

Cerro Gordo County and Mason City NA2011

Name: Cerro Gordo County, IA											
Coordinate System: US State Plane 1983											
Datum: NAD 83(NA2011)											
Zone: Iowa North 1401											
Geoid: GEOID12A (Conus)											
Vertical Datum: NAVD88											
Adjustment by: Gary G Brown 8/4/2013											
Point ID		Northing sft	Easting sft	Elevation sft	Latitude (Local)	Longitude (Local)	Ellipsoid Height	Projection Scale Factor	Height Scale Factor	Combined Scale Factor	Meridian Convergence Angle
5	G5	3920480.42	4921845.03	1263.39	N43°15'18.61324"	W93°29'51.95940"	1167.20	0.999997920	0.999944312	0.999942232	0°00'05"
11	G11	3899841.23	4921710.42	1222.73	N43°11'54.76311"	W93°29'53.78407"	1127.13	0.999988264	0.999946224	0.999934489	0°00'04"
16	G16	3889174.72	4921849.63	1246.23	N43°10'09.41001"	W93°29'51.90858"	1150.99	0.999983659	0.999945085	0.999928746	0°00'05"
22	G22	3867447.38	4921838.63	1240.90	N43°06'34.80612"	W93°29'52.06455"	1146.44	0.999975089	0.999945302	0.999920393	0°00'05"
30	G30	3847016.80	4921830.16	1246.96	N43°03'13.00681"	W93°29'52.18584"	1153.33	0.999968022	0.999944973	0.999912997	0°00'05"
33	G33	3836293.98	4921856.23	1254.78	N43°01'27.09288"	W93°29'51.83865"	1161.60	0.999964697	0.999944579	0.999909278	0°00'06"
38	G38	3825764.51	4921823.51	1226.21	N42°59'43.08781"	W93°29'52.28265"	1133.45	0.999961689	0.999945922	0.999907612	0°00'05"
41	G41	3815160.45	4921722.41	1252.18	N42°57'58.34517"	W93°29'53.64608"	1159.83	0.999958917	0.999944663	0.999903582	0°00'04"
44	G44	3804933.54	4921680.38	1268.60	N42°56'17.32709"	W93°29'54.21407"	1176.64	0.999956488	0.999943861	0.999900351	0°00'04"
49	G49	3794152.98	4921508.82	1267.76	N42°54'30.83946"	W93°29'56.52205"	1176.20	0.999954187	0.999943882	0.999898072	0°00'02"
50	G50	3910358.78	4921910.11	1270.43	N43°13'38.64375"	W93°29'51.08396"	1174.52	0.999993062	0.999943963	0.999937025	0°00'06"
51	G51	3878916.36	4921946.71	1262.28	N43°08'28.08726"	W93°29'50.60280"	1167.40	0.999979478	0.999944302	0.999923781	0°00'06"
101	G101	3794097.26	5048492.82	1090.83	N42°54'26.75844"	W93°01'30.19308"	991.19	0.999954105	0.999952708	0.999906815	0°19'19"
102	G102	3794067.32	5032586.29	1091.75	N42°54'27.29026"	W93°05'03.93300"	993.78	0.999954115	0.999952585	0.999906702	0°16'54"
103	G103	3796452.71	5017859.92	1105.61	N42°54'51.52022"	W93°08'21.67739"	1009.47	0.999954613	0.999951836	0.999906452	0°14'40"
104	G104	3795390.68	5001092.32	1090.54	N42°54'41.67502"	W93°12'07.06227"	996.28	0.999954409	0.999952466	0.999906877	0°12'07"
105	G105	3793978.42	4984991.67	1106.77	N42°54'28.22928"	W93°15'43.47822"	1013.94	0.999954134	0.999951623	0.999905759	0°09'41"
106	G106	3793959.41	4969099.69	1162.18	N42°54'28.42814"	W93°19'17.02480"	1070.30	0.999954138	0.999948934	0.999903075	0°07'16"
107	G107	3793997.43	4953381.21	1224.29	N42°54'29.07788"	W93°22'48.23923"	1132.88	0.999954152	0.999945948	0.999900102	0°04'53"
108	G108	3794604.96	4937583.26	1258.87	N42°54'35.24586"	W93°26'20.51699"	1167.55	0.999954277	0.999944295	0.999898574	0°02'29"
109	G109	3809935.30	4937400.70	1254.00	N42°57'06.67603"	W93°26'22.82319"	1162.34	0.999957644	0.999944543	0.999902190	0°02'27"
110	G110	3809971.03	4953443.56	1195.73	N42°57'06.85975"	W93°22'47.09610"	1104.19	0.999957649	0.999947318	0.999904969	0°04'53"
111	G110	3809654.71	4967921.01	1183.86	N42°57'03.48610"	W93°19'32.42822"	1092.06	0.999957568	0.999947896	0.999905466	0°07'05"
112	G112	3809749.57	4985055.04	1109.89	N42°57'04.01005"	W93°15'42.02937"	1017.27	0.999957580	0.999951465	0.999909047	0°09'41"
113	G113	3809838.47	5000611.76	1075.39	N42°57'04.40218"	W93°12'12.83934"	981.52	0.999957590	0.999953170	0.999910762	0°12'03"
114	G114	3809725.33	5016888.55	1130.40	N42°57'02.66306"	W93°08'33.97753"	1034.78	0.999957548	0.999950629	0.999908179	0°14'32"
115	G115	3809796.54	5032582.48	1117.41	N42°57'02.65766"	W93°05'02.94447"	1019.95	0.999957548	0.999951337	0.999908887	0°16'55"
116	G116	3824696.85	5032846.18	1183.79	N42°59'29.82267"	W93°04'58.41020"	1086.72	0.999961323	0.999948151	0.999909476	0°16'58"

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117	G117	3825415.48	5016914.53	1137.19	N42°59'37.64196"	W93°08'32.73587"	1041.97	0.999961538	0.999950286	0.999911826	0°14'32"
118	G118	3827697.72	5001108.63	1129.73	N43°00'00.79053"	W93°12'05.31009"	1036.14	0.999962183	0.999950564	0.999912749	0°12'08"
119	G119	3825530.38	4985119.23	1120.98	N42°59'39.88449"	W93°15'40.56692"	1028.49	0.999961600	0.999950929	0.999912531	0°09'42"
122	G122	3828527.88	4932529.80	1264.87	N43°00'10.35538"	W93°27'28.19703"	1172.55	0.999962453	0.999944056	0.999906511	0°01'43"
123	G123	3841569.63	4937404.12	1274.62	N43°02'19.14595"	W93°26'22.47317"	1182.09	0.999966298	0.999943601	0.999909901	0°02'27"
124	G124	3841466.17	4953594.46	1261.93	N43°02'17.95241"	W93°22'44.46076"	1169.92	0.999966261	0.999944182	0.999910444	0°04'55"
125	G125	3839649.32	4969339.60	1190.17	N43°01'59.72988"	W93°19'12.49487"	1098.19	0.999965693	0.999947604	0.999913299	0°07'19"
126	G126	3841483.35	4985233.33	1203.48	N43°02'17.45613"	W93°15'38.42387"	1111.06	0.999966245	0.999946990	0.999913237	0°09'44"
127	G127	3841050.42	5001115.89	1164.43	N43°02'12.68069"	W93°12'04.57739"	1071.05	0.999966096	0.999948899	0.999914996	0°12'09"
128	G128	3841294.82	5016936.38	1184.29	N43°02'14.48782"	W93°08'31.53727"	1089.43	0.999966152	0.999948022	0.999914176	0°14'33"
129	G129	3841627.89	5032747.25	1130.18	N43°02'17.06194"	W93°04'58.61739"	1033.55	0.999966233	0.999950688	0.999916922	0°16'58"
130	G130	3857938.13	5032614.77	1149.86	N43°04'58.16879"	W93°04'59.31831"	1053.69	0.999971585	0.999949727	0.999921314	0°16'57"
131	G131	3856604.39	5016923.52	1181.30	N43°04'45.70552"	W93°08'30.83723"	1086.77	0.999971149	0.999948149	0.999919300	0°14'34"
132	G132	3857664.73	5001039.85	1208.99	N43°04'56.78814"	W93°12'04.81087"	1115.82	0.999971537	0.999946763	0.999918301	0°12'09"
133	G133	3857842.76	4985064.34	1214.94	N43°04'59.04822"	W93°15'40.07699"	1122.52	0.999971616	0.999946444	0.999918061	0°09'43"
134	G134	3857823.26	4970574.26	1185.69	N43°04'59.21415"	W93°18'55.33632"	1093.47	0.999971622	0.999947829	0.999919453	0°07'30"
135	G135	3859024.04	4953725.04	1259.04	N43°05'11.37597"	W93°22'42.36248"	1166.56	0.999972051	0.999944342	0.999916395	0°04'57"
136	G136	3857699.36	4938279.80	1292.14	N43°04'58.45894"	W93°26'10.51778"	1199.07	0.999971595	0.999942791	0.999914388	0°02'36"
137	G137	3877589.43	4937775.86	1246.78	N43°08'14.92135"	W93°26'17.11213"	1152.93	0.999978952	0.999944993	0.999923946	0°02'31"
138	G138	3873209.53	4953681.82	1224.21	N43°07'31.48997"	W93°22'42.67025"	1131.30	0.999977247	0.999946025	0.999923273	0°04'56"
139	G139	3873668.39	4969340.67	1182.99	N43°07'35.74632"	W93°19'11.50440"	1090.46	0.999977412	0.999947973	0.999925387	0°07'20"
140	G140	3873683.21	4985005.79	1188.34	N43°07'35.50927"	W93°15'40.26294"	1095.80	0.999977403	0.999947718	0.999925122	0°09'43"
141	G141	3873452.66	5000848.80	1182.76	N43°07'32.73510"	W93°12'06.63501"	1089.69	0.999977296	0.999948010	0.999925306	0°12'07"
142	G142	3873609.36	5016885.28	1082.86	N43°07'33.66796"	W93°08'30.38150"	988.63	0.999977332	0.999952831	0.999930164	0°14'34"
143	G143	3873809.94	5032655.83	1094.38	N43°07'34.93463"	W93°04'57.70929"	998.62	0.999977381	0.999952355	0.999929737	0°16'58"
144	G144	3889450.18	5032475.00	1131.03	N43°10'09.42186"	W93°04'59.10765"	1035.66	0.999983660	0.999950587	0.999934248	0°16'57"
145	G145	3889360.56	5016400.43	1117.64	N43°10'09.26316"	W93°08'36.02334"	1023.66	0.999983653	0.999951160	0.999934814	0°14'30"
146	G146	3889357.83	5000270.71	1126.00	N43°10'09.85132"	W93°12'13.67891"	1032.94	0.999983678	0.999950718	0.999934396	0°12'03"
147	G147	3889439.33	4985159.96	1150.81	N43°10'11.12923"	W93°15'37.58196"	1058.06	0.999983732	0.999949519	0.999933252	0°09'44"
148	G148	3889371.77	4969324.09	1207.95	N43°10'10.85025"	W93°19'11.27657"	1115.05	0.999983720	0.999946800	0.999930521	0°07'20"
149	G149	3890520.16	4953605.32	1231.16	N43°10'22.46981"	W93°22'43.36687"	1137.69	0.999984216	0.999945720	0.999929937	0°04'56"
150	G150	3892045.87	4937701.52	1222.90	N43°10'37.70921"	W93°26'17.97262"	1128.52	0.999984871	0.999946158	0.999931029	0°02'30"
151	G151	3905367.28	4936614.96	1265.58	N43°12'49.29176"	W93°26'32.51412"	1170.65	0.999990751	0.999944148	0.999934899	0°02'21"
152	G152	3905144.71	4953830.14	1217.51	N43°12'46.91260"	W93°22'40.04763"	1123.54	0.999990641	0.999946395	0.999937037	0°04'58"
153	G153	3905196.91	4969257.16	1196.65	N43°12'47.15571"	W93°19'11.72495"	1103.31	0.999990652	0.999947360	0.999938013	0°07'19"
154	G154	3900029.61	4979598.66	1159.18	N43°11'55.87792"	W93°16'52.25735"	1066.20	0.999988315	0.999949131	0.999937446	0°08'54"
155	G155	3905206.78	5000930.83	1145.14	N43°12'46.36706"	W93°12'04.01500"	1051.96	0.999990616	0.999949810	0.999940426	0°12'09"
156	G156	3904137.71	5016883.89	1182.90	N43°12'35.19519"	W93°08'28.65352"	1089.01	0.999990101	0.999948043	0.999938144	0°14'35"

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157	G157	3905379.54	5033720.97	1125.22	N43°12'46.69275"	W93°04'41.22180"	1030.08	0.999990631	0.999950854	0.999941485	0°17'09"
158	G158	3920931.91	5046664.75	1221.29	N43°15'19.62369"	W93°01'45.26637"	1125.46	0.999997970	0.999946304	0.999944274	0°19'09"
159	G159	3919810.44	5032216.89	1144.50	N43°15'09.29616"	W93°05'00.57214"	1049.78	0.999997457	0.999949914	0.999947371	0°16'56"
160	G160	3920640.03	5017571.34	1164.84	N43°15'18.15539"	W93°08'18.41803"	1071.04	0.999997897	0.999948900	0.999946797	0°14'42"
161	G161	3920539.28	5000970.71	1156.00	N43°15'17.80108"	W93°12'02.74368"	1062.69	0.999997879	0.999949298	0.999947178	0°12'10"
162	G162	3919518.19	4985063.31	1199.85	N43°15'08.21674"	W93°15'37.73621"	1106.51	0.999997404	0.999947208	0.999944611	0°09'44"
163	G163	3920423.00	4968045.55	1168.43	N43°15'17.56603"	W93°19'27.65889"	1074.56	0.999997868	0.999948732	0.999946600	0°07'09"
164	G164	3918346.30	4953775.70	1227.13	N43°14'57.30313"	W93°22'40.52534"	1132.67	0.999996864	0.999945959	0.999942824	0°04'58"
165	G165	3919883.24	4937794.97	1234.57	N43°15'12.65504"	W93°26'16.43541"	1139.19	0.999997624	0.999945649	0.999943273	0°02'32"
166	G27 RESET	3858420.41	4921880.59	1257.74	N43°05'05.64425"	W93°29'51.50236"	1163.64	0.999971848	0.999944482	0.999916331	0°00'06"
167	G120 RESET	3825634.38	4968635.33	1171.78	N42°59'41.31219"	W93°19'22.37281"	1079.92	0.999961640	0.999948475	0.999910117	0°07'12"
168	G121 RESET	3824891.39	4953607.88	1206.52	N42°59'34.23494"	W93°22'44.59940"	1114.80	0.999961444	0.999946811	0.999908258	0°04'55"
301	G301	3905426.16	5048195.35	1157.06	N43°12'46.39384"	W93°01'25.76406"	1060.67	0.999990617	0.999949394	0.999940012	0°19'22"
302	G302	3889566.76	5050831.08	1146.80	N43°10'09.60550"	W93°00'51.40310"	1049.73	0.999983668	0.999949916	0.999933585	0°19'45"
303	G303	3873781.75	5048532.25	1079.93	N43°07'33.82695"	W93°01'23.62461"	982.59	0.999977338	0.999953120	0.999930459	0°19'23"
304	G304	3858136.26	5048515.99	1034.32	N43°04'59.29594"	W93°01'25.03276"	936.49	0.999971625	0.999955319	0.999926945	0°19'22"
305	G305	3841854.93	5048410.58	1050.59	N43°02'18.48761"	W93°01'27.68745"	952.30	0.999966277	0.999954564	0.999920843	0°19'21"
306	G306	3825826.88	5048730.97	1111.73	N42°59'40.15517"	W93°01'24.58988"	1012.98	0.999961608	0.999951669	0.999913278	0°19'23"
307	G307	3809924.39	5048537.43	1095.53	N42°57'03.08974"	W93°01'28.39756"	996.37	0.999957558	0.999952462	0.999910022	0°19'20"
401	MC 1	3873608.32	4998344.64	1188.95	N43°07'34.35841"	W93°12'40.39532"	1096.01	0.999977359	0.999947708	0.999925068	0°11'45"
402	MC2	3876221.95	4985204.60	1185.08	N43°08'00.57915"	W93°15'37.48504"	1092.52	0.999978384	0.999947875	0.999926260	0°09'45"
403	MC3	3876266.25	4990522.66	1176.48	N43°08'00.86163"	W93°14'25.76236"	1083.81	0.999978395	0.999948290	0.999926687	0°10'33"
405	MC5	3876334.99	5001678.30	1160.79	N43°08'01.17512"	W93°11'55.31099"	1067.68	0.999978408	0.999949060	0.999927469	0°12'15"
406	MC6	3874943.14	5006387.73	1130.00	N43°07'47.25710"	W93°10'51.86914"	1036.60	0.999977861	0.999950542	0.999928405	0°12'58"
407	MC7	3877689.19	5012924.58	1081.45	N43°08'14.12711"	W93°09'23.56640"	987.61	0.999978920	0.999952880	0.999931801	0°13'58"
408	MC8	3881617.02	5021934.88	1113.91	N43°08'52.54303"	W93°07'21.80791"	1019.37	0.999980465	0.999951365	0.999931830	0°15'21"
409	MC9	3881762.50	5018206.94	1109.50	N43°08'54.14121"	W93°08'12.08694"	1015.28	0.999980530	0.999951560	0.999932090	0°14'46"
410	MC10	3881765.09	5011584.84	1069.66	N43°08'54.43830"	W93°09'41.41552"	975.95	0.999980542	0.999953436	0.999933979	0°13'46"
411	MC11	3883060.24	5005758.92	1093.86	N43°09'07.45350"	W93°10'59.93880"	1000.53	0.999981074	0.999952263	0.999933338	0°12'53"
412	MC12	3881636.25	5001014.77	1112.79	N43°08'53.55936"	W93°12'04.00681"	1019.71	0.999980506	0.999951349	0.999931856	0°12'09"
414	MC14	3882158.20	4990427.85	1152.23	N43°08'59.05985"	W93°14'26.79733"	1059.51	0.999980730	0.999949450	0.999930181	0°10'32"
415	MC15	3881840.61	4985080.92	1167.03	N43°08'56.07862"	W93°15'38.93867"	1074.39	0.999980609	0.999948740	0.999929349	0°09'44"
416	MC16	3881888.98	4979925.86	1160.96	N43°08'56.69465"	W93°16'48.47691"	1068.35	0.999980634	0.999949028	0.999929663	0°08'56"
417	MC17	3886826.08	4986411.86	1162.20	N43°09'45.28280"	W93°15'20.79052"	1069.48	0.999982642	0.999948974	0.999931616	0°09'56"
418	MC18	3885389.92	4990413.82	1156.52	N43°09'30.98004"	W93°14'26.85295"	1063.77	0.999982045	0.999949247	0.999931292	0°10'32"
419	MC19	3886884.14	4994342.67	1130.64	N43°09'45.61619"	W93°13'33.78056"	1037.78	0.999982656	0.999950486	0.999933143	0°11'08"
420	MC20	3891944.98	5003607.77	1106.83	N43°10'35.28664"	W93°11'28.52084"	1013.62	0.999984766	0.999951639	0.999936406	0°12'33"
421	MC21	3886983.86	5011136.37	1091.50	N43°09'46.00185"	W93°09'47.18453"	997.86	0.999982672	0.999952391	0.999935064	0°13'42"

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422	MC22	3887646.41	5016850.25	1113.12	N43°09'52.31380"	W93°08'30.05161"	1019.08	0.999982937	0.999951379	0.999934316	0°14'34"
423	MC23	3886708.13	5021851.24	1142.83	N43°09'42.83156"	W93°07'22.62979"	1048.38	0.999982539	0.999949981	0.999932520	0°15'20"
424	MC24	3892018.07	4990600.67	1147.03	N43°10'36.44061"	W93°14'24.05699"	1054.19	0.999984816	0.999949704	0.999934520	0°10'34"
425	MC13 RESET	3881595.22	4994665.16	1128.63	N43°08'53.36700"	W93°13'29.66151"	1035.80	0.999980498	0.999950581	0.999931080	0°11'11"
426	MC4 RESET	3875457.09	4995689.08	1164.63	N43°07'52.70697"	W93°13'16.12256"	1071.80	0.999978075	0.999948863	0.999926939	0°11'20"
501	41 1	3873362.30	4920757.28	1266.00	N43°07'33.22899"	W93°30'06.64418"	1171.25	0.999977315	0.999944119	0.999921435	-0°00'05"
505	AIR	3882311.49	4964959.87	1194.63	N43°09'01.20323"	W93°20'10.35288"	1101.81	0.999980818	0.999947432	0.999928250	0°06'40"
508	A 29	3732675.31	4974749.43	1210.48	N42°44'22.94202"	W93°18'03.04726"	1117.10	0.999946156	0.999946701	0.999892860	0°08'06"
509	SHEFFIELD	3788659.68	4997336.68	1077.17	N42°53'35.31562"	W93°12'57.83476"	983.13	0.999953094	0.999953093	0.999906189	0°11'33"
510	BEANS	3851971.75	5002889.60	1214.90	N43°04'00.49176"	W93°11'40.16248"	1121.53	0.999969599	0.999946491	0.999916091	0°12'25"
513	J 35	3895984.97	4999293.83	1130.95	N43°11'15.34091"	W93°12'26.55137"	1037.88	0.999986511	0.999950482	0.999936993	0°11'54"
514	N 40	3950068.25	5086712.02	1192.45	N43°20'04.82996"	W92°52'41.22729"	1094.68	1.000013135	0.999947772	0.999960907	0°25'17"
515	B 36	3877043.72	5043203.50	1118.65	N43°08'06.33609"	W93°02'35.24260"	1021.91	0.999978612	0.999951243	0.999929856	0°18'35"
517	HILL ET	3782886.06	5022057.16	1110.99	N42°52'37.33196"	W93°07'26.08326"	1013.86	0.999952029	0.999951627	0.999903658	0°15'18"
521	MASON CITY	3883300.63	5000667.00	1136.05	N43°09'10.01060"	W93°12'08.61901"	1042.99	0.999981178	0.999950238	0.999931417	0°12'06"
522	9 SAN 1972	3926809.17	4927192.16	1216.63	N43°16'21.11287"	W93°28'39.68167"	1120.50	1.000001077	0.999946541	0.999947617	0°00'54"
523	SAN 36 1972	3780311.14	4926943.07	1266.74	N42°52'14.10506"	W93°28'43.54591"	1175.74	0.999951624	0.999943904	0.999895531	0°00'52"