

JAMES B. HATFIELD, PE  
BENJAMIN F. DAWSON III, PE  
THOMAS M. ECKELS, PE  
STEPHEN S. LOCKWOOD, PE  
DAVID J. PINION, PE

PAUL W. LEONARD, PE  
ERIK C. SWANSON, EIT  
THOMAS S. GORTON, PE

HATFIELD & DAWSON  
CONSULTING ELECTRICAL ENGINEERS  
9500 GREENWOOD AVE. N.  
SEATTLE, WASHINGTON 98103

TELEPHONE  
(206) 783-9151  
FACSIMILE  
(206) 789-9834  
E-MAIL  
hatdaw@hatdaw.com

MAURY L. HATFIELD, PE  
CONSULTANT  
BOX 1326  
ALICE SPRINGS, NT 5950  
AUSTRALIA

## **MULTIPLE OWNERSHIP SERVICE CONTOUR ANALYSIS**

**Prepared for  
Bicoastal  
February 2007**

The attached analysis of compliance with the radio multiple ownership rules was prepared in accordance with the Rules and Regulations of the Federal Communications Commission, in connection with Bicoastal's proposed acquisition of the following stations:

KCGB-FM	288A	Hood River, OR	
KMSW	224C3	The Dalles, OR	
KACI-FM	249C2	The Dalles, OR	(with pending application)
KACI	1300 kHz	The Dalles, OR	
KIHR	1340 kHz	Hood River, OR	

### **Unrated Market**

These stations operate outside any market rated by Arbitron. Therefore, analysis has been made consistent with the Commission's interim rules for unrated markets. The 70 dBu contours of FM stations were determined from the technical data contained in the most recent edition of the FCC FM Database. The listed antenna height above average terrain was used together with topographic data obtained from the digitized 30 second or 3 second database. The 5 mV/m daytime contours of AM stations were determined from the technical data contained in the most recent edition of the FCC AM Database. The listed antenna parameter information was used together with a digitized version of the FCC M-3 or Region II ground conductivity database.

The service contours were plotted using correct map projection mathematics. Those stations

whose transmitter sites are within the respective principal community service contours of the stations proposed to be commonly owned have only the sites rather than their contours shown. All contours and enclosed transmitter site locations have been labeled. A list of all stations considered is included with this statement.

In counting stations providing service to the "market" defined by each of the discrete clusters formed in unrated markets, stations whose transmitter sites are located in excess of 92 km from the perimeter of the common overlap area have been excluded, as have other stations to be commonly-owned but which are not a part of the discrete cluster being studied.

The stations to be acquired form two discrete clusters. This exhibit evidences at least the minimum number of stations necessary to demonstrate compliance with the rules concerning radio multiple ownership in unrated markets.

**Cluster A: KCGB-FM, KMSW(FM), KACI-FM, KHR(AM)**

In order to qualify for common ownership of this 1AM/3FM cluster, there must be at least 8 stations in the relevant "market". This study demonstrates that there are at least 9 stations in the relevant market. This study is equally relevant for either the KACI-FM license or application.

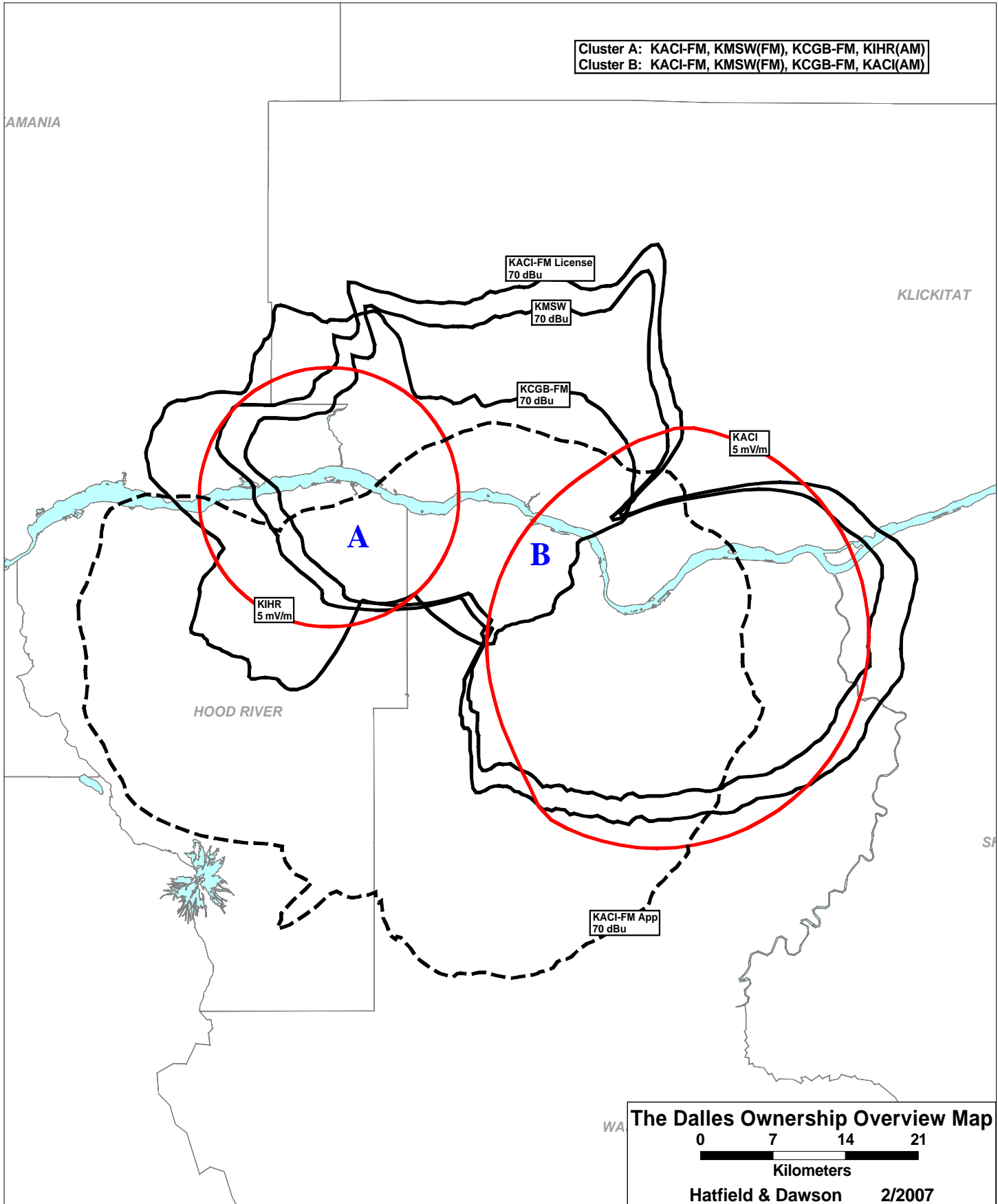
**Cluster B: KCGB-FM, KMSW(FM), KACI-FM, KACI(AM)**

In order to qualify for common ownership of this 1AM/3FM cluster, there must be at least 8 stations in the relevant "market". This study demonstrates that there are at least 9 stations in the relevant market. This study is equally relevant for either the KACI-FM license or application.

February 1, 2007

A handwritten signature in black ink, appearing to read "Erik C. Swanson", with a stylized, cursive script.

Erik C. Swanson



## CLUSTER A STUDY

### AM STATIONS WITH 5 mV/m CONTOURS OVERLAPPING 70 dBu CONTOURS OF KCGB-FM, KMSW, KACI-FM (Lic + App) AND 5 mV/m CONTOUR OF KHR

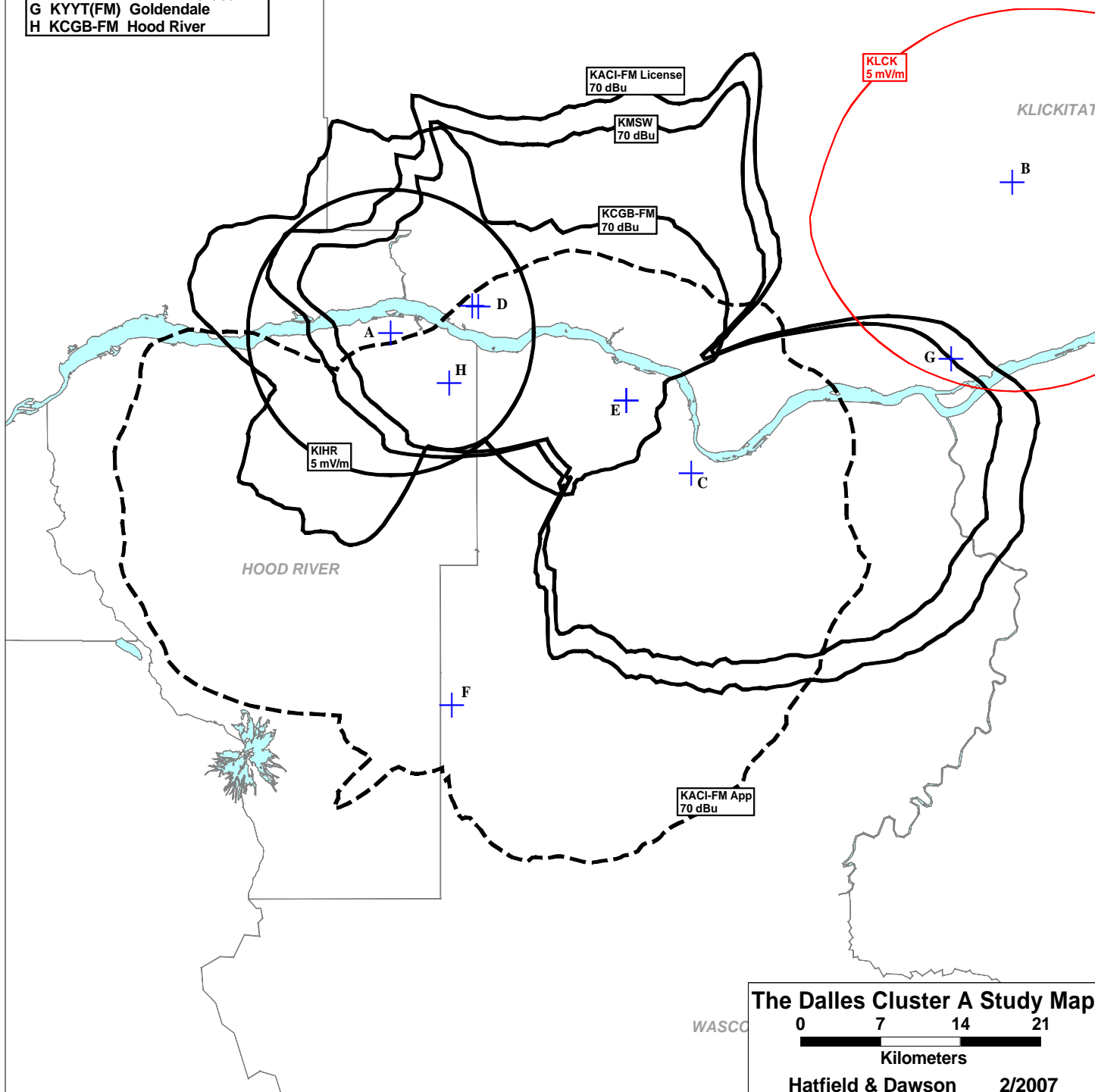
Call Status	City St Co	FCC File No.	Freq Mode	Power(kW) Hrs Cls	Latitude Longitude
=====	=====	=====	=====	=====	=====
KHR	HOOD RIVER		1340	1.000	N 45-42-07
LIC	OR US BL		ND1	UNL C	W 121-32-10
KLCK	GOLDENDALE		1400	1.000	N 45-49-14
LIC	OR US BL840911AB		ND1	UNL C	W 120-50-15
KODL	THE DALLES		1440	5.000	N 45-35-31
LIC	OR US BL14364		DAN	DAY B	W 121-11-57

### FM STATIONS WITH 70 dBu CONTOURS OVERLAPPING 70 dBu CONTOURS OF KCGB-FM, KMSW, KACI-FM (Lic + App) AND 5 mV/m CONTOUR OF KHR

Call Status	City State	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude
=====	=====	=====	=====	=====	=====
KBNO-FM	WHITE SALMON		207A	0.016	45-43-23
LIC	WA BLED010611AFC		89.3	336.0	121-26-42
KQHR	HOOD RIVER		211A	0.044	45-43-20
LIC	OR BLED011210ABX		90.1	337.0	121-26-16
KMSW	THE DALLES		224C3	3.400	45-38-56
LIC	OR BLH021010AAX		92.7	272.0	121-16-20
KACI-FM	THE DALLES		249C2	5.100	45-38-56
LIC	OR BMLH040610AAJ		97.7	272.0	121-16-20
KACI-FM	THE DALLES		249C2	9.600	45-24-36
APP	OR BPH070118AEL		97.7	328.0	121-28-03
KYYT	GOLDENDALE		272C2	2.100	45-40-53
LIC	WA BLH990318KD		102.3	571.0	120-54-30
KCGB-FM	HOOD RIVER		288A	1.000	45-39-45
LIC	OR BLH061030AAG		105.5	240.0	121-28-14

# Transmitter Site Key

- A KHR(AM) Hood River
- B KCK(AM) Goldendale
- C KDL(AM) The Dalles
- D KBNO-FM White Salmon
- D KQHR(FM) Hood River
- E KMSW(FM) The Dalles
- E KACI-FM The Dalles (Lic)
- F KACI-FM The Dalles (App)
- G KYT(FM) Goldendale
- H KCGB-FM Hood River



## The Dalles Cluster A Study Map



Hatfield & Dawson 2/2007

## CLUSTER B STUDY

### AM STATIONS WITH 5 mV/m CONTOURS OVERLAPPING 70 dBu CONTOURS OF KCGB-FM, KMSW, KACI-FM (Lic + App) AND 5 mV/m CONTOUR OF KACI

Call Status	City St Co	FCC File No.	Freq Mode	Power(kW) Hrs Cls	Latitude Longitude
=====	=====	=====	=====	=====	=====
KACI LIC	THE DALLES OR US BL		1300 NDD	1.000 DAY B	N 45-34-54 W 121-07-53
KLCK LIC	GOLDENDALE OR US BL840911AB		1400 ND1	1.000 UNL C	N 45-49-14 W 120-50-15
KODL LIC	THE DALLES OR US BL14364		1440 DAN	5.000 DAY B	N 45-35-31 W 121-11-57

### FM STATIONS WITH 70 dBu CONTOURS OVERLAPPING 70 dBu CONTOURS OF KCGB-FM, KMSW, KACI-FM (Lic + App) AND 5 mV/m CONTOUR OF KACI

Call Status	City State	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude
=====	=====	=====	=====	=====	=====
KBNO-FM LIC	WHITE SALMON WA BLED010611AFC		207A 89.3	0.016 336.0	45-43-23 121-26-42
KQHR LIC	HOOD RIVER OR BLED011210ABX		211A 90.1	0.044 337.0	45-43-20 121-26-16
KMSW LIC	THE DALLES OR BLH021010AAX		224C3 92.7	3.400 272.0	45-38-56 121-16-20
KACI-FM LIC	THE DALLES OR BMLH040610AAJ		249C2 97.7	5.100 272.0	45-38-56 121-16-20
KACI-FM APP	THE DALLES OR BPH070118AEL		249C2 97.7	9.600 DA 328.0	45-24-36 121-28-03
KYYT LIC	GOLDENDALE WA BLH990318KD		272C2 102.3	2.100 DA 571.0	45-40-53 120-54-30
KCGB-FM LIC	HOOD RIVER OR BLH061030AAG		288A 105.5	1.000 240.0	45-39-45 121-28-14

# Transmitter Site Key

- I KACI(AM) The Dalles
- B KLCK(AM) Goldendale
- C KODL(AM) The Dalles
- D KBNO-FM White Salmon
- D KQHR(FM) Hood River
- E KMSW(FM) The Dalles
- E KACI-FM The Dalles (Lic)
- F KACI-FM The Dalles (App)
- G KYTY(FM) Goldendale
- H KCGB-FM Hood River

