

Point ID	PID	Latitude (Global)	Longitude (Global)	Ellipsoid Height (Global)	Network Adjustment Semi-major Axis	Network Adjustment Height Error	Northing	Easting	Elevation	Description	Combined Scale Factor	Meridian Convergence Angle
9-70-56.06		39°52'25.46274"	-120°44'51.76382"	4232.844	0.034	0.027	1839802.429	6913156.778	4309.890	FOUND 2-1/4" BRASS CAP IN CONCRETE STAMPED "CADH 56.06.1971"	0.999831815	0°49'08"
9-70-56.86		39°52'30.69733"	-120°43'57.73425"	4220.512	0.033	0.029	1840392.635	6917361.306	4297.400	FOUND 2-1/4" BRASS CAP IN CONCRETE STAMPED "CADT 9-70-56.86 GPS"	0.999831984	0°49'43"
9-70-58.21		39°52'15.07626"	-120°42'32.39564"	4152.856	0.049	0.050	1838909.209	6924037.498	4229.566	SET 2-1/4" BRASS CAP IN CONCRETE ON 2" IRON PIPE STAMPED "CADT 9-70-58.21 GPS"	0.999836475	0°50'39"
9-70-58.49		39°52'08.64409"	-120°42'16.38485"	4161.847	0.050	0.051	1838276.821	6925295.381	4238.532	SET 2-1/4" BRASS CAP IN CONCRETE ON 2" IRON PIPE STAMPED "CADT 9-70-58.49 GPS"	0.999836565	0°50'49"
9-70-59.46		39°51'37.15431"	-120°41'25.00253"	4221.478	0.048	0.044	1835150.222	6929349.064	4298.100	SET 2-1/4" BRASS CAP IN CONCRETE STAMPED "CADT 9-70-59.46 GPS"	0.999836271	0°51'23"
9-70-61.06		39°50'23.56309"	-120°40'41.58053"	4306.330	0.037	0.037	1827755.062	6932847.249	4382.978	SET 2-1/4" BRASS CAP IN CONCRETE STAMPED "CADT 9-70-61.06 GPS"	0.999838279	0°51'51"
9-70-62.03		39°49'41.66043"	-120°40'04.78984"	4304.678	0.034	0.036	1823558.783	6935781.342	4381.305	SET 2-1/4" BRASS CAP IN CONCRETE ON 2" IRON PIPE STAMPED "CADT 9-70-62.03 GPS"	0.999841866	0°52'16"
9-70-65.02		39°47'48.46704"	-120°38'27.96269"	4291.235	0.041	0.044	1812221.819	6943512.674	4367.859	SET 2-1/4" BRASS CAP IN CONCRETE ON 2" IRON PIPE STAMPED "CADT 9-70-65.02 GPS"	0.999852189	0°53'19"
9-70-65.85		39°47'13.96302"	-120°37'57.60970"	4314.431	0.035	0.032	1808767.539	6945936.154	4391.080	SET 2-1/4" BRASS CAP IN CONCRETE ON 2" IRON PIPE STAMPED "CADT 9-70-65.85 GPS"	0.999854090	0°53'39"
9-70-66.72		39°47'01.24481"	-120°37'08.29917"	4355.372	0.039	0.035	1807541.075	6949805.578	4432.015	SET 2-1/4" BRASS CAP IN CONCRETE ON 2" IRON PIPE STAMPED "CADT 9-70-66.72 GPS"	0.999853249	0°54'11"
9-70-67.85		39°46'25.41576"	-120°36'06.57531"	4560.480	0.039	0.034	1803992.304	6954681.782	4637.169	SET 2-1/4" BRASS CAP IN CONCRETE ON 2" IRON PIPE STAMPED "CADT 9-70-67.85 GPS"	0.999846610	0°54'51"
9-70-68.90		39°46'17.84166"	-120°35'03.71659"	4748.910	0.038	0.037	1803304.762	6959601.814	4825.625	SET 2-1/4" BRASS CAP IN ROCK STAMPED "CADT 9-70-68.90 GPS"	0.999838275	0°55'32"
9-70-71.15		39°47'07.82465"	-120°32'53.02398"	4798.042	0.039	0.033	1808528.983	6969722.009	4874.705	FOUND 2-1/4" BRASS CAP IN CONCRETE STAMPED "CADT 9-70-71.15 GPS"	0.999831512	0°56'58"
9-70-72.62		39°47'49.42767"	-120°31'29.76110"	4766.836	0.039	0.039	1812846.883	6976150.633	4843.448	FOUND 2-1/4" BRASS CAP IN CONCRETE STAMPED "CADT 9-70-72.62 GPS"	0.999829372	0°57'52"
9-70-74.07		39°48'23.24195"	-120°30'03.51952"	4764.166	0.044	0.037	1816382.381	6982822.923	4840.719	FOUND 2-1/4" BRASS CAP IN CONCRETE STAMPED "CADT 9-70-74.07 GPS"	0.999826578	0°58'49"
9-89-8.44		39°46'51.05287"	-120°37'18.67688"	4291.024	0.034	0.033	1806497.093	6949011.682	4367.688	FOUND 2-1/4" BRASS CAP ON 2" GALVANIZED IRON FENCE POST ANGLE POINT STAMPED "9-89-8.44 GPS"	0.999857222	0°54'04"
BONITA RIDGE		39°49'43.84140"	-120°36'45.83570"	6476.877	0.024	0.028	1824020.305	6951298.663	6553.011	SET 3/4" REBAR WITH ALUMINUM CAP STAMPED "CALTRANS BONITA RIDGE GPS"	0.999737862	0°54'26"
CALFPASTURE	DH6419	39°43'58.88107"	-120°33'26.82081"	4393.075			1789368.154	6967398.581	4469.902	FOUND 2-1/4" CADT BRASS DISK IN CONCRETE HEADWALL STAMPED "CALFPASTURE 2004"	0.999867862	0°56'36"
DELL	KS1495	39°48'03.88195"	-120°31'02.12746"	4819.375	0.037	0.038	1814345.747	6978282.586	4895.962	FOUND USC & GS BDC STAMPED "DELL 1949"	0.999825609	0°58'10"
EUREKA SKI PARK		39°45'54.53510"	-120°41'50.35334"	5396.719	0.021	0.028	1800454.046	6927887.736	5473.275	SET 3/4" REBAR WITH ALUMINUM CAP FLUSH IN ASPHALT STAMPED "CALTRANS EUREKA SKI PARK GPS"	0.999809390	0°51'06"
HPGN CA 02 27	KS2012	39°51'14.41844"	-120°41'06.41447"	4289.138			1832871.500	6930833.002	4365.772	FOUND ALUMINUM DISK IN WELL STAMPED "HPGN-CALIF 0227 1991"	0.999834897	0°51'35"
HPGN D CA 03 MN	AE9837	39°46'37.67623"	-120°33'57.67080"	4812.969			1805395.472	6964725.592	4889.662	FOUND ALUMINUM DISK SET IN BOULDER STAMPED "CA-HPGN-DENSIFICATION STA. 03-MN 1994"	0.999833455	0°56'16"
LEE	DH6426	39°52'43.22396"	-120°45'40.37164"	4365.834			1841545.668	6909341.856	4442.953	FOUND ALUMINUM DISK IN WELL STAMPED "LEE 2004"	0.999824033	0°48'36"
MOHAWK	DH6428	39°48'27.32560"	-120°39'10.62618"	4406.261			1816102.141	6940122.408	4482.894	FOUND ALUMINUM DISK IN WELL STAMPED "MOHAWK 2004"	0.999843334	0°52'51"
NW 16 S32		39°49'04.37135"	-120°39'37.46191"	4353.342	0.033	0.035	1819818.352	6937970.944	4429.966	FOUND 2" IRON PIPE IN MOUND OF STONE WITH USDA ALUMINUM DISK STAMPED "NW 1/16 S 32 LS 7352 2005"	0.999842697	0°52'33"
P346	DN7395	39°47'40.94156"	-120°52'02.81644"	6685.892			1810556.123	6879923.330	6762.985	BUZZARDSTCN2007 CORS ARP	0.999738390	0°44'26"
PORTOLA	DH6429	39°48'25.72319"	-120°29'03.83972"	4751.795			1816713.547	6987475.695	4828.343	FOUND ALUMINUM DISK IN WELL STAMPED "PORTOLA 2004"	0.999826956	0°59'28"
TWO RIVERS		39°49'28.20354"	-120°39'57.68599"	4210.108	0.043	0.042	1822205.636	6936356.261	4286.740	SET 2-1/4" BRASS CAP IN ROCK STAMPED "CADT TWO RIVERS GPS"	0.999847522	0°52'20"

SURVEY NOTES:

- CADT IS AN ACRONYM FOR THE CALIFORNIA DEPARTMENT OF TRANSPORTATION A.K.A CALTRANS.
- ALL COORDINATES, DISTANCES AND ELEVATIONS SHOWN ARE IN TERMS OF THE U.S. SURVEY FOOT UNLESS NOTED OTHERWISE.
- ORTHOMETRIC HEIGHTS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 DERIVED USING GEOID MODEL GEOID12B.
- COORDINATE ERRORS ARE CALCULATED PER THE STANDARDS SET BY THE FEDERAL GEOGRAPHIC DATA COMMITTEE'S GEOSPATIAL POSITIONING ACCURACY STANDARDS, SPECIFICALLY FGDC-STD-007.3-1998 (PART 3 NATIONAL STANDARD FOR SPATIAL DATA ACCURACY).
- ALL PROJECT CONTROL MONUMENTS ESTABLISHED BY THIS SURVEY CONFORM TO THE STANDARDS OF 2CM (0.07') NETWORK ACCURACY, OR HIGHER, FOR HORIZONTAL POSITIONAL ACCURACY AS SET FORTH IN CHAPTER 5 OF THE CALTRANS SURVEYS MANUAL (2015) UNLESS NOTED OTHERWISE.
- ALL SUPPLEMENTAL CONTROL MONUMENTS ESTABLISHED BY THIS SURVEY MEET OR EXCEED THE STANDARDS OF 0.07 FT (TWO CENTIMETER) LOCAL ACCURACY FOR HORIZONTAL POSITIONAL ACCURACY AS SET FORTH IN CHAPTER 5 OF THE CALTRANS SURVEYS MANUAL (2015) UNLESS NOTED OTHERWISE.
- NO VERTICAL ACCURACY IS CLAIMED FOR MONUMENTS ESTABLISHED PER THIS SURVEY.
- PRIMARY, PROJECT, AND SUPPLEMENTAL MONUMENT TYPES ARE FURTHER DEFINED IN SECTION 5.8, CHAPTER 5 OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION SURVEYS MANUAL (2015).
- THIS SURVEY WAS CONDUCTED UTILIZING STATIC GPS SURVEY METHODS IN ACCORDANCE WITH CHAPTER 6 OF THE CALTRANS SURVEYS MANUAL (2012 CALIFORNIA DEPARTMENT OF TRANSPORTATION). FIELD MEASUREMENTS WERE COLLECTED USING TRIMBLE R8 AND R10 GNSS ANTENNAS. THE GNSS DATA WAS PROCESSED AND THE SURVEY NETWORK WAS ADJUSTED (USING A LEAST SQUARES ADJUSTMENT) IN TRIMBLE BUSINESS CENTER VERSION 3.90.1 SOFTWARE.
- COMBINED GRID FACTORS SHOWN FOR NGS MONUMENTS DIFFER FROM VALUES LISTED ON NGS DATA SHEETS. THE VALUES SHOWN HEREON ARE DERIVED FROM TRIMBLE BUSINESS CENTER. THE DIFFERENCE IN VALUES IS DUE TO UTILIZATION OF DIFFERENT METHODS TO COMPUTE ELEVATION FACTORS BY TRIMBLE BUSINESS CENTER AND NGS.

STATE OF CALIFORNIA CALIFORNIA STATE TRANSPORTATION AGENCY DEPARTMENT OF TRANSPORTATION, DISTRICT 2			
RECORD OF SURVEY FOR GNSS PROJECT CONTROL ON NAD83(2011), EPOCH 2010.00			
IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF PLUMAS, STATE OF CALIFORNIA, ALONG STATE ROUTE 70, FROM POSTMILE 55.2 TO 75.0 SITUATED IN SECTIONS 8,9,10,11,&13 T23N, R11E; 19,30,&32 T23N R12E; 4,9,10,13,&14,T22N R12E; 4,8,&18 T22N R13E; OF THE MOUNT DIABLO BASE AND MERIDIAN			
EA:	1H580	EFIS:	0216000024
CO.	RTE.	P.M.	SHEET NO.
PLU	70	55.2 TO 75.0	2 OF 2

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