact Address: 616 Six Flags Drive, Suite 200

City: Arlington

State or Province: Texas

Postal Code: 76011

Country: USA

Contact Voice Telephone: (817) 695-9163

Contact Facsimile Telephone: (817) 640-4228

Contact Electronic Mail Address: jhunt@nctcog.org

Resource Description: Orthophotography

Distribution Liability: NCTCOG and its participants assume no legal responsibility for the accuracy of said data.

Standard Order Process:

Digital Form:

Digital Transfer Information:

Format Name: Tiff

Format Version Number: 6.0

Format Specification: Tag Image File Format

Format Information Content: Uncompressed TIFF. The files are compatible with tag standards available at the time of production.

Standard Order Process:

Digital Form:

Digital Transfer Information:

Format Name: MrSID

Format Version Number: 2

Format Specification:

Format Information Content: 1:18 compression

Digital Transfer Option:

Offline Option:

Offline Media: Compact Disk or DVD

Recording Format: ISO-9660

Compatibility Information: This CD-ROM or DVD can be used with all computers that support CD-ROM or DVD as a logical storage device. All text files are in ASCII format. Data files are in ASCII or binary format.

Fees:

Variable. Call for current pricing.

Ordering Instructions:

<http://gis.dfwinfo.com/ortho2003/pricing.html>

Metadata Reference Information

Metadata Date: 20030801
Metadata Review Date: 20030801
Metadata Future Review Date: Unknown

Metadata Contact:
Contact Person Primary: Manager of GIS, Research and Information Services
Contact Organization Primary: North Central Texas Council of Governments
Contact Address:
Address Type: Mailing Address
Contact Address: 616 Six Flags Drive, Suite 200
City: Arlington
State or Province: Texas
Postal Code: 76011
Country: USA
Contact Voice Telephone: (817) 695-9163
Contact Facsimile Telephone: (817) 640-4228
Contact Electronic Mail Address: jhunt@nctcog.org

Metadata Standard Name: FGDC CSDGM
Metadata Standard Version: FGDC-Std-001-1998
Metadata Time Convention: Local Time
Metadata Access Constraints: None
Metadata Use Constraints: None
Metadata Security Information:
Metadata Security Classification System: None
Metadata Security Classification: Unclassified

Digital Geospatial Metadata: North Central Texas One-Foot Orthophotography

Identification Information

Citation

Originator: North Central Texas Council of Governments
Publication Date: Fiscal Year 2002-2003
Title: 2003 Digital Orthophotography
Geospatial Data Presentation Form: Map
Publication Information:
Publication Place: Arlington, Texas
Publisher: North Central Texas Council of Governments
Online Linkage: <http://gis.nctcog.org>

Description

Abstract: The North Central Texas Council of Governments (NCTCOG) produced One-foot digital color orthos for participating NCTCOG members.

Purpose:	Maps and Analysis
Time Period of Content:	
Single Date/Time:	
Calendar Date:	20030801
Currentness Reference:	Ground Condition
Status:	
Progress:	Complete
Maintenance and Update Frequency:	Every 2, 4, or 6 years, depending upon the member's request.
Spatial Domain:	
Bounding Coordinates:	
West Bounding Coordinate:	<Depends Upon The Extent of Your Boundaries>
East Bounding Coordinate:	<Depends Upon The Extent of Your Boundaries>
North Bounding Coordinate:	<Depends Upon The Extent of Your Boundaries>
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Keywords:	
Theme:	
Theme Keyword:	Orthophotography
Theme Keyword:	Digital Orthophotography
Theme Keyword:	Image
Theme Keyword:	One-Foot Resolution
Place:	
Place Keyword:	North Central Texas Council of Governments
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Use Constraints:	Copyright of NCTCOG.
Point of Contact:	
Contact Person Primary:	
Contact Person:	John Hunt
Contact Organization:	North Central Texas Council of Governments
Contact Position:	Manager of Geographic Information Systems
Contact Address:	
Address Type:	Mailing Address
Address:	616 Six Flags Drive, Suite 200
City:	Arlington
State or Province:	Texas
Postal Code:	76011
Country:	USA
Contact Voice Telephone:	(817) 695-9163
Contact Facsimile Telephone:	(817) 640-4228
Contact Electronic Mail Address:	jhunt@nctcog.org
Native Data Set Environment:	Tiff; MrSID

Data Quality Information

Attribute Accuracy:

Attribute Accuracy Report:

Specifications are summarized as follows: sensor type - aerial film camera with 6" focal length; negative size - 9" x 9"; altitude of capture - 9,000' above mean terrain; expected capture period - February-March 2003; control sources - ground survey, airborne GPS, existing DEMs and orthos; scanning resolution - 15 microns; ground resolution - 1.0 U.S. Survey Foot; color type - 24-bit natural color.

Logical Consistency Report:

Completeness Report:

Color aerial photography was acquired using a RC30 or equivalent aerial mapping camera that was calibrated by the U.S. Geological Survey. Products were mosaiced and color balanced to create a near seamless appearance. Samples of these products are available from NCTCOG for evaluation of image quality and positional accuracy.

Positional Accuracy:

Horizontal Positional Accuracy:

Horizontal Positional Accuracy Report:

The digital ortho was produced using accepted photogrammetric industry practices under the supervision of certified photogrammetrists and licensed surveyors. Digital ortho products are guaranteed to meet National Map Accuracy Standards (NMAS) at a map scale of 1" = 200' (1:2,400). Photo scale is 1" = 1,500' (1:18,000).

Quantitative Horizontal Positional Accuracy Assessment:

Horizontal Positional Accuracy Value: Horizontal Positional Accuracy Explanation:

The digital ortho was produced using accepted photogrammetric industry practices under the supervision of certified photogrammetrists and licensed surveyors. Digital ortho products are guaranteed to meet NMAS at a map scale of 1" = 200' (1:2,400). Photo scale is 1" = 1,500' (1:18,000).

Lineage:

Source Information:

Source Citation:

Citation Information:

Originator:

Publication Date:

Title:

Publication Information:

Publication Place:

North Central Texas Council of Governments
Fiscal Year 2002-2003
1-Foot Resolution Color Digital Ortho

Arlington, Texas

Publisher:	North Central Texas Council of Governments
Source Scale Denominator:	
Type of Source Media:	
Source Time Period of Content:	
Time Period Information:	
Single Date/Time:	
Calendar Date:	20030215
Source Currentness	
Reference:	Ground Condition
Source Citation Abbreviation:	Photo1
Source Contribution:	
Process Step:	
Process Description:	Contact NCTCOG
Source Used Citation Abbreviation:	Photo 1
Process Date:	20030215

Spatial Data Organization Information

Direct Spatial Reference Method:	Raster
Raster Object Information:	
Raster Object Type:	Pixel

Spatial Reference Information

Horizontal Coordinate System Definition:	
Planar:	
Grid Coordinate System:	
Grid Coordinate System Name:	State Plane
State Plane Coordinate System:	
Spcs Zone Identifier:	Texas, North Central (Zone 5351)
Lambert Conformal Conic:	
Standard Parallel:	32.133333
Standard Parallel:	33.966667
Longitude of Central Meridian:	-98.5
Latitude of Projection Origin:	31.666667
False Easting:	1968499.9998
False Northing:	6561666.666
Planar Coordinate Information:	
Planar Coordinate Encoding Method:	Coordinate Pair
Coordinate Representation:	
Abscissa Resolution:	
Ordinate Resolution:	
Planar Distance Units:	Feet
Geodetic Model:	
Horizontal Datum Name:	North American 1983
Ellipsoid Name:	Geodetic Reference System 80
Semi-Major Axis:	6378137
Denominator of Flattening Ratio:	298.257

Entity and Attribute Information

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Overview Description:

Entity and Attribute Overview:

Each pixel contains red, blue and green values, each from 0 to 255.

Entity and Attribute Detail Citation:

U.S. Department of the Interior, U.S. Geological Survey, 1996, Standards for Digital Orthophotos: Reston, VA.

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Contact Person Primary:

Manager of GIS, Research and Information Services

Contact Organization Primary:

North Central Texas Council of Governments

Contact Address:

Address Type:

Mailing Address

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City:

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State or Province:

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Postal Code:

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Country:

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Contact Electronic Mail Address:

jhunt@nctcog.org

Resource Description:

Orthophotography

Distribution Liability:

NCTCOG and its participants assume no legal responsibility for the accuracy of said data.

Standard Order Process:

Digital Form:

Digital Transfer Information:

Format Name:

Tiff

Format Version Number:

6.0

Format Specification:

Tag Image File Format

Format Information Content:

Uncompressed TIFF. The files are compatible with tag standards available at the time of production.

Standard Order Process:

Digital Form:

Digital Transfer Information:

Format Name:

MrSID

Format Version Number:

2

Format Specification:

Format Information Content:

1:18 compression

Digital Transfer Option:

Offline Option:

Offline Media:

Compact Disk or DVD

Recording Format:

ISO-9660

Compatibility Information:

This CD-ROM or DVD can be used with all computers that support CD-ROM or DVD as a logical storage device. All text files are in ASCII format. Data files are in ASCII or binary format.

Fees:

Variable. Call for current pricing.

Ordering Instructions:

<http://gis.dfwinfo.com/ortho2003/pricing.html>

Metadata Reference Information

Metadata Date: 20030801

Metadata Review Date: 20030801

Metadata Future Review Date: Unknown

Metadata Contact:

Contact Person Primary: Manager of GIS, Research and Information Services

Contact Organization Primary: North Central Texas Council of Governments

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Contact Electronic Mail Address: jhunt@nctcog.org

Metadata Standard Name: FGDC CSDGM

Metadata Standard Version: FGDC-Std-001-1998

Metadata Time Convention: Local Time

Metadata Access Constraints: None

Metadata Use Constraints: None

Metadata Security Information:

Metadata Security Classification System: None

Metadata Security Classification: Unclassified