Winneshiek County
Iowa

National Adjustment 2011
(NA2011)

Monument
Records

2014

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2014 Winneshiek County, Iowa

Iowa Regional Coordinate System Zone 2 NAD83(2011) - US Survey Feet

Name: Winneshiek County, IA Low Distortion Project Coordinates Zone 2 Mason City
Coordinate System: Iowa Regional Coordinate System
Datum: NAD 83(NA2011)
Zone: IaRCS Zone 2 Mason City LCC
Geoid: GEOID12A (Conus)
Vertical Datum: NAVD88
Adjustment by: Gary G Brown 1/25/2014

Point ID	Northing sft	Easting sft	Elevation sft	Latitude (Local)	Longitude (Local)	Projection Scale Factor	Height Scale Factor	Combined Scale Factor	Meridian Convergence Angle	Height (Local) sft
10101	9922503.753	12678623.688	1230.490	N43°30'02.77143"	W92°04'36.63837"	1.0000599731	0.999946040	1.000006010	0°27'38"	1131.009
10102	9922515.514	12690773.300	1209.160	N43°30'01.89038"	W92°01'51.81282"	1.0000599483	0.999947050	1.000006995	0°29'31"	1109.824
10103	9922744.099	12706788.206	1274.080	N43°30'02.73308"	W91°58'14.52467"	1.0000599721	0.999943943	1.000003912	0°31'59"	1174.959
10104	9922876.905	12722762.425	1306.060	N43°30'02.51997"	W91°54'37.79993"	1.0000599660	0.999942409	1.000002372	0°34'28"	1207.114
10105	9922925.990	12738606.244	1359.880	N43°30'01.38053"	W91°51'02.85692"	1.0000599339	0.999939838	0.999999768	0°36'55"	1261.013
10106	9922887.929	12754439.901	1268.120	N43°29'59.27013"	W91°47'28.06765"	1.0000598744	0.999944218	1.000004090	0°39'22"	1169.184
10107	9923452.968	12770638.554	1184.340	N43°30'02.96008"	W91°43'48.23167"	1.0000599785	0.999948225	1.000008200	0°41'52"	1085.207
10108	9923510.415	12786404.101	1147.420	N43°30'01.57609"	W91°40'14.35260"	1.0000599394	0.999949999	1.000009936	0°44'18"	1048.014
10109	9912051.428	12691594.918	1185.830	N43°28'18.48369"	W92°01'41.88993"	1.0000571551	0.999948164	1.000005316	0°29'37"	1086.480
10110	9912349.900	12707060.975	1178.570	N43°28'20.06192"	W91°58'12.13748"	1.0000571958	0.999948501	1.000005694	0°32'01"	1079.409
10111	9912523.438	12723029.288	1242.470	N43°28'20.25042"	W91°54'35.58863"	1.0000572007	0.999945445	1.000002643	0°34'29"	1143.464
10112	9912688.399	12738859.527	1263.970	N43°28'20.25559"	W91°51'00.91302"	1.0000572008	0.999944416	1.000001614	0°36'56"	1165.039
10113	9913024.196	12754713.519	1274.360	N43°28'21.83379"	W91°47'25.88886"	1.0000572416	0.999943922	1.000001160	0°39'23"	1175.399
10114	9912828.872	12770567.040	1179.770	N43°28'18.05551"	W91°43'50.95577"	1.0000571440	0.999948443	1.000005584	0°41'50"	1080.638
10115	9913008.593	12786670.710	1132.610	N43°28'17.83737"	W91°40'12.57286"	1.0000571384	0.999950704	1.000007840	0°44'19"	1033.237
10116	9896255.391	12678031.412	1240.421	N43°25'43.60286"	W92°04'47.52270"	1.0000534423	0.999945565	0.999999005	0°27'30"	1140.951
10117	9896355.678	12698576.156	1030.770	N43°25'42.87610"	W92°00'09.12580"	1.0000534263	0.999955559	1.000008983	0°30'41"	931.479
10118	9896910.577	12711576.464	1123.810	N43°25'47.17263"	W91°57'12.89947"	1.0000535216	0.999951115	1.000004634	0°32'41"	1024.630
10119	9896585.499	12722697.393	1148.780	N43°25'42.89052"	W91°54'42.25219"	1.0000534266	0.999949920	1.000003344	0°34'25"	1049.677
10120	9896808.692	12742031.550	1228.600	N43°25'43.10056"	W91°50'20.24411"	1.0000534312	0.999946108	0.999999536	0°37'24"	1129.574
10121	9896679.609	12755202.544	1260.040	N43°25'40.37239"	W91°47'21.80003"	1.0000533709	0.999944609	0.999997977	0°39'26"	1160.983
10122	9897083.197	12773061.887	1258.480	N43°25'42.26413"	W91°43'19.74793"	1.0000534127	0.999944689	0.999998099	0°42'11"	1159.307
10123	9896185.740	12786055.922	1077.320	N43°25'31.78931"	W91°40'23.84152"	1.0000531823	0.999953340	1.000006520	0°44'12"	977.980
10124	9880478.545	12691891.147	1190.490	N43°23'06.65936"	W92°01'41.56290"	1.0000502558	0.999947938	0.999998192	0°29'38"	1091.202

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10125	9880571.444	12707713.426	1194.820	N43°23'06.17459"	W91°58'07.31043"	1.0000502469	0.999947725	0.999997970	0°32'04"	1095.669
10126	9880826.211	12723550.369	1133.660	N43°23'07.17585"	W91°54'32.83844"	1.0000502654	0.999950639	1.000000902	0°34'31"	1034.592
10127	9882145.270	12737544.387	922.790	N43°23'18.77113"	W91°51'23.16470"	1.0000504811	0.999960698	1.000011177	0°36'41"	823.750
10128	9883020.593	12756254.163	979.700	N43°23'25.36620"	W91°47'09.68131"	1.0000506052	0.999957985	1.000008588	0°39'34"	880.618
10130	9881689.079	12787047.246	1058.310	N43°23'08.50669"	W91°40'12.94257"	1.0000502900	0.999954249	1.000004537	0°44'19"	958.927
10131	9864695.211	12678218.678	1208.170	N43°20'31.90945"	W92°04'48.40585"	1.0000476808	0.999947100	0.999994778	0°27'30"	1108.774
10132	9864732.325	12696991.962	1221.860	N43°20'30.71490"	W92°00'34.38036"	1.0000476631	0.999946437	0.999994097	0°30'24"	1122.678
10133	9864787.781	12709613.603	1194.370	N43°20'30.12522"	W91°57'43.59188"	1.0000476544	0.999947743	0.999995395	0°32'20"	1095.294
10134	9865714.566	12725561.237	1171.760	N43°20'37.73974"	W91°54'07.68209"	1.0000477676	0.999948817	0.999996582	0°34'48"	1072.792
10135	9865241.109	12741755.972	910.760	N43°20'31.38682"	W91°50'28.61940"	1.0000476730	0.999961267	1.000008938	0°37'18"	811.824
10136	9866653.468	12759336.696	1196.915	N43°20'43.38211"	W91°46'30.51980"	1.0000478524	0.999947617	0.999995467	0°40'01"	1097.931
10137	9865600.235	12775873.408	1172.900	N43°20'31.01949"	W91°42'46.93499"	1.0000476676	0.999948772	0.999996437	0°42'34"	1073.722
10138	9865821.717	12788573.121	966.210	N43°20'31.61804"	W91°39'55.06494"	1.0000476765	0.999958644	1.000006318	0°44'31"	866.810
10139	9849030.681	12693796.548	1191.800	N43°17'55.92560"	W92°01'19.46392"	1.0000456545	0.999947875	0.999993528	0°29'53"	1092.516
10140	9849131.889	12709622.683	1134.260	N43°17'55.51115"	W91°57'45.46063"	1.0000456499	0.999950613	0.999996261	0°32'19"	1035.129
10141	9849446.108	12725410.356	1125.880	N43°17'57.09322"	W91°54'11.94918"	1.0000456675	0.999951005	0.999996670	0°34'45"	1026.918
10142	9846834.133	12741322.269	1094.540	N43°17'29.65357"	W91°50'37.18308"	1.0000453694	0.999952496	0.999997863	0°37'12"	995.674
10143	9848178.983	12757484.086	946.040	N43°17'41.14955"	W91°46'58.47480"	1.0000454922	0.999959582	1.000005072	0°39'42"	847.147
10144	9848119.247	12773205.050	946.140	N43°17'38.71207"	W91°43'25.93715"	1.0000454659	0.999959584	1.000005048	0°42'07"	847.100
10145	9849637.606	12789028.617	886.490	N43°17'51.73633"	W91°39'51.74058"	1.0000456079	0.999962444	1.000008050	0°44'34"	787.151
10146	9833201.726	12678298.982	1205.840	N43°15'20.87700"	W92°04'50.72457"	1.0000442064	0.999947219	0.999991423	0°27'28"	1106.284
10147	9833186.485	12693686.671	1162.640	N43°15'19.45969"	W92°01'22.80934"	1.0000441957	0.999949275	0.999993469	0°29'50"	1063.176
10148	9833296.420	12709758.552	1116.780	N43°15'19.11039"	W91°57'45.63642"	1.0000441931	0.999951457	0.999995648	0°32'19"	1017.446
10149	9833499.659	12725599.134	1122.090	N43°15'19.59131"	W91°54'11.57678"	1.0000441967	0.999951195	0.999995390	0°34'45"	1022.925
10150	9833630.629	12741499.244	1088.890	N43°15'19.24108"	W91°50'36.72257"	1.0000441941	0.999952772	0.999996964	0°37'12"	989.883
10151	9832590.150	12757870.641	1134.700	N43°15'07.15639"	W91°46'55.68434"	1.0000441054	0.999950584	0.999994687	0°39'44"	1035.738
10152	9834038.405	12773425.602	1171.320	N43°15'19.62984"	W91°43'25.28831"	1.0000441970	0.999948842	0.999993037	0°42'08"	1072.259
10153	9833902.522	12791892.791	1045.340	N43°15'15.97749"	W91°39'15.79874"	1.0000441698	0.999954868	0.999999036	0°44'58"	945.946
10154	9817653.200	12695207.138	1174.980	N43°12'45.92276"	W92°01'04.10003"	1.0000433225	0.999948696	0.999992016	0°30'03"	1075.320
10155	9817468.432	12707780.633	1116.280	N43°12'42.97740"	W91°58'14.35169"	1.0000433111	0.999951494	0.999994803	0°31'59"	1016.667
10156	9817557.103	12725610.916	1188.050	N43°12'42.14413"	W91°54'13.59419"	1.0000433080	0.999948063	0.999991369	0°34'44"	1088.584
10157	9817910.798	12741495.418	1209.290	N43°12'43.99624"	W91°50'39.07157"	1.0000433150	0.999947042	0.999990355	0°37'11"	1109.983
10158	9818190.476	12757620.208	1229.140	N43°12'44.97836"	W91°47'01.31263"	1.0000433188	0.999946089	0.999989406	0°39'40"	1129.953

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10159	9818287.425	12770946.640	1201.180	N43°12'44.37799"	W91°44'01.36500"	1.0000433165	0.999947424	0.999990738	0°41'43"	1101.975
10160	9818454.243	12791294.478	1221.610	N43°12'43.49530"	W91°39'26.60565"	1.0000433131	0.999946462	0.999989773	0°44'51"	1122.140
10161	9801791.589	12696683.139	1174.430	N43°10'09.14503"	W92°00'46.05573"	1.0000430010	0.999948730	0.999991729	0°30'16"	1074.590
10162	9801904.004	12710190.351	1112.110	N43°10'09.04067"	W91°57'43.79229"	1.0000430010	0.999951703	0.999994701	0°32'20"	1012.291
10163	9801870.963	12725771.526	1219.550	N43°10'07.21313"	W91°54'13.56570"	1.0000430006	0.999946574	0.999989572	0°34'44"	1119.798
10164	9801908.918	12739315.591	1197.940	N43°10'06.19585"	W91°51'10.81779"	1.0000430004	0.999947600	0.999990598	0°36'49"	1098.283
10165	9801958.581	12757677.050	1273.830	N43°10'04.66958"	W91°47'03.07264"	1.0000430003	0.999943972	0.999986970	0°39'39"	1174.325
10166	9802538.606	12775311.085	1201.300	N43°10'08.32063"	W91°43'05.05727"	1.0000430008	0.999947432	0.999990430	0°42'21"	1101.813
10167	9802679.198	12790327.855	1215.670	N43°10'07.83186"	W91°39'42.42427"	1.0000430007	0.999946754	0.999989752	0°44'40"	1116.023
10168	9786022.208	12694185.928	1165.240	N43°07'33.62046"	W92°01'21.59803"	1.0000432509	0.999949177	0.999992426	0°29'51"	1065.225
10169	9786309.683	12709709.179	1075.080	N43°07'35.07492"	W91°57'52.25807"	1.0000432459	0.999953477	0.999996721	0°32'15"	975.089
10170	9787584.164	12725966.149	1003.180	N43°07'46.09750"	W91°54'12.88799"	1.0000432099	0.999956906	1.000000114	0°34'45"	903.217
10171	9786261.038	12741389.552	1209.300	N43°07'31.43835"	W91°50'45.11448"	1.0000432584	0.999947069	0.999990325	0°37'07"	1109.401
10172	9785990.940	12757761.550	1217.990	N43°07'26.96612"	W91°47'04.41613"	1.0000432742	0.999946651	0.999989923	0°39'38"	1118.170
10173	9786571.793	12771109.727	1231.390	N43°07'31.14348"	W91°44'04.35533"	1.0000432594	0.999946010	0.999989267	0°41'41"	1131.614
10174	9786701.350	12789924.136	1134.610	N43°07'30.09180"	W91°39'50.66662"	1.0000432631	0.999950632	0.999993893	0°44'34"	1034.719
10265	9817471.062	12678295.108	1143.660	N43°12'45.52095"	W92°04'52.47419"	1.0000433209	0.999950194	0.999993512	0°27'27"	1043.921
10266	9802570.294	12678394.763	1196.850	N43°10'18.35162"	W92°04'52.73505"	1.0000430039	0.999947663	0.999990665	0°27'27"	1096.952
10267	9786083.302	12678594.213	1152.090	N43°07'35.50748"	W92°04'51.82072"	1.0000432444	0.999949808	0.999993051	0°27'27"	1051.992
10268	9768429.377	12678633.251	1123.430	N43°04'41.14982"	W92°04'53.19457"	1.0000441900	0.999951186	0.999995374	0°27'27"	1023.107
10301	9770005.694	12691600.807	1075.250	N43°04'55.65842"	W92°01'58.30330"	1.0000440842	0.999953480	0.999997563	0°29'26"	975.020
10302	9770344.491	12709315.114	1190.370	N43°04'57.43709"	W91°57'59.58512"	1.0000440716	0.999947984	0.999992053	0°32'10"	1090.236
10303	9770885.373	12726028.472	1028.890	N43°05'01.17311"	W91°54'14.32224"	1.0000440453	0.999955687	0.999999730	0°34'44"	928.774
10304	9770376.838	12742108.607	1092.850	N43°04'54.48946"	W91°50'37.73689"	1.0000440925	0.999952633	0.999996724	0°37'12"	992.775
10305	9770657.368	12761647.040	1163.790	N43°04'55.08778"	W91°46'14.44754"	1.0000440883	0.999949248	0.999993334	0°40'12"	1063.734
10306	9770777.608	12775263.677	1185.280	N43°04'54.66180"	W91°43'10.96884"	1.0000440913	0.999948223	0.999992313	0°42'17"	1085.208
10307	9770915.856	12789856.601	1171.360	N43°04'54.20711"	W91°39'54.33429"	1.0000440945	0.999948892	0.999992984	0°44'32"	1071.199
10308	9769184.888	12805736.834	1196.470	N43°04'35.02530"	W91°36'20.70106"	1.0000442361	0.999947705	0.999991939	0°46'58"	1096.070
10413	9849078.193	12678046.798	1182.390	N43°17'57.69183"	W92°04'52.41901"	1.0000456742	0.999948332	0.999994004	0°27'27"	1082.951
10414	9880945.040	12677984.557	1265.740	N43°23'12.40706"	W92°04'49.81603"	1.0000503623	0.999944355	0.999994715	0°27'29"	1166.307
10415	9911170.197	12677841.974	1185.360	N43°28'10.90950"	W92°04'48.47312"	1.0000569604	0.999948193	1.000005151	0°27'30"	1085.865
10500	9938301.188	12648688.871	1341.550	N43°32'40.95491"	W92°11'21.31139"	1.0000647366	0.999940746	1.000005478	0°23'01"	1241.984
10501	9938081.236	12668422.283	1336.850	N43°32'37.39144"	W92°06'53.43116"	1.0000646228	0.999940968	1.000005587	0°26'04"	1237.322

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10502	9936965.876	12711942.449	1339.870	N43°32'22.69657"	W91°57'02.76052"	1.0000641567	0.999940800	1.000004953	0°32'48"	1240.835
10503	9928284.579	12733962.387	1324.730	N43°30'54.78498"	W91°52'05.08938"	1.0000614744	0.999941515	1.000002986	0°36'12"	1225.859
10505	9926698.834	12822796.559	1107.270	N43°30'28.13474"	W91°32'00.05293"	1.0000606972	0.999951955	1.000012650	0°49'56"	1007.012
10506	9918001.736	12733319.564	1309.510	N43°29'13.30694"	W91°52'15.27657"	1.0000586046	0.999942243	1.000000844	0°36'05"	1210.601
10508	9874289.579	12750995.384	1180.770	N43°21'59.73560"	W91°48'22.22460"	1.0000490731	0.999948389	0.999997459	0°38'44"	1081.766
10509	9859754.448	12704289.996	1188.930	N43°19'40.90580"	W91°58'56.24903"	1.0000469554	0.999948005	0.999994958	0°31'31"	1089.808
10510	9848866.159	12702138.632	1207.870	N43°17'53.56932"	W91°59'26.68766"	1.0000456283	0.999947105	0.999992731	0°31'10"	1108.666
10512	9836199.482	12704411.968	1169.950	N43°15'48.27072"	W91°58'57.51866"	1.0000444212	0.999948920	0.999993339	0°31'30"	1070.611
10513	9922514.596	12679103.351	1265.980	N43°30'02.84038"	W92°04'30.12995"	1.0000599751	0.999944346	1.000004318	0°27'42"	1166.504
10517	9880204.948	12767965.559	1162.881	N43°22'56.19921"	W91°44'31.55373"	1.0000500640	0.999949249	0.999999311	0°41'22"	1063.724
10519	9763093.336	12640438.226	1154.090	N43°03'51.13827"	W92°13'28.24891"	1.0000445925	0.999949743	0.999994334	0°21'34"	1053.350
10524	9717003.717	12741080.243	1179.880	N42°56'07.47969"	W91°50'59.32203"	1.0000511063	0.999948499	0.999999602	0°36'57"	1079.429
10601	9857449.127	12748151.685	875.452	N43°19'13.74253"	W91°49'03.25513"	1.0000465939	0.999962949	1.000009541	0°38'16"	776.564
10602	9857750.823	12760084.047	1136.348	N43°19'15.37838"	W91°46'21.81292"	1.0000466152	0.999950504	0.999997117	0°40'07"	1037.419
10603	9851197.620	12748318.629	911.061	N43°18'11.98701"	W91°49'01.93889"	1.0000458368	0.999961249	1.000007084	0°38'17"	812.197
10604	9851220.154	12754663.953	892.238	N43°18'11.50267"	W91°47'36.13372"	1.0000458312	0.999962148	1.000007978	0°39'16"	793.354
10605	9851315.251	12760004.762	852.519	N43°18'11.83300"	W91°46'23.90049"	1.0000458350	0.999964045	1.000009878	0°40'05"	753.605
10608	9843653.569	12761288.151	870.045	N43°16'56.02158"	W91°46'07.76033"	1.0000450281	0.999963209	1.000008235	0°40'16"	771.125
13201	9923772.038	12802318.023	1219.320	N43°30'02.07793"	W91°36'38.42591"	1.0000599536	0.999946583	1.000006533	0°46'46"	1119.618
13208	9913064.833	12799776.582	1151.460	N43°28'16.68582"	W91°37'14.86015"	1.0000571087	0.999949816	1.000006922	0°46'21"	1051.850
13215	9897384.938	12799945.801	1100.060	N43°25'41.82510"	W91°37'15.43200"	1.0000534030	0.999952266	1.000005667	0°46'21"	1000.487
13222	9883634.373	12802767.156	1085.630	N43°23'25.66038"	W91°36'39.73837"	1.0000506108	0.999952958	1.000003566	0°46'45"	985.991
13229	9866902.183	12803837.270	802.120	N43°20'40.28382"	W91°36'28.33799"	1.0000478057	0.999966484	1.000014288	0°46'53"	702.468
13237	9850978.751	12804795.182	911.590	N43°18'02.90707"	W91°36'18.32228"	1.0000457330	0.999961261	1.000006992	0°47'00"	811.948
13247	9834228.174	12802408.783	1230.950	N43°15'17.81034"	W91°36'53.65887"	1.0000441834	0.999946023	0.999990204	0°46'36"	1131.340
13257	9818382.756	12805476.888	1191.890	N43°12'40.91754"	W91°36'15.13493"	1.0000433033	0.999947896	0.999991197	0°47'02"	1092.090
13266	9801455.911	12805586.740	1186.220	N43°09'53.74168"	W91°36'16.77733"	1.0000430005	0.999948174	0.999991172	0°47'01"	1086.248
13274	9786965.978	12804330.922	1040.090	N43°07'30.81445"	W91°36'36.38057"	1.0000432606	0.999955153	0.999998412	0°46'47"	939.967