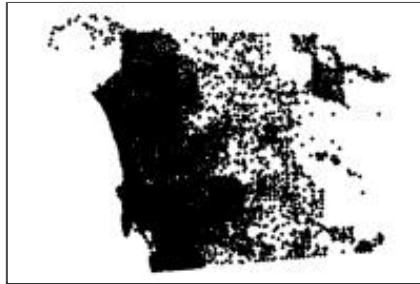


Control_Monuments



Tags

Survey, surveys, surveyor, control monuments, State Plane Coordinate System, County Ordinance, surveys, State Plane California Zone 6, FIPS 0406, NAD83, NAD27, control point

Summary:

This GIS layer serves to document the location, type and source of survey control monuments, within the State Plane Coordinate system (specifically State Plane California Zone 6, FIPS 0406 and NAD83 and NAD 27 datums). By County Ordinance, most surveys must be tied-to a First-Order, or better, Control Monument or a CORS station.

Feature Type: Multipoint

Number of Records: 22285

Publication Date: 2006-05-26

Date of Data (Temporal Period Extent): 2006-05-26

Extent: San Diego County

Extent in Longitude Latitude

North 33.504860
West -117.597651 **East** -116.066751
South 32.531020

Extent in the item's coordinate system

North 2127324.630001
West 6150834.420014 **East** 6617527.320023
South 1775615.679992

Description:

This layer maps recorded survey control monuments in the State Plane Coordinate system, within San Diego County. Associated tabular data describes types, sources and other ancillary information associated with each monument listed. Although this

dataset contains elevation values, this layer is solely for purposes of documenting horizontal control only. This layer does not include the Continuously Operating Reference Station (CORS) sites.

Credits:

County of San Diego, Department of Public Works.

Use Limitation:

Although this dataset contains elevation values, this layer is solely for purposes of documenting and referencing horizontal control only.

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Please refer to SanGIS data end user use agreement and disclaimer which is available on the SanGIS website (www.sangis.org).

Topics and Keywords

Topic Categories: Location Planning Cadastral

Themes:

Horizontal Control, Control Monuments

Places:

County of San Diego, California

Resource Details:

Status: Completed
Type: Vector
Update Frequency: Not Planned
Next Update: Not specified

Spatial Reference System:

Type: Projected
Reference: GCS_North_American_1983
Projection: NAD_1983_StatePlane_California_VI_FIPS_0406_Feet
Identifier: 2230
Codespace: EPSG
Version: 5.3(9.0.0)

Contacts:

Point of Contact

SanGIS, County Surveyor
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Distribution Ordering Instructions:

Data can be downloaded in shapefile format from the SanGIS Data Warehouse at <https://rdw.sandag.org/Account/Login>

Refer to SanGIS website (www.sangis.org) to obtain further information on mapping and data extraction services available from SanGIS.

Fields:

Overview:

Recorded survey control monuments in the State Plane Coordinate system, within San Diego County.

STATIONID is the Station ID

POSTID is the Update operator's ID

POSTDATE is the update date

NAD83N is the NAD83 northing

NAD83E is the NAD83 easting

NAD27N is the NAD27 northing

NAD27E is the NAD27 easting

ORDERNO is the Horizontal Order code

CLASS is the Subset of horizontal order (1=Class 1, 2=Class 2)

STATUS is the Control Status code

ELEVORD is the Elevation Order Code

ELEVATN is the Elevation

MONTYPE is the Monument Type code

MONSIZE is the Monument size

FNDDATE is the Date monument last found

JURISDIC is the Jurisdiction code

TOWNSHIP is the Township description. One component of locational description using the Public Lands Survey System

RANGE is the Range description. One component of locational description using the Public Lands Survey System

SECTION_ is the Section description. One component of locational description using the Public Lands Survey System

RANCHO is the Rancho code

QUAD is the USGS quad sheet number (1-86)

ACCESSBY is a code describing a method of access to the Control Monument

METHOD is the Survey Method code

BASEMAP an indicator of control monument use in the basemap registration (Y or N)

ESTDATE is the date monument established

EAGENCY is the agency that established elevation. Refer to Establishing Agency code

SKETCH is indicator if sketch of point available (Y or N)

ESTFIELD is field book that contains survey field no

ESTPAGE is the established field book page number

FNDFIELD is the found field book

FNDPAGE is the found field book page

LFAGENCY is the agency that last found monument. Refer to Establishing Agency code

COAGENCY is the agency that established coordinates for monument. Refer to Establishing Agency code

ELAGENCY is agency that established elevation. Refer to Establishing Agency code

DESIGNTN is the Survey Designator code

EPOCH is Coordinate epoch (Date/time reference point)

VERDATUM is the vertical datum for elevations 29 is NGVD 29 (feet), 88 is NAVD 88 (meters)

ELEVMETHOD is the Elevation Method Code.

VISIBILITY is an indicator if a Visibility diagram for GPS is available (Y or N)

USEBENCH is an indicator if the monument is useable as a benchmark

PID is the Permanent identifier for the National Spatial record(National DB)

FID (OID)

Internal feature number.

STATIONID (Integer)

STATIONID is the Station ID
Further description unavailable.

POSTID (String)

POSTID is the update operator's ID
Further description unavailable.

POSTDATE (String)

POSTDATE is the update date

STATION (String)

Station is the Station name

NAD83N (Double)

NAD83N is the NAD83 northing

NAD83E (Double)

NAD83E is the NAD83 easting

NAD27N (Double)

NAD27N is the NAD27 northing

NAD27E (Double)

NAD27E is the NAD27 easting

ORDERNO (String)

ORDERNO is the Horizontal Order code

- 1, Primary control network
- 2, Local Area control network
- 3, General control network
- 4, Side hot or open traverse
- 5, Calculated position
- 6, Digitized location
- A, GPS network (1: 10,000,000)
- B, GPS network (1: 1,000,000)

CLASS (String)

CLASS is the Subset of horizontal order

- 1, Class 1
- 2, Class 2
- I, Class 1

STATUS (String)

STATUS is the Control Status code

CODED VALUES:

- *, Undetermined value
- A, Undetermined Value
- D, Destroyed
- E, Existing
- L, Lost

ELEVORD (String)

ELEVORD is the Elevation Order Code

- 1, Primary vertical control network
- 2, Secondary vertical control network
- 3, Local vertical control network
- 4, Trigonometric level network
- 5, Estimated elevation

ELEVATN (Double)

ELEVATN is the Elevation

MONTYPE (String)

MONTYPE is the Monument Type code

AX, Axle
 BS, Boat spike
 BT, Bolt
 CB, Chiseled cross on boulder
 CD, Chiseled cross on concrete str
 CN, Concrete nail
 CO, Copper nail
 CP, Chiseled cross on pavement
 CS, Chiseled cross on sidewalk
 DB, Disk in boulder
 DC, Disk in curb
 DD, Disk in concrete structure
 DH, Drill hole
 DS, Disk in side walk
 FP, steel fence post
 HN, Hub and tack
 MD, Concrete monument with disk
 MH, Manhole cover
 MP, Concrete monument with pin
 NB, Lead and tack in boulder
 NC, Lead and tack in curb
 ND, Lead and tack in concrete str
 NL, Nail
 NP, Lead and tack in pavement
 NS, Lead and tack in sidewalk
 OP, Open pipe (no cap or tag)
 OT, Other
 PC, Capped pipe
 PD, Pipe and disk
 PK, PK nail
 PN, Steel pin
 PP, Pipe and plastic cap or plug
 PT, Pipe and tag
 QB, Chiseled square on boulder
 QD, Chiseled square on con struct
 QP, Chiseled square on pavement
 QS, Chiseled square on sidewalk
 RB, Rebar
 RC, Rebar with plastic cap
 RD, Rebar with metal disk
 RR, Railroad spike
 SB, Super bench mark
 SK, Spike
 SM, Stone mound

SP, Site point
 SS, Set stone
 ST, Street survey monument
 TB, Lead and tag in boulder
 TC, Lead and tag in curb
 TD, Lead and tag in con structure
 TE, Tee bar
 TP, Lead and tag in pavement
 TS, Lead and tag in sidewalk
 UK, Unknown
 WP, Wood post

MONSIZE (String)

MONSIZE is the Monument size

FNDDATE (String)

FNDDATE is the Date monument last found

JURISDIC (String)

JURISDIC is the Jurisdiction code

CB, Carlsbad
 CN, County unincorporated
 CO, Coronado
 CV, Chula Vista
 DM, Del Mar
 EC, El Cajon
 EN, Encinitas
 ES, Escondido
 IB, Imperial Beach
 LG, Lemon Grove
 LM, La Mesa
 NC, National City
 OC, Oceanside
 PW, Poway
 SD, San Diego
 SM, San Marcos
 SO, Solana Beach
 ST, Santee
 VS, Vista

TOWNSHIP (String)

TOWNSHIP is the Township description. One component of locational description using the Public Lands Survey System

RANGE (String)

RANGE is the Range description. One component of locational description using the Public Lands Survey System

SECTION_ (Integer)

SECTION_ is the Section description. One component of locational description using the Public Lands Survey System

RANCHO (String)

RANCHO is the Rancho code

AGUA HED, Agua Hedionda
 BUENA VI, Buena Vista
 COCHES, Los Cochés

CUCA, Cuca
 CUYAMACA, Cuyamaca
 EL CAJON, El Cajon
 ENCINITO, Los Encinitos
 GUAJOME, Guajome
 GUEJITO, Guejito
 JAMACHA, Jamacha
 JAMUL, Jamul
 JANAL, Janal
 NACION, La Nacion
 LIT TEMC, Little Temecula
 LOS PENA, Los Penasquitos
 MISSN SD, Mission San Diego
 MONSERATE, Monserate
 OTAY RHO, Otay Rancho
 OTHER, Other
 PAUBA, Pauba
 PAUMA, Pauma
 PENINSULA, Peninsula De San Diego
 RINCON, Rincon Del Diablo
 SAN BERND, San Bernardo
 SAN DGTO, San Dieguito
 SAN FELI, Valle De San Felipe
 SAN JOSE, San Jose Del Valle
 SAN MARG, Santa Margarita y Las Flores
 SAN MARI, Santa Maria
 SAN ROSA, Santa Rosa
 SAN VICE, San Vincente
 TEMECULA, Temecula
 UNKNOW, Unknown
 VAL JOSE, Valle De San Jose
 VALLE SM, Los Vallecitos de San Marcos
 YSABEL, Santa Ysabel
 CA HPGN-1, Undetermined Value

QUAD (Integer)

QUAD is the USGS quad sheet number (1-86)

ACCESSBY (String)

ACCESSBY is a code describing a method of access to the Control Monument

2WD, 2-wheel drive vehicl
 4WD, 4-wheel drive vehicle
 BOT, boat
 HEL, helicopter
 MIK, hike (more than 10 min.)
 WLK, walk (less than 10 min.)

METHOD (String)

METHOD is the Survey Method code

SURVEY METHOD
 CALC, Calculated position
 DIG, Digitized location
 EST, Estimated coordinate position
 GPS, Global Positioning System
 GPST, Undetermined Value
 IGS, Inertial Guidance system

SS, Side shot or open traverse
 TRAV, Traverse station
 TRIA, Triangulation station
 TRIL, Trilateration station

BASEMAP (String)

BASEMAP an indicator of control monument use in the basemap registration

Y, point is used for basemap registration
 N, point is not used for basemap registration

ESTDATE (String)

ESTDATE is the date monument established

EAGENCY (String)

EAGENCY is the agency that established elevation.

AE, Army Corp of Engineers
 BC, International Boundary Commission
 B, BLM
 BP, Cal Div of Beaches & Parks
 CA, Caltrans
 CB, Carlsbad
 CG, California Geodetic Survey
 CN, County of San Diego
 CO, Coronado
 CV, Chula Vista
 DM, Del Mar
 EC, El Cajon
 EN, Encinitas
 ES, Escondido
 FA, Fairchild Aerial Surveys
 FS, Forest Service
 GL, US Government Land Office
 IB, Imperial Beach
 LG, Lemon Grove
 LM, La Mesa
 NA, US Navy
 NC, National City
 NG, National Geodetic Survey
 NO, No Record
 OC, Oceanside
 OT, Other
 PD, Port District
 PS, Private Surveyor or Engineer
 PW, Poway
 SD, City of San Diego
 SL, Division of State Lands
 SM, San Marcos
 SO, Solana Beach
 ST, Santee
 TD, North County Transit District (NCTD)
 US, USC & GS
 VS, Vista

SKETCH (String)

SKETCH is an indicator if sketch of point available

Y, Yes

N, No

ESTFIELD (String)

ESTFIELD is field book that contains survey field number
Further description unavailable.

ESTPAGE (String)

ESTPAGE is the established field book page number

FNDFIELD (String)

FNDFIELD is the found field book
Further description unavailable.

FNDPAGE (String)

FNDPAGE is the found field book page

LFAGENCY (String)

LFAGENCY is the agency that last found monument.

Refer to Establishing Agency code.

COAGENCY (String)

COAGENCY is the agency that established coordinates for monument.

AE, Army Corp of Engineers
BC, International Boundary Commission
B, BLM
BP, Cal Div of Beaches & Parks
CA, Caltrans
CB, Carlsbad
CG, California Geodetic Survey
CN, County of San Diego
CO, Coronado
CV, Chula Vista
DM, Del Mar
EC, El Cajon
EN, Encinitas
ES, Escondido
FA, Fairchild Aerial Surveys
FS, Forest Service
GL, US Government Land Office
IB, Imperial Beach
LG, Lemon Grove
LM, La Mesa
NA, US Navy
NC, National City
NG, National Geodetic Survey
NO, No Record
OC, Oceanside
OT, Other
PD, Port District
PS, Private Surveyor or Engineer
PW, Poway
SD, City of San Diego
SL, Division of State Lands
SM, San Marcos
SO, Solana Beach
ST, Santee

TD, North County Transit District (NCTD)
 US, USC & GS
 VS, Vista

ELAGENCY (String)

ELAGENCY is agency that established elevation. Refer to Establishing Agency code

AE, Army Corp of Engineers
 BC, International Boundary Commission
 B, BLM
 BP, Cal Div of Beaches & Parks
 CA, Caltrans
 CB, Carlsbad
 CG, California Geodetic Survey
 CN, County of San Diego
 CO, Coronado
 CV, Chula Vista
 DM, Del Mar
 EC, El Cajon
 EN, Encinitas
 ES, Escondido
 FA, Fairchild Aerial Surveys
 FS, Forest Service
 GL, US Government Land Office
 IB, Imperial Beach
 LG, Lemon Grove
 LM, La Mesa
 NA, US Navy
 NC, National City
 NG, National Geodetic Survey
 NO, No Record
 OC, Oceanside
 OT, Other
 PD, Port District
 PS, Private Surveyor or Engineer
 PW, Poway
 SD, City of San Diego
 SL, Division of State Lands
 SM, San Marcos
 SO, Solana Beach
 ST, Santee
 TD, North County Transit District (NCTD)
 US, USC & GS
 VS, Vista

DESIGNTN (String)

DESIGNTN is the Survey Designator code

B, Benchmark
 C, Control Monument
 P, Property Monument

EPOCH (String)

EPOCH is the coordinate epoch (Date/time reference point)

VERDATUM (Integer)

VERDATUM is the vertical datum for elevations

29, NGVD 29 (feet)
88, NAVD 88 (meters)

ELEV METH (String)

ELEV METH is the Elevation Method Code.

DIFF, Differential Levels
GPS, Global Positioning System
PHO, Photogrammetry
TRIG, Trigonometric

VISIBILITY (String)

VISIBILITY is an indicator if a Visibility diagram for GPS is available

Y, Yes
N, No

USEBENCH (String)

USEBENCH is an indicator if the monument is useable as a benchmark

Y, Yes
N, No

PID (String)

PID is the Permanent identifier for the National Spatial record(National DB)

Shape (Geometry)

Feature geometry.

Metadata Last Update: 2023-03-10
Regional GIS Data Warehouse (RGDW) Publication Stylesheet 1.4