

TABLE EE-1A: PROPOSED WHIZ, ZANESVILLE, OH (1240 kHz) GROUNDWAVE CONTOURS

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Azimuth	Radiation (mV/m at one km)	Grd. Cond.(mS/m)-Dist.(km)*	Distances to Contours in Kilometers :				
			Contour levels in mV/m.				
			1000.000	22.380	5.000	2.000	.500
0.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
5.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
10.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
15.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
20.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
25.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
30.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
35.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
40.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
45.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
50.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
55.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
60.0	331.50	8-78.5; 4-out	.32	8.99	22.41	35.06	63.37
65.0	331.50	8-56.5; 4-out	.32	8.99	22.41	35.06	61.47
70.0	331.50	8-44.2; 4-out	.32	8.99	22.41	35.06	57.80
75.0	331.50	8-35.7; 4-out	.32	8.99	22.41	35.06	55.04
80.0	331.50	8-30.1; 4-out	.32	8.99	22.41	33.38	53.13
85.0	331.50	8-26.3; 4-out	.32	8.99	22.41	32.01	51.76
90.0	331.50	8-23.4; 4-out	.32	8.99	22.41	31.00	50.75
95.0	331.50	8-21.3; 4-out	.32	8.99	22.00	30.23	49.98
100.0	331.50	8-19.6; 4-out	.32	8.99	21.41	29.63	49.38
105.0	331.50	8-18.3; 4-out	.32	8.99	20.94	29.17	48.92
110.0	331.50	8-17.3; 4-92.9; 2-out	.32	8.99	20.59	28.81	48.56
115.0	331.50	8-16.6; 4-83.9; 2-out	.32	8.99	20.31	28.53	48.28

NOTES:

* Ground conductivity from M3 - Distance from transmitter; repeated to 100 km from transmitter

TABLE EE-1A: PROPOSED WHIZ, ZANESVILLE, OH (1240 kHz) GROUNDWAVE CONTOURS

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Azimuth	Radiation (mV/m at one km)	Grd. Cond.(mS/m)-Dist.(km)*	Distances to Contours in Kilometers :				
			Contour levels in mV/m.				
			1000.000	22.380	5.000	2.000	.500
120.0	331.50	8-16.0; 4-76.2; 2-out	.32	8.99	20.09	28.32	48.07
125.0	331.50	8-15.5; 4-70.2; 2-out	.32	8.99	19.94	28.16	47.91
130.0	331.50	8-15.2; 4-65.0; 2-out	.32	8.99	19.83	28.05	47.80
135.0	331.50	8-15.0; 4-60.0; 2-out	.32	8.99	19.76	27.99	47.74
140.0	331.50	8-15.0; 4-56.1; 2-out	.32	8.99	19.74	27.97	47.72
145.0	331.50	8-15.0; 4-53.1; 2-out	.32	8.99	19.76	27.99	47.74
150.0	331.50	8-15.2; 4-50.7; 2-out	.32	8.99	19.81	28.04	47.79
155.0	331.50	8-15.4; 4-48.5; 2-out	.32	8.99	19.90	28.13	47.88
160.0	331.50	8-15.8; 4-46.8; 2-out	.32	8.99	20.04	28.26	47.71
165.0	331.50	8-16.3; 4-45.5; 2-out	.32	8.99	20.22	28.45	47.55
170.0	331.50	8-17.0; 4-44.6; 2-out	.32	8.99	20.47	28.70	47.52
175.0	331.50	8-17.9; 4-44.1; 2-out	.32	8.99	20.79	29.02	47.64
180.0	331.50	8-19.1; 4-43.3; 2-out	.32	8.99	21.21	29.43	47.74
185.0	331.50	8-20.5; 4-42.8; 2-out	.32	8.99	21.74	29.97	48.00
190.0	331.50	8-22.4; 4-42.6; 2-out	.32	8.99	22.41	30.65	48.47
195.0	331.50	8-24.9; 4-42.7; 2-out	.32	8.99	22.41	31.54	49.17
200.0	331.50	8-28.3; 4-43.0; 2-out	.32	8.99	22.41	32.74	50.13
205.0	331.50	8-33.0; 4-42.5; 2-out	.32	8.99	22.41	34.37	51.22
210.0	331.50	8-40.0; 4-42.3; 2-out	.32	8.99	22.41	35.06	52.90
215.0	331.50	8-48.0; 2-out	.32	8.99	22.41	35.06	56.24
220.0	331.50	8-59.0; 2-out	.32	8.99	22.41	35.06	61.40
225.0	331.50	8-76.0; 2-out	.32	8.99	22.41	35.06	63.37
230.0	331.50	8-95.8; 2-out	.32	8.99	22.41	35.06	63.37
235.0	331.50	8-out	.32	8.99	22.41	35.06	63.37

NOTES:

* Ground conductivity from M3 - Distance from transmitter; repeated to 100 km from transmitter

TABLE EE-1A: PROPOSED WHIZ, ZANESVILLE, OH (1240 kHz) GROUNDWAVE CONTOURS
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Radiation			Distances to Contours in Kilometers :				
Azimuth	(mV/m at one km)	Grd. Cond.(mS/m)-Dist.(km)*	Contour levels in mV/m.				
			1000.000	22.380	5.000	2.000	.500
240.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
245.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
250.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
255.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
260.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
265.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
270.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
275.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
280.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
285.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
290.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
295.0	331.50	8-99.2; 15-out	.32	8.99	22.41	35.06	63.37
300.0	331.50	8-96.4; 15-out	.32	8.99	22.41	35.06	63.37
305.0	331.50	8-96.9; 15-out	.32	8.99	22.41	35.06	63.37
310.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
315.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
320.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
325.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
330.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
335.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
340.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
345.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
350.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
355.0	331.50	8-out	.32	8.99	22.41	35.06	63.37

NOTES:

* Ground conductivity from M3 - Distance from transmitter; repeated to 100 km from transmitter

TABLE EE-1B: EXISTING WHIZ, ZANESVILLE, OH (1240 kHz) GROUNDWAVE CONTOURS

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Azimuth	Radiation (mV/m at one km)	Grd. Cond.(mS/m)-Dist.(km)*	Distances to Contours in Kilometers :				
			Contour levels in mV/m.				
			1000.000	22.380	5.000	2.000	.500
0.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
5.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
10.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
15.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
20.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
25.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
30.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
35.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
40.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
45.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
50.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
55.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
60.0	331.50	8-68.6; 4-out	.32	8.99	22.41	35.06	63.37
65.0	331.50	8-49.4; 4-out	.32	8.99	22.41	35.06	59.39
70.0	331.50	8-37.6; 4-out	.32	8.99	22.41	35.06	55.66
75.0	331.50	8-30.4; 4-out	.32	8.99	22.41	33.45	53.20
80.0	331.50	8-25.6; 4-out	.32	8.99	22.41	31.79	51.54
85.0	331.50	8-22.3; 4-out	.32	8.99	22.38	30.60	50.36
90.0	331.50	8-19.9; 4-out	.32	8.99	21.51	29.73	49.48
95.0	331.50	8-18.1; 4-out	.32	8.99	20.85	29.07	48.83
100.0	331.50	8-16.7; 4-out	.32	8.99	20.35	28.57	48.32
105.0	331.50	8-15.6; 4-99.4; 2-out	.32	8.99	19.96	28.18	47.93
110.0	331.50	8-14.7; 4-88.5; 2-out	.32	8.99	19.65	27.88	47.63
115.0	331.50	8-14.1; 4-79.4; 2-out	.32	8.99	19.42	27.64	47.39

NOTES:

* Ground conductivity from M3 - Distance from transmitter; repeated to 100 km from transmitter

TABLE EE-1B: EXISTING WHIZ, ZANESVILLE, OH (1240 kHz) GROUNDWAVE CONTOURS

PAGE 2 OF 3

Azimuth	Radiation (mV/m at one km)	Grd. Cond.(mS/m)-Dist.(km)*	Distances to Contours in Kilometers :				
			Contour levels in mV/m.				
			1000.000	22.380	5.000	2.000	.500
120.0	331.50	8-13.6; 4-72.0; 2-out	.32	8.99	19.24	27.47	47.22
125.0	331.50	8-13.2; 4-66.4; 2-out	.32	8.99	19.11	27.34	47.09
130.0	331.50	8-12.9; 4-60.8; 2-out	.32	8.99	19.02	27.24	46.99
135.0	331.50	8-12.8; 4-56.1; 2-out	.32	8.99	18.97	27.19	46.94
140.0	331.50	8-12.7; 4-52.5; 2-out	.32	8.99	18.95	27.17	46.92
145.0	331.50	8-12.7; 4-49.6; 2-out	.32	8.99	18.95	27.18	46.93
150.0	331.50	8-12.9; 4-47.2; 2-out	.32	8.99	18.99	27.21	46.96
155.0	331.50	8-13.1; 4-45.2; 2-out	.32	8.99	19.06	27.29	46.58
160.0	331.50	8-13.4; 4-43.6; 2-out	.32	8.99	19.17	27.40	46.27
165.0	331.50	8-13.8; 4-42.4; 2-out	.32	8.99	19.33	27.55	46.10
170.0	331.50	8-14.4; 4-41.6; 2-out	.32	8.99	19.54	27.76	46.06
175.0	331.50	8-15.2; 4-41.1; 2-out	.32	8.99	19.80	28.03	46.13
180.0	331.50	8-16.1; 4-40.2; 2-out	.32	8.99	20.15	28.38	46.18
185.0	331.50	8-17.4; 4-39.7; 2-out	.32	8.99	20.60	28.83	46.40
190.0	331.50	8-19.0; 4-39.6; 2-out	.32	8.99	21.18	29.41	46.78
195.0	331.50	8-21.1; 4-39.7; 2-out	.32	8.99	21.94	30.17	47.38
200.0	331.50	8-24.0; 4-40.1; 2-out	.32	8.99	22.41	31.19	48.25
205.0	331.50	8-28.0; 4-39.8; 2-out	.32	8.99	22.41	32.61	49.22
210.0	331.50	8-33.8; 4-39.6; 2-out	.32	8.99	22.41	34.65	50.69
215.0	331.50	8-42.0; 2-out	.32	8.99	22.41	35.06	53.31
220.0	331.50	8-51.7; 2-out	.32	8.99	22.41	35.06	57.99
225.0	331.50	8-67.7; 2-out	.32	8.99	22.41	35.06	63.37
230.0	331.50	8-87.2; 2-out	.32	8.99	22.41	35.06	63.37
235.0	331.50	8-out	.32	8.99	22.41	35.06	63.37

NOTES:

* Ground conductivity from M3 - Distance from transmitter; repeated to 100 km from transmitter

TABLE EE-1B: EXISTING WHIZ, ZANESVILLE, OH (1240 kHz) GROUNDWAVE CONTOURS

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Azimuth	Radiation (mV/m at one km)	Grd. Cond.(mS/m)-Dist.(km)*	Distances to Contours in Kilometers :				
			Contour levels in mV/m.				
			1000.000	22.380	5.000	2.000	.500
240.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
245.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
250.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
255.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
260.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
265.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
270.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
275.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
280.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
285.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
290.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
295.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
300.0	331.50	8-98.5; 15-out	.32	8.99	22.41	35.06	63.37
305.0	331.50	8-98.0; 15-out	.32	8.99	22.41	35.06	63.37
310.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
315.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
320.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
325.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
330.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
335.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
340.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
345.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
350.0	331.50	8-out	.32	8.99	22.41	35.06	63.37
355.0	331.50	8-out	.32	8.99	22.41	35.06	63.37

NOTES:

* Ground conductivity from M3 - Distance from transmitter; repeated to 100 km from transmitter