

**MULTIPLE SERVICES STUDY**

**KATE (AM) – Albert Lea, MN**

**KAUS (AM) – Austin, MN**

**KAUSFM – Austin, MN**

**KCPI (FM) – Albert Lea, MN**

**KLSSF – Mason City, IA**

**KRIB (AM) – Mason City IA**

**KYTC (FM) – Northwood, IA**

**April 2000**

COPYRIGHT 2000

**MUNN-REESE, INC.**  
Broadcast Engineering Consultants  
Coldwater, MI 49036

## ENGINEERING STATEMENT

This firm was retained to determine the number of principal community radio contours available from stations authorized for commercial service within the radio market defined by the principal community contours of KATE (AM), Albert Lea, MN; KAUS (AM), Austin, MN, KAUSFM, Austin, MN; KCPI (FM), Albert Lea, MN, KLSSFM, Mason City, IA; KRIB, Mason City, IA, and KYTC (FM), Northwood, IA.

The existing facilities of the stations included in this report were determined by the use of currently updated copies of the FCC computer databases of AM and FM stations. The listed facilities served as the basis for the computation of the respective principal community contours as defined in §73.3555 (a)(4)(i) of the Rules. The accuracy of the results of this study is understood to be limited to the accuracy of these databases. The FCC databases give no indication of licensed facilities which may be inoperative, construction permit facilities which may now be operating under program test authority (but have not yet been issued a license), facilities which may have been licensed since the last update, or non-commercial stations operating within the AM band. Therefore, some stations may have been included or excluded erroneously. However, unless otherwise indicated, all licensed facilities known to be inoperative and all known non-commercially licensed stations, as well as application and construction permit facilities, have been eliminated from consideration in this study.

For AM stations, Map M-3 soil conductivity values and the authorized licensed transmitting facilities served as the basis for the computation of the predicted 5.0 mV/m groundwave contour in accordance with §73.183 of the FCC Rules. The distance to the contour was computed for seventy-two (72) equally spaced azimuths beginning with 0° True. For FM stations, the authorized Center of Radiation and ERP values were utilized to compute the predicted 3.16 mV/m (70 dBu) contour as provided in §73.313 of the Rules. The predicted FM contours shown in this report are based on the use of 72 equally spaced terrain radials beginning with 0° True.

The radio market has been defined, in accordance with §73.3555 (a)(4)(ii) of the FCC Rules, as the area within the total perimeter formed by the combined principal community contours of KATE(AM), KAUS(AM), KAUSFM, KCPI(FM), KLSSFM, KRIB(AM) and KYTC(FM). Figure 1 shows only the seven (7) contours on a map indicating the boundaries of the defined radio market area. Figure 1A is a map of the eight (8) stations all under common control. Station KEEZ-FM, Mankato, MN, is also under common control but does not enter into the market. KEEZ-FM has been designated with a dotted red line in Figure 1A.

These contours are also shown in Figure 3 and Figure 4 of this report along with the other principal community contours entering the market. The market defining contours have been shown with green dashed lines on these maps. The other AM contours

have been shown in Figure 2 with solid red lines, and the other FM contours have been shown in Figure 3 with solid black lines.

In addition to the seven (7) stations defining the market area, the principal community contours of the eleven (11) other AM stations and eighteen (18) other FM stations entering the market are shown in Figures 3 and 4, respectively. Including the seven (7) stations which define the market area, there is a total of thirty-six (36) aural services in this market. Thus, the market falls within the limitations set forth in §73.3555 (a)(1)(ii) for markets in which seven stations, not more than four of which are in the same service, can be under common control. Figure 4 lists the facilities of the individual stations used in this report. The stations defining the radio market have been shown in ***bold, italic*** print in Figure 4.

**CERTIFICATION**

I hereby certify, subject to penalties for perjury, that the contents of this Engineering Statement are true and accurate to the best of my knowledge and belief.

April 17, 2000

**MUNN-REESE, INC.**

By Justin W. Asher  
Justin W. Asher, Project Engineer

P.O. Box 220  
Coldwater, MI 49036

By Wayne S. Reese  
Wayne S. Reese, President

517-278-7339

**MUNN-REESE, INC.**  
Broadcast Engineering Consultants  
Coldwater, MI 49036

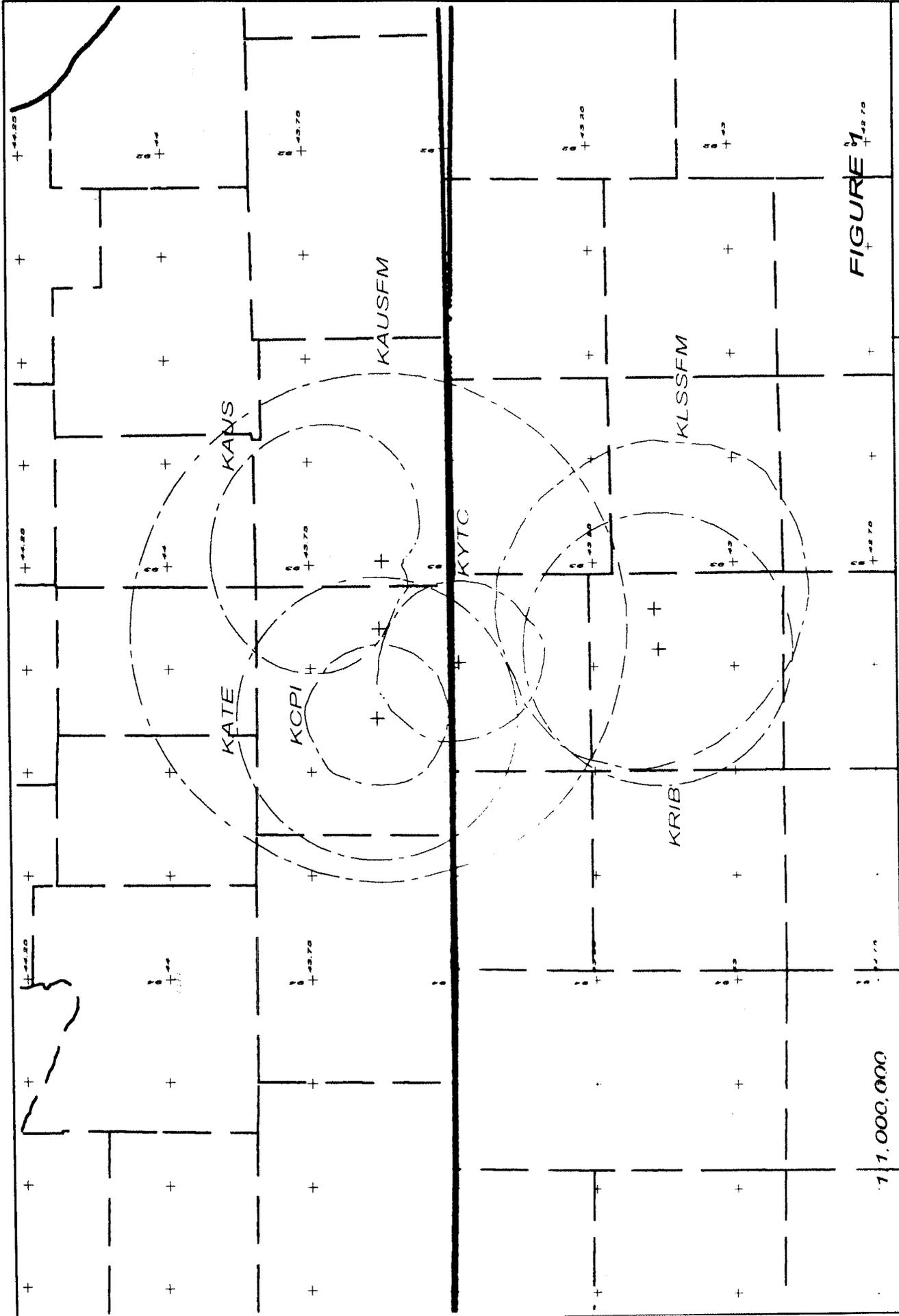
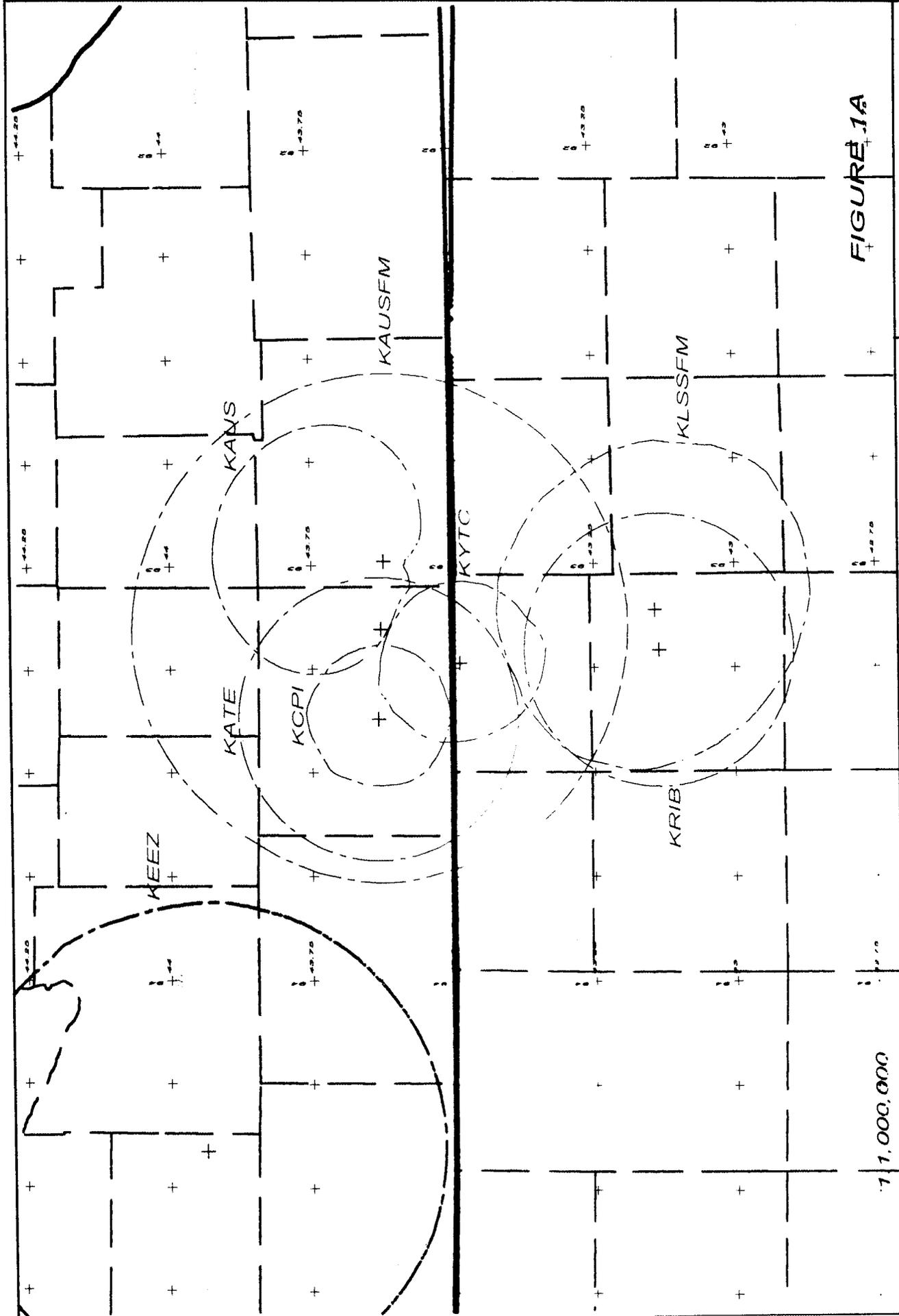


FIGURE 1

Three Eagles Stations  
Munn-Reese Inc. - 04/00

Pertinent Stations in Duopoly Study  
N. Lat. 43 30 00 W. Lng. 93 15 00

Scale in km  
0 10 20 30 40 50 60 70



Three Eagles Stations  
Munn-Reese Inc. - 04/00

Pertinent Stations in Duopoly Study  
N. Lat. 43 30 00 W. Lng. 93 15 00

Scale in km  
0 10 20 30 40 50 60 70

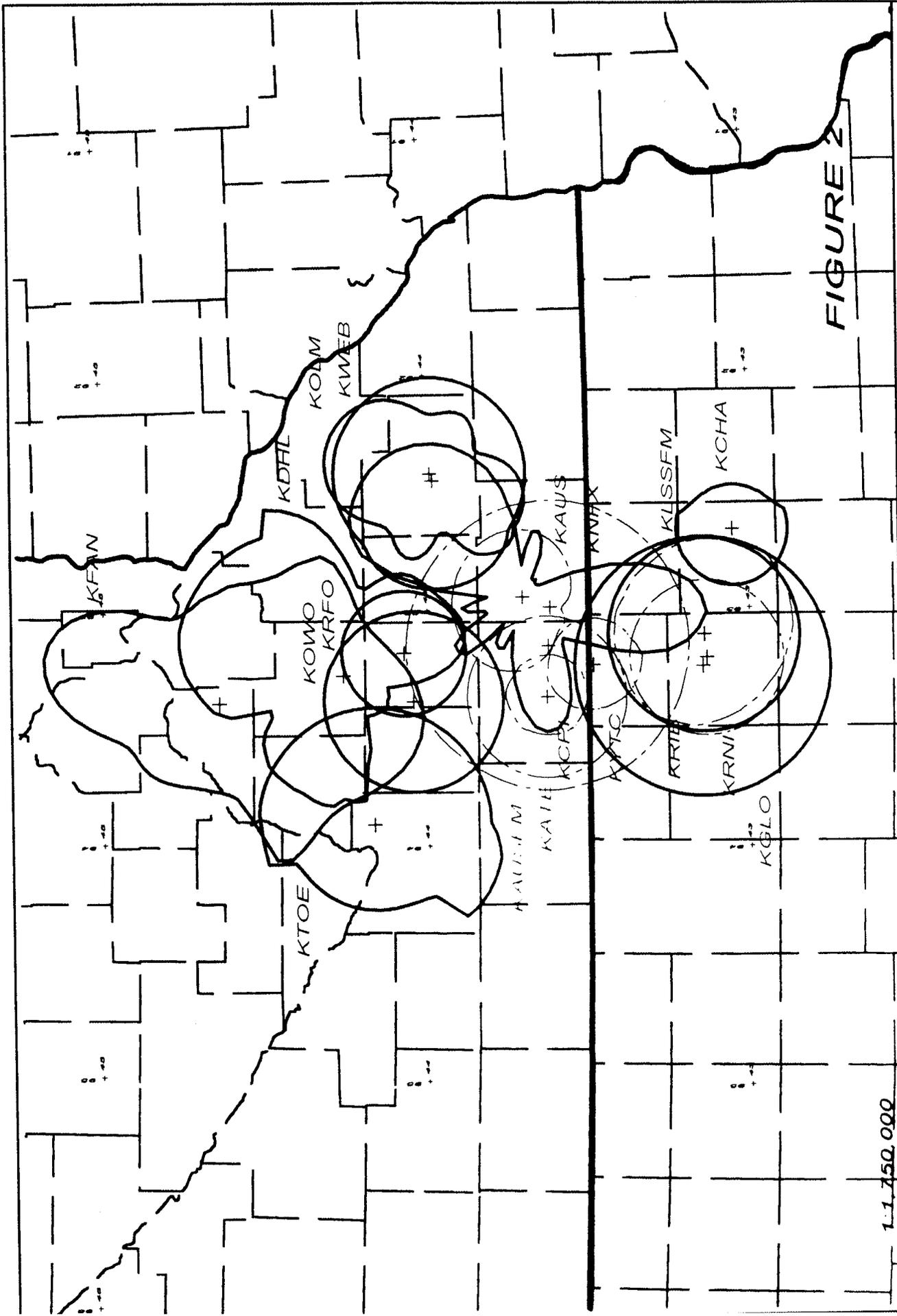


FIGURE 2

Three Eagles Stations  
Munn-Reese, Inc. - 04/00

AM STATIONS ENTERING THE MARKET

N. Lat. 43 55 00 W. Lng. 93 15 00

1:1,750,000

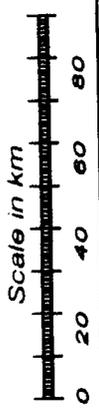




FIGURE 4

## FACILITIES SHOWN IN MULTIPLE SERVICES STUDY

<u>Station Number</u>	<u>Call Sign</u>	<u>Frequency (kHz)</u>	<u>Power (kW)</u>	AM STATIONS		<u>City</u>	<u>State</u>	
				<u>Pattern (DA/NDA)</u>	<u>North Latitude</u> <u>West Longitude</u>			
1	<i>KATE</i>	1450	1.0	NDA	43-38-00	93-22-15	Albert Lea	MN
2	<i>KAUS</i>	1480	1.0	DA	43-37-20	92-59-26	Austin	MN
3	<i>KRIB</i>	1490	1.0	NDA	43-08-06	93-12-28	Mason City	IA
4	KCHA	1580	0.5	NDA	43-03-05	92-40-00	Charles City	IA
5	KDLH	0920	5.0	DA	44-15-47	93-16-29	Faribault	MN
6	KFAN	1130	5	DA	44-38-48	93-23-31	Minneapolis	MN
7	KGLO	1300	5.0	NDA	43-08-50	93-14-39	Mason City	IA
8	KNFX	0970	5	DA	43-42-47	92-56-45	Austin	MN
9	KOLM	1520	10	DA	43-59-13	92-25-05	Rochester	MN
10	KOWO	1170	1.0	NDA	44-02-45	93-23-08	Waseca	MN
11	KRFO	1390	0.5	NDA	44-04-29	93-10-46	Owatonna	MN
12	KRNI	1010	0.7	NDA	43-08-31	93-06-40	Mason City	IA
13	KTOE	1420	5	NDA	44-10-06	93-54-37	Mankato	MN
14	KWEB	1270	5	DA	43-58-47	92-26-51	Rochester	MN

Stations that define the Radio Market are designated by *bold italic print*.

FIGURE 4

## FACILITIES SHOWN IN MULTIPLE SERVICES STUDY

## FM STATIONS

<u>Station Number</u>	<u>Call Sign</u>	<u>Frequency (MHz)</u>	<u>ERP (kW)</u>	<u>HAAT (meters)</u>	<u>North Latitude</u>	<u>West Longitude</u>	<u>City</u>	<u>State</u>
15	KRUE	92.1	25	87	44-02-45	93-23-08	Waseca	MN
16	KIAI	93.9	100	241	43-10-04	93-06-05	Mason City	IA
<b>17</b>	<b>KCPI</b>	<b>94.9</b>	<b>3.5</b>	<b>92</b>	<b>43-38-00</b>	<b>93-22-15</b>	<b>Albert Lea</b>	<b>MN</b>
18	KCHAFM	95.9	3	91	43-03-05	92-40-00	Charles City	IA
19	KQPR	96.1	6	100	43-36-58	93-12-47	Albert Lea	MN
20	KWWK	96.5	43	161	44-01-59	92-36-10	Rochester	MN
21	KNXR	97.5	100	317	44-02-28	92-20-25	Rochester	MN
22	KCMR	97.9	6	96	43-07-18	93-11-50	Mason City	IA
<b>23</b>	<b>KAUSFM</b>	<b>99.9</b>	<b>100</b>	<b>283</b>	<b>43-37-42</b>	<b>93-09-12</b>	<b>Austin</b>	<b>MN</b>
24	KRCH	101.7	39	169	44-06-59	92-41-22	Rochester	MN
<b>25</b>	<b>KYTC</b>	<b>102.7</b>	<b>6</b>	<b>97</b>	<b>43-29-18</b>	<b>93-14-12</b>	<b>Northwood</b>	<b>IA</b>
26	KLKK	103.1	6	94	43-03-58	93-22-53	Clear Lake	IA
27	KWMM	103.7	6	47	43-19-20	92-51-22	Osage	IA
28	KVGO	104.3	2.8	144	43-33-46	92-25-29	Spring Valley	MN
29	KJLY	104.5	50	138	43-39-41	94-06-29	Blue Earth	MN
30	KLMJ	104.9	6	91	42-49-45	93-11-10	Hampton	IA
31	KRFOFM	104.9	4.7	53	44-04-29	93-10-46	Owatonna	MN
32	KYBA	105.3	50	150	43-40-23	92-41-54	Stewartville	MN
<b>33</b>	<b>KLSSFM</b>	<b>106.1</b>	<b>12</b>	<b>85</b>	<b>43-08-06</b>	<b>93-12-28</b>	<b>Mason City</b>	<b>IA</b>
34	KROCFM	106.9	100	338	43-34-15	92-25-37	Rochester	MN
35	KIOW	107.3	25	100	43-17-02	93-37-50	Forest City	IA
36	KOWZ	100.9	100	189	44-02-46	93-23-03	Blooming Prairie	MN

Stations that define the Radio Market are designated by *bold italic print*.