



STATEMENT OF CYNTHIA M. JACOBSON, P.E.  
IN SUPPORT OF  
AN AURAL SERVICES STUDY  
WWRC - WASHINGTON, D.C.  
Facility ID: 8681  
and  
WKDL - Warrenton, Virginia  
Facility ID: 53368  
and  
WNWK - Newark, Delaware  
Facility ID: 2646

I am a Consulting Radio Engineer, an employee in the firm of Carl T. Jones Corporation with offices located in Springfield, Virginia.

My education and experience are a matter of record with the Federal Communications Commission. I am a Registered Professional Engineer in the Commonwealth of Virginia, Registration No. 027914.

GENERAL

This office has been authorized by Salem Media of Virginia, Inc. ("Salem"), licensee of Standard Broadcast Station WWRC, Washington, District of Columbia, to prepare this statement and the attached engineering exhibits. Salem has entered into separate Interference Reduction Agreements ("IRA"s) on behalf of WWRC with Metro Radio, Inc., licensee of station WKDL, Warrenton, Virginia and EKO Media Group, Inc., licensee of station WNWK, Newark, Delaware.

By a letter dated August 30, 2011, the FCC requested Salem substantiate its claim

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that the loss areas resulting from the modification of WKDL and the deletion of WNWK, will continue to receive a minimum of 5 aural services. This statement and engineering figures will verify this claim in greater detail.

Under the IRA agreement, WKDL has agreed to reduce daytime power from 7.9 kW to 3.0 kW. The WNWK IRA provides that WNWK will relinquish its license for operation on 1260 kHz prior to or upon WWRC's commencement of operations pursuant to PTA with the facilities as proposed in the WWRC application for construction permit.<sup>1</sup>

Contours for WKDL and WNWK were calculated at 5 degree intervals using measured ground conductivity values where applicable and the FCC's M-3 estimated soil conductivities. The protected contour for each pertinent class of station was utilized to determine coverage in each situation.

The WKDL loss area will receive five or more aural services. Figures 1 and 2 depict the loss of protected service area to WKDL and shows that a minimum<sup>2</sup> of five aural services continue to serve the loss area. Figure 3 is a tabulation of those stations providing service to portions of the WKDL loss area.

The loss area resulting from the deletion of WNWK will continue to receive service from at least five aural services. Moreover, Newark, Delaware will continue to have a licensed local radio broadcast station, WVUD(FM), Facility ID 19716. Figures 4 and 5

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<sup>1</sup>FCC File No. BP-20110223ACB.

<sup>2</sup>More than five aural services are likely to serve the loss area. Once it could be shown that a minimum of five services existed, the count ceased.

depict the WNWK loss area, showing that a minimum of five aural services will continue to provide protected service. A tabulation of those stations is shown in Figure 6.

The proposal by WWRC to reduce the operating power of WKDL and the cessation of the WNWK operation will result in a continuation of these areas to receive five or more aural services.

### CONCLUSION

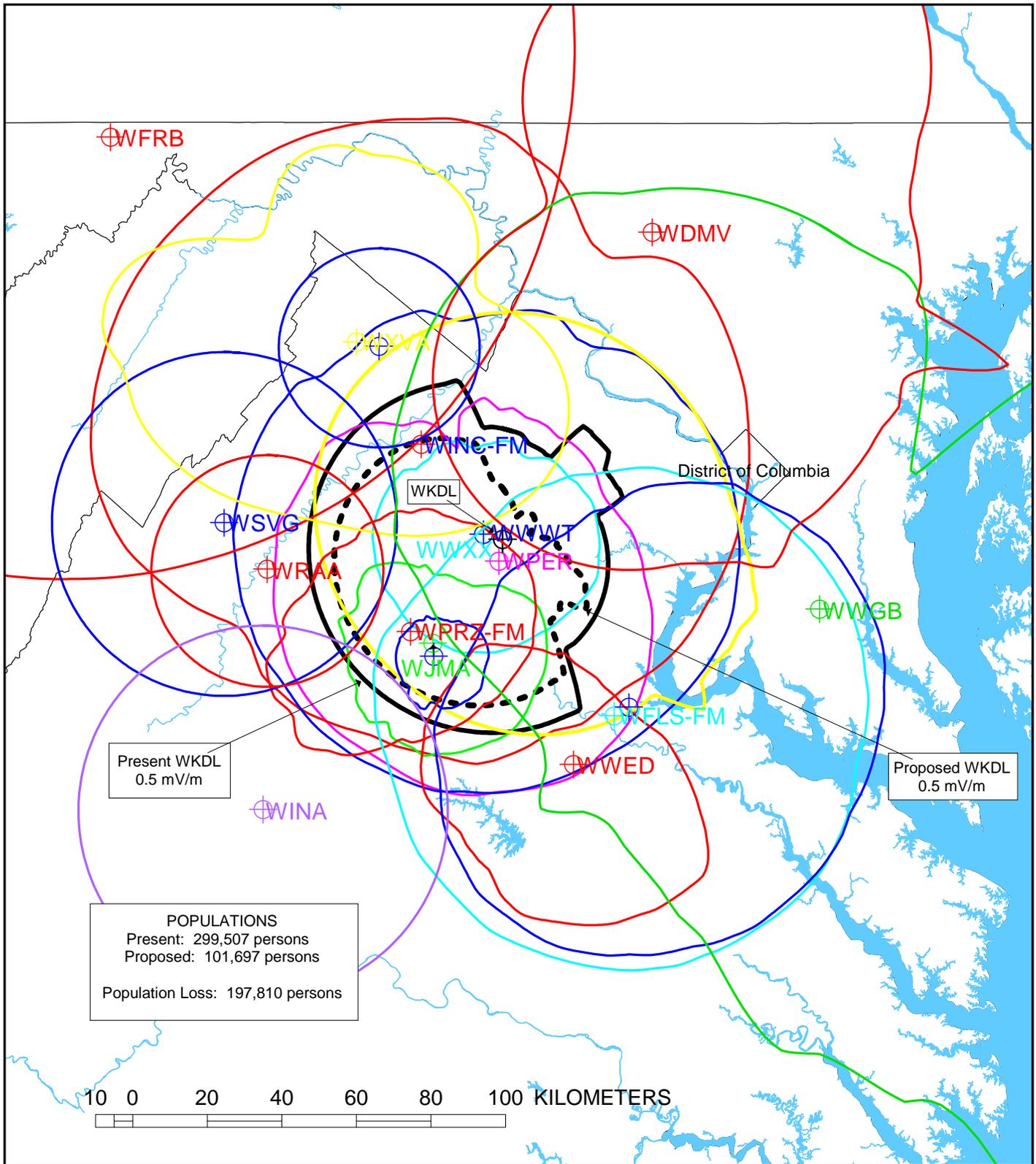
This statement and the attached engineering figures were prepared by me or under my direct supervision and are believed to be true and correct.

It is submitted that the proposed operation described herein complies with the technical standards of the Rules and Regulations of the Commission.

DATED: September 09, 2011



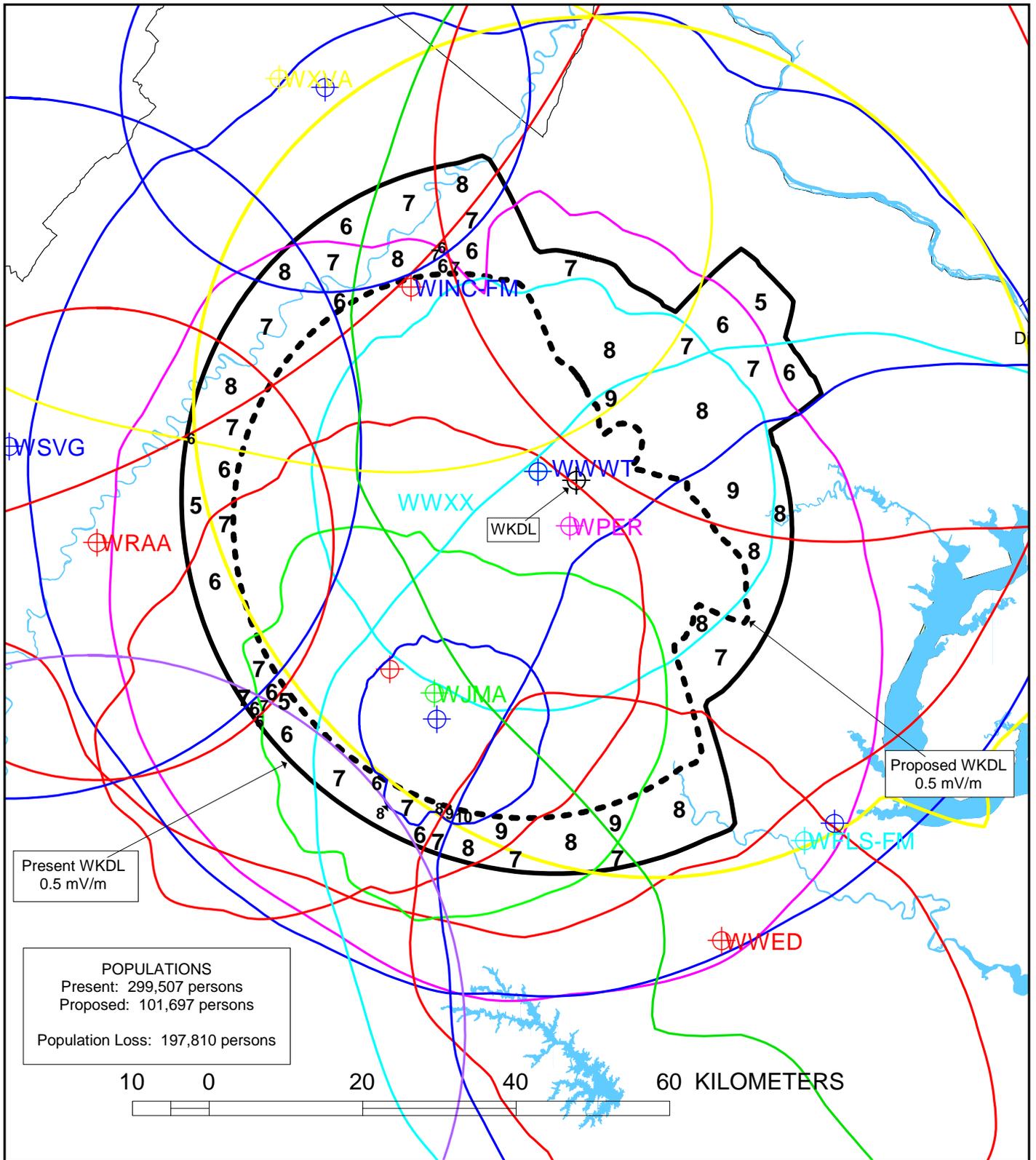
FIGURE 1



Measured Soil Conductivities Employed

AURAL SERVICES STUDY  
WKDL(AM) - 1250 KHZ - WARRENTON, VIRGINIA  
PRESENT: 7.9 KW DAY/0.125 KW NIGHT - DA-2  
PROPOSED: 3.0 KW DAY/0.125 KW NIGHT - DA-2  
SEPTEMBER, 2011

FIGURE 2



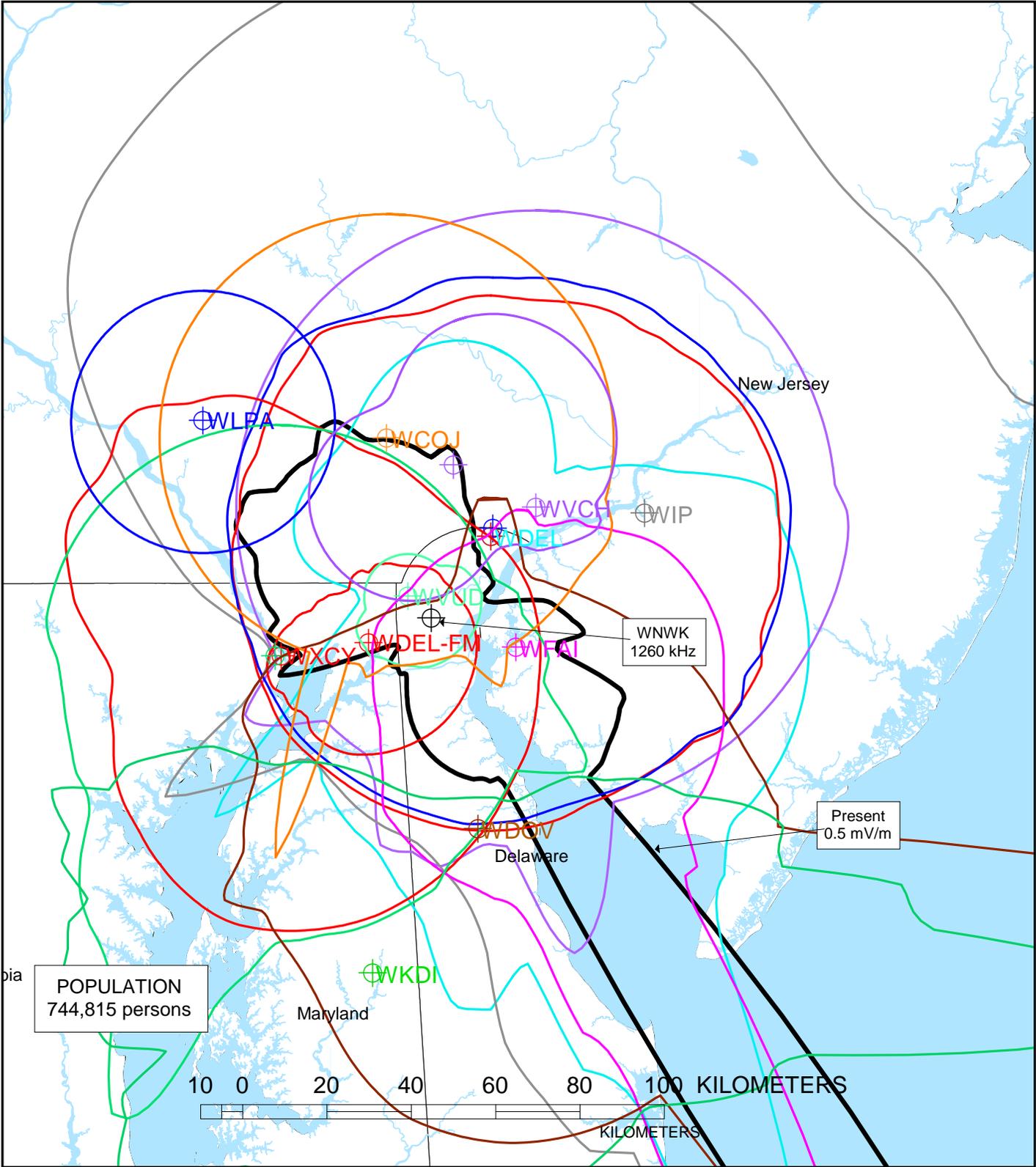
Measured Soil Conductivities Employed

AURAL SERVICES STUDY (ENLARGED)  
 WKDL(AM) - 1250 KHZ - WARRENTON, VIRGINIA  
 PRESENT: 7.9 KW DAY/0.125 KW NIGHT - DA-2  
 PROPOSED: 3.0 KW DAY/0.125 KW NIGHT - DA-2  
 SEPTEMBER, 2011

**LIST OF OTHER AURAL SERVICES  
SERVING THE WKDL-WARRENTON, VA AREA**

CALL	SERVICE	FREQ./CHANNEL	CITY, STATE
WFRB	AM	560 kHz	Frostburg, MD
WXVA	AM	610 kHz	Winchester, VA
WDMV	AM	700 kHz	Walkersville, MD
WSVG	AM	790 kHz	Mount Jackson, VA
WWGB	AM	1030 kHz	Indian Head, MD
WINA	AM	1070 kHz	Charlottesville, VA
WRAA	AM	1330 kHz	Luray, VA
WINC	AM	1400 kHz	Winchester, VA
WKCW	AM	1420 kHz	Warrenton, VA
WPRZ-FM	FM	201B1	Brandy Station, VA
WWED	FM	208B1	Spotsylvania, VA
WPER	FM	210B	Culpeper, VA
WARN	FM	218A	Culpeper, VA
WINC-FM	FM	223B	Winchester, VA
WFLS-FM	FM	227B	Fredericksburg, VA
WWXX	FM	232A	Buckland, VA
WBQB	FM	268B1	Fredericksburg, VA
WJMA-FM	FM	276A	Culpeper, VA
WWWT-FM	FM	299B	Manassas, VA

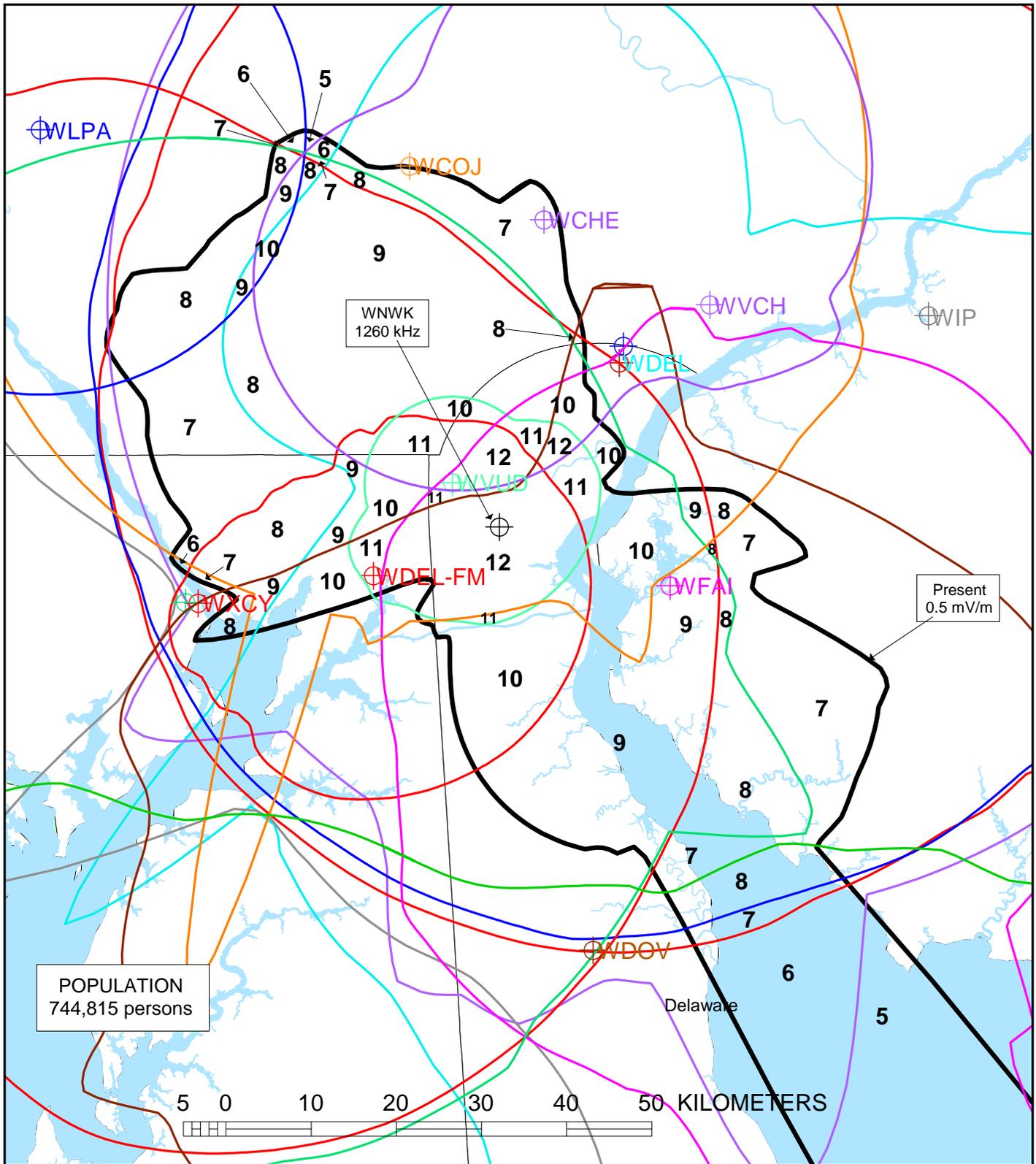
FIGURE 4



Measured Soil Conductivities Employed

AURAL SERVICES STUDY  
WNWK(AM) - 1260 KHZ - NEWARK, DELAWARE  
PRESENT: 1.0 KW DAY/0.042 KW NIGHT - DA-2  
SEPTEMBER, 2011

FIGURE 5



Measured Soil Conductivities Employed

AURAL SERVICES STUDY (ENLARGED)  
WNWK(AM) - 1260 KHZ - NEWARK, DELAWARE  
PRESENT: 1.0 KW DAY/0.042 KW NIGHT - DA-2  
SEPTEMBER, 2011

**LIST OF OTHER AURAL SERVICES  
SERVING THE WNWK-NEWARK, DE AREA**

CALL	SERVICE	FREQ./CHANNEL	CITY, STATE
WIP	AM	610 kHz	Philadelphia, PA
WVCH	AM	740 kHz	Chester, PA
WKDI	AM	840 kHz	Denton, MD
WDEL	AM	1150 kHz	Wilmington, DE
WJSS	AM	1330 kHz	Havre De Grace, MD
WDOV	AM	1410 kHz	Dover, DE
WCOJ	AM	1420 kHz	Coatesville, PA
WLPA	AM	1490 kHz	Lancaster, PA
WFAI	AM	1510 kHz	Salem, NJ
WCHE	AM	1520 kHz	West Chester, PA
WDEL	FM	210A	Elkton, MD
WVUD	FM	217A	Newark, DE
WSTW	FM	229B	Wilmington, DE
WJBR-FM	FM	258B	Wilmington, DE
WXCY	FM	279B	Havre De Grace, MD