

Denver, Colorado Building Outlines (2014)

Metadata

Identification Information

Citation

Citation Information

Originator

Denver Regional Council of Governments (DRCOG)

Publication Date

20160211

Title

Building Outlines 2014

Geospatial Data Presentation Form

vector digital data

Other Citation Details

These data were collected from aerial imagery flown spring 2014. Stereo compilation for planimetric building outline data occurred between 7/8/2015 through 11/3/2015.

Description

Abstract

This metadata describes the stereocompiled building roofprints feature of DRCOG Denver Region Urbanized Project Area. The feature was compiled from the Denver Regional Aerial Photography Project (DRAPP) 2014 Aerial Imagery Acquisition and Production. This 1"=100' scale imagery is comprised of 4-band RGBIR color orthoimagery with a GSD (Ground Sample Distance) of 0.5'. Imagery was collected with the Leica ADS40 and ADS80 digital sensors and processed with Leica XPro software. Imagery is projected in State Plane Coordinate System, Colorado central zone using the Lambert Conformal Conic map projection parameters. Horizontal and vertical datums are NAD83(11) and NAVD88(GEOID12A) respectively.

Purpose

To digitally capture outlines of visible structures captured at the corners of the roof (eave).

Supplemental Information

Capture criteria: Only permanent structures are captured. Collect buildings with area \geq 48 sq. ft. and over 5 ft. in height. Arms and indentations should be 2.5 ft or greater are captured. Canopies, carport covers, and sheds are included. For multi-level commercial/industrial buildings, capture each level as a unique record IF the building is \geq 1000 sq. ft. and the multi-level roof levels are \geq 400 sq. ft. in area and over 5.0 ft in height. Each polygon is a separate record. Polygons that are part of the same building have a matching building ID. For pitched roofs, collect the highest point to get the building height. The lowest point will be a common lowest point if multi-level.

Status

Maintenance and Update Frequency

None planned

Spatial Domain

Bounding Coordinates

West Bounding Coordinate

-105.58167029

East Bounding Coordinate

-104.3734253

North Bounding Coordinate

40.21017192

South Bounding Coordinate

39.44898487

Keywords

Theme

Theme Keyword Thesaurus

None

Theme Keyword

property

Theme Keyword

planimetric

Theme

Theme Keyword Thesaurus

ISO 19115 Topic Categories

Theme Keyword

location

Theme Keyword

structure

Place

Place Keyword Thesaurus

None

Place Keyword

Denver

Place Keyword

Adams-County

Place Keyword

Arapahoe-County

Place Keyword

Denver-County

Place Keyword

Jefferson-County

Place Keyword

Colorado

Place Keyword

USA

Access Constraints

None

Use Constraints

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Data Set Credit

This project was funded, in part, by the FHWA and/or FTA, DRCOG, RTD, Denver Water, Arvada, Aurora, Bennett, Centennial, Commerce City, Denver, Englewood, Frederick, Glendale, Golden, Greenwood Village, Lafayette, Lone Tree, Lakewood, Louisville, Thornton, Wheat Ridge, and

Northglenn

Security Information

Security Classification System

AVAILABLE

Security Classification

Unclassified

Security Handling Description

Available to the public and accessible through Denver's Open Data Catalog,
<http://data.denvergov.org/>

Native Data Set Environment

Microsoft Windows Server 2008 R2 Version 6.1 (Build 7601) Service Pack 1; ESRI ArcGIS 10.0.5.4400

Spatial Data Organization Information

Direct Spatial Reference Method

Vector

Point and Vector Object Information

SDTS Terms Description

SDTS Point and Vector Object Type

GT-polygon composed of chains

Point and Vector Object Count

338649

Spatial Reference Information

Horizontal Coordinate System Definition

Geographic

Latitude Resolution

8.9831528411952133e-009

Longitude Resolution

8.9831528411952133e-009

Geographic Coordinate Units

Decimal Degrees

Geodetic Model

Horizontal Datum Name

D WGS 1984

Ellipsoid Name

WGS 1984

Semi-major Axis

6378137.0

Denominator of Flattening Ratio

298.257223563

Entity and Attribute Information

Detailed Description

Entity Type

Entity Type Label

building_outlines_2014

Entity Type Definition

Outlines of permanent visible structures captured at the corners of the roof (eave)

Entity Type Definition Source

DRGOG

Attribute

Attribute Label

OBJECTID

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

CreateDate

Attribute Definition

Date attribute is created.

Attribute Definition Source

DRCOG

Attribute Domain Values

Enumerated Domain

Enumerated Domain Value

mm/dd/yyyy

Enumerated Domain Value Definition

Month, day and year the feature entity is created

Enumerated Domain Value Definition Source

DRCOG

Attribute

Attribute Label

Source

Attribute Definition

Description of how the building type was determined

Attribute Definition Source

DRCOG

Attribute Domain Values

Enumerated Domain

Enumerated Domain Value

Visual, IG Data, Zoning Data, Other (describe)

Enumerated Domain Value Definition

Source of building identification

Enumerated Domain Value Definition Source

DRCOG

Attribute

Attribute Label

Comments

Attribute Definition

Text that explains anything a user needs to know to interpret how or why the feature was delineated, if not obvious according to the capture criteria.

Attribute Definition Source

DRGOG

Attribute Domain Values

Unrepresentable Domain

Residential includes apartment complexes. Schools and churches are public. Buildings under construction, foundations, and ruins will not have heights. MISC should only be used when there are no other options (includes Agricultural buildings)

Attribute

Attribute Label

Ground_Elevation

Attribute Definition

Elevation of terrain at the building footprint

Attribute Definition Source

DRCOG

Attribute Domain Values

Enumerated Domain

Enumerated Domain Value

feet

Enumerated Domain Value Definition

Elevation of terrain at the building footprint

Enumerated Domain Value Definition Source

DRCOG

Attribute

Attribute Label

Bldg_Type

Attribute Definition

The type of building, determined by 1) visual inspection, 2) IG data, 3) zoning data 4) other

Attribute Definition Source

DRCOG

Attribute Domain Values

Enumerated Domain

Enumerated Domain Value

Residential, Commercial, Industrial, Medical, Public, Garage/shed, Parking Structure, Tank, Foundation/Ruin, Misc.

Enumerated Domain Value Definition

Building types

Enumerated Domain Value Definition Source

DRCOG

Attribute

Attribute Label

CreateUser

Attribute Definition

Vendor name

Attribute Definition Source

DRCOG

Attribute Domain Values

Enumerated Domain

Enumerated Domain Value

Kucera International, Inc.

Enumerated Domain Value Definition

Name of vendor creating the entity feature

Enumerated Domain Value Definition Source

DRCOG

Attribute

Attribute Label

Bldg_Height

Attribute Definition

Height of building footprint above terrain

Attribute Definition Source

DRCOG

Attribute Domain Values

Enumerated Domain

Enumerated Domain Value

feet

Enumerated Domain Value Definition

Height of building footprint above terrain

Enumerated Domain Value Definition Source

DRCOG

Attribute

Attribute Label

Building_ID

Attribute Definition

Unique ID, can be randomly generated

Attribute Definition Source

DRCOG

Attribute Domain Values

Enumerated Domain

Enumerated Domain Value

Unique ID assigned to individual roofprints

Enumerated Domain Value Definition

Unique ID assigned to individual roofprints

Enumerated Domain Value Definition Source

DRCOG

Attribute

Attribute Label

SHAPE_Length

Attribute Definition

Length of feature in internal units.

Attribute Definition Source

ESRI

Attribute Domain Values

Unrepresentable Domain

Positive real numbers that are automatically generated.

Attribute

Attribute Label

SHAPE_Area

Attribute Definition

Area of feature in internal units squared.

Attribute Definition Source

ESRI

Attribute Domain Values

Unrepresentable Domain

Positive real numbers that are automatically generated.

Distribution Information

Distributor

Contact Information

Contact Organization Primary

Contact Organization

City and County of Denver, Technology Services / Enterprise Data Management

Contact Address

Address Type

unknown

Address

201 W Colfax Ave, Dept 301

City

Denver

State or Province

CO

Postal Code

80202

Country

USA

Hours of Service

M-F 8:00am - 4:00pm (MT)

Distribution Liability

See access and use constraints information.

Metadata Reference Information

Metadata Date

20160229

Metadata Standard Name

FGDC Content Standard for Digital Geospatial Metadata

Metadata Standard Version

FGDC-STD-001-1998

Metadata Time Convention

local time