

# EXHIBIT 15-P-1 Composite WFAV M-3 Ground Conductivity Data

WFAV      1220 kHz   Lic   ND1U      Facil. ID 48732      01-Jan-2007  
 VA FALLS CHURCH      5.000 kW      1 Tower      0 Augmentations  
 N.Lat: 38 52 47   W.Lon: 77 10 18      0 Measured Cond

' ' means estimated conductivity, from M-3 map.  
 'M\*' means measured conductivity (main bearing).

All distances are in kilometers (US metric curves)  
 All distances are cumulative.  
 All radiations are in mV/m at one kilometer

Bearing	Radiation	Region		Region		Region	
		Cond	Dist	Cond	Dist	Cond	Dist
0.0	730.5	2.0	87.1	4.0	109.2	2.0	271.7
		4.0	490.8	8.0	500.0		
5.0	730.5	2.0	84.6	4.0	125.2	2.0	271.1
		4.0	506.3				
10.0	730.5	2.0	85.1	4.0	151.3	2.0	270.9
		4.0	500.0				
15.0	730.5	2.0	86.2	4.0	176.5	2.0	263.3
		4.0	500.0				
20.0	730.5	2.0	88.1	4.0	191.8	2.0	257.2
		4.0	500.0				
25.0	730.5	2.0	90.3	4.0	203.4	2.0	265.5
		4.0	500.0				
30.0	730.5	2.0	90.7	4.0	227.0	2.0	293.8
		4.0	500.0				
35.0	730.5	2.0	89.8	4.0	281.5	2.0	339.5
		4.0	500.0				
40.0	730.5	2.0	75.0	4.0	294.7	2.0	365.4
		4.0	517.1				
45.0	730.5	2.0	49.0	4.0	61.5	40.0	62.4
		4.0	301.1	2.0	342.5	4.0	401.8
		1.0	500.0				
50.0	730.5	2.0	30.6	4.0	62.0	40.0	66.3
		4.0	75.8	40.0	76.0	4.0	99.9
		40.0	102.1	4.0	379.8	1.0	452.5
		2.0	500.0				

EXHIBIT 15-P-1 (cont.)  
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Bearing	Radiation	Region		Region		Region	
		Cond	Dist	Cond	Dist	Cond	Dist
55.0	730.5	2.0	23.3	4.0	59.1	40.0	63.4
		4.0	66.1	40.0	70.4	4.0	75.5
		40.0	76.8	4.0	79.5	40.0	89.3
		4.0	93.5	40.0	96.6	4.0	106.7
		40.0	123.7	4.0	178.7	5000.0	193.1
		4.0	311.7	5000.0	349.4	0.5	403.1
		5000.0	413.1	0.5	418.0	5000.0	485.3
		2.0	489.2	5000.0	491.9	2.0	500.0
60.0	730.5	2.0	19.0	4.0	61.2	40.0	99.9
		4.0	110.1	40.0	114.7	4.0	156.2
		5000.0	162.1	4.0	310.6	5000.0	450.9
		0.5	452.6	5000.0	471.7	0.5	507.8
65.0	730.5	2.0	16.1	4.0	52.7	40.0	53.3
		4.0	66.5	40.0	87.3	4.0	149.4
		5000.0	158.2	4.0	288.7	5000.0	500.0
70.0	730.5	2.0	14.1	4.0	54.2	40.0	55.7
		4.0	60.8	40.0	64.7	4.0	67.7
		40.0	83.5	4.0	155.3	5000.0	163.2
		4.0	273.2	5000.0	500.0		
75.0	730.5	2.0	12.6	4.0	56.2	40.0	58.3
		4.0	65.4	40.0	84.0	4.0	86.0
		40.0	94.4	4.0	157.5	5000.0	172.7
		4.0	240.5	5000.0	500.0		
80.0	730.5	2.0	11.4	4.0	50.5	40.0	50.7
		4.0	58.8	40.0	61.2	4.0	61.6
		40.0	88.7	4.0	154.2	5000.0	198.1
		4.0	221.4	5000.0	500.0		
85.0	730.5	2.0	10.6	4.0	54.5	40.0	57.9
		4.0	60.6	40.0	83.1	4.0	87.2
		40.0	88.4	4.0	161.6	5000.0	194.2
		4.0	207.2	5000.0	500.0		
90.0	730.5	2.0	9.9	4.0	53.2	40.0	83.8
		4.0	84.6	40.0	92.8	4.0	169.1
		5000.0	500.0				
95.0	730.5	2.0	9.4	4.0	58.0	40.0	76.5
		4.0	82.1	40.0	86.1	4.0	89.3
		40.0	91.6	4.0	183.1	5000.0	500.0
100.0	730.5	2.0	9.0	4.0	11.6	5000.0	12.4
		4.0	56.8	40.0	74.3	4.0	76.6
		40.0	78.8	4.0	80.7	40.0	86.9
		4.0	156.4	2.0	187.0	5000.0	500.0

**EXHIBIT 15-P-1 (cont.)**  
**Composite WFAX M-3 Ground Conductivity Data**

WFAX      1220 kHz    Lic    ND1U      Facil. ID 48732      01-Jan-2007  
 VA FALLS CHURCH      5.000 kW    1 Tower      0 Augmentations  
 N.Lat: 38 52 47    W.Lon: 77 10 18      0 Measured Cond

Bearing	Radiation	Region		Region		Region	
		Cond	Dist	Cond	Dist	Cond	Dist
105.0	730.5	2.0	8.7	4.0	11.9	5000.0	13.8
		4.0	56.1	40.0	74.7	4.0	75.6
		40.0	92.4	4.0	118.2	2.0	186.1
		5000.0	500.0				
110.0	730.5	2.0	8.4	4.0	12.3	5000.0	14.9
		4.0	60.3	40.0	81.7	4.0	95.2
		2.0	189.6	5000.0	500.0		
115.0	730.5	2.0	8.3	4.0	12.8	5000.0	15.4
		4.0	62.9	40.0	83.2	5000.0	92.5
		2.0	184.3	5000.0	500.0		
120.0	730.5	2.0	8.2	4.0	13.5	5000.0	16.2
		4.0	66.2	40.0	70.6	5000.0	84.3
		2.0	116.2	5000.0	119.6	2.0	125.7
		5000.0	129.0	2.0	183.5	5000.0	500.0
125.0	730.5	2.0	8.2	4.0	14.4	5000.0	17.1
		4.0	70.6	5000.0	95.3	2.0	98.5
		5000.0	111.8	2.0	120.6	5000.0	132.7
		2.0	140.7	5000.0	144.4	2.0	185.3
130.0	730.5	5000.0	500.0				
		2.0	8.2	4.0	15.5	5000.0	18.3
		4.0	88.6	5000.0	149.9	2.0	158.5
135.0	730.5	5000.0	173.8	2.0	190.2	5000.0	500.0
		2.0	8.3	4.0	16.9	5000.0	19.8
		4.0	59.5	5000.0	89.7	4.0	95.4
		5000.0	175.0	2.0	197.7	5000.0	500.0
140.0	730.5	2.0	8.5	4.0	18.8	5000.0	21.8
		4.0	114.0	5000.0	178.0	2.0	196.1
		5000.0	500.0				
145.0	730.5	2.0	8.7	4.0	21.4	5000.0	24.4
		4.0	80.2	5000.0	80.5	4.0	97.1
		5000.0	125.8	4.0	135.3	5000.0	188.7
		2.0	189.8	5000.0	193.0	2.0	202.4
150.0	730.5	5000.0	500.0				
		2.0	9.0	4.0	21.4	5000.0	23.8
		4.0	76.0	5000.0	77.7	4.0	81.7
		5000.0	94.5	4.0	109.2	5000.0	112.0
155.0	730.5	4.0	152.0	5000.0	208.1	2.0	220.8
		5000.0	500.0				
		2.0	9.5	4.0	21.5	5000.0	23.3
		4.0	63.0	5000.0	72.1	4.0	77.9
		5000.0	90.1	4.0	145.7	5000.0	150.1
		4.0	150.5	5000.0	157.2	2.0	187.3
		5000.0	240.4	4.0	257.8	5000.0	500.0

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VA FALLS CHURCH      5.000 kW      1 Tower      0 Augmentations  
N.Lat: 38 52 47   W.Lon: 77 10 18      0 Measured Cond

Bearing	Radiation	Region		Region		Region	
		Cond	Dist	Cond	Dist	Cond	Dist
160.0	730.5	2.0	10.0	4.0	21.7	5000.0	23.1
		4.0	68.5	5000.0	83.8	4.0	127.0
		5000.0	134.3	2.0	191.0	5000.0	199.1
		2.0	201.2	5000.0	204.1	4.0	221.1
		5000.0	228.4	4.0	233.8	5000.0	235.6
		4.0	320.7	5000.0	346.2	4.0	376.1
		5000.0	500.0				
165.0	730.5	2.0	10.7	4.0	22.0	5000.0	24.8
		4.0	62.2	5000.0	78.8	4.0	103.2
		5000.0	111.7	2.0	169.4	5000.0	178.3
		2.0	203.9	4.0	206.6	5000.0	219.8
		4.0	228.3	5000.0	232.2	4.0	318.2
		5000.0	333.2	4.0	365.2	5000.0	366.2
		4.0	397.0	5000.0	500.0		
170.0	730.5	2.0	11.6	4.0	22.6	5000.0	30.9
		4.0	50.6	5000.0	55.0	4.0	97.2
		2.0	187.2	5000.0	192.5	2.0	233.5
		4.0	323.6	5000.0	331.7	4.0	389.7
		5000.0	436.2	4.0	444.4	5000.0	500.0
175.0	730.5	2.0	12.8	4.0	23.3	5000.0	23.9
		4.0	28.3	5000.0	31.2	4.0	49.6
		5000.0	56.4	4.0	86.6	2.0	181.8
		5000.0	182.3	2.0	330.0	4.0	382.5
		5000.0	388.8	4.0	435.1	5000.0	442.6
		4.0	457.8	5000.0	461.4	4.0	463.9
		5000.0	500.0				
180.0	730.5	2.0	14.3	4.0	29.3	5000.0	31.8
		4.0	55.6	5000.0	58.4	4.0	78.1
		2.0	363.8	4.0	469.9	5000.0	500.0
185.0	730.5	2.0	16.5	4.0	27.1	5000.0	35.0
		4.0	55.4	5000.0	61.0	4.0	69.8
		2.0	395.0	4.0	504.8		
190.0	730.5	2.0	19.5	4.0	33.2	5000.0	43.8
		4.0	44.2	5000.0	60.3	4.0	62.1
		2.0	390.4	4.0	500.0		
195.0	730.5	2.0	24.2	4.0	50.0	2.0	380.5
		4.0	434.4	2.0	477.9	4.0	500.0
200.0	730.5	2.0	373.6	4.0	414.1	2.0	500.0
205.0	730.5	2.0	329.0	4.0	408.7	2.0	500.0
210.0	730.5	2.0	290.2	4.0	450.8	2.0	500.0
215.0	730.5	2.0	277.8	4.0	500.0		
220.0	730.5	2.0	273.1	4.0	372.1	2.0	417.7
		4.0	505.1				
225.0	730.5	2.0	272.9	4.0	353.3	2.0	500.0

EXHIBIT 15-P-1 (cont.)  
Composite WFAX M-3 Ground Conductivity Data

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N.Lat: 38 52 47	W.Lon: 77 10 18				0 Measured Cond

Bearing	Radiation	Region		Region		Region	
		Cond	Dist	Cond	Dist	Cond	Dist
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230.0	730.5	2.0	500.0				
235.0	730.5	2.0	500.0				
240.0	730.5	2.0	431.1	4.0	500.0		
245.0	730.5	2.0	430.8	4.0	500.0		
250.0	730.5	2.0	500.0				
255.0	730.5	2.0	500.0				
260.0	730.5	2.0	500.0				
265.0	730.5	2.0	500.0				
270.0	730.5	2.0	500.0				
275.0	730.5	2.0	210.0	4.0	276.0	2.0	500.0
280.0	730.5	2.0	158.7	4.0	285.4	2.0	468.9
		8.0	500.0				
285.0	730.5	2.0	142.6	4.0	269.7	2.0	349.8
		4.0	426.7	8.0	500.0		
290.0	730.5	2.0	131.2	4.0	257.5	2.0	306.2
		4.0	400.2	8.0	500.0		
295.0	730.5	2.0	124.5	4.0	381.4	8.0	500.0
300.0	730.5	2.0	122.4	4.0	367.2	8.0	500.0
305.0	730.5	2.0	121.3	4.0	356.0	8.0	500.0
310.0	730.5	2.0	121.2	4.0	348.1	8.0	500.0
315.0	730.5	2.0	121.9	4.0	345.7	8.0	500.0
320.0	730.5	2.0	123.7	4.0	194.0	2.0	357.0
		8.0	438.5	4.0	449.9	8.0	492.7
		10.0	500.0				
325.0	730.5	2.0	127.5	4.0	197.9	2.0	379.6
		8.0	396.0	4.0	439.6	8.0	470.3
		10.0	500.0				
330.0	730.5	2.0	133.8	4.0	206.7	2.0	380.9
		4.0	437.2	8.0	459.2	10.0	475.2
		4.0	475.9	10.0	500.0		
335.0	730.5	2.0	142.0	4.0	218.0	2.0	345.1
		4.0	418.5	8.0	456.9	10.0	490.9
		20.0	500.0				
340.0	730.5	2.0	154.9	4.0	227.3	2.0	318.8
		4.0	431.5	8.0	463.1	10.0	474.9
		20.0	500.0				
345.0	730.5	2.0	175.4	4.0	219.9	2.0	301.3
		4.0	449.4	8.0	500.0		
350.0	730.5	2.0	287.5	4.0	437.0	8.0	500.0
355.0	730.5	2.0	277.5	4.0	436.2	8.0	500.0