

2020 Wright County, IA
US Survey Feet

6/4/2020

Name: Wright County, IA										
Coordinate System: US State Plane 1983										
Datum: NAD 83(NA2011)										
Zone: Iowa North 1401										
Geoid: GEOID18 (Conus)										
Vertical Datum: NAVD88										
Adjustment by: Gary G Brown 5/27/2020 US sft										
Point ID	Northing	Easting	Elevation	Latitude	Longitude	Height	Projection	Height	Combined	Mapping
	sft	sft	sft	(Global)	(Global)	(Global)	Scale Factor	Scale Factor	Scale Factor	Angle
100459	3728441.582	4854556.151	1160.360	N42°43'40.77582"	W93°44'53.60534"	1069.785	0.9999459207	0.9999488655	0.9998947889	-0°10'05.6"
460042	3714199.444	4794511.075	1131.340	N42°41'17.56556"	W93°58'17.04951"	1038.599	0.9999454321	0.9999503558	0.9998957906	-0°19'10.2"
990001	3794278.456	4811046.630	1139.693	N42°54'29.43055"	W93°54'40.85757"	1043.702	0.9999541587	0.9999501132	0.9999042742	-0°16'43.6"
990002	3794270.290	4842629.954	1185.641	N42°54'30.65036"	W93°47'36.46044"	1090.320	0.9999541835	0.9999478851	0.9999020710	-0°11'56.0"
990003	3794115.162	4874156.607	1248.032	N42°54'29.98232"	W93°40'32.81690"	1154.162	0.9999541699	0.9999448337	0.9998990062	-0°07'08.9"
990004	3794130.656	4905759.912	1251.288	N42°54'30.56667"	W93°33'28.14827"	1159.127	0.9999541818	0.9999445964	0.9998987807	-0°02'21.1"
990005	3777852.012	4794961.137	1116.362	N42°51'46.34575"	W93°58'15.77228"	1020.507	0.9999511577	0.9999512216	0.9999023817	-0°19'09.3"
990006	3777822.345	4810941.236	1142.460	N42°51'46.87659"	W93°54'41.19759"	1046.953	0.9999511665	0.9999499576	0.9999011265	-0°16'43.9"
990007	3777807.751	4826744.105	1144.996	N42°51'47.43773"	W93°51'09.00258"	1049.941	0.9999511758	0.9999498147	0.9999009929	-0°14'20.1"
990008	3777765.734	4842469.718	1171.204	N42°51'47.61650"	W93°47'37.84273"	1076.743	0.9999511787	0.9999485337	0.9998997149	-0°11'56.9"
990009	3777637.288	4858358.349	1195.973	N42°51'46.83825"	W93°44'04.49044"	1102.282	0.9999511659	0.9999473131	0.9998984815	-0°09'32.3"
990010	3777585.956	4874226.744	1225.282	N42°51'46.71127"	W93°40'31.41363"	1132.458	0.9999511638	0.9999458708	0.9998970372	-0°07'07.9"
990011	3777687.738	4889861.308	1180.361	N42°51'47.98381"	W93°37'01.47980"	1088.338	0.9999511848	0.9999479795	0.9998991668	-0°04'45.7"
990012	3777529.682	4905725.838	1215.160	N42°51'46.58472"	W93°33'28.45335"	1123.811	0.9999511617	0.9999462840	0.9998974484	-0°02'21.3"
990013	3777657.163	4921583.076	1250.837	N42°51'47.89646"	W93°29'55.52754"	1159.850	0.9999511833	0.9999445616	0.9998957476	0°00'03.0"
990014	3762144.303	4794865.623	1128.495	N42°49'11.18306"	W93°58'15.87949"	1033.140	0.9999488826	0.9999506175	0.9998995026	-0°19'09.4"
990016	3761954.279	4826630.730	1136.487	N42°49'10.83475"	W93°51'09.63688"	1042.311	0.9999488782	0.9999501791	0.9998990598	-0°14'20.5"
990017	3761950.190	4842462.119	1145.128	N42°49'11.39217"	W93°47'37.20705"	1051.704	0.9999488853	0.9999497302	0.9998986181	-0°11'56.5"
990018	3762216.895	4858292.235	1221.712	N42°49'14.51529"	W93°44'04.80344"	1129.077	0.9999489256	0.9999460321	0.9998949604	-0°09'32.6"
990019	3761821.689	4877118.619	1211.210	N42°49'11.05049"	W93°39'52.17066"	1119.532	0.9999488809	0.9999464883	0.9998953720	-0°06'41.3"
990020	3761278.415	4890282.428	1165.271	N42°49'05.89931"	W93°36'55.52428"	1074.171	0.9999488151	0.9999486564	0.9998974741	-0°04'41.6"
990021	3761722.623	4905771.633	1207.712	N42°49'10.44385"	W93°33'27.69359"	1117.058	0.9999488731	0.9999466066	0.9998954824	-0°02'20.8"
990022	3761771.549	4921538.407	1245.071	N42°49'10.97929"	W93°29'56.13006"	1154.587	0.9999488800	0.9999448128	0.9998936957	0°00'02.6"
990023	3745899.935	4794709.831	1127.255	N42°46'30.71449"	W93°58'16.75470"	1032.637	0.9999471242	0.9999506413	0.9998977682	-0°19'10.0"
990024	3745828.062	4811003.578	1130.850	N42°46'30.84409"	W93°54'38.27374"	1036.953	0.9999471254	0.9999504350	0.9998975630	-0°16'41.9"
990025	3745788.783	4826416.028	1140.066	N42°46'31.14390"	W93°51'11.61147"	1046.961	0.9999471281	0.9999499566	0.9998970874	-0°14'21.8"
990026	3745611.377	4842341.533	1145.481	N42°46'29.99359"	W93°47'38.06290"	1053.216	0.9999471177	0.9999496577	0.9998967780	-0°11'57.1"
990027	3745661.903	4858040.103	1181.185	N42°46'30.97818"	W93°44'07.56801"	1089.680	0.9999471266	0.9999479148	0.9998950442	-0°09'34.4"
990028	3745630.932	4874043.596	1221.567	N42°46'31.05676"	W93°40'32.98044"	1130.733	0.9999471274	0.9999459527	0.9998930829	-0°07'09.0"
990029	3745419.872	4889774.049	1192.101	N42°46'29.24123"	W93°37'02.05062"	1101.760	0.9999471109	0.9999473374	0.9998944511	-0°04'46.0"

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Point ID	Northing sft	Easting sft	Elevation sft	Latitude (Global)	Longitude (Global)	Height (Global)	Projection Scale Factor	Height Scale Factor	Combined Scale Factor	Mapping Angle
990030	3745349.965	4905756.327	1189.608	N42°46'28.71403"	W93°33'27.74900"	1099.543	0.9999471061	0.9999474434	0.9998945523	-0°02'20.8"
990031	3745660.821	4921568.094	1241.816	N42°46'31.83691"	W93°29'55.73473"	1151.705	0.9999471344	0.9999449503	0.9998920876	0°00'02.9"
990032	3729958.038	4794612.122	1119.362	N42°43'53.23544"	W93°58'16.87300"	1025.639	0.9999459859	0.9999509755	0.9998969641	-0°19'10.0"
990033	3729983.016	4810331.664	1138.110	N42°43'54.29422"	W93°54'46.24561"	1045.207	0.9999459916	0.9999500402	0.9998960346	-0°16'47.3"
990034	3729827.476	4826406.092	1144.177	N42°43'53.47702"	W93°51'10.85100"	1052.168	0.9999459872	0.9999497075	0.9998956974	-0°14'21.3"
990035	3729480.712	4842162.114	1124.723	N42°43'50.64758"	W93°47'39.71553"	1033.539	0.9999459721	0.9999505979	0.9998965726	-0°11'58.2"
990036	3729817.204	4858763.234	1180.800	N42°43'54.48257"	W93°43'57.28724"	1090.310	0.9999459927	0.9999478845	0.9998938799	-0°09'27.5"
990037	3729668.129	4873965.651	1236.913	N42°43'53.37288"	W93°40'33.57999"	1146.923	0.9999459867	0.9999451786	0.9998911682	-0°07'09.4"
990038	3729552.930	4889722.880	1219.895	N42°43'52.50498"	W93°37'02.44141"	1130.199	0.9999459820	0.9999459779	0.9998919628	-0°04'46.3"
990039	3729651.824	4906987.558	1203.075	N42°43'53.65377"	W93°33'11.10771"	1113.407	0.9999459882	0.9999467805	0.9998927715	-0°02'09.5"
990040	3729584.040	4921454.232	1228.715	N42°43'53.02842"	W93°29'57.26343"	1138.801	0.9999459848	0.9999455668	0.9998915545	0°00'01.9"
990042	3714029.340	4810404.399	1115.586	N42°41'16.70580"	W93°54'44.22849"	1023.737	0.9999454306	0.9999510662	0.9998964994	-0°16'45.9"
990043	3713918.601	4826252.521	1130.561	N42°41'16.32081"	W93°51'12.01778"	1039.561	0.9999454299	0.9999503098	0.9998957425	-0°14'22.1"
990044	3714125.735	4842149.906	1122.361	N42°41'18.96835"	W93°47'39.16308"	1032.082	0.9999454345	0.9999506673	0.9998961045	-0°11'57.8"
990045	3713944.532	4858095.033	1170.030	N42°41'17.67130"	W93°44'05.64974"	1080.331	0.9999454322	0.9999483612	0.9998937962	-0°09'33.1"
990046	3713809.128	4873792.804	1238.525	N42°41'16.71108"	W93°40'35.45234"	1149.200	0.9999454306	0.9999450695	0.9998905031	-0°07'10.7"
990047	3713824.621	4891214.998	1188.777	N42°41'17.15751"	W93°36'42.16961"	1099.547	0.9999454314	0.9999474427	0.9998928769	-0°04'32.6"
990048	3713789.804	4905690.178	1184.878	N42°41'16.95700"	W93°33'28.34627"	1095.476	0.9999454310	0.9999476373	0.9998930712	-0°02'21.2"
990049	3713868.145	4921232.392	1201.895	N42°41'17.78348"	W93°30'00.23577"	1112.023	0.9999454324	0.9999468464	0.9998922817	-0°00'00.2"
990051	3698173.919	4825810.774	1109.110	N42°38'40.77336"	W93°51'17.04808"	1018.975	0.9999454480	0.9999512935	0.9998967442	-0°14'25.5"
990052	3698141.246	4842125.035	1143.838	N42°38'41.06904"	W93°47'38.75151"	1054.341	0.9999454475	0.9999496031	0.9998950534	-0°11'57.6"
990053	3698115.272	4858061.375	1151.139	N42°38'41.30497"	W93°44'05.51157"	1062.081	0.9999454470	0.9999492332	0.9998946830	-0°09'33.0"
990054	3698008.572	4873800.844	1232.616	N42°38'40.62911"	W93°40'34.90331"	1143.784	0.9999454483	0.9999453281	0.9998907794	-0°07'10.3"
990055	3697953.174	4889667.133	1228.375	N42°38'40.35416"	W93°37'02.60044"	1139.473	0.9999454489	0.9999455341	0.9998909859	-0°04'46.4"
990056	3697955.517	4905700.037	1164.014	N42°38'40.54141"	W93°33'28.06930"	1074.737	0.9999454485	0.9999486283	0.9998940796	-0°02'21.0"
990057	3697972.230	4918147.554	1152.889	N42°38'40.75693"	W93°30'41.51292"	1063.107	0.9999454481	0.9999491841	0.9998946350	-0°00'28.1"
990058	3682542.992	4809663.370	1122.033	N42°36'05.64131"	W93°54'52.08378"	1031.971	0.9999460302	0.9999506721	0.9998967050	-0°16'51.3"
990059	3682339.903	4826093.262	1105.559	N42°36'04.37226"	W93°51'12.38244"	1016.173	0.9999460373	0.9999514272	0.9998974672	-0°14'22.4"
990060	3682253.434	4842139.591	1129.768	N42°36'04.12492"	W93°47'37.81784"	1040.881	0.9999460387	0.9999502462	0.9998962876	-0°11'56.9"
990061	3682174.632	4857876.235	1155.588	N42°36'03.83307"	W93°44'07.39498"	1067.005	0.9999460403	0.9999489976	0.9998950406	-0°09'34.3"
990062	3682199.341	4873788.738	1239.926	N42°36'04.45987"	W93°40'34.62418"	1151.417	0.9999460368	0.9999449629	0.9998910027	-0°07'10.1"
990063	3682144.981	4889602.543	1237.594	N42°36'04.19437"	W93°37'03.17059"	1148.859	0.9999460383	0.9999450852	0.9998911265	-0°04'46.8"
990064	3682132.892	4905277.158	1209.040	N42°36'04.23692"	W93°33'33.57913"	1119.786	0.9999460381	0.9999464748	0.9998925157	-0°02'24.8"
990065	3698229.047	4810330.207	1095.071	N42°38'40.62420"	W93°54'44.19016"	1004.195	0.9999454483	0.9999520000	0.9998974509	-0°16'45.9"
990066	3762063.330	4811211.750	1147.120	N42°49'11.22477"	W93°54'36.53862"	1052.307	0.9999488832	0.9999497014	0.9998985871	-0°16'40.7"
991045	3794260.390	4794949.281	1148.230	N42°54'28.42191"	W93°58'17.16012"	1052.048	0.9999541382	0.9999497143	0.9999038548	-0°19'10.2"
991046	3794436.982	4826885.323	1148.127	N42°54'31.70298"	W93°51'08.03672"	1052.396	0.9999542049	0.9999496977	0.9999039049	-0°14'19.4"
991047	3794080.092	4858561.726	1224.092	N42°54'29.26257"	W93°44'02.37068"	1129.412	0.9999541553	0.9999460167	0.9999001744	-0°09'30.9"

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991048	3794110.256	4889992.465	1227.644	N42°54'30.20442"	W93°37'00.02300"	1134.673	0.9999541744	0.9999457652	0.9998999421	-0°04'44.7"
991049	3794152.977	4921508.824	1267.760	N42°54'30.83946"	W93°29'56.52204"	1176.170	0.9999541873	0.9999437819	0.9998979718	0°00'02.4"
992001	3684934.859	4924258.290	1140.817	N42°36'31.96925"	W93°29'19.77002"	1050.570	0.9999458917	0.9999497832	0.9998956776	0°00'27.3"
992002	3699978.526	4924702.528	1205.825	N42°39'00.57527"	W93°29'13.79866"	1115.723	0.9999454143	0.9999466693	0.9998920865	0°00'31.3"
993001	3666639.947	4805028.833	1116.695	N42°33'28.31715"	W93°55'52.96849"	1027.142	0.9999471956	0.9999509027	0.9998981009	-0°17'32.5"
993002	3666502.626	4820661.840	1104.348	N42°33'27.69565"	W93°52'24.07221"	1015.354	0.9999472013	0.9999514661	0.9998986700	-0°15'10.9"
993003	3666361.740	4834269.646	1122.833	N42°33'26.85744"	W93°49'22.23764"	1034.213	0.9999472091	0.9999505647	0.9998977764	-0°13'07.7"
993004	3666328.611	4852644.544	1140.188	N42°33'27.15014"	W93°45'16.71131"	1051.864	0.9999472064	0.9999497210	0.9998969301	-0°10'21.3"
993005	3666190.181	4868533.771	1218.994	N42°33'26.20070"	W93°41'44.39484"	1130.690	0.9999472152	0.9999459533	0.9998931714	-0°07'57.4"
993006	3666192.098	4884288.153	1241.036	N42°33'26.52603"	W93°38'13.88510"	1152.474	0.9999472122	0.9999449122	0.9998921273	-0°05'34.7"
993007	3666291.255	4900244.254	1175.996	N42°33'27.70612"	W93°34'40.68068"	1086.867	0.9999472012	0.9999480480	0.9998952520	-0°03'10.2"
994001	3721742.319	4809711.458	1129.007	N42°42'32.86201"	W93°54'54.01385"	1036.616	0.9999456291	0.9999504507	0.9998960825	-0°16'52.6"
994002	3734371.110	4850810.340	1151.884	N42°44'39.23668"	W93°45'44.04015"	1060.788	0.9999462583	0.9999492956	0.9998955566	-0°10'39.8"
994003	3715171.320	4778746.220	1135.260	N42°41'26.24343"	W94°01'48.21920"	1041.645	0.9999454480	0.9999502103	0.9998956610	-0°21'33.3"
994004	3639209.440	4889542.910	1222.520	N42°29'00.05607"	W93°37'03.16969"	1133.517	0.9999505169	0.9999458178	0.9998963374	-0°04'46.8"
994005	3672865.273	4921364.549	1148.925	N42°34'32.74290"	W93°29'58.46894"	1058.683	0.9999466484	0.9999493952	0.9998960463	0°00'01.0"
996025	3698315.238	4794415.025	1131.090	N42°38'40.65391"	W93°58'17.14955"	1039.349	0.9999454483	0.9999503197	0.9998957707	-0°19'10.2"
996026	3682633.915	4794247.790	1131.723	N42°36'05.74132"	W93°58'18.21641"	1040.901	0.9999460297	0.9999502453	0.9998962776	-0°19'11.0"
996027	3666763.400	4794196.173	1144.120	N42°33'28.96516"	W93°58'17.72280"	1054.096	0.9999471896	0.9999496144	0.9998968066	-0°19'10.6"
998001	3666234.703	4921419.677	1152.600	N42°33'27.24315"	W93°29'57.73277"	1062.228	0.9999472055	0.9999492257	0.9998964339	0°00'01.5"
IACL	3729539.200	4853719.660	1186.723	N42°43'51.59382"	W93°45'04.85682"	1096.050	0.9999459771	0.9999476101	0.9998935901	-0°10'13.3"
IAWS	3639489.070	4908429.349	1231.637	N42°29'03.00057"	W93°32'51.10937"	1141.590	0.9999504713	0.9999454319	0.9998959059	-0°01'56.0"

Name: Wright County, IA Low Distortion Project Coordinates Zone 4, Sioux City - Iowa Falls										
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100459	8672814.298	14791575.101	1160.360	N42°43'40.77582"	W93°44'53.60534"	1069.785	1.0000507567	0.9999488655	0.9999996196	0°44'00.8"
460042	8657627.123	14731755.441	1131.340	N42°41'17.56556"	W93°58'17.04951"	1038.599	1.0000486434	0.9999503558	0.9999989968	0°34'57.7"
990001	8737965.203	14747029.803	1139.693	N42°54'29.43055"	W93°54'40.85757"	1043.702	1.0000663671	0.9999501132	1.0000164770	0°37'23.8"
990002	8738454.266	14778612.885	1185.641	N42°54'30.65036"	W93°47'36.46044"	1090.320	1.0000664058	0.9999478851	1.0000142874	0°42'10.7"
990003	8738795.365	14810141.613	1248.032	N42°54'29.98232"	W93°40'32.81690"	1154.162	1.0000663846	0.9999448337	1.0000112147	0°46'57.1"
990004	8739308.178	14841744.308	1251.288	N42°54'30.56667"	W93°33'28.14827"	1159.127	1.0000664032	0.9999445964	1.0000109959	0°51'44.2"
990005	8721285.684	14731203.165	1116.362	N42°51'46.34575"	W93°58'15.77228"	1020.507	1.0000615104	0.9999512216	1.0000127290	0°34'58.5"
990006	8721507.641	14747183.513	1142.460	N42°51'46.87659"	W93°54'41.19759"	1046.953	1.0000615252	0.9999499576	1.0000114797	0°37'23.6"
990007	8721741.852	14762986.399	1144.996	N42°51'47.43773"	W93°51'09.00258"	1049.941	1.0000615409	0.9999498147	1.0000113525	0°39'47.0"
990008	8721947.395	14778712.459	1171.204	N42°51'47.61650"	W93°47'37.84273"	1076.743	1.0000615459	0.9999485337	1.0000100764	0°42'09.8"
990009	8722069.050	14794602.898	1195.973	N42°51'46.83825"	W93°44'04.49044"	1102.282	1.0000615242	0.9999473131	1.0000088340	0°44'34.0"
990010	8722267.470	14810471.887	1225.282	N42°51'46.71127"	W93°40'31.41363"	1132.458	1.0000615206	0.9999458708	1.0000073881	0°46'58.0"
990011	8722615.295	14826104.639	1180.361	N42°51'47.98381"	W93°37'01.47980"	1088.338	1.0000615561	0.9999479795	1.0000095324	0°49'20.0"
990012	8722706.875	14841971.443	1215.160	N42°51'46.58472"	W93°33'28.45335"	1123.811	1.0000615171	0.9999462840	1.0000077978	0°51'44.0"
990013	8723083.846	14857826.463	1250.837	N42°51'47.89646"	W93°29'55.52754"	1159.850	1.0000615537	0.9999445616	1.0000061118	0°54'07.9"
990014	8705576.699	14731355.001	1128.495	N42°49'11.18306"	W93°58'15.87949"	1033.140	1.0000574711	0.9999506175	1.0000080857	0°34'58.4"
990016	8705886.824	14763122.611	1136.487	N42°49'10.83475"	W93°51'09.63688"	1042.311	1.0000574627	0.9999501791	1.0000076389	0°39'46.6"
990017	8706131.960	14778953.823	1145.128	N42°49'11.39217"	W93°47'37.20705"	1051.704	1.0000574762	0.9999497302	1.0000072035	0°42'10.2"
990018	8706647.838	14794779.499	1221.712	N42°49'14.51529"	W93°44'04.80344"	1129.077	1.0000575519	0.9999460321	1.0000035809	0°44'33.8"
990019	8706548.942	14813611.816	1211.210	N42°49'11.05049"	W93°39'52.17066"	1119.532	1.0000574679	0.9999464883	1.0000039531	0°47'24.6"
990020	8706212.834	14826783.974	1165.271	N42°49'05.89931"	W93°36'55.52428"	1074.171	1.0000573435	0.9999486564	1.0000059969	0°49'24.0"
990021	8706900.763	14842265.953	1207.712	N42°49'10.44385"	W93°33'27.69359"	1117.058	1.0000574532	0.9999466066	1.0000040567	0°51'44.5"
990022	8707197.756	14858031.718	1245.071	N42°49'10.97929"	W93°29'56.13006"	1154.587	1.0000574662	0.9999448128	1.0000022758	0°54'07.5"
990023	8689330.142	14731455.010	1127.255	N42°46'30.71449"	W93°58'16.75470"	1032.637	1.0000538895	0.9999506413	1.0000045281	0°34'57.9"
990024	8689514.832	14747749.609	1130.850	N42°46'30.84409"	W93°54'38.27374"	1036.953	1.0000538922	0.9999504350	1.0000043245	0°37'25.6"
990025	8689718.210	14763162.413	1140.066	N42°46'31.14390"	W93°51'11.61147"	1046.961	1.0000538983	0.9999499566	1.0000038522	0°39'45.3"
990026	8689791.514	14779090.437	1145.481	N42°46'29.99359"	W93°47'38.06290"	1053.216	1.0000538748	0.9999496577	1.0000035297	0°42'09.6"
990027	8690089.145	14794787.943	1181.185	N42°46'30.97818"	W93°44'07.56801"	1089.680	1.0000538949	0.9999479148	1.0000018069	0°44'31.9"
990028	8690310.052	14810791.651	1221.567	N42°46'31.05676"	W93°40'32.98044"	1130.733	1.0000538965	0.9999459527	0.9999998463	0°46'57.0"
990029	8690346.547	14826525.157	1192.101	N42°46'29.24123"	W93°37'02.05062"	1101.760	1.0000538594	0.9999473374	1.0000011940	0°49'19.6"

2020 Wright County, IA
US Survey Feet

6/9/2020

Point ID	Northing sft	Easting sft	Elevation sft	Latitude (Global)	Longitude (Global)	Height (Global)	Projection Scale Factor	Height Scale Factor	Combined Scale Factor	Mapping Angle
990030	8690528.128	14842508.263	1189.608	N42°46'28.71403"	W93°33'27.74900"	1099.543	1.0000538487	0.9999474434	1.0000012893	0°51'44.4"
990031	8691087.754	14858314.870	1241.816	N42°46'31.83691"	W93°29'55.73473"	1151.705	1.0000539125	0.9999449503	0.9999988598	0°54'07.8"
990032	8673386.995	14731608.338	1119.362	N42°43'53.23544"	W93°58'16.87300"	1025.639	1.0000509633	0.9999509755	1.0000019363	0°34'57.8"
990033	8673659.493	14747327.189	1138.110	N42°43'54.29422"	W93°54'46.24561"	1045.207	1.0000509810	0.9999500402	1.0000010187	0°37'20.2"
990034	8673757.035	14763403.760	1144.177	N42°43'53.47702"	W93°51'10.85100"	1052.168	1.0000509674	0.9999497075	1.0000006723	0°39'45.8"
990035	8673658.315	14779164.944	1124.723	N42°43'50.64758"	W93°47'39.71553"	1033.539	1.0000509201	0.9999505979	1.0000015155	0°42'08.5"
990036	8674256.112	14795760.453	1180.800	N42°43'54.48257"	W93°43'57.28724"	1090.310	1.0000509842	0.9999478845	0.9999988660	0°44'38.9"
990037	8674346.309	14810964.930	1236.913	N42°43'53.37288"	W93°40'33.57999"	1146.923	1.0000509656	0.9999451786	0.9999961414	0°46'56.6"
990038	8674479.085	14826723.675	1219.895	N42°43'52.50498"	W93°37'02.44141"	1130.199	1.0000509511	0.9999459779	0.9999969263	0°49'19.3"
990039	8674849.641	14843986.471	1203.075	N42°43'53.65377"	W93°33'11.10771"	1113.407	1.0000509703	0.9999467805	0.9999977481	0°51'55.7"
990040	8675009.469	14858453.940	1228.715	N42°43'53.02842"	W93°29'57.26343"	1138.801	1.0000509599	0.9999455668	0.9999965238	0°54'06.7"
990042	8657707.278	14747651.114	1115.586	N42°41'16.70580"	W93°54'44.22849"	1023.737	1.0000486322	0.9999510662	0.9999969600	0°37'21.5"
990043	8657846.057	14763500.651	1130.561	N42°41'16.32081"	W93°51'12.01778"	1039.561	1.0000486272	0.9999503098	0.9999989346	0°39'45.0"
990044	8658303.450	14779394.447	1122.361	N42°41'18.96835"	W93°47'39.16308"	1032.082	1.0000486618	0.9999506673	0.9999993267	0°42'08.9"
990045	8658373.237	14795342.097	1170.030	N42°41'17.67130"	W93°44'05.64974"	1080.331	1.0000486448	0.9999483612	0.9999970035	0°44'33.2"
990046	8658484.901	14811041.674	1238.525	N42°41'16.71108"	W93°40'35.45234"	1149.200	1.0000486323	0.9999450695	0.9999936991	0°46'55.3"
990047	8658774.566	14828463.265	1188.777	N42°41'17.15751"	W93°36'42.16961"	1099.547	1.0000486381	0.9999474427	0.9999960782	0°49'33.0"
990048	8658967.520	14842938.695	1184.878	N42°41'16.95700"	W93°33'28.34627"	1095.476	1.0000486355	0.9999476373	0.9999962702	0°51'44.0"
990049	8659290.393	14858479.357	1201.895	N42°41'17.78348"	W93°30'00.23577"	1112.023	1.0000486463	0.9999468464	0.9999954901	0°54'04.7"
990051	8642094.761	14763306.787	1109.110	N42°38'40.77336"	W93°51'17.04808"	1018.975	1.0000468820	0.9999512935	0.9999981732	0°39'41.6"
990052	8642318.914	14779621.196	1143.838	N42°38'41.06904"	W93°47'38.75151"	1054.341	1.0000468848	0.9999496031	0.9999964855	0°42'09.2"
990053	8642543.788	14795557.587	1151.139	N42°38'41.30497"	W93°44'05.51157"	1062.081	1.0000468870	0.9999492332	0.9999961178	0°44'33.3"
990054	8642684.811	14811298.383	1232.616	N42°38'40.62911"	W93°40'34.90331"	1143.784	1.0000468806	0.9999453281	0.9999922061	0°46'55.7"
990055	8642879.102	14827165.188	1228.375	N42°38'40.35416"	W93°37'02.60044"	1139.473	1.0000468780	0.9999455341	0.9999924096	0°49'19.2"
990056	8643133.728	14843197.697	1164.014	N42°38'40.54141"	W93°33'28.06930"	1074.737	1.0000468798	0.9999486283	0.9999955057	0°51'44.2"
990057	8643346.285	14855644.673	1152.889	N42°38'40.75693"	W93°30'41.51292"	1063.107	1.0000468818	0.9999491841	0.9999960636	0°53'36.8"
990058	8626209.971	14747405.857	1122.033	N42°36'05.64131"	W93°54'52.08378"	1031.971	1.0000457068	0.9999506721	0.9999963767	0°37'16.2"
990059	8626265.562	14763838.548	1105.559	N42°36'04.37226"	W93°51'12.38244"	1016.173	1.0000456995	0.9999514272	0.9999971246	0°39'44.7"
990060	8626431.702	14779885.848	1129.768	N42°36'04.12492"	W93°47'37.81784"	1040.881	1.0000456981	0.9999502462	0.9999959421	0°42'09.8"
990061	8626600.606	14795623.352	1155.588	N42°36'03.83307"	W93°44'07.39498"	1067.005	1.0000456965	0.9999489976	0.9999946917	0°44'32.0"
990062	8626875.757	14811535.082	1239.926	N42°36'04.45987"	W93°40'34.62418"	1151.417	1.0000457000	0.9999449629	0.9999906605	0°46'55.9"
990063	8627070.261	14827349.360	1237.594	N42°36'04.19437"	W93°37'03.17059"	1148.859	1.0000456985	0.9999450852	0.9999907812	0°49'18.8"
990064	8627304.816	14843023.787	1209.040	N42°36'04.23692"	W93°33'33.57913"	1119.786	1.0000456988	0.9999464748	0.9999921711	0°51'40.5"
990065	8641906.159	14747825.700	1095.071	N42°38'40.62420"	W93°54'44.19016"	1004.195	1.0000468806	0.9999520000	0.9999988783	0°37'21.6"
990066	8705753.113	14747702.151	1147.120	N42°49'11.22477"	W93°54'36.53862"	1052.307	1.0000574721	0.9999497014	1.0000071706	0°37'26.7"
991045	8737693.667	14730932.927	1148.230	N42°54'28.42191"	W93°58'17.16012"	1052.048	1.0000663352	0.9999497143	1.0000160461	0°34'57.6"
991046	8738373.096	14762865.814	1148.127	N42°54'31.70298"	W93°51'08.03672"	1052.396	1.0000664392	0.9999496977	1.0000161336	0°39'47.7"
991047	8738514.848	14794547.465	1224.092	N42°54'29.26257"	W93°44'02.37068"	1129.412	1.0000663618	0.9999460167	1.0000123749	0°44'35.4"

Point ID	Northing sft	Easting sft	Elevation sft	Latitude (Global)	Longitude (Global)	Height (Global)	Projection Scale Factor	Height Scale Factor	Combined Scale Factor	Mapping Angle
991048	8739039.671	14825977.364	1227.644	N42°54'30.20442"	W93°37'00.02300"	1134.673	1.0000663917	0.9999457652	1.0000121533	0°49'20.9"
991049	8739578.287	14857492.687	1267.760	N42°54'30.83946"	W93°29'56.52204"	1176.170	1.0000664118	0.9999437819	1.0000101900	0°54'07.2"
992001	8630405.353	14861960.380	1140.817	N42°36'31.96925"	W93°29'19.77002"	1050.570	1.0000458665	0.9999497832	0.9999956474	0°54'32.1"
992002	8645455.664	14862167.937	1205.825	N42°39'00.57527"	W93°29'13.79866"	1115.723	1.0000470726	0.9999466693	0.9999937394	0°54'36.1"
993001	8610234.355	14743021.834	1116.695	N42°33'28.31715"	W93°55'52.96849"	1027.142	1.0000450913	0.9999509027	0.9999959918	0°36'35.1"
993002	8610343.173	14758656.597	1104.348	N42°33'27.69565"	W93°52'24.07221"	1015.354	1.0000450901	0.9999514661	0.9999965540	0°38'56.3"
993003	8610416.520	14772266.267	1122.833	N42°33'26.85744"	W93°49'22.23764"	1034.213	1.0000450884	0.9999505647	0.9999956508	0°40'59.2"
993004	8610672.635	14790641.208	1140.188	N42°33'27.15014"	W93°45'16.71131"	1051.864	1.0000450890	0.9999497210	0.9999948077	0°43'45.2"
993005	8610784.295	14806532.201	1218.994	N42°33'26.20070"	W93°41'44.39484"	1130.690	1.0000450870	0.9999459533	0.9999910379	0°46'08.7"
993006	8611034.148	14822286.145	1241.036	N42°33'26.52603"	W93°38'13.88510"	1152.474	1.0000450877	0.9999449122	0.9999899973	0°48'31.0"
993007	8611384.385	14838240.271	1175.996	N42°33'27.70612"	W93°34'40.68068"	1086.867	1.0000450901	0.9999480480	0.9999931357	0°50'55.1"
994001	8665409.190	14746836.745	1129.007	N42°42'32.86201"	W93°54'54.01385"	1036.616	1.0000496945	0.9999504507	1.0000001427	0°37'14.9"
994002	8678684.754	14787736.028	1151.884	N42°44'39.23668"	W93°45'44.04015"	1060.788	1.0000517578	0.9999492956	1.0000010508	0°43'26.7"
994003	8658350.718	14715975.608	1135.260	N42°41'26.24343"	W94°01'48.21920"	1041.645	1.0000487578	0.9999502103	0.9999989656	0°32'34.9"
994004	8584134.921	14827965.366	1222.520	N42°29'00.05607"	W93°37'03.16969"	1133.517	1.0000453791	0.9999458178	0.9999911944	0°49'18.8"
994005	8618290.536	14859256.594	1148.925	N42°34'32.74290"	W93°29'58.46894"	1058.683	1.0000452733	0.9999493952	0.9999946662	0°54'05.9"
996025	8641741.748	14731909.519	1131.090	N42°38'40.65391"	W93°58'17.14955"	1039.349	1.0000468809	0.9999503197	0.9999971982	0°34'57.6"
996026	8626058.159	14731989.219	1131.723	N42°36'05.74132"	W93°58'18.21641"	1040.901	1.0000457074	0.9999502453	0.9999959504	0°34'56.9"
996027	8610187.231	14732187.513	1144.120	N42°33'28.96516"	W93°58'17.72280"	1054.096	1.0000450927	0.9999496144	0.9999947048	0°34'57.2"
998001	8611661.002	14859416.036	1152.600	N42°33'27.24315"	W93°29'57.73277"	1062.228	1.0000450891	0.9999492257	0.9999943125	0°54'06.4"
IACL	8673898.728	14790721.350	1186.723	N42°43'51.59382"	W93°45'04.85682"	1096.050	1.0000509359	0.9999476101	0.9999985433	0°43'53.2"
IAWS	8584711.721	14846846.860	1231.637	N42°29'03.00057"	W93°32'51.10937"	1141.590	1.0000453668	0.9999454319	0.9999907962	0°52'09.2"