

# The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.00
1      National Geodetic Survey,  Retrieval Date = MARCH 17, 2013
KK1473 *****
KK1473 DESIGNATION - P 409
KK1473 PID - KK1473
KK1473 STATE/COUNTY- CO/JEFFERSON
KK1473 COUNTRY - US
KK1473 USGS QUAD - LITTLETON (1994)
KK1473
KK1473 *CURRENT SURVEY CONTROL
KK1473
-----
KK1473* NAD 83(2011) POSITION- 39 37 12.38420(N) 105 05 29.68187(W) ADJUSTED
KK1473* NAD 83(2011) ELLIP HT- 1684.930 (meters) (06/27/12) ADJUSTED
KK1473* NAD 83(2011) EPOCH - 2010.00
KK1473* NAVD 88 ORTHO HEIGHT - 1701.204 (meters) 5581.37 (feet) ADJUSTED
KK1473
-----
KK1473 NAD 83(2011) X - -1,281,247.165 (meters) COMP
KK1473 NAD 83(2011) Y - -4,751,289.718 (meters) COMP
KK1473 NAD 83(2011) Z - 4,046,658.699 (meters) COMP
KK1473 LAPLACE CORR - -15.48 (seconds) DEFLEC12A
KK1473 GEOID HEIGHT - -16.36 (meters) GEOID12A
KK1473 DYNAMIC HEIGHT - 1699.518 (meters) 5575.84 (feet) COMP
KK1473 MODELED GRAVITY - 979,576.1 (mgal) NAVD 88
KK1473
KK1473 VERT ORDER - FIRST CLASS II
KK1473
KK1473 FGDC Geospatial Positioning Accuracy Standards (95% confidence, cm)
KK1473 Type Horiz Ellip Dist(km)
KK1473 -----
KK1473 NETWORK 1.03 2.96
KK1473 -----
KK1473 MEDIAN LOCAL ACCURACY AND DIST (004 points) 0.97 2.23 6.08
KK1473 -----
KK1473 NOTE: Click here for information on individual local accuracy
KK1473 values and other accuracy information.
KK1473
KK1473
KK1473.The horizontal coordinates were established by GPS observations
KK1473.and adjusted by the National Geodetic Survey in June 2012.
KK1473
KK1473.NAD 83(2011) refers to NAD 83 coordinates where the reference
KK1473.frame has been affixed to the stable North American tectonic plate. See
KK1473.NA2011 for more information. for more information.
KK1473
KK1473.The horizontal coordinates are valid at the epoch date displayed above
KK1473.which is a decimal equivalence of Year/Month/Day.
KK1473
KK1473.The orthometric height was determined by differential leveling and
KK1473.adjusted by the NATIONAL GEODETIC SURVEY
KK1473.in June 1991.
KK1473
KK1473.The X, Y, and Z were computed from the position and the ellipsoidal ht.

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KK1473

KK1473.The Laplace correction was computed from DEFLEC12A derived deflections.

KK1473

KK1473.The ellipsoidal height was determined by GPS observations

KK1473.and is referenced to NAD 83.

KK1473

KK1473.The dynamic height is computed by dividing the NAVD 88

KK1473.geopotential number by the normal gravity value computed on the

KK1473.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

KK1473.degrees latitude (g = 980.6199 gals.).

KK1473

KK1473.The modeled gravity was interpolated from observed gravity values.

KK1473

KK1473. The following values were computed from the NAD 83(2011) position.

KK1473

KK1473;	North	East	Units	Scale Factor	Converg.
KK1473;SPC CO C	- 503,229.132	949,470.107	MT	0.99997689	+0 15 27.3
KK1473;SPC CO C	- 1,651,010.91	3,115,053.18	sFT	0.99997689	+0 15 27.3
KK1473;UTM 13	- 4,385,598.171	492,139.757	MT	0.99960076	-0 03 30.2
KK1473!	- Elev Factor	x Scale Factor	=	Combined Factor	
KK1473!SPC CO C	- 0.99973573	x 0.99997689	=	0.99971263	
KK1473!UTM 13	- 0.99973573	x 0.99960076	=	0.99933659	

KK1473

KK1473

SUPERSEDED SURVEY CONTROL

KK1473

KK1473	NAD 83(2007)-	39 37 12.38456(N)	105 05 29.68258(W)	AD( )	0
KK1473	ELLIP H (02/10/07)	1684.949 (m)		GP( )	
KK1473	ELLIP H (12/03/02)	1684.969 (m)		GP( )	4 2
KK1473	NAD 83(1992)-	39 37 12.38437(N)	105 05 29.68238(W)	AD( )	1
KK1473	ELLIP H (01/12/98)	1685.008 (m)		GP( )	4 1
KK1473	NAVD 88 (01/12/98)	1701.20 (m)	5581.4 (f)	LEVELING	3
KK1473	NGVD 29 (??/??/??)	1700.267 (m)	5578.29 (f)	ADJUSTED	1 2

KK1473

KK1473.Superseded values are not recommended for survey control.

KK1473

KK1473.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

KK1473.[See file dsdata.txt](#) to determine how the superseded data were derived.

KK1473

KK1473\_U.S. NATIONAL GRID SPATIAL ADDRESS: 13SDD9213985598(NAD 83)

KK1473

KK1473\_MARKER: I = METAL ROD

KK1473\_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)

KK1473\_SP\_SET: STAINLESS STEEL ROD

KK1473\_STAMPING: P 409 1984

KK1473\_MARK LOGO: NGS

KK1473\_PROJECTION: FLUSH

KK1473\_MAGNETIC: I = MARKER IS A STEEL ROD

KK1473\_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

KK1473\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

KK1473+SATELLITE: SATELLITE OBSERVATIONS - September 21, 2010

KK1473\_ROD/PIPE-DEPTH: 8.6 meters

KK1473

KK1473	HISTORY	- Date	Condition	Report By
KK1473	HISTORY	- 1984	MONUMENTED	NGS
KK1473	HISTORY	- 19960417	GOOD	MSAM
KK1473	HISTORY	- 20000504	GOOD	CO1435
KK1473	HISTORY	- 20060903	GOOD	METRSC
KK1473	HISTORY	- 20100921	GOOD	INDIV

KK1473

KK1473 STATION DESCRIPTION  
KK1473  
KK1473'DESCRIBED BY NATIONAL GEODETIC SURVEY 1984  
KK1473'IN LAKEWOOD.  
KK1473'IN LAKEWOOD, AT THE JUNCTION OF WADSWORTH BOULEVARD AND BELLVIEW  
KK1473'AVENUE, 0.1 KM (0.05 MI) NORTH OF MILEPOST 5, 458.8 METERS (1505.2 FT)  
KK1473'SOUTH OF THE CENTERLINE OF THE AVENUE, 63.1 METERS (207.0 FT)  
KK1473'SOUTHWEST OF A GUARD RAIL, 21.2 METERS (69.6 FT) WEST OF THE  
KK1473'CENTERLINE OF THE SOUTH BOUND LANES OF THE BOULEVARD, AND 15.3 METERS  
KK1473'(50.2 FT) NORTHWEST OF THE CENTER OF THE WEST END OF A 3.0 FOOT METAL  
KK1473'CULVERT. NOTE--ACCESS TO THE DATUM POINT IS THROUGH A 5-INCH LOGO  
KK1473'CAP.  
KK1473'THE MARK IS 0.3 METERS E FROM A WITNESS POST AND FENCE  
KK1473'THE MARK IS 0.3 M BELOW THE BOULEVARD.

KK1473  
KK1473 STATION RECOVERY (1996)  
KK1473  
KK1473'RECOVERY NOTE BY MOUNTAIN SURVEYING AND MAPPING INC 1996 (RSC)  
KK1473'THE STATION IS LOCATED IN THE CITY OF LAKEWOOD AT THE INTERSECTION OF  
KK1473'WADSWORTH BLVD. AND WEST CRESTLINE AVENUE, BETWEEN WEST CRESTLINE  
KK1473'AVENUE AND BELLEVIEW AVENUE, IN THE NORTHEAST 1/4 OF SECTION 15, T 5  
KK1473'S, R 69 W, AT STATE HIGHWAY 121 MILEPOST 5.05. OWNERSHIP--COLORADO  
KK1473'STATE RIGHT-OF-WAY TO REACH THE STATION FROM THE INTERSECTION OF  
KK1473'WADSWORTH BLVD. AND WEST CRESTLINE AVENUE IN THE CITY OF LAKEWOOD, GO  
KK1473'NORTH ON WADSWORTH BLVD. FOR 0.1 MI (0.2 KM) TO THE STATION ON THE  
KK1473'LEFT, WEST SIDE OF THE HIGHWAY BETWEEN THE REI STORE AND THE TOYS R US  
KK1473'STORE THE MARK IS A PUNCH HOLE, TOP CENTER ON A STAINLESS STEEL ROD  
KK1473'DRIVEN TO REFUSAL, ENCLOSED IN A 5-INCH PVC PIPE WITH LOGO LID,  
KK1473'SURROUNDED BY A CONCRETE COLLAR 30 CM BELOW GROUND. A RANGE BOX IS  
KK1473'SET OVER THE TOP OF THE MARK AT GRASS LEVEL. IT IS 449.6 M (1475.1  
KK1473'FT) SOUTH FROM BELLEVIEW AVENUE, 188.8 M (619.4 FT) NORTH FROM WEST  
KK1473'CRESTLINE AVENUE, 99.1 M (325.1 FT) NORTH FROM MILEPOST 5, 61.8 M  
KK1473'(202.8 FT) NORTH FROM THE NORTHEAST CORNER OF THE TOYS R US STORE, 9.0  
KK1473'M (29.5 FT) WEST-NORTHWEST FROM A STREET LIGHT, 7.4 M (24.3 FT)  
KK1473'SOUTHEAST FROM A STREET LIGHT, 6.5 M (21.3 FT) SOUTH-SOUTHEAST FROM  
KK1473'THE TOP CENTER OF A TELEPHONE JUNCTION BOX, 0.7 M (2.3 FT) WEST FROM  
KK1473'THE WESTERN EDGE OF A CONCRETE SIDEWALK AND 0.2 M (0.7 FT) EAST OF A  
KK1473'WITNESS POST.

KK1473  
KK1473 STATION RECOVERY (2000)  
KK1473  
KK1473'RECOVERY NOTE BY CITY OF LAKEWOOD COLORADO 2000 (KM)  
KK1473'NEW DESCRIPTION--IN LAKEWOOD CO, 0.25 MILE SOUTH OF THE INTERSECTION  
KK1473'OF WADSWORTH BLVD. AND BELLEVIEW AV., ON THE WEST SIDE OF THE BLVD.,  
KK1473'21.7 FEET EAST OF THE EAST EDGE OF A PARKING LOT BETWEEN 'TOYS R US'  
KK1473'AND 'REI', 20.2 FEET SOUTHEAST OF UNDERGROUND CABLE BOX NO.5385, AND  
KK1473'2.7 FEET WEST OF THE WEST EDGE OF AN 8-FOOT WIDE SIDEWALK.

KK1473  
KK1473 STATION RECOVERY (2006)  
KK1473  
KK1473'RECOVERY NOTE BY METROPOLITAN STATE COLLEGE OF DENVER 2006 (PAH)  
KK1473'RECOVERED IN GOOD CONDITION.

KK1473  
KK1473 STATION RECOVERY (2010)  
KK1473  
KK1473'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2010 (BB)  
KK1473'RECOVERED AS DESCRIBED - TRUE NORTH SURVEYING MAPPING

\*\*\* retrieval complete.  
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