

GREENE COUNTY, IOWA GPS PROJECT

HORIZONTAL DATUM: IOWA HARN, NAD 83(1996) IOWA NORTH ZONE
 VERTICAL DATUM: NAVD 88 (GPS DERIVED, GEOID 99, ELEVATIONS)

Name	Number	SP North US Feet	SP East US Feet	Elevation US Feet	SP North Meters	SP East Meters	Elevation Meters	Scale Factor	Convergence Angle	
863031	3	6066	3540571.99	4678674.56	1111.53	1079168.500	1426062.859	338.80	0.99997718	-0° 36' 24.64"
863034	3	6067	3540504.39	4693818.77	1108.77	1079147.896	1430678.821	337.96	0.99997714	-0° 34' 08.25"
862931	3	6073	3540467.62	4709619.95	1125.84	1079136.689	1435495.031	343.16	0.99997710	-0° 31' 45.95"
862934	3	6074	3540390.45	4725427.84	1137.42	1079113.168	1440313.285	346.69	0.99997708	-0° 29' 23.59"
862936	2	6081	3540299.71	4740503.76	1152.57	1079085.511	1444908.436	351.30	0.99997706	-0° 27' 07.81"
853103	4	A001	3540762.11	4662339.51	1120.50	1079226.450	1421083.924	341.53	0.99997718	-0° 38' 51.76"
853106	4	A002	3540931.66	4646830.58	1122.16	1079278.128	1416356.794	342.03	0.99997718	-0° 41' 11.44"
853204	1	A003	3541180.04	4630393.25	1114.61	1079353.836	1411346.686	339.73	0.99997716	-0° 43' 39.49"
853206	4	A004	3541405.18	4615481.96	1194.23	1079422.458	1406801.715	364.00	0.99997715	-0° 45' 53.80"
853218	3	A005	3525721.36	4615229.14	1095.36	1074642.021	1406724.655	333.87	0.99998339	-0° 45' 54.19"
853215	3	A006	3525454.96	4630878.09	1143.72	1074560.822	1411494.466	348.61	0.99998342	-0° 43' 33.33"
853119	4	A007	3525193.25	4646670.23	1139.83	1074481.051	1416307.919	347.42	0.99998345	-0° 41' 11.19"
853116	2	A008	3525083.04	4661801.79	1098.29	1074447.459	1420920.029	334.76	0.99998342	-0° 38' 55.01"
853019	4	A009	3524793.60	4678071.88	1092.07	1074359.237	1425879.160	332.86	0.99998347	-0° 36' 28.56"
853021	1	A010	3524637.35	4693666.16	1086.90	1074311.612	1430632.307	331.29	0.99998347	-0° 34' 08.21"
853024	1	A011	3524466.65	4709427.90	1092.24	1074259.582	1435436.496	332.92	0.99998347	-0° 31' 46.35"
852916	2	A012	3524500.76	4725069.14	1119.55	1074269.979	1440203.956	341.24	0.99998340	-0° 29' 25.60"
852913	2	A013	3524376.69	4740996.64	1127.81	1074232.163	1445058.667	343.76	0.99998340	-0° 27' 02.25"
852936	2	A014	3508539.76	4740906.46	1126.64	1069405.057	1445031.179	343.40	0.99999027	-0° 27' 01.94"
852934	3	A015	3508773.20	4725152.64	1094.11	1069476.209	1440229.404	333.48	0.99999022	-0° 29' 23.63"
853036	2	A016	3508797.27	4709281.21	1081.04	1069483.545	1435391.783	329.50	0.99999027	-0° 31' 46.37"
843003	4	A017	3508866.20	4693646.34	1083.07	1069504.556	1430626.266	330.12	0.99999031	-0° 34' 06.98"
853031	3	A018	3509130.17	4677874.45	1077.90	1069585.014	1425818.985	328.55	0.99999026	-0° 36' 28.84"
843104	1	A019	3509278.63	4661757.92	1127.33	1069630.267	1420906.656	343.61	0.99999028	-0° 38' 53.79"
853131	3	A020	3509525.22	4646438.27	1135.87	1069705.425	1416237.216	346.21	0.99999025	-0° 41' 11.59"
843204	1	A021	3509381.53	4630602.11	1099.88	1069661.630	1411410.346	335.24	0.99999040	-0° 43' 33.98"
853231	3	A022	3509959.66	4615005.92	1121.81	1069837.845	1406656.618	341.93	0.99999023	-0° 45' 54.30"
843219	4	A023	3493440.76	4615002.51	1096.46	1064802.872	1406655.578	334.20	0.99999800	-0° 45' 52.35"
843216	2	A024	3493414.98	4630254.77	1127.98	1064795.014	1411304.476	343.81	0.99999791	-0° 43' 35.29"
843213	2	A025	3493061.27	4645817.08	1128.54	1064687.203	1416047.878	343.98	0.99999799	-0° 41' 15.40"
843121	1	A026	3492912.48	4661547.39	1076.00	1064641.855	1420842.486	327.97	0.99999798	-0° 38' 54.02"

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Name	Number	SP North US Feet	SP East US Feet	Elevation US Feet	SP North Meters	SP East Meters	Elevation Meters	Scale Factor	Convergence Angle	
843124	1	A027	3492685.96	4675988.80	1084.27	1064572.810	1425244.235	330.49	0.99999801	-0° 36' 44.22"
843016	2	A028	3492675.17	4693259.70	1092.80	1064569.522	1430508.417	333.09	0.99999793	-0° 34' 09.01"
842918	3	A029	3492366.84	4710367.59	1078.39	1064475.541	1435722.912	328.69	0.99999800	-0° 31' 35.24"
842916	2	A030	3492355.44	4724944.54	1046.00	1064472.066	1440165.977	318.82	0.99999794	-0° 29' 24.24"
842913	2	A031	3492226.95	4740443.44	1048.16	1064432.905	1444890.051	319.48	0.99999794	-0° 27' 04.95"
842936	2	A032	3476439.86	4740638.76	1013.18	1059620.988	1444949.583	308.82	1.00000594	-0° 27' 02.08"
842933	2	A033	3476725.15	4724482.50	1031.01	1059707.944	1440025.145	314.25	1.00000586	-0° 29' 27.19"
843036	2	A034	3476747.25	4709042.52	1006.43	1059714.680	1435319.029	306.76	1.00000592	-0° 31' 45.85"
843033	2	A035	3476831.61	4692996.26	1006.43	1059740.393	1430428.120	306.76	1.00000595	-0° 34' 09.97"
843136	2	A036	3477065.57	4677263.42	1047.80	1059811.704	1425632.743	319.37	1.00000592	-0° 36' 31.28"
843134	3	A037	3477260.23	4661661.88	1062.59	1059871.039	1420877.382	323.88	1.00000590	-0° 38' 51.40"
843131	3	A038	3477432.91	4646048.76	1114.26	1059923.670	1416118.494	339.63	1.00000591	-0° 41' 11.63"
843233	2	A039	3477574.07	4630222.40	1173.60	1059966.695	1411294.611	357.71	1.00000594	-0° 43' 33.77"
833206	4	A040	3477713.50	4614558.02	1108.83	1060009.196	1406520.096	337.97	1.00000597	-0° 45' 54.46"
833218	3	A041	3462844.05	4614322.15	1169.42	1055476.979	1406448.205	356.44	1.00001402	-0° 45' 54.79"
833215	3	A042	3462670.37	4630209.19	1193.78	1055424.039	1411290.584	363.87	1.00001400	-0° 43' 32.20"
833118	3	A043	3462854.85	4645977.24	1161.33	1055480.268	1416096.696	353.98	1.00001379	-0° 41' 10.71"
833116	2	A044	3462427.89	4661640.22	1111.58	1055350.132	1420870.782	338.81	1.00001393	-0° 38' 50.09"
833124	1	A045	3461960.02	4676989.15	1078.23	1055207.524	1425549.144	328.64	1.00001409	-0° 36' 32.30"
833015	3	A046	3462551.78	4693346.00	1045.86	1055387.892	1430534.721	318.78	1.00001367	-0° 34' 05.55"
833024	1	A047	3461325.75	4709047.99	1044.71	1055014.199	1435320.699	318.43	1.00001427	-0° 31' 44.53"
832915	3	A048	3461586.13	4724839.87	1048.99	1055093.561	1440134.074	319.73	1.00001405	-0° 29' 22.82"
TT 13	B	A049	3461446.61	4740760.17	1059.26	1055051.038	1444986.590	322.86	1.00001405	-0° 26' 59.93"
832936	2	A050	3445629.36	4740459.24	1030.17	1050229.930	1444894.866	314.00	1.00002317	-0° 27' 01.51"
822904	1	A051	3445079.21	4724691.25	1101.51	1050062.242	1440088.774	335.74	1.00002357	-0° 29' 22.89"
833036	2	A052	3446264.05	4707256.94	1065.80	1050423.383	1434774.786	324.86	1.00002296	-0° 31' 59.34"
823004	1	A053	3445784.37	4693228.76	1060.51	1050277.177	1430498.987	323.24	1.00002332	-0° 34' 05.11"
833031	3	A054	3446237.01	4678438.18	1104.44	1050415.141	1425990.810	336.63	1.00002315	-0° 36' 17.80"
823104	1	A055	3446405.22	4661599.74	1142.79	1050466.412	1420858.441	348.32	1.00002315	-0° 38' 48.83"
833131	3	A056	3446705.82	4645783.08	1171.54	1050558.034	1416037.516	357.09	1.00002309	-0° 41' 10.71"
823203	4	A057	3446796.52	4630006.12	1133.33	1050585.680	1411228.688	345.44	1.00002315	-0° 43' 32.22"

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823301	1	A058	3446703.64	4613994.89	1145.33	1050557.370	1406348.455	349.10	1.00002333	-0° 45' 55.79"
823324	1	A059	3430400.17	4613701.51	1212.67	1045588.064	1406259.033	369.62	1.00003332	-0° 45' 56.47"
823221	1	A060	3430837.35	4628886.58	1126.90	1045721.316	1410887.451	343.48	1.00003292	-0° 43' 40.44"
823118	3	A061	3430670.53	4645949.81	1195.54	1045670.469	1416088.333	364.40	1.00003290	-0° 41' 07.50"
823116	2	A062	3430507.64	4661415.79	1143.04	1045620.819	1420802.376	348.40	1.00003288	-0° 38' 48.87"
823113	2	A063	3430316.00	4677153.90	1124.00	1045562.408	1425599.359	342.60	1.00003290	-0° 36' 27.81"
823022	4	A064	3429915.43	4693120.32	1058.55	1045440.314	1430465.935	322.65	1.00003305	-0° 34' 04.67"
822918	3	A065	3431410.60	4710202.96	957.42	1045896.043	1435672.733	291.82	1.00003200	-0° 31' 31.70"
822916	2	A066	3429811.09	4724614.28	1059.71	1045408.512	1440065.313	323.00	1.00003293	-0° 29' 22.41"
822924	1	A067	3429718.88	4740337.83	1077.07	1045380.406	1444857.859	328.29	1.00003291	-0° 27' 01.48"
822936	2	A068	3415222.00	4740215.34	992.43	1040961.747	1444820.526	302.49	1.00004228	-0° 27' 01.56"
822934	3	A069	3414064.35	4724620.68	1003.73	1040608.896	1440067.262	305.94	1.00004313	-0° 29' 21.15"
823036	2	A070	3414132.36	4708263.97	1064.97	1040629.623	1435081.728	324.60	1.00004318	-0° 31' 47.65"
823033	2	A071	3414279.71	4692618.22	1064.04	1040674.536	1430312.895	324.32	1.00004318	-0° 34' 07.78"
823136	2	A072	3414489.93	4677009.97	1114.05	1040738.613	1425555.491	339.56	1.00004315	-0° 36' 27.59"
823133	2	A073	3414703.04	4661215.11	1098.95	1040803.569	1420741.206	334.96	1.00004312	-0° 38' 49.07"
823236	2	A074	3414899.85	4644416.94	1130.63	1040863.556	1415621.116	344.62	1.00004312	-0° 41' 19.54"
823233	2	A075	3415083.38	4629420.76	1139.51	1040919.496	1411050.268	347.32	1.00004312	-0° 43' 33.86"
823231	3	A076	3415174.98	4613804.29	1162.90	1040947.416	1406290.361	354.45	1.00004320	-0° 45' 53.73"
852920	1	A077	3523031.85	4717224.82	1094.83	1073822.256	1437813.002	333.70	0.99998404	-0° 30' 36.07"
833006	2	A078	3473562.49	4681361.30	1060.74	1058743.964	1426881.779	323.31	1.00000774	-0° 35' 54.15"
833008	4	A079	3469896.45	4683688.14	1074.71	1057626.553	1427591.000	327.57	1.00000970	-0° 35' 32.91"
853120	2	A080	3520262.30	4655344.29	1115.63	1072978.096	1418951.778	340.05	0.99998548	-0° 39' 52.62"
833017	4	A081	3465165.95	4682848.29	1058.11	1056184.693	1427335.013	322.51	1.00001228	-0° 35' 40.01"
833112	2	A082	3468558.89	4677482.85	1055.56	1057218.864	1425699.623	321.74	1.00001046	-0° 36' 28.49"
833006	1	A083	3476715.00	4682581.07	1053.41	1059704.852	1427253.566	321.08	1.00000607	-0° 35' 43.49"
822910	1	A084	3438880.31	4729744.34	1080.35	1048172.814	1441628.959	329.29	1.00002728	-0° 28' 37.11"
833211	2	A085	3467950.80	4638185.31	1169.78	1057033.517	1413721.709	356.55	1.00001103	-0° 42' 21.20"
ALLEN		ALEN	3551790.83	4604362.49	1242.15	1082588.009	1403412.495	378.61	0.99997338	-0° 47' 35.22"
D 3		D003	3545493.88	4772847.01	1134.22	1080668.697	1454766.678	345.71	0.99997504	-0° 22' 16.84"
D 102 eccentric		D102	3462934.14	4685486.20	1044.91	1055504.437	1428139.050	318.49	1.00001350	-0° 35' 16.13"

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Name	Number	SP North US Feet	SP East US Feet	Elevation US Feet	SP North Meters	SP East Meters	Elevation Meters	Scale Factor	Convergence Angle
A 89 eccentric	EA89	3474704.50	4720610.35	1031.75	1059092.049	1438844.911	314.48	1.00000694	-0° 30' 01.81"
ET 1 HK	ET01	3556339.48	4683263.30	1121.90	1083974.442	1427461.508	341.96	0.99997144	-0° 35' 44.79"
G 89	G089	3471422.31	4674808.80	1066.39	1058091.637	1424884.573	325.04	1.00000892	-0° 36' 52.78"
JEFFPORT	JEFF	3468088.51	4692011.52	1039.50	1057075.493	1430127.972	316.84	1.00001063	-0° 34' 18.03"
JEFFPORT AZ MK	JFAZ	3466787.42	4692959.43	1041.12	1056678.919	1430416.895	317.33	1.00001133	-0° 34' 09.40"
M 89 eccentric	M089	3472747.90	4637247.45	1177.66	1058495.676	1413435.851	358.95	1.00000845	-0° 42' 30.15"
M 102	M102	3393440.79	4688679.79	1090.31	1034322.820	1429112.460	332.33	1.00005758	-0° 34' 41.17"
S 101	S101	3521202.85	4655553.94	1119.85	1073264.776	1419015.679	341.33	0.99998508	-0° 39' 50.83"
U 88	U088	3477315.81	4761867.02	1044.16	1059887.978	1451419.970	318.26	1.00000540	-0° 23' 51.49"
W 89	W089	3485924.16	4572634.84	1200.91	1062511.809	1393741.887	366.04	1.00000204	-0° 52' 12.04"
W 100 RESET	W100	3347309.50	4553743.55	1394.17	1020261.975	1387983.810	424.95	1.00009430	-0° 54' 41.93"
W 101	W101	3491941.87	4665037.19	1072.03	1064346.012	1421906.179	326.76	0.99999843	-0° 38' 22.56"
X 3	X003	3382261.71	4771655.01	1026.36	1030915.430	1454403.357	312.84	1.00006518	-0° 22' 18.04"

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Name	Number	Latitude	Longitude	Ellipsoid Height(m)	SP North Meters	SP East Meters	Elevation Meters	SCALE FACTOR	CONVERGENCE ANGLE	
863031	3	6066	N 42° 12' 33.17557"	W 94° 23' 43.40237"	311.366	1079168.500	1426062.859	338.80	0.99997718	-0° 36' 24.64"
863034	3	6067	N 42° 12' 34.04287"	W 94° 20' 22.16720"	310.757	1079147.896	1430678.821	337.96	0.99997714	-0° 34' 08.25"
862931	3	6073	N 42° 12' 35.17588"	W 94° 16' 52.20477"	316.066	1079136.689	1435495.031	343.16	0.99997710	-0° 31' 45.95"
862934	3	6074	N 42° 12' 35.80265"	W 94° 13' 22.14658"	319.718	1079113.168	1440313.285	346.69	0.99997708	-0° 29' 23.59"
862936	2	6081	N 42° 12' 36.13065"	W 94° 10' 01.81209"	324.403	1079085.511	1444908.436	351.30	0.99997706	-0° 27' 07.81"
853103	4	A001	N 42° 12' 33.28698"	W 94° 27' 20.47729"	313.939	1079226.450	1421083.924	341.53	0.99997718	-0° 38' 51.76"
853106	4	A002	N 42° 12' 33.17797"	W 94° 30' 46.57216"	314.218	1079278.128	1416356.794	342.03	0.99997718	-0° 41' 11.44"
853204	1	A003	N 42° 12' 33.62769"	W 94° 34' 25.01573"	311.666	1079353.836	1411346.686	339.73	0.99997716	-0° 43' 39.49"
853206	4	A004	N 42° 12' 33.93295"	W 94° 37' 43.17964"	335.715	1079422.458	1406801.715	364.00	0.99997715	-0° 45' 53.80"
853218	3	A005	N 42° 09' 58.97651"	W 94° 37' 43.75613"	305.756	1074642.021	1406724.655	333.87	0.99998339	-0° 45' 54.19"
853215	3	A006	N 42° 09' 58.35642"	W 94° 34' 15.92629"	320.735	1074560.822	1411494.466	348.61	0.99998342	-0° 43' 33.33"
853119	4	A007	N 42° 09' 57.69397"	W 94° 30' 46.19729"	319.785	1074481.051	1416307.919	347.42	0.99998345	-0° 41' 11.19"
853116	2	A008	N 42° 09' 58.34679"	W 94° 27' 25.26345"	307.330	1074447.459	1420920.029	334.76	0.99998342	-0° 38' 55.01"
853019	4	A009	N 42° 09' 57.25007"	W 94° 23' 49.18580"	305.627	1074359.237	1425879.160	332.86	0.99998347	-0° 36' 28.56"
853021	1	A010	N 42° 09' 57.28873"	W 94° 20' 22.10129"	304.193	1074311.612	1430632.307	331.29	0.99998347	-0° 34' 08.21"
853024	1	A011	N 42° 09' 57.09508"	W 94° 16' 52.79145"	305.936	1074259.582	1435436.496	332.92	0.99998347	-0° 31' 46.35"
852916	2	A012	N 42° 09' 58.80738"	W 94° 13' 25.10541"	314.340	1074269.979	1440203.956	341.24	0.99998340	-0° 29' 25.60"
852913	2	A013	N 42° 09' 58.87392"	W 94° 09' 53.59870"	316.892	1074232.163	1445058.667	343.76	0.99998340	-0° 27' 02.25"
852936	2	A014	N 42° 07' 22.42217"	W 94° 09' 53.14258"	316.502	1069405.057	1445031.179	343.40	0.99999027	-0° 27' 01.94"
852934	3	A015	N 42° 07' 23.45096"	W 94° 13' 22.21108"	306.593	1069476.209	1440229.404	333.48	0.99999022	-0° 29' 23.63"
853036	2	A016	N 42° 07' 22.29387"	W 94° 16' 52.81629"	302.570	1069483.545	1435391.783	329.50	0.99999027	-0° 31' 46.37"
843003	4	A017	N 42° 07' 21.49466"	W 94° 20' 20.28616"	303.111	1069504.556	1430626.266	330.12	0.99999031	-0° 34' 06.98"
853031	3	A018	N 42° 07' 22.50245"	W 94° 23' 49.60010"	301.417	1069585.014	1425818.985	328.55	0.99999026	-0° 36' 28.84"
843104	1	A019	N 42° 07' 22.22360"	W 94° 27' 23.47155"	316.323	1069630.267	1420906.656	343.61	0.99999028	-0° 38' 53.79"
853131	3	A020	N 42° 07' 22.89652"	W 94° 30' 46.78434"	318.735	1069705.425	1416237.216	346.21	0.99999025	-0° 41' 11.59"
843204	1	A021	N 42° 07' 19.54865"	W 94° 34' 16.88596"	307.540	1069661.630	1411410.346	335.24	0.99999040	-0° 43' 33.98"
853231	3	A022	N 42° 07' 23.25451"	W 94° 37' 43.92520"	313.987	1069837.845	1406656.618	341.93	0.99999023	-0° 45' 54.30"
843219	4	A023	N 42° 04' 40.08183"	W 94° 37' 41.04558"	306.433	1064802.872	1406655.578	334.20	0.99999800	-0° 45' 52.35"
843216	2	A024	N 42° 04' 41.78762"	W 94° 34' 18.80838"	316.252	1064795.014	1411304.476	343.81	0.99999791	-0° 43' 35.29"
843213	2	A025	N 42° 04' 40.19075"	W 94° 30' 52.40491"	316.626	1064687.203	1416047.878	343.98	0.99999799	-0° 41' 15.40"
843121	1	A026	N 42° 04' 40.53269"	W 94° 27' 23.80764"	300.781	1064641.855	1420842.486	327.97	0.99999798	-0° 38' 54.02"
843124	1	A027	N 42° 04' 39.86447"	W 94° 24' 12.28910"	303.420	1064572.810	1425244.235	330.49	0.99999801	-0° 36' 44.22"
843016	2	A028	N 42° 04' 41.51695"	W 94° 20' 23.28230"	306.117	1064569.522	1430508.417	333.09	0.99999793	-0° 34' 09.01"
842918	3	A029	N 42° 04' 40.08694"	W 94° 16' 36.39760"	301.758	1064475.541	1435722.912	328.69	0.99999800	-0° 31' 35.24"
842916	2	A030	N 42° 04' 41.25174"	W 94° 13' 23.10895"	291.879	1064472.066	1440165.977	318.82	0.99999794	-0° 29' 24.24"
842913	2	A031	N 42° 04' 41.24042"	W 94° 09' 57.58120"	292.490	1064432.905	1444890.051	319.48	0.99999794	-0° 27' 04.95"
842936	2	A032	N 42° 02' 05.30307"	W 94° 09' 53.34508"	281.685	1059620.988	1444949.583	308.82	1.00000594	-0° 27' 02.08"

GREENE COUNTY, IOWA GPS PROJECT

HORIZONTAL DATUM: IOWA HARN, NAD 83(1996) IOWA NORTH ZONE
 VERTICAL DATUM: NAVD 88 (GPS DERIVED, GEOID 99, ELEVATIONS)

Name	Number	Latitude	Longitude	Ellipsoid Height(m)	SP North Meters	SP East Meters	Elevation Meters	SCALE FACTOR	CONVERGENCE ANGLE	
842933	2	A033	N 42° 02' 06.81000"	W 94° 13' 27.45990"	287.224	1059707.944	1440025.145	314.25	1.00000586	-0° 29' 27.19"
843036	2	A034	N 42° 02' 05.67028"	W 94° 16' 52.05393"	279.772	1059714.680	1435319.029	306.76	1.00000592	-0° 31' 45.85"
843033	2	A035	N 42° 02' 04.98359"	W 94° 20' 24.68751"	279.778	1059740.393	1430428.120	306.76	1.00000595	-0° 34' 09.97"
843136	2	A036	N 42° 02' 05.69683"	W 94° 23' 53.18771"	292.343	1059811.704	1425632.743	319.37	1.00000592	-0° 36' 31.28"
843134	3	A037	N 42° 02' 05.93013"	W 94° 27' 19.94368"	296.750	1059871.039	1420877.382	323.88	1.00000590	-0° 38' 51.40"
843131	3	A038	N 42° 02' 05.84008"	W 94° 30' 46.84977"	312.370	1059923.670	1416118.494	339.63	1.00000591	-0° 41' 11.63"
843233	2	A039	N 42° 02' 05.30716"	W 94° 34' 16.57578"	330.284	1059966.695	1411294.611	357.71	1.00000594	-0° 43' 33.77"
833206	4	A040	N 42° 02' 04.67088"	W 94° 37' 44.15429"	310.342	1060009.196	1406520.096	337.97	1.00000597	-0° 45' 54.46"
833218	3	A041	N 41° 59' 37.76085"	W 94° 37' 44.64801"	328.908	1055476.979	1406448.205	356.44	1.00001402	-0° 45' 54.79"
833215	3	A042	N 41° 59' 38.08698"	W 94° 34' 14.24980"	336.516	1055424.039	1411290.584	363.87	1.00001400	-0° 43' 32.20"
833118	3	A043	N 41° 59' 41.82849"	W 94° 30' 45.48351"	326.771	1055480.268	1416096.696	353.98	1.00001379	-0° 41' 10.71"
833116	2	A044	N 41° 59' 39.41162"	W 94° 27' 18.01032"	311.705	1055350.132	1420870.782	338.81	1.00001393	-0° 38' 50.09"
833124	1	A045	N 41° 59' 36.45208"	W 94° 23' 54.69454"	301.593	1055207.524	1425549.144	328.64	1.00001409	-0° 36' 32.30"
833015	3	A046	N 41° 59' 43.95754"	W 94° 20' 18.17671"	291.738	1055387.892	1430534.721	318.78	1.00001367	-0° 34' 05.55"
833024	1	A047	N 41° 59' 33.33171"	W 94° 16' 50.09449"	291.333	1055014.199	1435320.699	318.43	1.00001427	-0° 31' 44.53"
832915	3	A048	N 41° 59' 37.29064"	W 94° 13' 21.00987"	292.556	1055093.561	1440134.074	319.73	1.00001405	-0° 29' 22.82"
TT 13 B		A049	N 41° 59' 37.20211"	W 94° 09' 50.17591"	295.548	1055051.038	1444986.590	322.86	1.00001405	-0° 26' 59.93"
832936	2	A050	N 41° 57' 00.92862"	W 94° 09' 52.51430"	286.448	1050229.930	1444894.866	314.00	1.00002317	-0° 27' 01.51"
822904	1	A051	N 41° 56' 54.21602"	W 94° 13' 21.10969"	308.358	1050062.242	1440088.774	335.74	1.00002357	-0° 29' 22.89"
833036	2	A052	N 41° 57' 04.38305"	W 94° 17' 11.95524"	297.628	1050423.383	1434774.786	324.86	1.00002296	-0° 31' 59.34"
823004	1	A053	N 41° 56' 58.31288"	W 94° 20' 17.52759"	296.089	1050277.177	1430498.987	323.24	1.00002332	-0° 34' 05.11"
833031	3	A054	N 41° 57' 01.28847"	W 94° 23' 33.30839"	309.520	1050415.141	1425990.810	336.63	1.00002315	-0° 36' 17.80"
823104	1	A055	N 41° 57' 01.13293"	W 94° 27' 16.15085"	321.198	1050466.412	1420858.441	348.32	1.00002315	-0° 38' 48.83"
833131	3	A056	N 41° 57' 02.28442"	W 94° 30' 45.49291"	329.898	1050558.034	1416037.516	357.09	1.00002309	-0° 41' 10.71"
823203	4	A057	N 41° 57' 01.26006"	W 94° 34' 14.27665"	318.133	1050585.680	1411228.688	345.44	1.00002315	-0° 43' 32.22"
823301	1	A058	N 41° 56' 58.28448"	W 94° 37' 46.12584"	321.640	1050557.370	1406348.455	349.10	1.00002333	-0° 45' 55.79"
823324	1	A059	N 41° 54' 17.20227"	W 94° 37' 47.12475"	342.215	1045588.064	1406259.033	369.62	1.00003332	-0° 45' 56.47"
823221	1	A060	N 41° 54' 23.47582"	W 94° 34' 26.40791"	316.177	1045721.316	1410887.451	343.48	1.00003292	-0° 43' 40.44"
823118	3	A061	N 41° 54' 23.90690"	W 94° 30' 40.74826"	337.186	1045670.469	1416088.333	364.40	1.00003290	-0° 41' 07.50"
823116	2	A062	N 41° 54' 24.07418"	W 94° 27' 16.20958"	321.211	1045620.819	1420802.376	348.40	1.00003288	-0° 38' 48.87"
823113	2	A063	N 41° 54' 23.88334"	W 94° 23' 48.06833"	315.380	1045562.408	1425599.359	342.60	1.00003290	-0° 36' 27.81"
823022	4	A064	N 41° 54' 21.54467"	W 94° 20' 16.88089"	295.345	1045440.314	1430465.935	322.65	1.00003305	-0° 34' 04.67"
822918	3	A065	N 41° 54' 37.92464"	W 94° 16' 31.16758"	264.392	1045896.043	1435672.733	291.82	1.00003200	-0° 31' 31.70"
822916	2	A066	N 41° 54' 23.38518"	W 94° 13' 20.40191"	295.395	1045408.512	1440065.313	323.00	1.00003293	-0° 29' 22.41"
822924	1	A067	N 41° 54' 23.74838"	W 94° 09' 52.46581"	300.481	1045380.406	1444857.859	328.29	1.00003291	-0° 27' 01.48"
822936	2	A068	N 41° 52' 00.53252"	W 94° 09' 52.57839"	274.425	1040961.747	1444820.526	302.49	1.00004228	-0° 27' 01.56"
822934	3	A069	N 41° 51' 47.83366"	W 94° 13' 18.53933"	278.086	1040608.896	1440067.262	305.94	1.00004313	-0° 29' 21.15"
823036	2	A070	N 41° 51' 47.06840"	W 94° 16' 54.69655"	296.963	1040629.623	1435081.728	324.60	1.00004318	-0° 31' 47.65"

GREENE COUNTY, IOWA GPS PROJECT

HORIZONTAL DATUM: IOWA HARN, NAD 83(1996) IOWA NORTH ZONE
 VERTICAL DATUM: NAVD 88 (GPS DERIVED, GEOID 99, ELEVATIONS)

Name	Number	Latitude	Longitude	Ellipsoid Height(m)	SP North Meters	SP East Meters	Elevation Meters	SCALE FACTOR	CONVERGENCE ANGLE	
823033	2	A071	N 41° 51' 47.04203"	W 94° 20' 21.46767"	296.851	1040674.536	1430312.895	324.32	1.00004318	-0° 34' 07.78"
823136	2	A072	N 41° 51' 47.53568"	W 94° 23' 47.75189"	312.214	1040738.613	1425555.491	339.56	1.00004315	-0° 36' 27.59"
823133	2	A073	N 41° 51' 47.93246"	W 94° 27' 16.50342"	307.681	1040803.569	1420741.206	334.96	1.00004312	-0° 38' 49.07"
823236	2	A074	N 41° 51' 47.94229"	W 94° 30' 58.51086"	317.350	1040863.556	1415621.116	344.62	1.00004312	-0° 41' 19.54"
823233	2	A075	N 41° 51' 47.92613"	W 94° 34' 16.70432"	320.019	1040919.496	1411050.268	347.32	1.00004312	-0° 43' 33.86"
823231	3	A076	N 41° 51' 46.82376"	W 94° 37' 43.07782"	327.073	1040947.416	1406290.361	354.45	1.00004320	-0° 45' 53.73"
852920	1	A077	N 42° 09' 43.62040"	W 94° 15' 09.09191"	306.774	1073822.256	1437813.002	333.70	0.99998404	-0° 30' 36.07"
833006	2	A078	N 42° 01' 31.51902"	W 94° 22' 58.40389"	296.301	1058743.964	1426881.779	323.31	1.00000774	-0° 35' 54.15"
833008	4	A079	N 42° 00' 55.54385"	W 94° 22' 27.07443"	300.560	1057626.553	1427591.000	327.57	1.00000970	-0° 35' 32.91"
853120	2	A080	N 42° 09' 09.99588"	W 94° 28' 50.26379"	312.578	1072978.096	1418951.778	340.05	0.99998548	-0° 39' 52.62"
833017	4	A081	N 42° 00' 08.72882"	W 94° 22' 37.54930"	295.483	1056184.693	1427335.013	322.51	1.00001228	-0° 35' 40.01"
833112	2	A082	N 42° 00' 41.68898"	W 94° 23' 49.08427"	294.703	1057218.864	1425699.623	321.74	1.00001046	-0° 36' 28.49"
833006	1	A083	N 42° 02' 02.78585"	W 94° 22' 42.67774"	294.073	1059704.852	1427253.566	321.08	1.00000607	-0° 35' 43.49"
822910	1	A084	N 41° 55' 53.40189"	W 94° 12' 13.56118"	301.766	1048172.814	1441628.959	329.29	1.00002728	-0° 28' 37.11"
833211	2	A085	N 42° 00' 31.23138"	W 94° 32' 29.49452"	329.263	1057033.517	1413721.709	356.55	1.00001103	-0° 42' 21.20"
ALLEN	ALEN	N 42° 14' 15.02728"	W 94° 40' 12.83172"	350.072	1082588.009	1403412.495	378.61	0.99997338	-0° 47' 35.22"	
D 3	D003	N 42° 13' 29.73749"	W 94° 02' 52.48568"	318.840	1080668.697	1454766.678	345.71	0.99997504	-0° 22' 16.84"	
D 102 eccentric	D102	N 41° 59' 46.95135"	W 94° 22' 02.31029"	290.236	1055504.437	1428139.050	318.49	1.00001350	-0° 35' 16.13"	
A 89 eccentric	EA89	N 42° 01' 46.51826"	W 94° 14' 18.53513"	287.452	1059092.049	1438844.911	314.48	1.00000694	-0° 30' 01.81"	
ET 1 HK	ET01	N 42° 15' 09.40599"	W 94° 22' 44.60915"	314.410	1083974.442	1427461.508	341.96	0.99997144	-0° 35' 44.79"	
G 89	G089	N 42° 01' 09.69266"	W 94° 24' 24.91043"	297.998	1058091.637	1424884.573	325.04	1.00000892	-0° 36' 52.78"	
JEFFPORT	JEFF	N 42° 00' 38.51990"	W 94° 20' 36.57982"	289.770	1057075.493	1430127.972	316.84	1.00001063	-0° 34' 18.03"	
JEFFPORT AZ MK	JFAZ	N 42° 00' 25.76054"	W 94° 20' 23.85309"	290.270	1056678.919	1430416.895	317.33	1.00001133	-0° 34' 09.40"	
M 89 eccentric	M089	N 42° 01' 18.50292"	W 94° 32' 42.70171"	331.632	1058495.676	1413435.851	358.95	1.00000845	-0° 42' 30.15"	
M 102	M102	N 41° 48' 20.80236"	W 94° 21' 10.73482"	304.620	1034322.820	1429112.460	332.33	1.00005758	-0° 34' 41.17"	
S 101	S101	N 42° 09' 19.31075"	W 94° 28' 47.62538"	313.857	1073264.776	1419015.679	341.33	0.99998508	-0° 39' 50.83"	
U 88	U088	N 42° 02' 15.50842"	W 94° 05' 12.13190"	290.970	1059887.978	1451419.970	318.26	1.00000540	-0° 23' 51.49"	
W 89	W089	N 42° 03' 19.86455"	W 94° 47' 01.27451"	337.600	1062511.809	1393741.887	366.04	1.00000204	-0° 52' 12.04"	
W 100 RESET	W100	N 41° 40' 27.79637"	W 94° 50' 42.42357"	397.480	1020261.975	1387983.810	424.95	1.00009430	-0° 54' 41.93"	
W 101	W101	N 42° 04' 31.33230"	W 94° 26' 37.39107"	299.608	1064346.012	1421906.179	326.76	0.99999843	-0° 38' 22.56"	
X 3	X003	N 41° 46' 37.16479"	W 94° 02' 54.25461"	283.550	1030915.430	1454403.357	312.84	1.00006518	-0° 22' 18.04"	

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**2008 GPS Survey
Greene County, Iowa**

Project : Greene County, Ia
 User name Gary G Brown Date & Time 8:00:07 PM 10/23/2008
 Coordinate System US State Plane 1983 Zone Iowa North 1401
 Project Datum NAD 1983 (Conus)
 Vertical Datum NAVD88 Geoid Model GEOID03 (Conus)
 Coordinate Units US survey feet
 Distance Units US survey feet
 Height Units US survey feet

Name	Latitude	Longitude	Northing US Feet	Easting US Feet	Elevation US Feet	Ellipsoid Height	Grid Scale Factor	Elev. Scale Factor	Combined Scale Factor	Convergence Angle
86	42°00'09.12381"N	94°22'37.52096"W	3465205.90	4682850.84	1058.83	969.83	1.0000122597	0.9999537200	0.9999659800	-0°35'40"
87	42°09'56.00747"N	94°16'52.81125"W	3524356.57	4709425.40	1090.44	1001.70	0.9999835196	0.9999522100	0.9999357300	-0°31'46"
88	42°12'33.02163"N	94°27'20.66785"W	3540735.41	4662324.86	1120.82	1029.93	0.9999771866	0.9999508600	0.9999280500	-0°38'52"
89	42°09'57.69872"N	94°30'46.15547"W	3525193.69	4646673.39	1139.24	1048.19	0.9999834484	0.9999499900	0.9999334400	-0°41'11"
90	41°51'46.46253"N	94°37'42.79748"W	3415138.14	4613825.02	1162.64	1072.55	1.0000432223	0.9999488200	0.9999920400	-0°45'54"
91	41°56'48.55477"N	94°20'16.54385"W	3444795.90	4693293.31	1086.88	997.45	1.0000239128	0.9999524100	0.9999763200	-0°34'04"
92	41°54'23.46106"N	94°23'48.09603"W	3430273.28	4677151.35	1124.46	1034.86	1.0000329235	0.9999506200	0.9999835400	-0°36'28"