

## WEGG

## ROSE HILL, NORTH CAROLINA

## WZOO GROUND CONDUCTIVITIES AND STANDARD PATTERN

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
108.0	50.13	4.0E	294.0	5000.0E	295.1	4.0E	323.3	5000.0E	1261.3
109.0	48.28	4.0E	322.7	5000.0E	1261.3				
110.0	46.26	4.0E	312.4	5000.0E	317.5	4.0E	323.3	5000.0E	1261.3
111.0	44.10	4.0E	71.3	2.0E	81.2	4.0E	302.9	5000.0E	311.2
		4.0E	314.7	5000.0E	1261.3				
112.0	41.84	4.0E	67.5	2.0E	95.0	4.0E	298.5	5000.0E	1261.3
113.0	39.55	4.0E	64.0	2.0E	103.4	4.0E	288.6	5000.0E	1261.3
114.0	37.33	4.0E	61.0	2.0E	113.5	4.0E	271.4	5000.0E	272.3
		4.0E	282.6	5000.0E	1261.3				
115.0	35.32	4.0E	59.2	2.0E	121.0	4.0E	273.8	5000.0E	276.8
		4.0E	276.9	5000.0E	1261.3				
116.0	33.68	4.0E	58.1	2.0E	126.3	4.0E	272.2	5000.0E	1261.3
117.0	32.58	4.0E	57.1	2.0E	132.2	4.0E	246.3	5000.0E	247.6
		4.0E	270.5	5000.0E	1261.3				
118.0	32.18	1.5M	11.7	1.0M	27.2	4.0E	56.1	2.0E	138.7
		4.0E	252.2	5000.0E	257.3	4.0E	268.9	5000.0E	1261.3
119.0	32.22	1.5M	11.7	1.0M	27.2	4.0E	55.2	2.0E	145.9
		4.0E	254.5	5000.0E	259.0	4.0E	267.4	5000.0E	1261.3
120.0	32.45	1.5M	11.7	1.0M	27.2	4.0E	54.3	2.0E	153.9
		4.0E	256.9	5000.0E	265.5	4.0E	266.0	5000.0E	1261.3
121.0	33.08	1.5M	11.7	1.0M	27.2	4.0E	53.4	2.0E	162.9
		4.0E	262.9	5000.0E	1261.3				
122.0	34.37	1.5M	11.7	1.0M	27.2	4.0E	52.6	2.0E	169.0
		4.0E	260.0	5000.0E	1261.3				
123.0	36.58	1.5M	11.7	1.0M	27.2	4.0E	51.8	2.0E	173.2
		4.0E	258.5	5000.0E	1261.3				
124.0	39.87	1.5M	11.7	1.0M	27.2	4.0E	51.1	2.0E	174.5
		4.0E	257.2	5000.0E	1261.3				
125.0	44.29	1.5M	11.7	1.0M	27.2	4.0E	50.4	2.0E	175.8
		4.0E	256.0	5000.0E	1261.3				
126.0	49.79	1.5M	11.7	1.0M	27.2	4.0E	49.7	2.0E	176.3
		4.0E	254.8	5000.0E	1261.3				
127.0	56.26	1.5M	11.7	1.0M	27.2	4.0E	49.5	2.0E	175.7
		4.0E	253.8	5000.0E	1261.3				
128.0	63.53	1.5M	11.7	1.0M	27.2	4.0E	49.2	2.0E	175.1
		4.0E	252.8	5000.0E	1261.3				
129.0	71.29	1.5M	11.7	1.0M	27.2	4.0E	49.0	2.0E	173.7
		4.0E	252.0	5000.0E	1261.3				
130.0	79.29	1.5M	11.7	1.0M	27.2	4.0E	48.8	2.0E	172.1
		4.0E	251.2	5000.0E	1261.3				
131.0	87.52	1.5M	11.7	1.0M	27.2	4.0E	48.6	2.0E	170.5
		4.0E	251.5	5000.0E	1261.3				
132.0	95.98	1.5M	11.7	1.0M	27.2	4.0E	48.4	2.0E	169.1
		4.0E	253.0	5000.0E	1261.3				
133.0	104.64	1.5M	11.7	1.0M	27.2	4.0E	48.3	2.0E	167.7
		4.0E	254.7	5000.0E	1261.3				
134.0	113.50	1.5M	11.7	1.0M	27.2	4.0E	48.1	2.0E	166.4

		4.0E	256.4	5000.0E	1261.3				
135.0	122.55	1.5M	11.7	1.0M	27.2	4.0E	48.0	2.0E	165.1
		4.0E	258.3	5000.0E	1261.3				
136.0	131.77	1.5M	11.7	1.0M	27.2	4.0E	47.9	2.0E	163.9
		4.0E	260.3	5000.0E	1261.3				
137.0	141.16	1.5M	11.7	1.0M	27.2	4.0E	47.8	2.0E	162.9
		4.0E	255.3	5000.0E	256.0	4.0E	262.4	5000.0E	1261.3
138.0	150.70	1.5M	11.7	1.0M	27.2	4.0E	47.7	2.0E	162.3
		4.0E	257.9	5000.0E	261.9	4.0E	264.6	5000.0E	1261.3
139.0	160.38	1.0M	53.8	2.0E	161.6	4.0E	260.6	5000.0E	1261.3
140.0	170.18	1.0M	53.8	2.0E	161.1	4.0E	263.5	5000.0E	1261.3
141.0	180.10	1.0M	53.8	2.0E	160.6	4.0E	266.5	5000.0E	1261.3
142.0	190.13	1.0M	53.8	2.0E	160.1	4.0E	263.5	5000.0E	1261.3
143.0	200.25	1.0M	53.8	2.0E	159.7	4.0E	259.5	5000.0E	1261.3
144.0	210.45	1.0M	53.8	2.0E	159.4	4.0E	255.8	5000.0E	1261.3
145.0	220.72	1.0M	53.8	2.0E	159.0	4.0E	252.2	5000.0E	1261.3
146.0	231.04	1.0M	53.8	2.0E	158.8	4.0E	248.8	5000.0E	1261.3
147.0	241.41	1.0M	53.8	2.0E	158.6	4.0E	247.2	5000.0E	1261.3
148.0	251.81	1.0M	53.8	2.0E	158.3	4.0E	246.2	5000.0E	1261.3
149.0	262.23	1.0M	53.8	2.0E	158.0	4.0E	245.2	5000.0E	1261.3
150.0	272.66	1.0M	53.8	2.0E	157.7	4.0E	244.4	5000.0E	1261.3
151.0	283.09	1.0M	53.8	2.0E	157.5	4.0E	243.6	5000.0E	1261.3
152.0	293.50	1.0M	53.8	2.0E	157.4	4.0E	242.9	5000.0E	1261.3
153.0	303.89	1.0M	53.8	2.0E	157.2	4.0E	242.3	5000.0E	1261.3
154.0	314.25	1.0M	53.8	2.0E	157.2	4.0E	241.7	5000.0E	1261.3
155.0	324.55	1.0M	53.8	2.0E	157.2	4.0E	241.2	5000.0E	1261.3
156.0	334.80	1.0M	53.8	2.0E	157.2	4.0E	242.5	5000.0E	1261.3
157.0	344.99	1.0M	53.8	2.0E	157.3	4.0E	244.3	5000.0E	1261.3
158.0	355.10	1.0M	53.8	2.0E	157.4	4.0E	246.3	5000.0E	1261.3
159.0	365.12	1.0M	54.3	2.0E	157.6	4.0E	248.3	5000.0E	1261.3
160.0	375.05	1.0M	54.3	2.0E	157.8	4.0E	250.4	5000.0E	1261.3
161.0	384.87	1.0M	54.3	2.0E	158.1	4.0E	252.7	5000.0E	1261.3
162.0	394.59	1.0M	54.3	2.0E	158.4	4.0E	255.1	5000.0E	1261.3
163.0	404.18	1.0M	54.3	2.0E	158.8	4.0E	257.6	5000.0E	1261.3
164.0	413.65	1.0M	54.3	2.0E	159.2	4.0E	261.0	5000.0E	1261.3
165.0	422.98	1.0M	54.3	2.0E	159.6	4.0E	265.5	5000.0E	1261.3
166.0	432.17	1.0M	54.3	2.0E	160.2	4.0E	270.1	5000.0E	1261.3
167.0	441.21	1.0M	54.3	2.0E	160.8	4.0E	275.0	5000.0E	1261.3
168.0	450.11	1.0M	54.3	2.0E	161.4	4.0E	268.7	5000.0E	269.0
		4.0E	281.9	5000.0E	1261.3				
169.0	458.84	1.0M	54.3	2.0E	162.1	4.0E	272.4	5000.0E	276.8
		4.0E	277.9	5000.0E	282.3	4.0E	296.4	5000.0E	1261.3
170.0	467.41	1.0M	54.3	2.0E	162.8	4.0E	298.7	5000.0E	1261.3
171.0	475.81	1.0M	54.3	2.0E	163.6	4.0E	301.1	5000.0E	1261.3
172.0	484.04	1.0M	54.3	2.0E	164.5	4.0E	303.5	5000.0E	307.5
		4.0E	308.1	5000.0E	1261.3				
173.0	492.09	1.0M	54.3	4.0E	54.6	2.0E	165.4	4.0E	309.4
		5000.0E	1261.3						
174.0	499.96	1.0M	54.3	4.0E	55.2	2.0E	166.3	4.0E	306.0
		5000.0E	309.4	4.0E	310.7	5000.0E	1261.3		
175.0	507.66	1.0M	54.3	4.0E	55.8	2.0E	167.3	4.0E	306.2
		5000.0E	1261.3						
176.0	515.16	1.0M	54.3	4.0E	56.4	2.0E	168.2	4.0E	314.1
		5000.0E	1261.3						
177.0	522.48	1.0M	54.3	4.0E	57.1	2.0E	169.2	4.0E	318.7
		5000.0E	1261.3						
178.0	529.61	1.0M	54.3	4.0E	57.8	2.0E	170.3	4.0E	322.6

		5000.0E	328.6	4.0E	328.7	5000.0E	1261.3		
179.0	536.55	4.0E	58.5	2.0E	171.4	4.0E	326.9	5000.0E	327.5
		4.0E	332.2	5000.0E	1261.3				
180.0	543.29	4.0E	59.2	2.0E	172.5	4.0E	335.9	5000.0E	1261.3
181.0	549.85	4.0E	60.0	2.0E	173.8	4.0E	330.7	5000.0E	336.4
		4.0E	338.5	5000.0E	341.9	4.0E	344.5	5000.0E	1261.3
182.0	556.21	4.0E	60.9	2.0E	175.1	4.0E	348.3	5000.0E	957.9
		8.0E	1116.2	5000.0E	1261.3				
183.0	562.38	4.0E	61.7	2.0E	176.5	4.0E	353.5	5000.0E	921.4
		8.0E	1169.5	5000.0E	1261.3				
184.0	568.35	4.0E	62.7	2.0E	178.2	4.0E	356.0	5000.0E	885.5
		8.0E	1178.2	5000.0E	1261.3				
185.0	574.13	4.0E	63.6	2.0E	179.9	4.0E	358.6	5000.0E	859.3
		8.0E	927.7	2.0E	945.4	8.0E	1181.2	5000.0E	1261.3
186.0	579.72	4.0E	64.7	2.0E	181.4	4.0E	362.8	5000.0E	829.9
		8.0E	897.7	2.0E	954.5	8.0E	1162.6	5000.0E	1174.2
		8.0E	1187.7	5000.0E	1261.3				
187.0	585.11	4.0E	65.7	2.0E	183.0	4.0E	367.4	5000.0E	769.2
		2.0E	798.8	8.0E	861.2	2.0E	954.0	8.0E	1123.7
		5000.0E	1125.4	8.0E	1141.3	5000.0E	1261.3		
188.0	590.32	4.0E	66.9	2.0E	184.6	4.0E	367.8	5000.0E	750.4
		2.0E	953.3	8.0E	1112.6	5000.0E	1261.3		
189.0	595.33	4.0E	68.1	2.0E	186.3	4.0E	366.7	5000.0E	730.5
		2.0E	952.8	8.0E	1107.0	5000.0E	1261.3		
190.0	600.16	4.0E	69.3	2.0E	188.1	4.0E	366.8	5000.0E	370.9
		4.0E	373.0	8.0E	382.9	5000.0E	711.0	2.0E	952.3
		8.0E	1097.4	5000.0E	1261.3				
191.0	604.80	4.0E	70.7	2.0E	190.0	4.0E	372.3	8.0E	395.0
		5000.0E	692.7	2.0E	952.1	8.0E	1058.6	5000.0E	1261.3
192.0	609.26	4.0E	72.1	2.0E	192.1	4.0E	371.8	8.0E	391.9
		5000.0E	674.7	8.0E	688.4	2.0E	952.7	8.0E	1046.1
		5000.0E	1261.3						
193.0	613.53	4.0E	73.5	2.0E	194.2	4.0E	371.3	8.0E	387.9
		5000.0E	397.3	8.0E	407.5	5000.0E	646.4	8.0E	671.1
		4.0E	688.4	2.0E	906.3	4.0E	998.4	8.0E	1002.1
		5000.0E	1261.3						
194.0	617.62	4.0E	75.1	2.0E	196.4	4.0E	374.7	5000.0E	382.9
		8.0E	423.4	5000.0E	623.8	8.0E	651.2	4.0E	689.2
		2.0E	884.6	4.0E	1016.7	5000.0E	1261.3		
195.0	621.53	4.0E	76.8	2.0E	198.7	4.0E	394.3	8.0E	428.4
		5000.0E	595.0	8.0E	599.9	5000.0E	607.5	8.0E	611.5
		5000.0E	619.2	8.0E	632.2	4.0E	690.8	2.0E	866.9
		4.0E	999.0	5000.0E	1261.3				
196.0	625.26	4.0E	78.5	2.0E	201.2	4.0E	416.4	8.0E	442.6
		5000.0E	447.0	8.0E	453.9	5000.0E	457.6	8.0E	465.6
		5000.0E	474.2	8.0E	486.0	5000.0E	576.1	8.0E	609.3
		4.0E	689.8	2.0E	737.9	4.0E	752.5	2.0E	839.1
		4.0E	912.2	5000.0E	914.3	4.0E	972.8	5000.0E	1261.3
197.0	628.82	4.0E	80.7	2.0E	203.7	4.0E	433.1	8.0E	473.4
		5000.0E	477.2	8.0E	493.9	5000.0E	495.6	8.0E	514.3
		5000.0E	516.3	8.0E	538.3	5000.0E	541.3	8.0E	549.5
		5000.0E	555.8	8.0E	571.6	5000.0E	573.6	8.0E	586.8
		4.0E	685.0	2.0E	731.0	4.0E	911.6	5000.0E	954.7
		4.0E	959.9	5000.0E	1261.3				
198.0	632.21	4.0E	83.3	2.0E	206.9	4.0E	512.6	8.0E	556.0
		5000.0E	556.7	8.0E	559.7	4.0E	674.7	2.0E	731.6
		4.0E	902.9	5000.0E	911.8	4.0E	929.5	5000.0E	1261.3

199.0	635.43	4.0E	86.0	2.0E	210.3	4.0E	660.4	2.0E	731.7
		4.0E	867.9	5000.0E	884.6	4.0E	891.5	5000.0E	1261.3
200.0	638.47	4.0E	89.0	2.0E	213.8	4.0E	650.6	2.0E	719.1

## WEGG

## ROSE HILL, NORTH CAROLINA

DISTANCES TO WZOO CONTOURS

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m.				
		5.000	0.500	0.250	0.025	0.005
108.0	50.13	7.35	33.39	47.12	124.39	227.17
109.0	48.28	7.13	32.73	46.30	122.55	224.26
110.0	46.26	6.89	32.00	45.37	120.50	220.97
111.0	44.10	6.63	31.19	44.34	114.27	213.31
112.0	41.84	6.35	30.31	43.23	105.28	202.77
113.0	39.55	6.06	29.39	42.07	99.74	194.42
114.0	37.33	5.78	28.47	40.90	96.85	185.89
115.0	35.32	5.52	27.60	39.80	94.48	178.97
116.0	33.68	5.31	26.87	38.86	92.60	173.61
117.0	32.58	5.16	26.36	38.22	91.21	169.23
118.0	32.18	3.82	13.10	18.17	69.69	140.28
119.0	32.22	3.82	13.11	18.18	69.47	139.82
120.0	32.45	3.84	13.15	18.25	69.44	139.98
121.0	33.08	3.89	13.24	18.42	69.81	140.86
122.0	34.37	4.00	13.45	18.76	70.81	142.85
123.0	36.58	4.19	13.82	19.33	72.62	146.31
124.0	39.87	4.45	14.39	20.14	75.30	151.33
125.0	44.29	4.80	15.13	21.17	78.77	157.64
126.0	49.79	5.20	16.04	22.38	82.86	164.97
127.0	56.26	5.65	17.02	23.70	87.53	172.99
128.0	63.53	6.13	18.06	25.09	92.38	182.30
129.0	71.29	6.61	19.09	26.47	97.17	192.11
130.0	79.29	7.08	20.08	28.41	101.80	201.31
131.0	87.52	7.53	21.05	31.00	106.26	210.09
132.0	95.98	7.98	21.99	33.48	110.59	218.37
133.0	104.64	8.41	22.90	35.89	114.77	226.23
134.0	113.50	8.84	23.80	38.20	118.83	233.82
135.0	122.55	9.25	24.66	40.46	122.77	240.90
136.0	131.77	9.66	25.52	42.63	126.59	247.74
137.0	141.16	10.06	26.35	44.75	130.30	254.34
138.0	150.70	10.44	27.16	46.81	133.90	262.79
139.0	160.38	8.89	27.96	38.50	122.87	248.89
140.0	170.18	9.19	28.74	39.56	126.31	254.62
141.0	180.10	9.48	29.50	40.61	129.63	260.16
142.0	190.13	9.76	30.25	41.63	132.88	268.23
143.0	200.25	10.04	30.98	42.63	136.05	285.26
144.0	210.45	10.31	31.70	43.62	139.10	301.67
145.0	220.72	10.58	32.41	44.58	142.08	317.48
146.0	231.04	10.84	33.10	45.53	144.98	332.76
147.0	241.41	11.09	33.78	46.45	147.81	344.91
148.0	251.81	11.34	34.44	47.36	150.54	355.98
149.0	262.23	11.59	35.09	48.25	153.20	366.63
150.0	272.66	11.83	35.72	49.12	155.80	376.85
151.0	283.09	12.06	36.35	49.97	158.49	386.65
152.0	293.50	12.29	36.96	50.80	161.40	396.05
153.0	303.89	12.51	37.55	51.62	164.22	405.05
154.0	314.25	12.73	38.14	52.41	166.96	413.66

155.0	324.55	12.94	38.71	53.19	169.61	421.90
156.0	334.80	13.15	39.26	54.00	172.19	427.16
157.0	344.99	13.35	39.81	54.96	174.69	431.00
158.0	355.10	13.55	40.34	55.89	177.11	434.46
159.0	365.12	13.74	40.86	56.66	179.25	437.12
160.0	375.05	13.92	41.37	57.54	181.44	440.05
161.0	384.87	14.11	41.86	58.41	183.56	442.75
162.0	394.59	14.29	42.34	59.25	185.60	445.07
163.0	404.18	14.46	42.81	60.07	187.58	447.08
164.0	413.65	14.63	43.27	60.87	189.49	447.63
165.0	422.98	14.79	43.72	61.65	191.33	446.60
166.0	432.17	14.95	44.15	62.40	193.11	444.79
167.0	441.21	15.11	44.57	63.14	194.82	442.50
168.0	450.11	15.26	44.98	63.85	196.47	437.83
169.0	458.84	15.40	45.38	64.54	198.03	434.65
170.0	467.41	15.55	45.77	65.21	199.49	423.86
171.0	475.81	15.68	46.14	65.86	200.88	424.58
172.0	484.04	15.81	46.51	66.49	202.22	424.23
173.0	492.09	15.94	46.86	67.19	203.61	421.22
174.0	499.96	16.07	47.20	67.93	205.00	427.67
175.0	507.66	16.19	47.53	68.66	206.35	432.61
176.0	515.16	16.31	47.85	69.38	207.68	425.95
177.0	522.48	16.42	48.16	70.08	208.95	423.05
178.0	529.61	16.53	48.46	70.78	210.18	421.26
179.0	536.55	34.60	85.80	109.08	256.45	516.37
180.0	543.29	34.83	86.41	109.81	257.61	514.00
181.0	549.85	35.04	87.01	110.54	258.76	517.07
182.0	556.21	35.25	87.62	111.27	259.87	503.22
183.0	562.38	35.45	88.21	111.98	260.90	499.01
184.0	568.35	35.65	88.81	112.69	261.86	498.21
185.0	574.13	35.83	89.42	113.40	262.76	497.15
186.0	579.72	36.01	90.02	114.11	263.68	493.81
187.0	585.11	36.18	90.64	114.81	264.58	490.18
188.0	590.32	36.35	91.24	115.51	265.44	491.83
189.0	595.33	36.51	91.86	116.21	266.27	495.15
190.0	600.16	36.66	92.49	116.92	267.08	484.60
191.0	604.80	36.81	93.12	117.63	267.89	468.90
192.0	609.26	36.95	93.76	118.34	268.64	474.36
193.0	613.53	37.08	94.41	119.06	269.37	469.46
194.0	617.62	37.20	95.07	119.79	270.09	451.55
195.0	621.53	37.32	95.74	120.52	270.76	436.15
196.0	625.26	37.43	96.43	121.27	271.43	430.92
197.0	628.82	37.54	97.23	122.13	272.18	430.83
198.0	632.21	37.64	98.11	123.06	272.92	431.63

## FIELD STRENGTH MEASUREMENT DATA

Azimuth: N 168.0 E

Call: WZOO  
Frequency: 710.0 kHz  
Power: 1.000 kW  
Pattern: DA

Point Number	Date	Time	Distance (km)	Field Strength (mV/m)
1	070902	1305	3.08	94.
2		1256	3.74	32.0
3		1313	5.09	20.2
4		1319	7.08	23.6
5		0820	9.14	11.2
6		0828	12.00	8.9
7		0834	13.70	6.6
8		0837	15.00	5.3
9		0847	17.50	3.15
10		0856	21.70	1.92
11		0902	23.80	1.96
12		0909	26.70	1.26
13		0917	30.40	.94
14		0926	35.90	.73
15		0936	39.90	.59
16		0954	42.80	.50
17		1009	45.80	.41
18		1014	48.60	.385
19		1022	52.50	.325
20	070902	1029	54.30	.280

## FIELD STRENGTH MEASUREMENT DATA

Azimuth: N 17.0 E

Call: WAQI  
Frequency: 710.0 kHz  
Power: 1.000 kW  
Pattern: DA

Point Number	Date	Time	Distance (km)	Field Strength (mV/m)
1	062799	1216	1.20	530.00
2		1231	4.45	239.00
3		1237	5.74	175.00
4		1241	6.55	165.00
5		1245	7.45	139.00
6		1254	8.41	111.00
7		1258	9.16	112.00
8		1301	10.20	104.00
9		1305	11.00	89.00
10		1314	13.70	44.00
11		1318	15.20	42.00
12		1326	16.70	39.00
13		1339	18.60	41.00
14		1349	21.00	38.00
15		1344	24.10	27.90
16		1354	28.00	22.50
17		1404	33.20	21.10
18		1412	37.70	20.80
19		1422	40.70	17.20
20		1449	43.20	14.00
21		1519	48.20	12.10
22		1557	52.70	10.40
23		1608	59.10	10.20



24	1613	59.70	9.50
25	1621	64.90	8.20
26	1644	69.90	6.00
27	1749	75.20	4.70
28	1803	79.00	4.40
29	1818	82.70	3.50
30	1841	86.60	3.00
31	1857	91.90	2.45
32	1902	93.60	2.39
33	1909	95.40	2.15
34	1920	97.40	1.89
35	1930	98.90	1.90
36	1932	100.00	1.95
37	1936	101.10	2.10
38	1938	102.30	2.20
39	1942	104.30	0.750
40	1945	105.40	0.550
41	1949	106.80	0.700
42	1953	107.70	0.500
43	062799 1957	108.90	0.850