

HalifaxNCDOTFlyoverImage.sid

Data format: Raster Dataset - MrSID

File or table name: HalifaxNCDOTFlyoverImage.sid

Coordinate system: Lambert Conformal Conic

Theme keywords: Roads.

Abstract: FEMA-DR-1969 - Halifax County tornado imagery flown by NCDOT Photogrammetry Unit

FGDC and ESRI Metadata:

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Metadata elements shown with blue text are defined in the Federal Geographic Data Committee's (FGDC) [Content Standard for Digital Geospatial Metadata \(CSDGM\)](#). Elements shown with green text are defined in the [ESRI Profile of the CSDGM](#). Elements shown with a green asterisk (*) will be automatically updated by ArcCatalog. ArcCatalog adds hints indicating which FGDC elements are mandatory; these are shown with gray text.

Identification Information:

Citation:

Citation information:

Originators: NC DOT Photogrammetry Unit

*Title:

HalifaxNCDOTFlyoverImage.sid

***File or table name:** HalifaxNCDOTFlyoverImage.sid

Publication date: 20110428

Publication time: Unknown

***Geospatial data presentation form:** raster digital data

Description:

Abstract:

FEMA-DR-1969 - Halifax County tornado imagery flown by NCDOT Photogrammetry Unit

Purpose:

To collect information for NCDOT debris and system management following the severe storms and tornados on April 16, 2011.

Supplemental information:

This is a Preliminary Georeferenced Image (PGI). Mosaic was Ortho-rectified using direct GPS/IMU georeferencing without surveyed ground control. 100' gridded LiDAR data was used as the elevation data source. Mosaic has not been edited, some image distortion and mismatches may be found, particularly along roads and bridges. There is also haze in the mosaic due to the flying height and prevailing weather conditions during imagery acquisition.

***Language of dataset:** en

Time period of content:**Time period information:****Single date/time:**

Calendar date: 20110425

Time of day: unknown

Currentness reference:

ground condition

Status:

Progress: Complete

Maintenance and update frequency: None planned

Spatial domain:**Bounding coordinates:**

***West bounding coordinate:** -77.742750

***East bounding coordinate:** -77.605416

***North bounding coordinate:** 36.491004

***South bounding coordinate:** 36.407149

Local bounding coordinates:

***Left bounding coordinate:** 2370000.000000

***Right bounding coordinate:** 2410000.000000

***Top bounding coordinate:** 1000000.000000

***Bottom bounding coordinate:** 970000.000000

Keywords:**Theme:**

Theme keywords: Roads.

Theme keyword thesaurus: ISO 19155

Place:

Place keywords: North Carolina, Halifax County

Place keyword thesaurus: none

Access constraints: none

Use constraints:

none

Point of contact:**Contact information:****Contact person primary:**

Contact person: Keith Johnston, PE, PLS

Contact organization: NCDOT Photogrammetry Unit

Contact position: State Photogrammetric Engineer

Contact address:

Address type: mailing address

Address:

1585 Mail Service Center

City: Raleigh

State or province: NC

Postal code: 27699-1585

Country: USA

Contact voice telephone: 919-707-7093

Contact facsimile telephone: 919-707-7090

Contact electronic mail address: kjohnston@ncdot.gov

Data set credit:

NC DOT Photogrammetry Unit

***Native dataset format:** Raster Dataset

***Native data set environment:**

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; ESRI ArcCatalog
9.3.1.4000

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Data Quality Information:

Lineage:

Process step:

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Spatial Data Organization Information:

***Direct spatial reference method:** Raster

Raster object information:

***Image format:** MrSID

***Number of bands:** 3

***Row count:** 30000

***Column count:** 40000

***Vertical count:** 1

***Cell size X direction:** 1.000000

***Cell size Y direction:** 1.000000

***Bits per pixel:** 8

***Pyramid layers:** TRUE

***Image colormap:** FALSE

***Compression type:** Wavelet (MG3)

- ***Raster object type:** Pixel
- ***Raster display type:** pixel codes
- ***Raster origin:** Upper Left

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Spatial Reference Information:

Horizontal coordinate system definition:

Coordinate system name:

- ***Projected coordinate system name:** NAD83 / North Carolina [ftUS]
- ***Geographic coordinate system name:** GCS_North_American_1983

Planar:

Map projection:

- ***Map projection name:** Lambert Conformal Conic

Lambert conformal conic:

- ***Standard parallel:** 36.166667
- ***Standard parallel:** 34.333333
- ***Longitude of central meridian:** -79.000000
- ***Latitude of projection origin:** 33.750000
- ***False easting:** 2000000.000000
- ***False northing:** 0.000000

Planar coordinate information:

- ***Planar coordinate encoding method:** row and column

Coordinate representation:

- ***Abscissa resolution:** 1.000000
- ***Ordinate resolution:** 1.000000
- ***Planar distance units:** survey feet

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

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Distribution Information:

Distributor:

Contact information:

Contact organization primary:

Contact organization: NC DOT Photogrammetry Unit

Contact address:

Address type: mailing address

Address:

1585 Mail Service Center

City: Raleigh

State or province: NC

Postal code: 27603

Country: USA

Contact voice telephone: 919-707-7093

Resource description: Available upon request from NC DOT Photogrammetry Unit

Distribution liability:

The North Carolina Department of Transportation shall not be held liable for any errors in this data. This includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. This data cannot be construed to be a legal document. Primary sources from which this data was compiled must be consulted for verification of information contained in this data.

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Metadata Reference Information:

***Metadata date:** 20110429

***Language of metadata:** en

Metadata contact:

Contact information:

Contact organization primary:

Contact person: Keith Johnston, PE, PLS

Contact organization: NCDOT Photogrammetry Unit

Contact position: State Photogrammetric Engineer

Contact address:

Address type: mailing address

Address:

1585 Mail Service Center

City: Raleigh

State or province: NC

Postal code: 27699-1585

Contact voice telephone: 919-707-7093

***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

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