



Denver, Colorado Benchmarks

Metadata

Identification Information

Citation

Citation Information

Originator

City and County of Denver - Public Works City Surveyor's Office

Publication Date

20120808

Title

Benchmarks

Geospatial Data Presentation Form

vector digital data

Description

Abstract

This dataset contains vertical benchmark data for the City and County of Denver. Monumentation for this dataset includes U.S. Coast and Geodetic Survey (USCGS), National Geodetic Survey (NGS), and City and County of Denver (CCD) benchmarks. Elevations for bench marks are typically determined by standard differential leveling activity. NGS High-Accuracy Reference Network (HARN) points are portrayed in the ENG_SRVNGSHARN_P dataset.

Purpose

The purpose of this dataset is to allow users to integrate City and County of Denver (CCD) vertical network data into engineering plans, proposed projects, etc.

Status

Maintenance and Update Frequency

As needed

Spatial Domain

Bounding Coordinates

West Bounding Coordinate

-105.109367

East Bounding Coordinate

-104.667902

North Bounding Coordinate

39.800205

South Bounding Coordinate

39.608125

Keywords

Theme

Theme Keyword Thesaurus

None

Theme Keyword

survey

Theme

Theme Keyword Thesaurus

ISO 19115 Topic Categories

Theme Keyword

elevation

Theme Keyword

location

Theme Keyword

planningCadastre

Place

Place Keyword Thesaurus

None

Place Keyword

Denver

Place Keyword

Denver County

Place Keyword

Colorado

Place Keyword

USA

Access Constraints

None

Use Constraints

ACCESS CONSTRAINTS: None. USE CONSTRAINTS: The City and County of Denver is not responsible and shall not be liable to the user for damages of any kind arising out of the use of data or information provided by the City and County of Denver, including the installation of the data or information, its use, or the results obtained from its use. ANY DATA OR INFORMATION PROVIDED BY THE City and County of Denver IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Data or information provided by the City and County of Denver shall be used and relied upon only at the user's sole risk, and the user agrees to indemnify and hold harmless the City and County of Denver, its officials, officers and employees from any liability arising out of the use of the data/information provided. NOT FOR ENGINEERING PURPOSES

Data Set Credit

Public Works - City Surveyor's Office

Security Information

Security Classification System

AVAILABLE

Security Classification

Unclassified

Security Handling Description

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

Native Data Set Environment

Version 6.2 (Build 9200) ; Esri ArcGIS 10.4.1.5686

Spatial Data Organization Information

Direct Spatial Reference Method

Vector

Point and Vector Object Information

SDTS Terms Description

SDTS Point and Vector Object Type

Entity point

Point and Vector Object Count

772

Spatial Reference Information

Horizontal Coordinate System Definition

Geographic

Latitude Resolution

8.983152841195215e-009

Longitude Resolution

8.983152841195215e-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

benchmarks

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

CCDPTID

Attribute Definition

An internal index number for all City/County survey control points.

Attribute Definition Source

City and County of Denver Surveyor's Office.

Attribute

Attribute Label

COMMONNAME

Attribute Definition

The name by which the Bench Mark is commonly referred. For CCD benchmarks, this is typically a 1-3 digit number. If followed by an alpha character, this indicates that the original benchmark was lost. Each succeeding monument is assigned the next alpha character.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

CCDCORNERTYPE

Attribute Definition

An internal classifier used to separate different classes of survey markers in the GIS Parcel Fabric. For this layer, CCDCORNERTYPE will be "Bench Mark".

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

MONUMENTTYPE

Attribute Definition

The basic physical appearance of the monument as it appears in the field.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

MONUMENTSOURCE

Attribute Definition

The organization responsible for having set the monument in the field.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

MONUMENTSIZE

Attribute Definition

The physical size of the monument, especially if it is a standard round survey disc or a rebar.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

SURVEYORLICENSENUMBER

Attribute Definition

If available, the Colorado Professional Land Surveyor license number of the surveyor responsible placing the monument in the field.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

MONUMENTPROTECTION

Attribute Definition

Any material or device used to protect a monument from damage or disturbance, such as a concrete pad or cast iron range box.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

SURVEYDATEGPS

Attribute Definition

If available, the date that the monument was measured using Global Positioning System technology.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

SURVEYDATENAV88

Attribute Definition

If available, the date that elevation was established for the monument by differential leveling.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

NAVD88SOURCE

Attribute Definition

If available, the organization responsible for establishing the elevation of the monument by differential leveling.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

GPSSOURCE

Attribute Definition

If available, the organization responsible for establishing the GPS location of the monument.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

STATEPLANECOORDINATEX

Attribute Definition

Colorado State Plane Central Zone NAD83/92 easting in feet.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

STATEPLANECOORDINATEY

Attribute Definition

Colorado State Plane Central Zone NAD83/92 northing in feet.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

CCD_LOCALX

Attribute Definition

CCD Local coordinate system easting in feet.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

CCD_LOCALY

Attribute Definition

CCD Local coordinate system northing in feet.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

NAV88ELEVATION

Attribute Definition

Elevation of the benchmark in United States Survey Feet, North American Vertical Datum of 1988.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

CORNERPOINTTYPE

Attribute Definition

This field is used primarily to distinguish between the several types of PLSS corner types. Otherwise, it is a general classification based on pre-Parcel Fabric datasets.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

ALTERNATENAME

Attribute Definition

Other names by which the bench mark may be called other than the Common Name.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

GPSID

Attribute Definition

CCD GPS Point Identifier. Additional information about GPS locations can be found at O:\PWENG\SURVEY\GPS\DATA\CCDGPSAL.XLS. If the value is zero, this point has not been officially GPS'd by CCD personnel.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

COORDINATEMETHOD

Attribute Definition

The method by which the monument's GIS XY coordinate location was derived.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

EASTWESTSTREET

Attribute Definition

Closest East /West avenue.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

NORTHSOUTHSTREET

Attribute Definition

Closest North/South street.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

STREETADDRESS

Attribute Definition

If available, the nearest street address.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

DESCRIPTION

Attribute Definition

Description of the monument, including: Responsible Party, Monument Type and Size, and Proximity to Nearby Witness Features. A carryover field from pre-Parcel Fabric datasets.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

COMMENTS

Attribute Definition

A primary column for comments regarding the data record.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

NOTES

Attribute Definition

A secondary column for comments regarding the data record.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Attribute

Attribute Label

ELLIPSOIDHEIGHT

Attribute Definition

Ellipsoid height derived from GPS observation of the monument.

Attribute Definition Source

City and County of Denver City Surveyor's Office

Distribution Information

Distributor

Contact Information

Contact Organization Primary

Contact Organization

City and County of Denver, Technology Services / DenverGIS Data

Contact Address

Address Type

unknown

Address

201 W Colfax Ave, Dept 301

City

Denver

State or Province

CO

Postal Code

80202

Country

USA

Contact Facsimile Telephone

720-913-5237

Contact Electronic Mail Address

denvergis@denvergov.org

Hours of Service

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

Distribution Liability

See access and use constraints information.

Metadata Reference Information

Metadata Date

20190512

Metadata Standard Name

FGDC Content Standard for Digital Geospatial Metadata

Metadata Standard Version

FGDC-STD-001-1998

Metadata Time Convention

local time