

**MULTIPLE SERVICES STUDY**  
for  
**Clearwater Communications Inc.**

Associated with the Purchase of Station  
WKTJ(FM) – Farmington, ME

“Market 1”

**May 2005**

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

## **ENGINEERING STATEMENT**

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This firm was retained to determine the minimum number of principal community radio contours available from stations authorized for service associated with the purchase of WKTJ(FM), Farmington, ME by Clearwater Communications, Inc. The proposed station does not reside in a listed Arbitron Metro Market as reported by BIA, therefore this study has been conducted under the *Interim Contour-overlap Methodology*. Clearwater Communications, Inc. currently controls three (3) other radio stations, however only one (1) stations, WHQO(FM), Skowhegan, ME is involved with this purchase. One separate and distinct market will result from this purchase. "Market 1" is comprised of WKTJ(FM) and WHQO(FM).

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. 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 that may be inoperative, construction permit facilities that may now be operating under program test authority (but have not yet been issued a license) or facilities which may have been licensed since the last update. Therefore, some stations may have been included or excluded erroneously. However, unless otherwise indicated, all licensed facilities known to be inoperative and all known applications 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.

As stated before, there will be one unique and distinct market associated with this purchase. The market has been defined, in accordance with §73.3555 of the FCC Rules, as the area within the total perimeter formed by the combined principal community contours of WKTJ(FM) and WHQO(FM).

**Exhibit 1.0** shows the four (4) stations under common control or proposed to be under common control which are relevant for this purchase. To aid in identifying the respective contours, currently owned AM contours have been shown with solid red lines, and currently owned FM contours have been shown with solid blue lines. Stations to be purchased have been shown with dotted lines. The "Market 1" common overlap areas have been designated as well.

For "Market 1", the market defining contours have been shown in **Exhibit 2.0** of this report along with a minimum number of principal community contours entering the market. The defining contours have been shown with yellow lines on this map. Contours entering the market have been denoted in dark blue lines. As stated before, the contours shown only represent enough stations to satisfy the minimum requirement of the Rules. Co-owned stations entering the market, but not defining the market have been omitted. A complete tabulation of stations entering the market will be supplied upon request.

## **ENGINEERING STATEMENT** (continued)

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Under the current rules, the market falls at least within the minimum limitations set forth in §73.3555 (a)(1)(iv): ***In a radio market with 14 or fewer full-power, commercial and noncommercial radio stations, not more than 5 commercial radio stations in total and not more than 3 commercial stations in the same service (AM or FM); provided, however, that no person or single entity (or entities under common control) may have a cognizable interest in more than 50% of the full-power, commercial and noncommercial radio stations in such market unless the combination of stations comprises not more than one AM and one FM station.*** The principal community contours of at least five (5) other stations entering the market are shown in ***Exhibit 2.0***. Including the two (2) FM stations which define the market there are at least seven (7) aural services in this market. This represents no more than 28.6% of the market as shown. ***Exhibit 2.1*** lists the facilities of the individual stations used in this report.

## **CERTIFICATION**

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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.

May 27, 2005




**MUNN-REESE, INC.**

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


By Wayne S. Reese  
Wayne S. Reese, President

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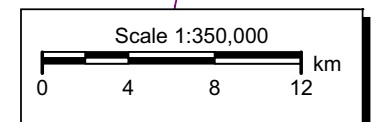
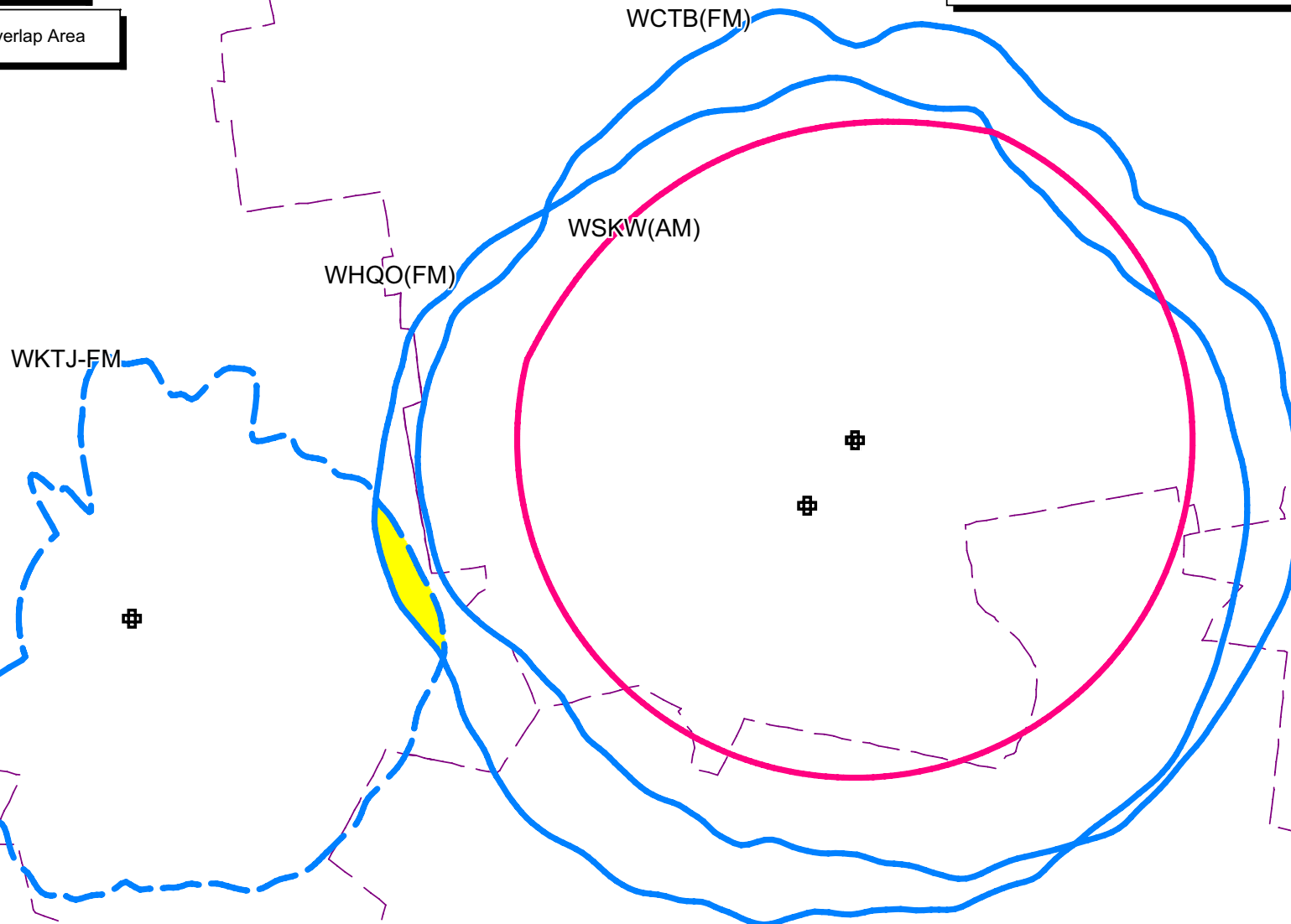
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Co-owned AM Station(s):   
Co-owned FM Station(s):   
FM Station to be Purchased: 

AM Contour(s): 5.0 mV/m  
FM Contour(s): 70.0 dBu

 "Market 1" Overlap Area

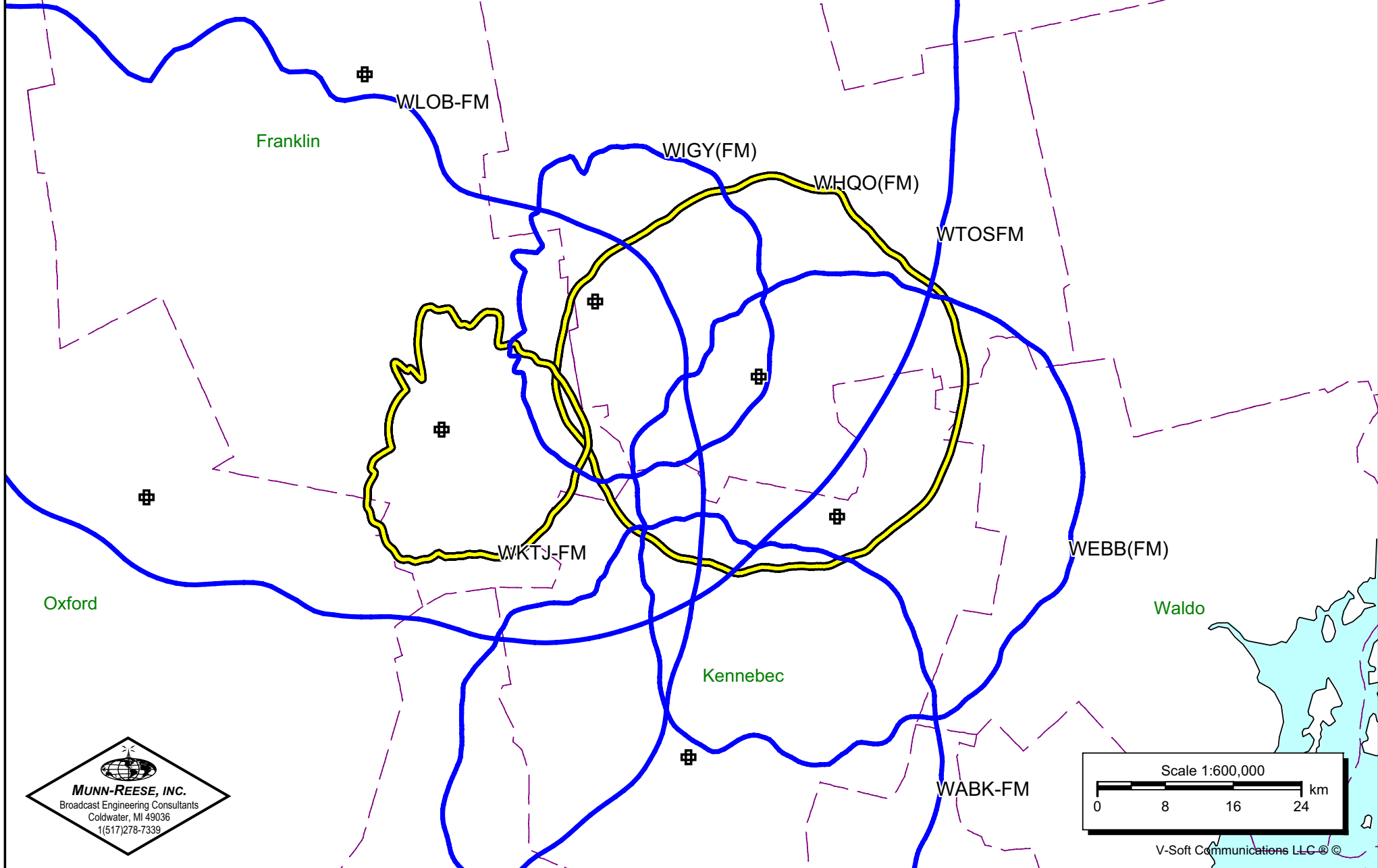
## Exhibit 1.0 Map of "Market 1" and Commonly Owned Stations



Stations Defining the Market:   
Stations Entering the Market: 

AM Contour(s): 5.0 mV/m  
FM Contour(s): 70.0 dBu

## Exhibit 2.0 Map of Stations Entering "Market 1"



## Exhibit 2.1

### Tabulation of Select Entering "Market 1"

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#### Stations Entering Market: (No Less Than 7 Stations)

Duopoly Study Center = 44 39 22 N, 70 11 48 W 05-27-2005

Call	Coordinates	Chan	Pwr(kW)	City	State	File #
<i>WKTJFM.L*</i>	<i>443922N 701148W</i>	<i>257A</i>	<i>1.5</i>	<i>Farmington</i>	<i>ME</i>	<i>BLH5914</i>
<i>WHQO.L*</i>	<i>444246N 694336W</i>	<i>300C3</i>	<i>6.0</i>	<i>Skowhegan</i>	<i>ME</i>	<i>BLH19941102KB</i>
WABKFM.L	441836N 694951W	282B	50	Gardiner	ME	BLH19830701AA
WIGY.L	444732N 695810W	248A	6.0	Madison	ME	BLH19950621KB
WLOBFM.L	443456N 703759W	242C	100	Rumford	ME	BLH19890731KF
WTOSFM.L	450154N 701850W	286C	57	Skowhegan	ME	BLH20020905AAI
WEBB.L	443352N 693639W	253C1	61	Waterville	ME	BLH19950421KA

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*\* Indicates stations defining the market*

Only a minimum number of stations have been shown which insures compliance with the Rules. A complete tabulation of stations entering the market will be supplied upon request. Co-owned stations entering, but not defining the market, have been omitted. In addition, all stations whose transmitter sites reside more than 92 km from the perimeter of the area of mutual overlap of the commonly attributable stations have been omitted.

**MUNN-REESE, INC.**

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