Exhibit

Declaration of William R. Meintel

I, William R. Meintel, hereby declare as follows:

1. I am William R. Meintel, President of TechWare, Inc.

2. I hold a BS degree in electrical engineering and have over 29 years experience in the communications field. I completed a 20-year career with the Federal Communications Commission (FCC) where I held a number of engineering positions. In addition to serving as a field engineer for the FCC, I spent the last 10-years of my FCC career in the Mass Media Bureau's Policy and Rules Division. While there, I served as the Division computer expert in addition to my engineering responsibilities that included extensive involvement in a number of complex domestic and international spectrum planning matters.

3. Since entering private practice in 1989, I have been heavily involved in spectrum planning for the broadcast industry. During that period I co-authored a report for the NAB on spectrum requirements for Digital Audio Broadcasting (DAB), created a plan for independent television broadcasting for Romania and have been extensively involved in spectrum planning for digital television (DTV). My involvement in DTV has included the development of the sophisticated computer models used by both the broadcast industry and the FCC for DTV planning as well as serving as a technical consultant to the broadcast industry. In addition to providing technical consulting services to a number of individual domestic clients, I also have been contracted by the Brazilian Association of Broadcasters to provide DTV planning software and technical consulting services to assist Brazilian DTV spectrum planning. I have also authored a number of papers and articles and made numerous presentations on subjects related to spectrum planning.

4. I prepared the accompanying signal area maps and data summaries at the request of the Television Network Affiliates Associations for use by the Television Network Affiliates Associations in response to the Notice of Proposed Rule Making, FCC 98-302, released November 17, 1998, in the matter of Satellite Delivery of Network Signals to Unserved Households for Purposes of the Satellite Home Viewer Act.

5. These maps and their accompanying service population and area statistics are true and correct to the best of my information, knowledge, and belief.

This the 12th day of January, 1999.

William R. Meintel

## WLWT Channel 5 Cincinnati, Ohio

| SERVICE | FCC Grade B | | FCC Grade A | |
|---|---|---|---|---|
| | Population | Area (Square km) | Population | Area (Square km) |
| Traditionally Predicted | 3,138,291 | 33,866 | 1,798,306 | 9,366 |

| | F(50/50/50) (Grade B) | | F(50/50/50) (Grade A) | |
|---|---|---|---|---|
| | Population | Area (Square km) | Population | Area (Square km) |
| Longley-Rice Predicted | 3,348,525 | 37,696 | 1,989,309 | 14,452 |

| | F(50/50/50) (Grade B) Longley-Rice Predicted | |
|---|---|---|
| | Population | Area (Square km) |
| Terrain Limited | 3,348,525 | 37,696 |
| Terrain and Interference Limited | 2,840,176 | 27,379 |

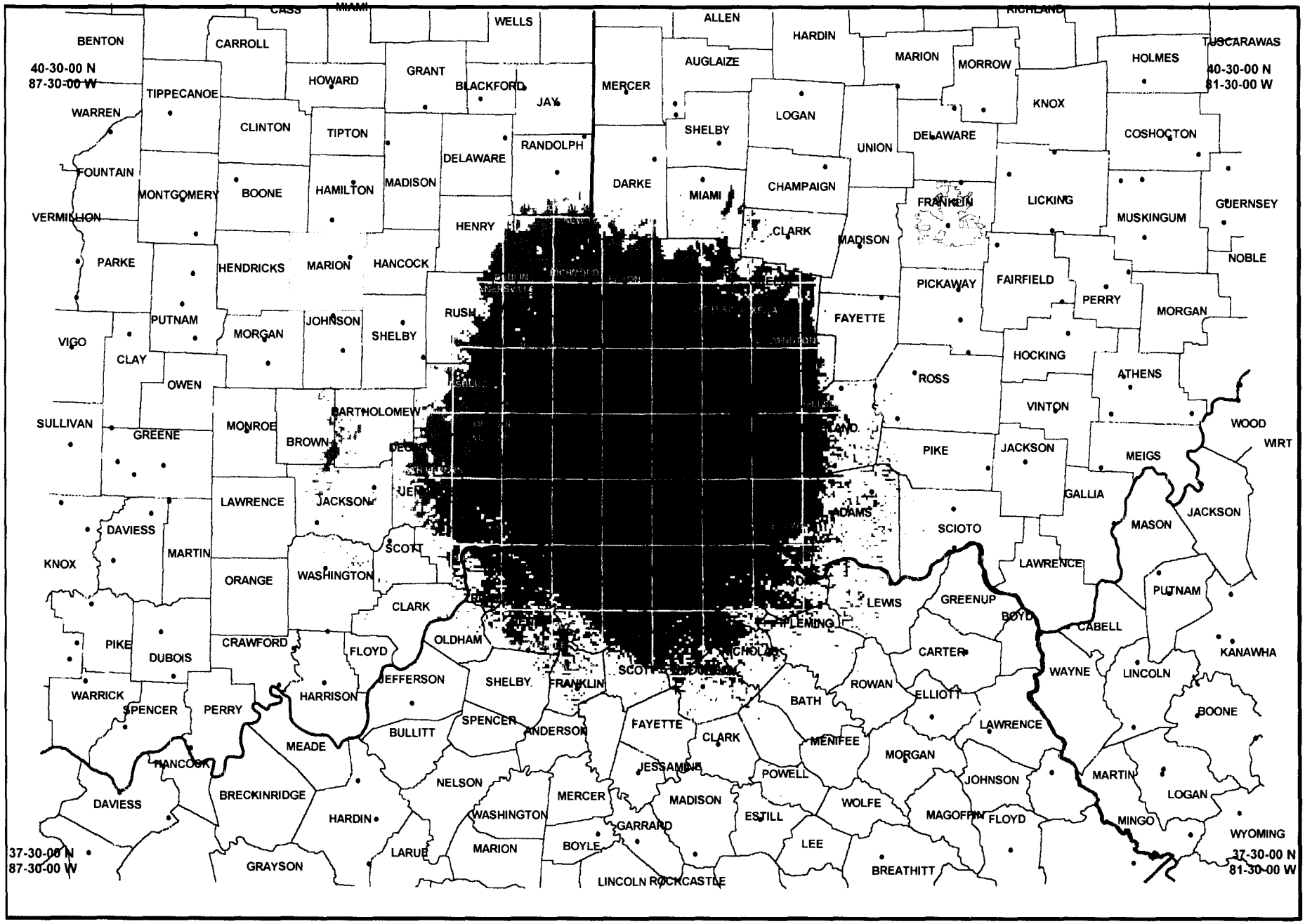
| | F(50/50/90) (Grade B) Longley-Rice Predicted | |
|---|---|---|
| | Population | Area (Square km) |
| Terrain Limited | 2,705,312 | 24,699 |
| Terrain and Interference Limited | 2,649,207 | 23,405 |

F(50/50/50) - Longley-Rice Location Variability (50%), Time Variability(50%), Confidence (50%)

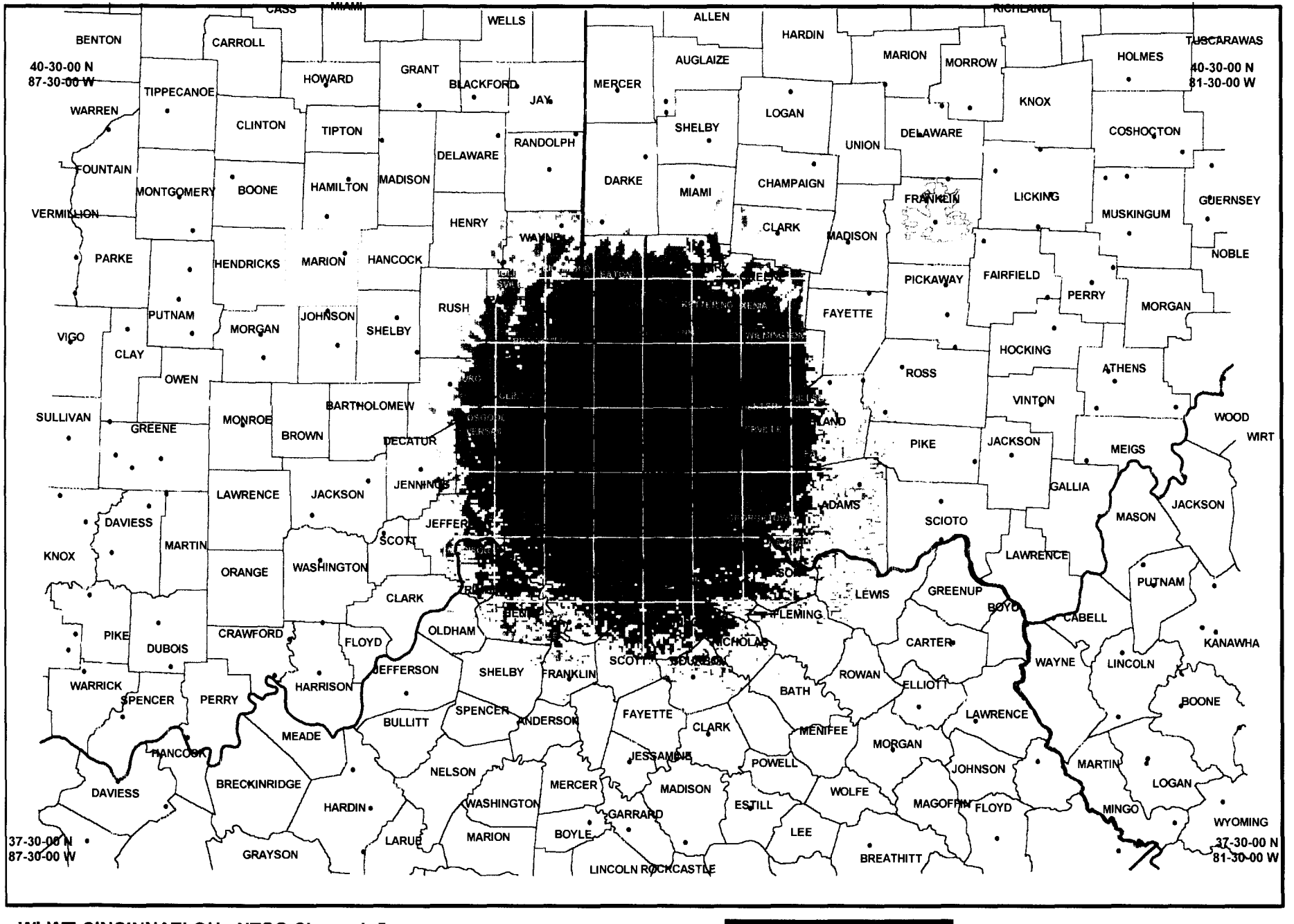
F(50/50/90) - Longley-Rice Location Variability (50%), Time Variability(50%), Confidence (90%)

Prepared for: Television Network Affiliates Associations January 11, 1999

Prepared by: TechWare, Inc.
Suite 206
14101 Parke Long Court
Chantilly, VA 20151
703-222-5842




**WLWT CINCINNATI OH NTSC Channel 5**
**Grade B = Light Blue Grade A = Dark Blue IX NTSC = Orange DTV = Brown**
**Longley-Rice Analysis**
**L = 50%, T = 50%, C = 50%**
**Prepared for NASA**
**Prepared by** TechWare, Inc. Chantilly, VA 703-222-5842




**WLWT CINCINNATI OH NTSC Channel 5**
**Grade B = Light Blue Grade A = Dark Blue IX NTSC = Orange DTV = Brown**
**Longley-Rice Analysis**
**L = 50%, T = 50%, C = 90%**
**Prepared for NASA**
**Prepared by** TechWare, Inc. Chantilly, VA 703-222-5842

0 KM 100

## KCCI Channel 8 Des Moines, Iowa

| SERVICE | FCC Grade B | | FCC Grade A | |
|---|---|---|---|---|
| | Population | Area (Square km) | Population | Area (Square km) |
| Traditionally Predicted | 919,319 | 44,786 | 683,140 | 22,310 |

| | F(50/50/50) (Grade B) | | F(50/50/50) (Grade A) | |
|---|---|---|---|---|
| | Population | Area (Square km) | Population | Area (Square km) |
| Longley-Rice Predicted | 951,386 | 47,212 | 787,762 | 29,227 |

| | F(50/50/50) (Grade B) Longley-Rice Predicted | |
|---|---|---|
| | Population | Area (Square km) |
| Terrain Limited | 951,386 | 47,212 |
| Terrain and Interference Limited | 825,420 | 33,236 |

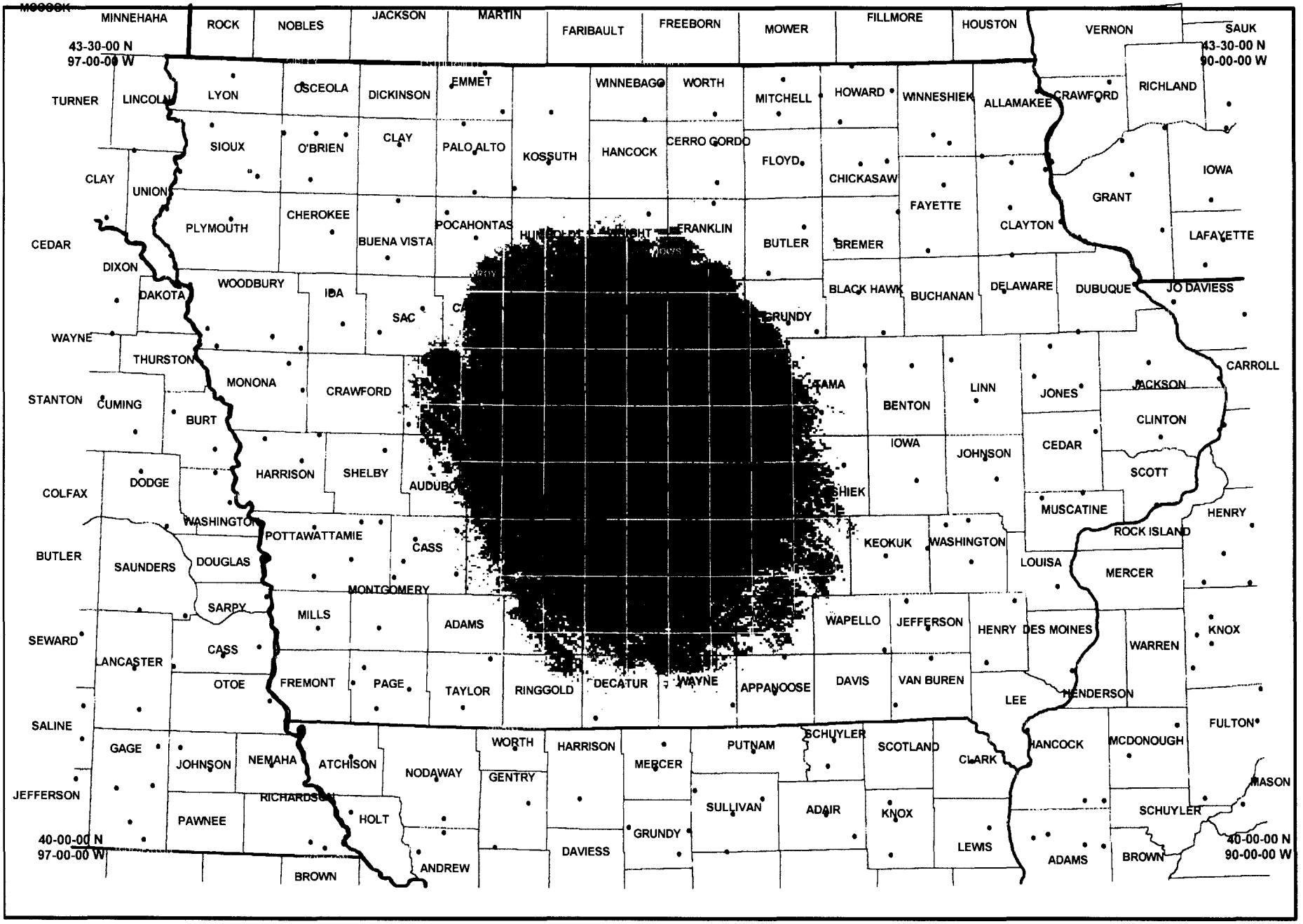
| | F(50/50/90) (Grade B) Longley-Rice Predicted | |
|---|---|---|
| | Population | Area (Square km) |
| Terrain Limited | 842,624 | 35,076 |
| Terrain and Interference Limited | 819,159 | 32,265 |

F(50/50/50) - Longley-Rice Location Variability (50%), Time Variability(50%), Confidence (50%)

F(50/50/90) - Longley-Rice Location Variability (50%), Time Variability(50%), Confidence (90%)

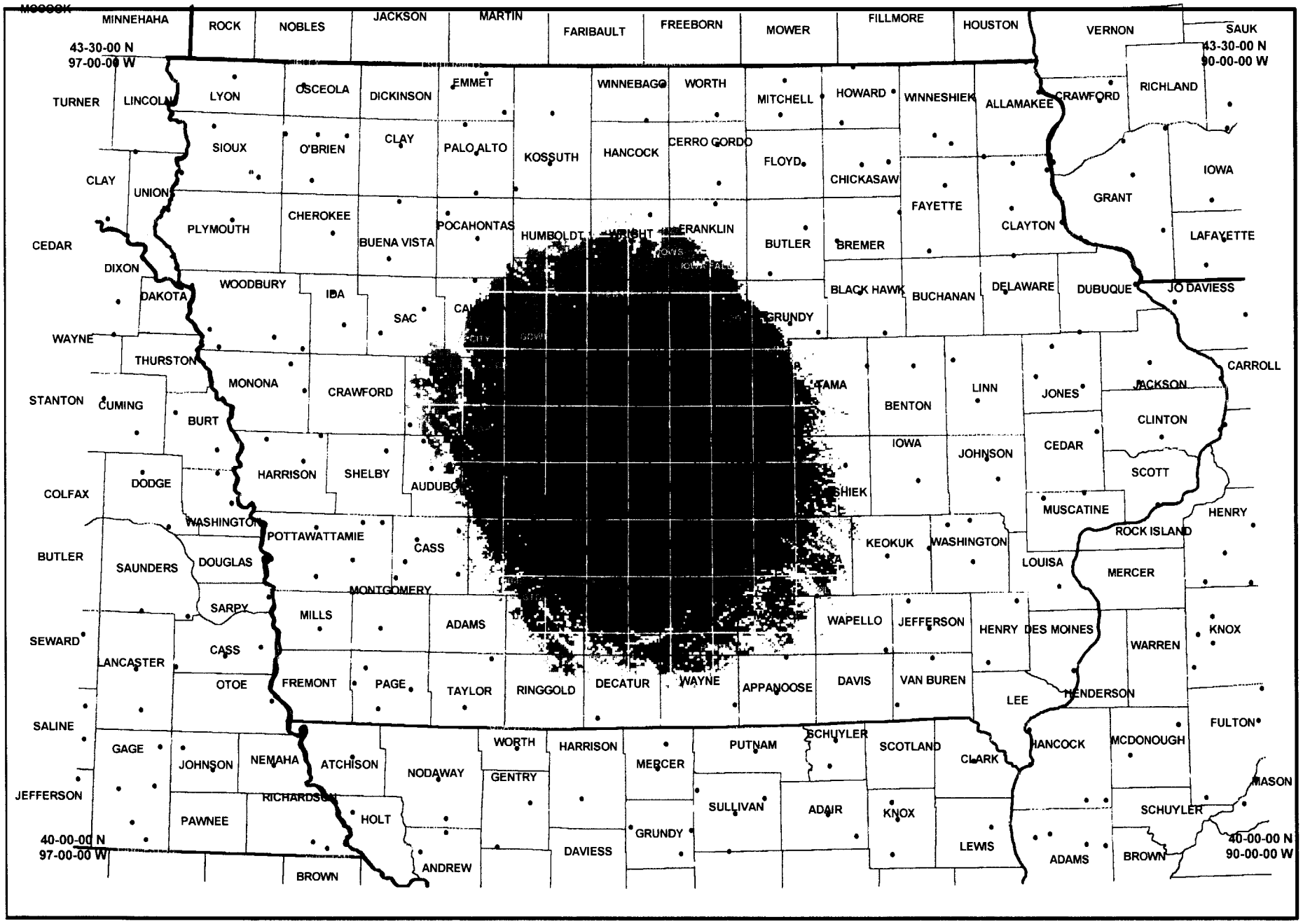
Prepared for: Television Network Affiliates Associations January 11, 1999

Prepared by: TechWare, Inc.
Suite 206
14101 Parke Long Court
Chantilly, VA 20151
703-222-5842




**KCCI DES MOINES IA NTSC Channel 8**
**Grade B = Light Blue Grade A = Dark Blue IX NTSC = Orange DTV = Brown**
**Longley-Rice Analysis**
**L = 50%, T = 50%, C = 50%**
**Prepared for NASA**
**Prepared by** TechWare, Inc. Chantilly, VA 703-222-5842

0 KM 250




**KCCI DES MOINES IA NTSC Channel 8**
**Grade B = Light Blue Grade A = Dark Blue IX NTSC = Orange DTV = Brown**
**Longley-Rice Analysis**
**L = 50%, T = 50%, C = 90%**
**Prepared for NASA**
**Prepared by** TechWare, Inc. Chantilly, VA 703-222-5842

0 KM 250

## WXII Channel 12 Winston-Salem, North Carolina

| SERVICE | FCC Grade B | | FCC Grade A | |
|---|---|---|---|---|
| | Population | Area (Square km) | Population | Area (Square km) |
| Traditionally Predicted | 2,671,680 | 45,256 | 1,451,324 | 22,553 |

| | F(50/50/50) (Grade B) | | F(50/50/50) (Grade A) | |
|---|---|---|---|---|
| | Population | Area (Square km) | Population | Area (Square km) |
| Longley-Rice Predicted | 2,567,799 | 43,656 | 1,640,552 | 23,892 |

| | F(50/50/50) (Grade B) Longley-Rice Predicted | |
|---|---|---|
| | Population | Area (Square km) |
| Terrain Limited | 2,567,799 | 43,656 |
| Terrain and Interference Limited | 1,911,023 | 29,674 |

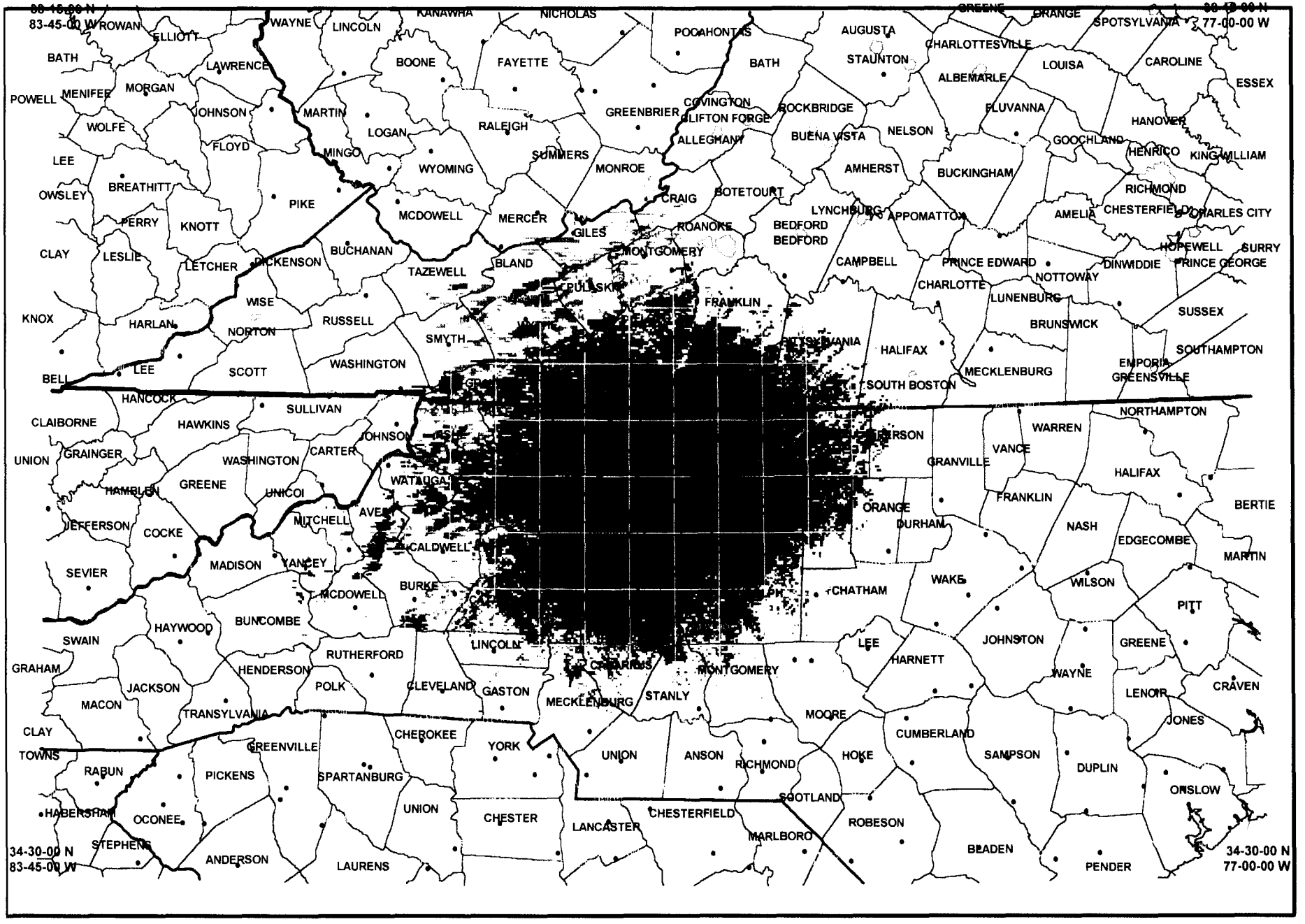
| | F(50/50/90) (Grade B) Longley-Rice Predicted | |
|---|---|---|
| | Population | Area (Square km) |
| Terrain Limited | 2,000,120 | 31,094 |
| Terrain and Interference Limited | 1,828,610 | 26,931 |

F(50/50/50) - Longley-Rice Location Variability (50%), Time Variability(50%), Confidence (50%)

F(50/50/90) - Longley-Rice Location Variability (50%), Time Variability(50%), Confidence (90%)

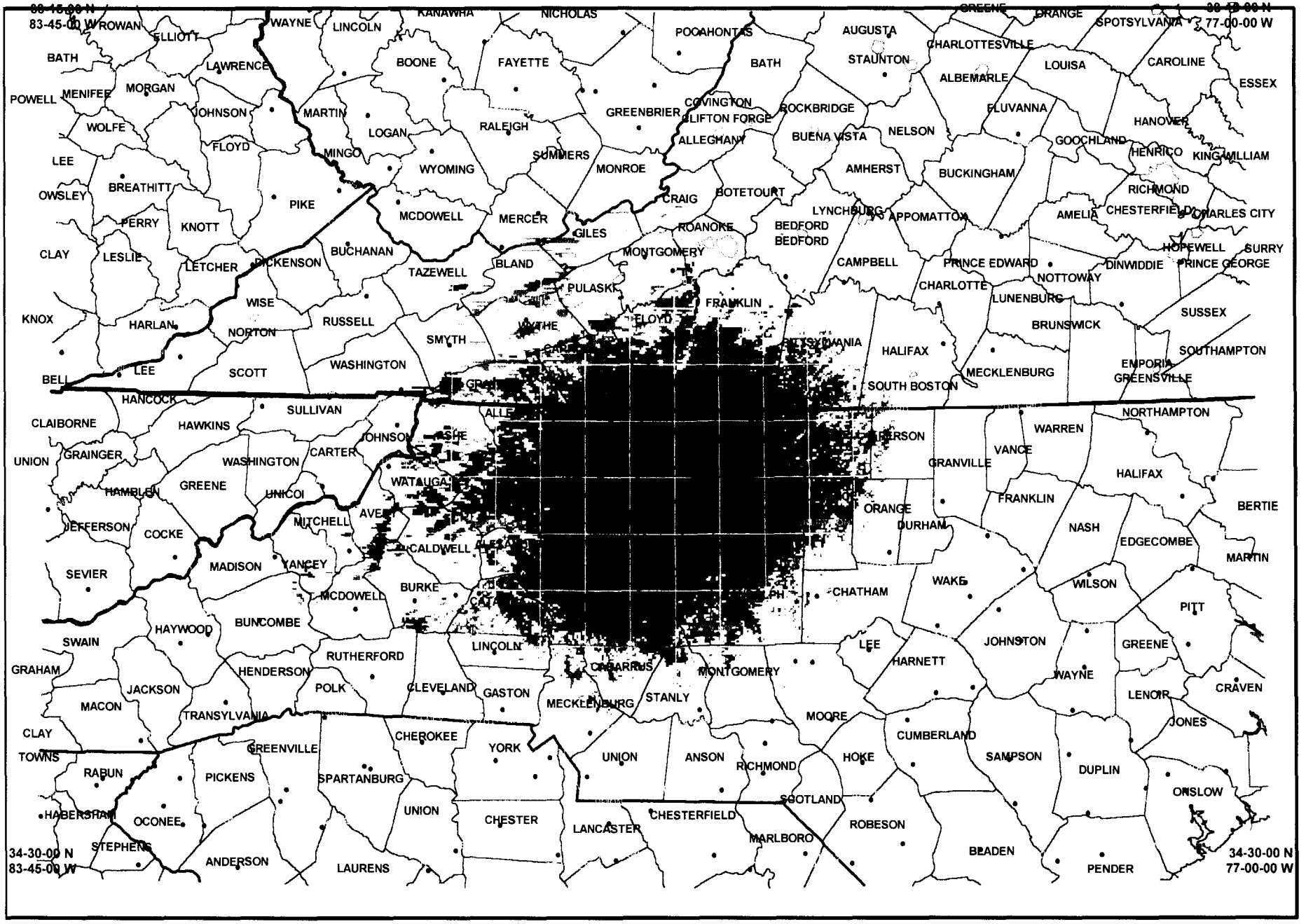
Prepared for: Television Network Affiliates Associations January 11, 1999

Prepared by: TechWare, Inc.
Suite 206
14101 Parke Long Court
Chantilly, VA 20151
703-222-5842




**WXII WINSTON-SALEM NC NTSC Channel 12**
**Grade B = Light Blue Grade A = Dark Blue IX NTSC = Orange DTV = Brown**
**Longley-Rice Analysis**
**L = 50%, T = 50%, C = 50%**
**Prepared for NASA**
**Prepared by** TechWare, Inc. Chantilly, VA 703-222-5842

0 KM 250




**WXII WINSTON-SALEM NC NTSC Channel 12**
**Grade B = Light Blue Grade A = Dark Blue IX NTSC = Orange DTV = Brown**
**Longley-Rice Analysis**
**L = 50%, T = 50%, C = 90%**
**Prepared for NASA**
**Prepared by** TechWare, Inc. Chantilly, VA 703-222-5842

0 KM 250

## KCRA Channel 3 Sacramento, California

| SERVICE | FCC Grade B | | FCC Grade A | |
|---|---|---|---|---|
| | Population | Area (Square km) | Population | Area (Square km) |
| Traditionally Predicted | 8,625,838 | 51,196 | 2,908,942 | 16,465 |

| | F(50/50/50) (Grade B) | | F(50/50/50) (Grade A) | |
|---|---|---|---|---|
| | Population | Area (Square km) | Population | Area (Square km) |
| Longley-Rice Predicted | 6,888,837 | 57,170 | 3,049,698 | 29,695 |

| | F(50/50/50) (Grade B) Longley-Rice Predicted | |
|---|---|---|
| | Population | Area (Square km) |
| Terrain Limited | 6,888,837 | 57,170 |
| Terrain and Interference Limited | 3,503,077 | 48,928 |

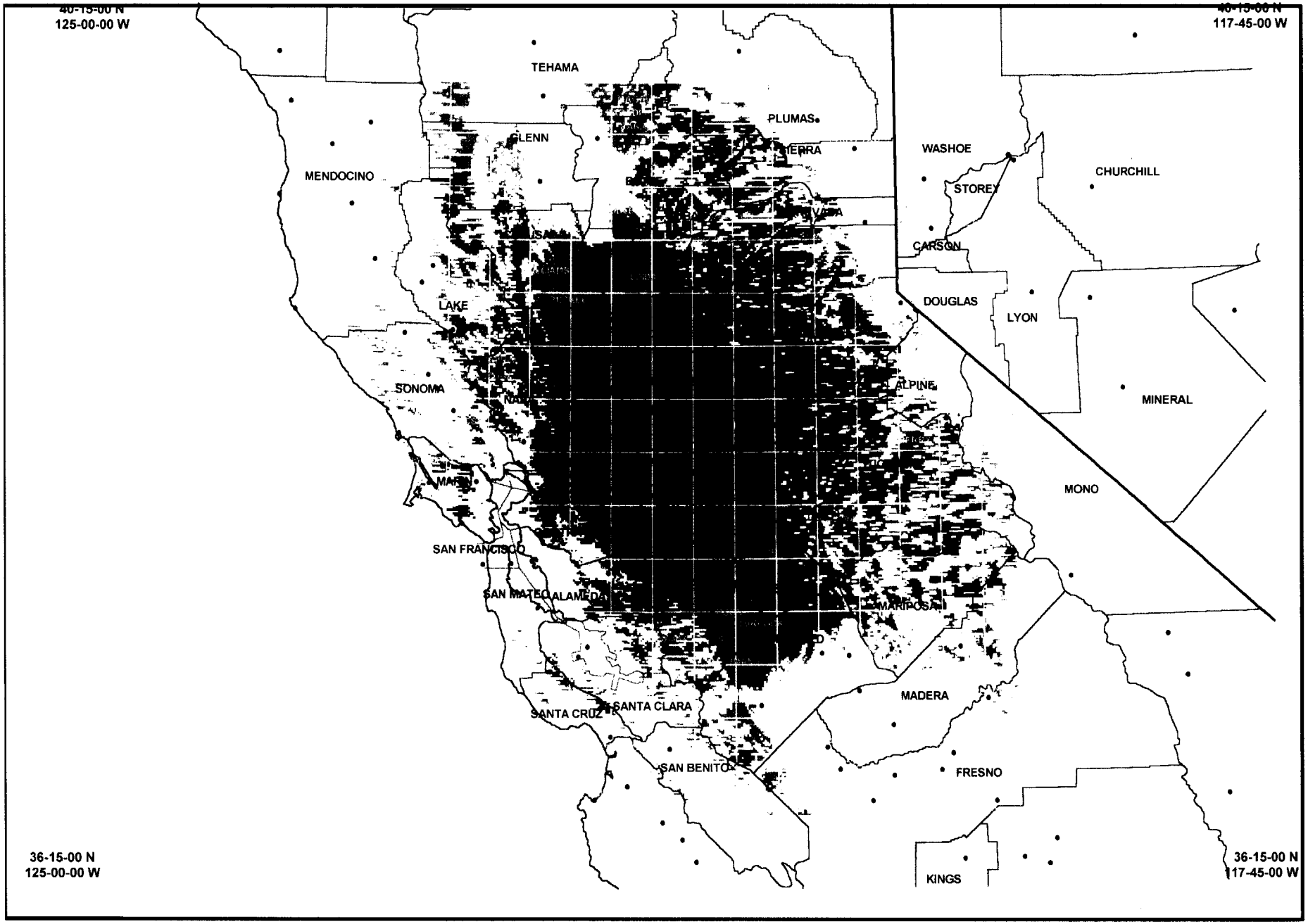
| | F(50/50/90) (Grade B) Longley-Rice Predicted | |
|---|---|---|
| | Population | Area (Square km) |
| Terrain Limited | 5,168,790 | 45,628 |
| Terrain and Interference Limited | 3,373,968 | 41,697 |

F(50/50/50) - Longley-Rice Location Variability (50%), Time Variability(50%), Confidence (50%)

F(50/50/90) - Longley-Rice Location Variability (50%), Time Variability(50%), Confidence (90%)

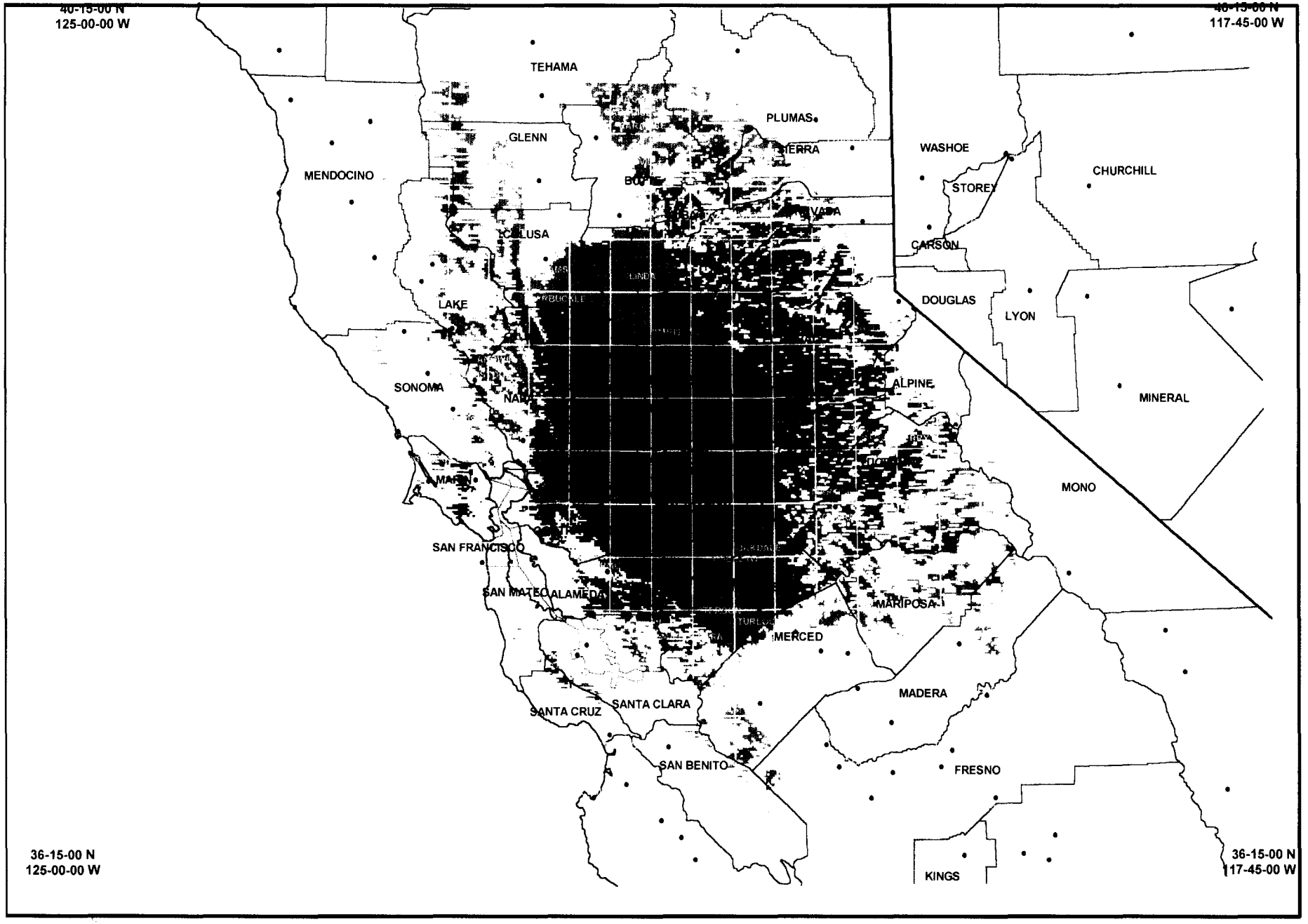
Prepared for: Television Network Affiliates Associations January 11, 1999

Prepared by: TechWare, Inc.
Suite 206
14101 Parke Long Court
Chantilly, VA 20151
703-222-5842




**KCRA SACRAMENTO CA NTSC Channel 3**
**Grade B = Light Blue Grade A = Dark Blue IX NTSC = Orange DTV = Brown**
**Longley-Rice Analysis**
**L = 50%, T = 50%, C = 50%**
**Prepared for NASA**
**Prepared by** TechWare, Inc. Chantilly, VA 703-222-5842

0 KM 250




**KCRA SACRAMENTO CA NTSC Channel 3**
**Grade B = Light Blue Grade A = Dark Blue IX NTSC = Orange DTV = Brown**
**Longley-Rice Analysis**
**L = 50%, T = 50%, C = 90%**
**Prepared for NASA**
**Prepared by TechWare, Inc. Chantilly, VA 703-222-5842**

0 KM 250

## Longley-Rice Individual Mode Analysis Results
## Analysis Based on 50% Time Variability, 50% Confidence
## Grade B Signal Level Prediction

| Call Sign | City | State | Channel | Terrain Limited Service | |
|---|---|---|---|---|---|
| | | | | Population | Area |
| WLWT | CINCINNATI | OH | 5 | 3,348,525 | 37,696 |
| KCCI | DES MOINES | IA | 8 | 951,386 | 47,212 |
| WXII | WINSTON-SALEM | NC | 12 | 2,567,799 | 43,656 |
| KCRATV | SACRAMENTO | CA | 3 | 6,888,837 | 57,170 |

## Longley-Rice Individual Mode Analysis Results
## Analysis Based on 50% Time Variability, 90% Confidence
## Grade B Signal Level Prediction

| Call Sign | City | State | Channel | Terrain Limited Service | |
|---|---|---|---|---|---|
| | | | | Population | Area |
| WLWT | CINCINNATI | OH | 5 | 2,320,719 | 19,034 |
| KCCI | DES MOINES | IA | 8 | 792,714 | 29,536 |
| WXII | WINSTON-SALEM | NC | 12 | 1,636,077 | 23,607 |
| KCRATV | SACRAMENTO | CA | 3 | 3,942,526 | 38,113 |

Prepared for: Television Network Affiliate Associations January 11, 1999

Prepared by: TechWare, Inc.
Suite 206
14101 Parke Long Court
Chantilly, VA 20151
703-222-5842

decision mark™

**Declaration of Kenneth A. Franken**

I, Kenneth A. Franken, hereby declare as follows:

1. I am Kenneth A. Franken, Product Development Manager at Decisionmark Corp.

2. I have eight years of computer programming experience, including more than three years of experience in the development of software for numerical simulations. In addition, I have two years of experience in the development of GIS/mapping software and the analysis of geographic data. I also possess two years of experience in the development of software designed for purposes of aiding compliance with the Satellite Home Viewer Act ("SHVA"), including, in particular, the preparation of signal area maps based on the Longley-Rice Irregular Terrain Model. I have been responsible for the development of the software and data used in Decisionmark's ProximityTV, a SHVA compliance tool. ProximityTV is used by approximately 75% of the commercial television stations affiliated with one of the four major networks (ABC, CBS, Fox, and NBC). I also developed much of the software used to process data in the broadcasting industry-Primestar-Netlink "Red Light/Green Light" agreement.

3. I prepared the accompanying signal area maps and data summaries at the request of the Television Network Affiliate Associations (the "Affiliate Associations") for use by the Affiliate Associations in response to the *Notice of Proposed Rule Making*, FCC 98-302, released November 17, 1998, in the matter of Satellite Delivery of Network Signals to Unserved Households for Purposes of the Satellite Home Viewer Act.

4. I geocoded twelve sites located in WTVD (TV)'s signal area. Of these twelve sites, only one, the site located at 3647 Spanish Oak Hill Road, Snow Camp, North Carolina, was predicted to receive both a signal of at least Grade B intensity and objectionable interference.

5. These maps and their accompanying data are true and correct to the best of my information, knowledge, and belief.

This the 14th day of January, 1999.

Kenneth A. Franken
Product Development Manager

Decisionmark Corp. 200 Second Avenue, S.E., Suite 300, Cedar Rapids, Iowa 52401-1201
Telephone 319.365.5597 FAX 319.365.5694 www.decisionmark.com

### *WFLX, West Palm Beach, FL (FOX, 29)*

| | *Pop 1990* | *HH 1990* | *Area (sq. km)* |
|---|---|---|---|
| FCC B | 4,382,602 | 1,723,511 | 16,339 |
| L/R B (Conf=50) | 4,488,557 | 1,761,373 | 16,603 |
| L/R B (Conf=90) | 4,298,032 | 1,690,772 | 12,020 |
| L/R A (Conf=50) | 3,973,478 | 1,576,987 | 8,074 |
| L/R B w/ Int (Conf=50) | 4,476,922 | 1,757,965 | 14,266 |
| L/R B w/ Int (Conf=90) | 4,296,335 | 1,690,185 | 11,332 |

### *WCCB, Charlotte, NC (FOX, 18)*

| | *Pop 1990* | *HH 1990* | *Area (sq. km)* |
|---|---|---|---|
| FCC B | 2,050,567 | 781,452 | 24,191 |
| L/R B (Conf=50) | 2,266,091 | 866,094 | 26,954 |
| L/R B (Conf=90) | 1,880,062 | 717,043 | 20,503 |
| L/R A (Conf=50) | 1,773,805 | 675,306 | 19,279 |
| L/R B w/ Int (Conf=50) | 1,517,641 | 574,251 | 16,656 |
| L/R B w/ Int (Conf=90) | 1,449,955 | 548,978 | 14,941 |

### *WXMI, Grand Rapids, MI (FOX, 17)*

| | *Pop 1990* | *HH 1990* | *Area (sq. km)* |
|---|---|---|---|
| FCC B | 2,078,717 | 748,410 | 25,667 |
| L/R B (Conf=50) | 2,165,658 | 780,926 | 28,129 |
| L/R B (Conf=90) | 1,865,484 | 674,569 | 22,494 |
| L/R A (Conf=50) | 1,786,784 | 644,947 | 21,295 |
| L/R B w/ Int (Conf=50) | 1,806,111 | 649,256 | 23,177 |
| L/R B w/ Int (Conf=90) | 1,756,989 | 634,220 | 20,862 |

### *WTVD, Durham, NC (ABC, 11)*

| | *Pop 1990* | *HH 1990* | *Area (sq. km)* |
|---|---|---|---|
| FCC B | 2,327,531 | 861,199 | 38,409 |
| L/R B (Conf=50) | 2,581,544 | 958,156 | 43,105 |
| L/R B (Conf=90) | 2,111,014 | 779,603 | 32,494 |
| L/R A (Conf=50) | 1,858,855 | 685,177 | 26,376 |
| L/R B w/ Int (Conf=50) | 1,995,441 | 734,234 | 31,534 |
| L/R B w/ Int (Conf=90) | 1,880,806 | 693,054 | 28,146 |

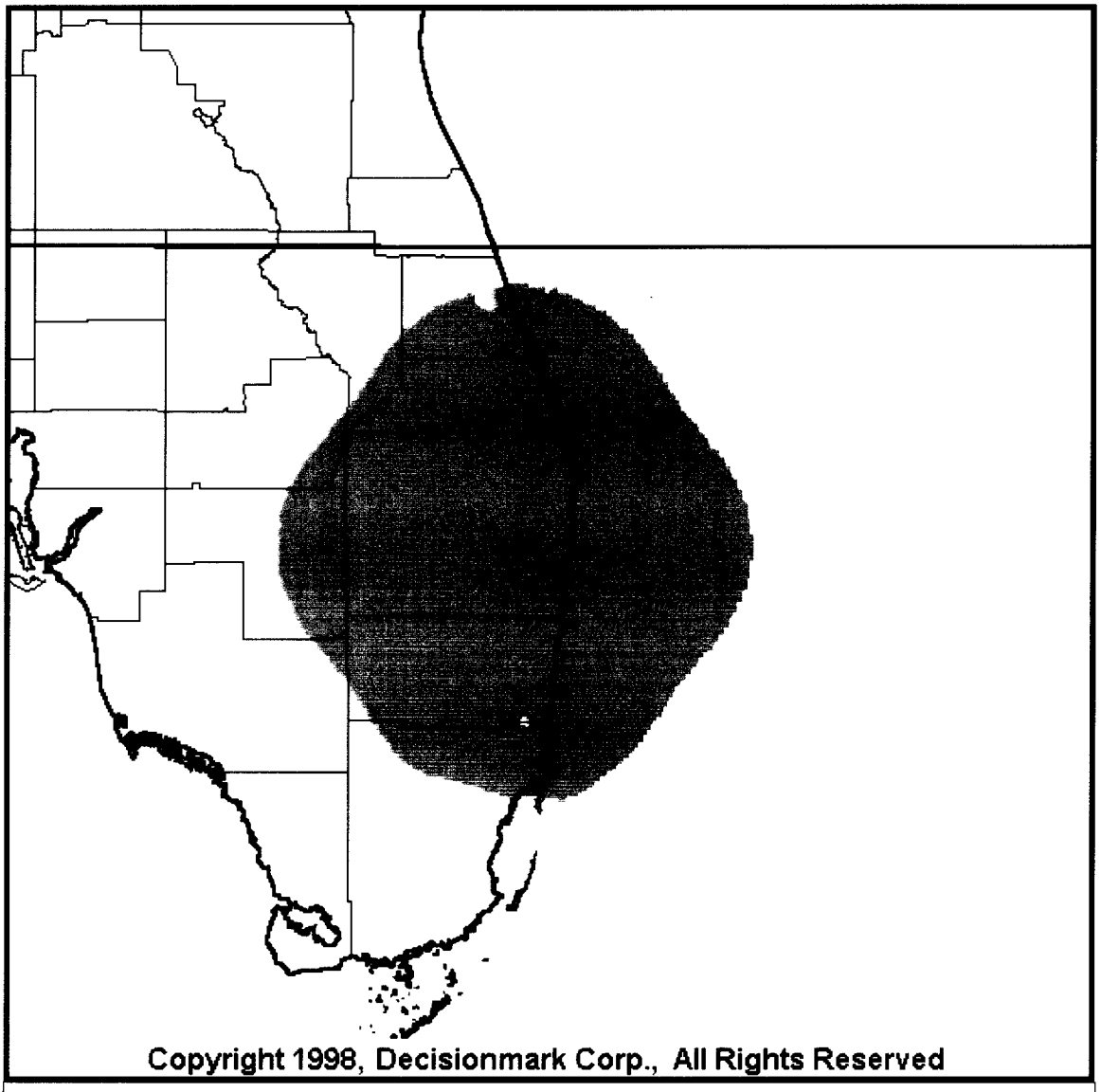
Notes:
All Longley-Rice calculations were performed using 50% time and 50% location inputs. Interference calculations considered co-channel, adjacent channel and UHF taboo channel interference.

Prepared by Decisionmark Corp.

# WFLX (Fox, Channel 29)

***West Palm Beach, Florida***

Predicted Signal Areas

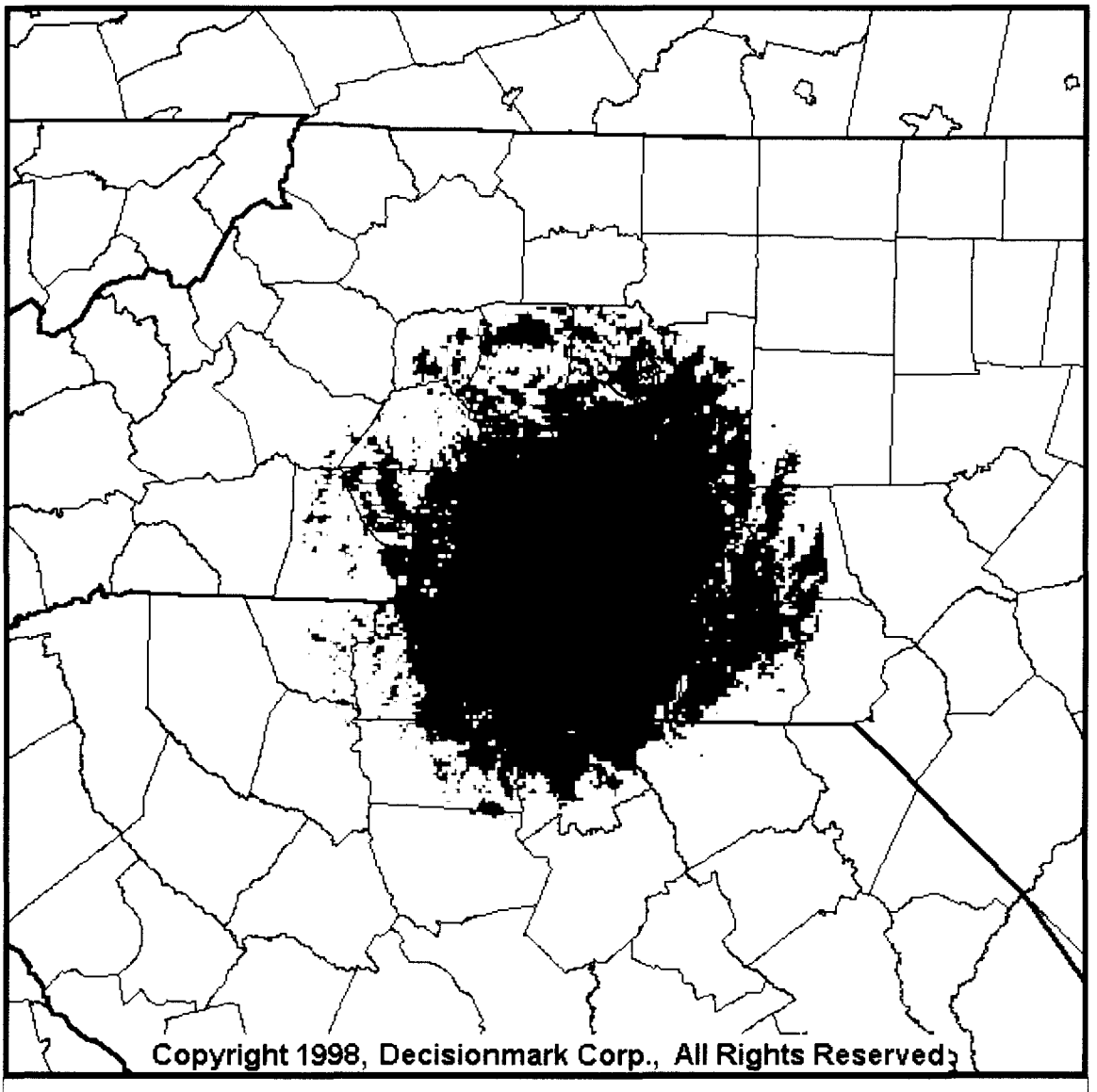



▲ Tower Location
Grade B
IX NTSC
Longley-Rice Analysis
L = 50%, T = 50%, C = 50%

# WCCB (FOX, Channel 18)

***Charlotte, North Carolina***

Predicted Signal Areas

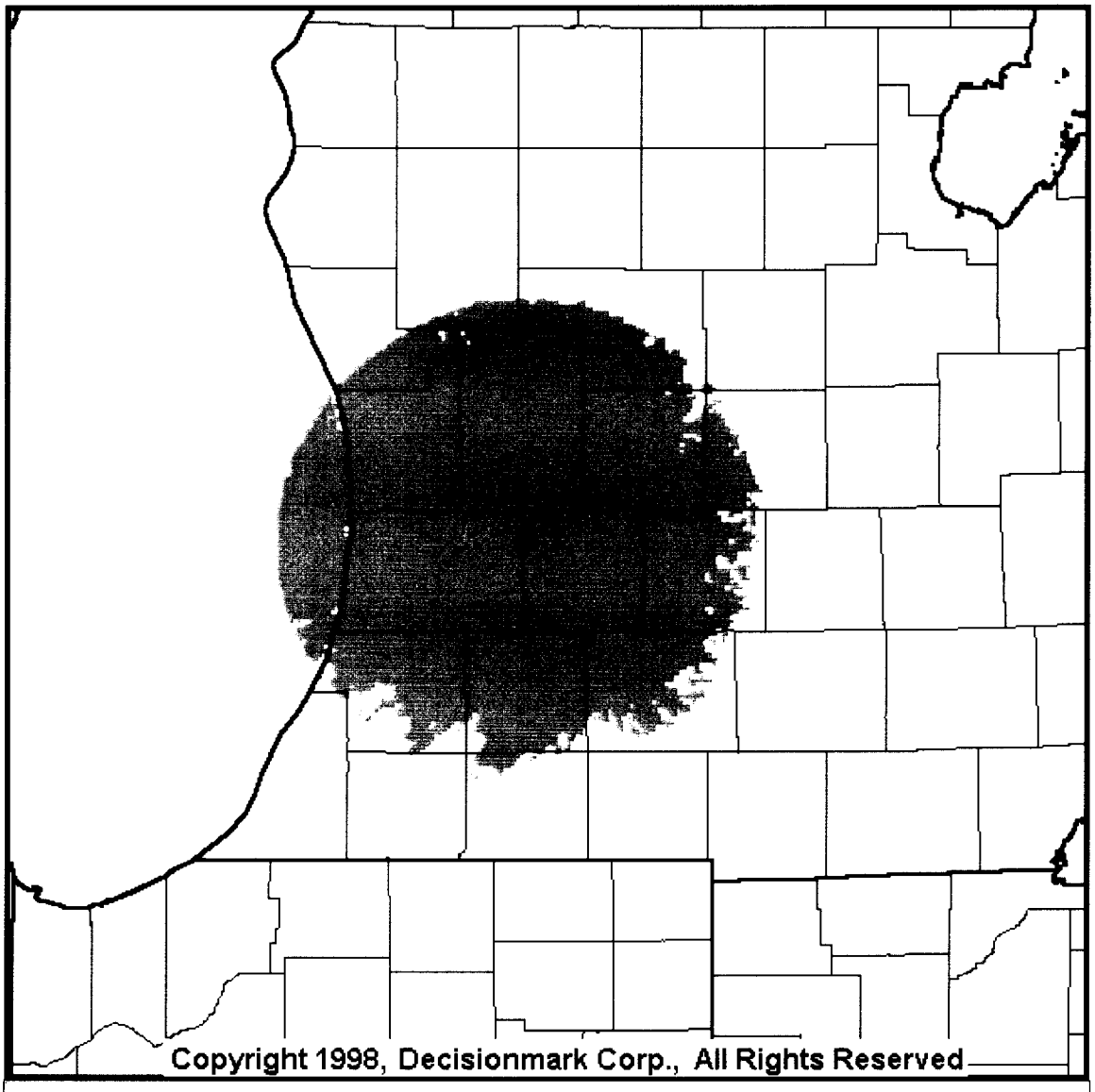



▲ Tower Location
Grade B
IX NTSC
Longley-Rice Analysis
L = 50%, T = 50%, C = 50%

# WXMI (Fox, Channel 17)

***Grand Rapids, Michigan***

Predicted Signal Areas

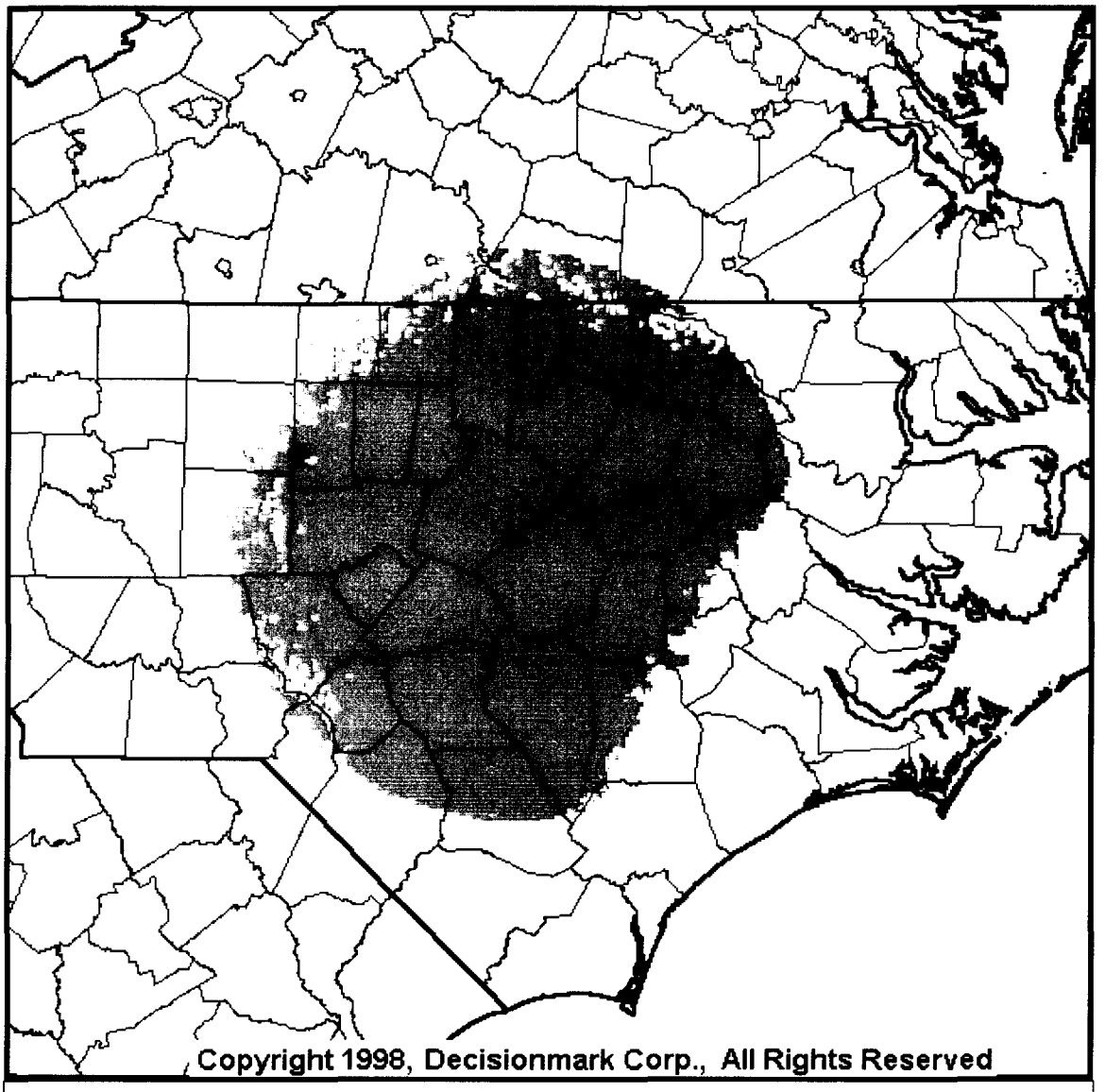



▲ Tower Location
Grade B
IX NTSC
Longley-Rice Analysis
L = 50%, T = 50%, C = 50%

# WTVD (ABC, Channel 11)

***Durham, North Carolina***

Predicted Signal Areas




▲ Tower Location

Grade B

IX NTSC

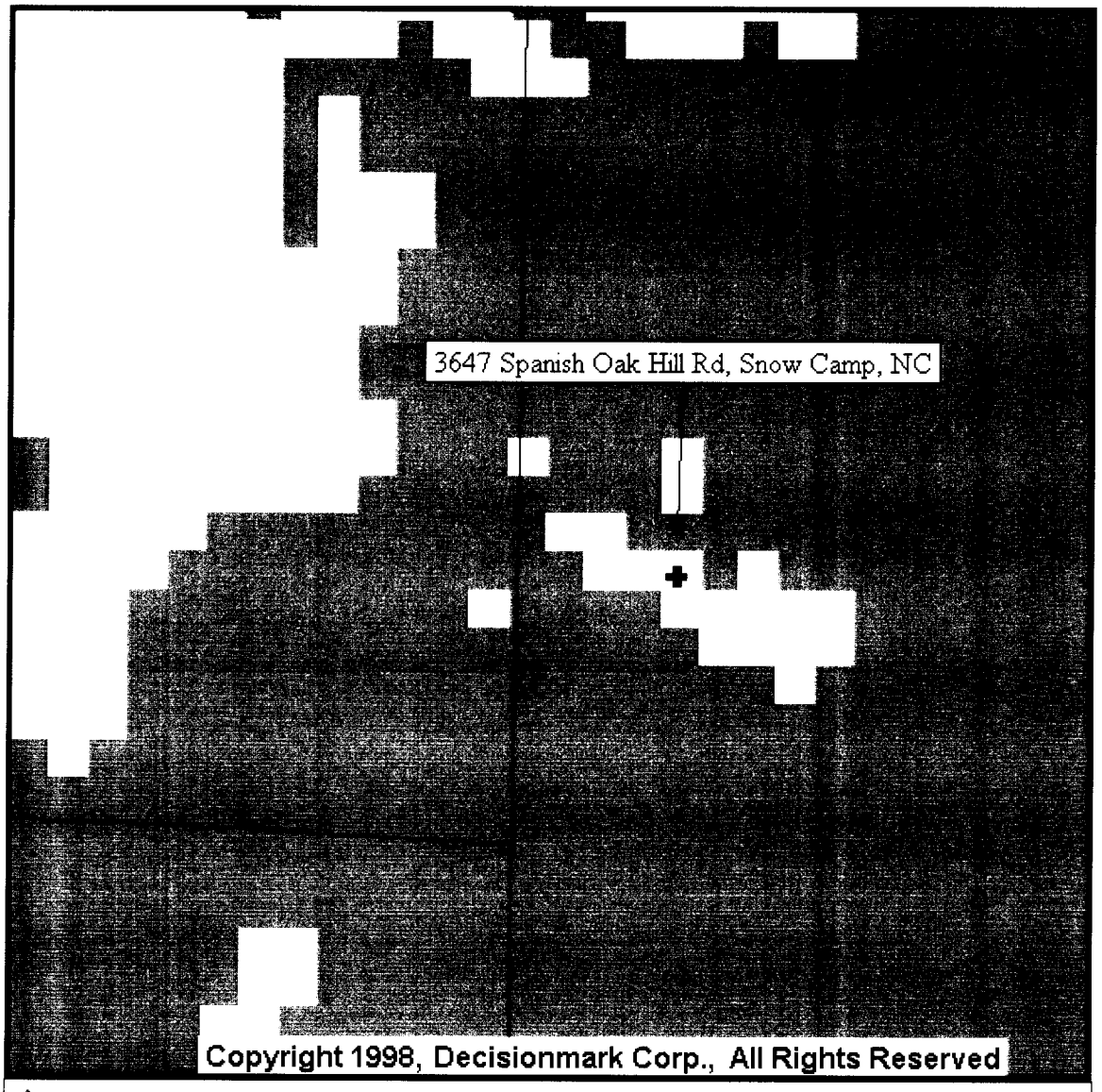
Longley-Rice Analysis

L = 50%, T = 50%, C = 50%

# WTVD (ABC, Channel 11)

***Durham, North Carolina***

Predicted Signal Areas




Grade B
IX NTSC
Longley-Rice Analysis
L = 50%, T = 50%, C = 50%