

TECHNICAL EXHIBIT  
IN SUPPORT OF  
A PETITION FOR RULE MAKING  
TO AMEND THE FM TABLE OF ALLOTMENTS  
THE DALLES, OREGON AND COVINGTON, WASHINGTON

Technical Narrative

This technical narrative and associated exhibits have been prepared on behalf of FM station KMCQ (herein "Petitioner") in support of a Petition for Rule Making to amend Section 73.202(b) by the reallocation of channel 283C from The Dalles, Oregon to Covington, Washington, reclassification from Class C to C3 and the modification of the license of KMCQ on channel 283C at The Dalles, Oregon accordingly (BLH-19990512KA). As the requested change to channel 283C3 at Covington is mutually exclusive with the present allotment of channel 283C at The Dalles, Petitioner invokes the provisions of Section 1.420(i).

Petitioner also requests the allotment of channel 283C1 to Moro, Oregon as that community's first local aural service. The proposed allotment at Moro is contingent on the adoption of the instant proposal to reallocate channel 283 from The Dalles to Covington. Furthermore, Petitioner also requests the allotment of channel 261C2 to Arlington, Oregon as that community's first local aural service and the allotment of channel 226A to Trout Lake, Washington as that community's first local aural service.

The following is a summary of the reallocation proposal:

- The city of Covington, Washington (2000 Census population 13,801) will be provided with its first local aural transmission service and The Dalles, Oregon (2000 population 12,156) will not be deprived of its sole "existing" local service as there are three FM and two AM assignments at The Dalles, namely, FM stations KMSW, channel 224C3 and KACI-FM, channel 249C2, a vacant FM allotment on channel 268C3, and AM stations KACI, 1300 kHz and KODL, 1440 kHz.
- Although Covington is located partially within the Seattle Urbanized area as defined by the 1990 U.S. Census, as

detailed elsewhere in this Petition it is believed that Covington warrants a first local service preference.

- The number of persons within the KMCQ 1 mV/m contour will increase from 92,556 persons to 822,425 persons, and there will be a "net" increase in 1 mV/m coverage to 802,176 persons.
- Moro, Oregon with a 2000 Census population of 337 persons, has no other local aural services. Petitioner's proposal would, therefore, bring a first local aural service to Moro.
- Arlington, Oregon with a 2000 Census population of 524 persons, and has no other local aural services. Petitioner's proposal would, therefore, bring a first local aural service to Arlington.
- Trout Lake, Washington (CDP) with a 2000 Census population of 494 persons, has no other local aural services. Petitioner's proposal would, therefore, bring a first local aural service to Trout Lake.
- The proposal will provide service to aural white area containing 58 persons and aural grey area containing 1,362 persons.
- The proposal will not create any populated aural white or grey areas.

Proposed Change in Table of Allotments

Station KMCQ is currently licensed (BLH-19990512KA) to operate on channel 283C at The Dalles, Oregon with an effective radiated power (ERP) of 100 kW and an antenna height above average terrain (HAAT) of 609 meters. The Dalles is located in Wasco County, Oregon and has a 2000 U.S. Census population of 12,156 persons. FM stations KMSW on channel 224C3 and KACI-FM on channel 249C2 are currently licensed and/or authorized to serve The Dalles and vacant FM channel 268C3 is allotted to The Dalles. In addition, AM stations KACI on 1300 kHz and KODL on 1440 kHz are currently licensed to serve The Dalles. Therefore, adoption of the proposal will not deprive The Dalles of its sole "existing" local service. Furthermore, adoption of the Petitioner's proposal will permit the allotment of channel 283C1 to Moro, Oregon.

Covington, Washington is located in King County and has a 2000 U.S. Census population of 13,801 persons. Covington has no local FM or AM service and, therefore, Petitioner's

proposal would bring first local aural broadcast service to Covington.

Moro, Oregon is located in Sherman County and has a 2000 U.S. Census population of 337 persons. Moro has no local FM or AM service and, therefore, Petitioner's proposal would bring first local aural broadcast service to Moro.

Arlington, Oregon is located in Gilliam County and has a 2000 U.S. Census population of 524 persons. Arlington has no local FM or AM service and, therefore, Petitioner's proposal would bring first local aural broadcast service to Arlington.

Trout Lake, Washington is located in Klickitat County and has a 2000 U.S. Census population of 494 persons. Trout Lake has no local FM or AM service and, therefore, Petitioner's proposal would bring first local aural broadcast service to Trout Lake.

<u>City</u>	<u>Present</u>	<u>Proposed</u>
The Dalles, Oregon	224C3, 249C2, 268C3, 283C	224C3, 249C2 268C3
Covington, Washington	--	283C3
Moro, Oregon	--	283C1
Arlington, Oregon	--	261C2
Trout Lake, Washington	--	226A

Compliance With FCC Rules

The attached Figure 1A is a tabulation of required separations pertinent to use of channel 283C3 at Covington. The reference site complies with the Commission's minimum distance separation requirements contained in section 73.207 to all existing, authorized and proposed stations and allotments. Operation from the reference site will provide the requisite city grade signal to all of Covington .

Figure 1B is a map showing the area to locate channel 283C3 at Covington in compliance with the Commission's minimum distance separation requirements and city coverage requirements based on maximum Class C3 facilities (ERP 25 kW/HAAT 100 m). The Covington city limits shown on Figure 1B were obtained from a map contained in the 2000 U.S. Census of Population.

Pursuant to Section 1.420(i), the Commission will consider petitions to modify the license/construction permit of an FM station to specify a new community if the proposed allotment would be mutually exclusive with the present assignment. As the entire area to locate for channel 283C3 at Covington depicted on Figure 1B would be short-spaced to the licensed KMCQ operation on channel 283C, including the channel 283C3 reference site, the new allotment is mutually exclusive with the existing allotment.

Channel 283C1 is available for allotment to Moro, Oregon if the instant proposal to reallocate channel 283 from The Dalles to Covington is adopted. Figure 2A is a tabulation of separations pertinent to use of channel 283C1 at Moro. The geographic coordinates of the reference point are also the reference point for Moro contained in the 2000 Census and, as demonstrated, compliance with the Commission's minimum distance separation requirements to all existing, authorized and proposed stations and allotments obtains. Operation from the reference site will provide the requisite city grade signal to all of Moro.

Figure 2B is a map showing the area to locate channel 283C1 at Moro in compliance with the Commission's minimum distance separation requirements and city coverage requirements based on maximum Class C1 facilities (ERP 100 kW/HAAT 299 m). The Moro city limits shown on Figure 2B were obtained from a map contained in the 2000 U.S. Census of Population.

Channel 261C2 is available for allotment to Arlington, Oregon. Figure 3A is a tabulation of separations pertinent to use of channel 261C2 at Arlington. The geographic coordinates of the reference point are also the reference point for Arlington contained in the 2000 Census and, as demonstrated, compliance with the Commission's minimum distance separation requirements to all existing, authorized and proposed stations and allotments obtains. Operation from the reference site will provide the requisite city grade signal to all of Arlington.

Figure 3B is a map showing the area to locate channel 261C2 at Arlington in compliance with the Commission's minimum distance separation requirements and city coverage requirements based on maximum Class C2 facilities (ERP 50 kW/HAAT 150 m). The Arlington city limits shown on Figure 3B were obtained from a map contained in the 2000 U.S. Census of Population.

Channel 226A is available for allotment to Trout Lake, Washington. Figure 4A is a tabulation of separations pertinent to use of channel 226A at Trout Lake. The reference point complies with the Commission's minimum distance separation requirements to all existing, authorized and proposed stations and allotments obtains. Operation from the reference site will provide the requisite city grade signal to all of Trout Lake.

Figure 4B is a map showing the area to locate channel 226A at Trout Lake in compliance with the Commission's minimum distance separation requirements and city coverage requirements based on maximum Class A facilities (ERP 6 kW/HAAT 100 m). The Trout Lake city limits shown on Figure 4B were obtained from a map contained in the 2000 U.S. Census of Population.

Urbanized Area Considerations

Covington, Washington is located partially within the Seattle Urbanized area.<sup>1</sup> The proposed 70 dBu contour for the channel 283C3 operation will not encompass more than 50% of any Urbanized Area (8.8% coverage). Furthermore, the closest point of the city limits of Seattle are located approximately 14.8 kilometers northwest of the closest point of the Covington city limits.

Gain and Loss Areas and Available Aural Services

Figure 5, attached, is a map showing the FM 1 mV/m primary service contours for the licensed KMCQ operation on channel 283C at The Dalles, the proposed channel 283C1 allotment at Moro, the proposed channel 261C2 allotment at Arlington and the proposed channel 226A allotment at Trout Lake. Maximum facilities for each class and uniform terrain were utilized. The 1 mV/m "gain" and "loss" areas are also indicated. It is noted that areas within the 1 mV/m contours for the Moro channel 283C1 allotment, Arlington channel 261C2 allotment and Trout Lake channel 226A allotment are not considered "loss" areas.

Figure 6, attached, is a map showing the FM 1 mV/m primary service contours for the licensed KMCQ operation on channel 283C at The Dalles, the proposed channel 283C1 allotment at Moro, the proposed channel 261C2 allotment at Arlington and the proposed channel 226A allotment at Trout Lake. Also shown are other aural (AM, FM) services available to the areas within the 1 mV/m contours.<sup>2</sup> Figure 7 tabulates the AM and FM stations whose contours are shown on Figure 6. For FM stations the 1 mV/m contour is depicted, and for AM station KOMO the 0.5 mV/m contour is shown. The letters identify the AM and FM service contours of stations tabulated

---

<sup>1</sup> It is understood that Urbanized Areas for the 2000 Census will not be available until Spring of 2002.

<sup>2</sup>The determination of available reception services was based on the criteria set forth in footnote 1 of the Notice of Proposed Rule Making in MM Docket No. 96-219 (DA 96-1774; adopted October 25, 1996, released November 1, 1996).

on Figure 7. Areas receiving less than five fulltime aural services are identified with a number which indicates the number of available aural services.

As shown on Figure 6, the areas identified with a 1 or 2 in the gain area are currently "white" (0 aural services) and "grey" (1 aural service) areas, respectively. It has been determined that the white area within the gain area contains 58 persons and the grey area within the gain area contains 1,361 persons. Although the loss area contains white and gray areas (areas labeled with a 0 or 1 on Figure 6), it has been determined these areas are unpopulated.

Figure 8 is a map depicting the FM 1 mV/m primary service contour for the proposed KMCQ operation on channel 283C3 at Covington. Also shown are other aural services available to the area within the 1 mV/m contour. Figure 9 tabulates the FM stations whose contours are shown on Figure 8. Only those FM services necessary to provide at least five (5) fulltime aural services to the gain area have been shown on Figure 8. Letters identify the FM service contours of stations tabulated on Figure 9. As shown, there are at least five (5) other aural services available to the gain area.

#### Population and Area within Gain and Loss Areas

Figure 10 is a tabulation of the land areas and estimated populations within the 1 mV/m FM primary service contours for the licensed KMCQ operation on channel 283C at The Dalles, the proposed KMCQ operation on channel 283C3 at Covington, the proposed channel 283C1 allotment at Moro, the proposed channel 261C2 allotment at Arlington and the proposed channel 226A allotment at Trout Lake. Also tabulated are the gain, loss and "net" gain areas and the results of the reception service analyses for these areas. Adoption of the Petitioner's proposal will increase the number of persons within the KMCQ 1 mV/m contour from 92,556 persons to 822,425 persons, and will result in a "net" increase in 1 mV/m coverage to 802,176 persons.

Coverage Contours

The FM predicted coverage contours were calculated in accordance with the provisions of Section 73.313, except that uniform terrain was presumed in all directions. Distances to AM contours were based on either nondirectional radiation pattern values or standard radiation pattern values obtained from the FCC's AM database. FCC Figure M-3 conductivity employed along all azimuths.

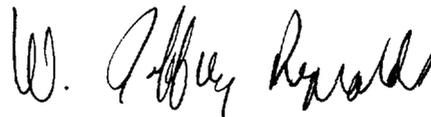
Population and Area

The population within each FM primary service contour (1 mV/m) and each gain, loss, reception and interference area was calculated using a computer program that utilizes the 2000 U.S. Census database of "population centroids". The program adds the populations of those U.S. Census designated areas whose centroid was within each service area. The area within each FM primary service contour was calculated using a root mean square algorithm.

Conclusion

Channel 283C3 can be reallocated from The Dalles, Oregon to Covington, Washington in compliance with all applicable Commission Rules. In addition, channel 283C1 can be allotted to Moro as a result of the proposed Covington reallocation. Furthermore, channel 261C2 can be allotted to Arlington and channel 226A can be allotted to Trout Lake. The proposal will result in first local aural service to Covington, Moro, Arlington and Trout Lake. The proposal would not deprive The Dalles of local broadcast service. The number of persons within the KMCQ 1 mV/m contour will increase from 92,556 persons to 822,425 persons, and there will be a "net" increase in 1 mV/m coverage to 802,176 persons. The proposal will provide service to aural white area containing 58 persons and aural grey area containing 1,362 persons. The proposal will not create any populated aural white or grey areas.

Therefore, Petitioner requests the reallocation of channel 283C3 to Covington and the modification of the Petitioner's license to specify operation on channel 283C3 at Covington.



W. Jeffrey Reynolds

du Treil, Lundin & Rackley, Inc.  
201 Fletcher Avenue  
Sarasota, Florida 34237  
JEFF@DLR.COM

October 19, 2001

CDBS FM SEPARATION STUDY

Job Title: Proposed KMCQ, Covington, WA  
 Channel: 283 C3

Separation Buffer: 32 km  
 Coordinates: 471202 1220027

Call Id	City St	File Status Num	Channel Freq	ERP HAAT	DA Id	Latitude Longitude	73 215	Bear	Dist. (km)	Req. min
	CHEHALIS WA	VAC C	282 A 104.3	0.000		46-38-57 122-57-58		230.2	95.33 6.33	89.0 Close
KAFE 58886	BELLINGHAM WA	BLH LIC C 4978	282 C 104.3	60.000 704	N	48-40-48 122-50-24	N	339.7	175.86 -0.14	176.0 Close
KMCQ 41861	THE DALLES OR	BPH CP C 19990512IC	283 C 104.5	100.000 609	N	45-42-44 121-06-51	N	157.2	179.11 -57.89	237.0 <b>Short<sup>1</sup></b>
KMCQ 41861	THE DALLES OR	BLH LIC C 19990512KA	283 C 104.5	100.000 609		45-42-44 121-06-50		157.2	179.12 -57.88	237.0 <b>Short<sup>1</sup></b>
PROP	MORO OR		283C1 104.5			45-29-08 120-43-54		152.3	214.45 3.45	211.0 Close
KDUX-F 52676	ABERDEEN WA	BLH LIC C 7777	284 C2 104.7	31.000 110	N	46-56-00 123-43-49	N	257.8	134.20 17.20	117.0 Clear
KKRV 28635	WENATCHEE WA	BPH CP C 20001211ADW	284 C2 104.7	6.500 403	N	47-28-44 120-12-49	N	76.4	139.06 22.06	117.0 Clear
	WENATCHEE WA	VAC C	284 C2 104.7	0.000		47-28-44 120-12-49		76.4	139.06 22.06	117.0 Clear
KFNK 3915	EATONVILLE WA	BLH LIC C 19950814KD	285 A 104.9	2.500 151	N	46-50-24 122-15-27	N	205.4	44.36 2.36	42.0 Close
	EATONVILLE WA	RM ADD C 9269	285 C3 104.9	0.000	N	46-50-19 122-11-53	N	199.8	42.77 -0.23	43.0 Close
	EATONVILLE WA	RM DEL C 9269	285 A 104.9	0.000	N	46-50-24 122-15-27	N	205.4	44.36 2.36	42.0 Close
KFNK 3915	EATONVILLE WA	BPH CP C 20000517AEL	285 A 104.9	5.100 109	N	46-50-24 122-15-27	N	205.4	44.36 2.36	42.0 Close
KFNK 3915	EATONVILLE WA	BPH CP C 20001211AEI	285 C3 104.9	17.000 124	Y 38056	46-50-24 122-15-27	Y	205.4	44.36 1.36	43.0 Close

<sup>1</sup> Existing/authorized KMCQ site. Requested reallocation of channel 283C3 to Covington, WA is mutually exclusive with the Petitioner's current channel 283C allotment at The Dalles, OR.



CDBS FM SEPARATION STUDY

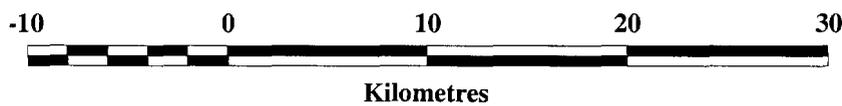
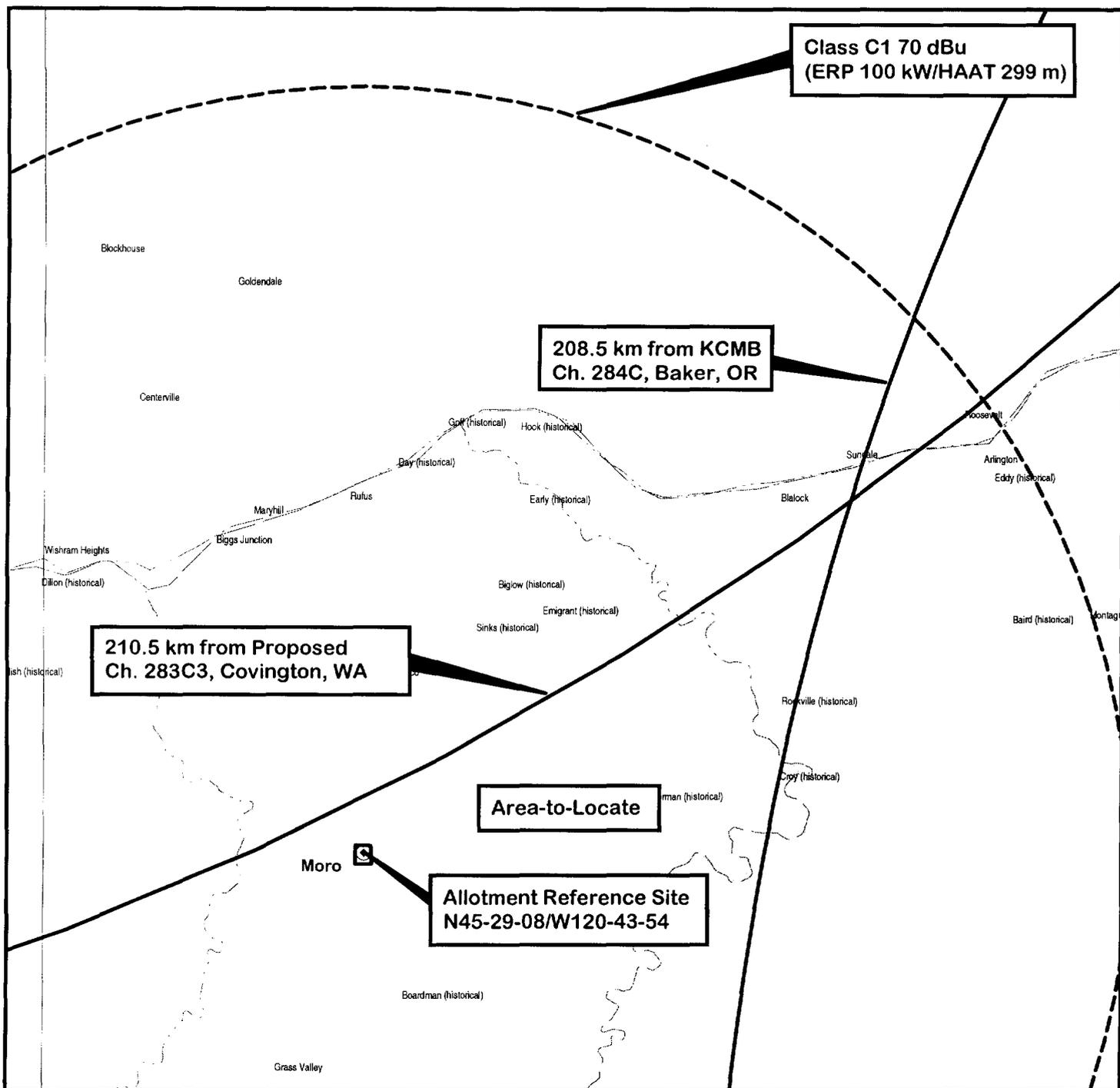
Job Title: Proposed Moro, OR  
 Channel: 283 C1

Separation Buffer: 32 km  
 Coordinates: 452908 1204354

Call Id	City St	File Status Num	Channel Freq	ERP HAAT	DA Id	Latitude Longitude	73 215	Bear	Dist. (km)	Req. min
KMCQ 41861	THE DALLES OR LIC C	BLH 19990512KA	283 C 104.5	100.000 609		45-42-44 121-06-50		310.4	39.04 -230.96	270.0 <b>Short<sup>1</sup></b>
KMCQ 41861	THE DALLES OR CP C	BPH 19990512IC	283 C 104.5	100.000 609	N	45-42-44 121-06-51	N	310.4	39.06 -230.94	270.0 <b>Short<sup>1</sup></b>
<i>PROP</i>	<i>COVINGTON WA</i>		<i>283C1 104.5</i>			<i>47-12-02 122-00-27</i>		<i>333.2</i>	<i>214.45 3.45</i>	<i>211.0 Close</i>
KCMB 50635	BAKER OR LIC C	BLH 19880719KB	284 C 104.7	100.000 532	N	45-07-26 117-46-48	N	98.8	234.96 25.96	209.0 Clear
KRSK 68213	SALEM OR LIC C	BMLH 19990521KA	286 C 105.1	100.000 576	N	45-00-35 122-20-17	N	247.8	136.75 31.75	105.0 Clear
	MOLALLA OR RSV C	RM 10072	286 C 105.1	0.000		45-00-35 122-20-17		247.8	136.75 31.75	105.0 Clear

<sup>1</sup> Existing/authorized KMCQ site. Requested reallocation of channel 283C1 to Moro, OR is mutually exclusive with the Petitioner's current channel 283C allotment at The Dalles, OR.

Figure 2B



**AREA-TO-LOCATE  
CHANNEL 283C1  
MORO, OREGON**

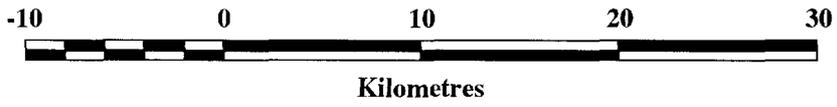
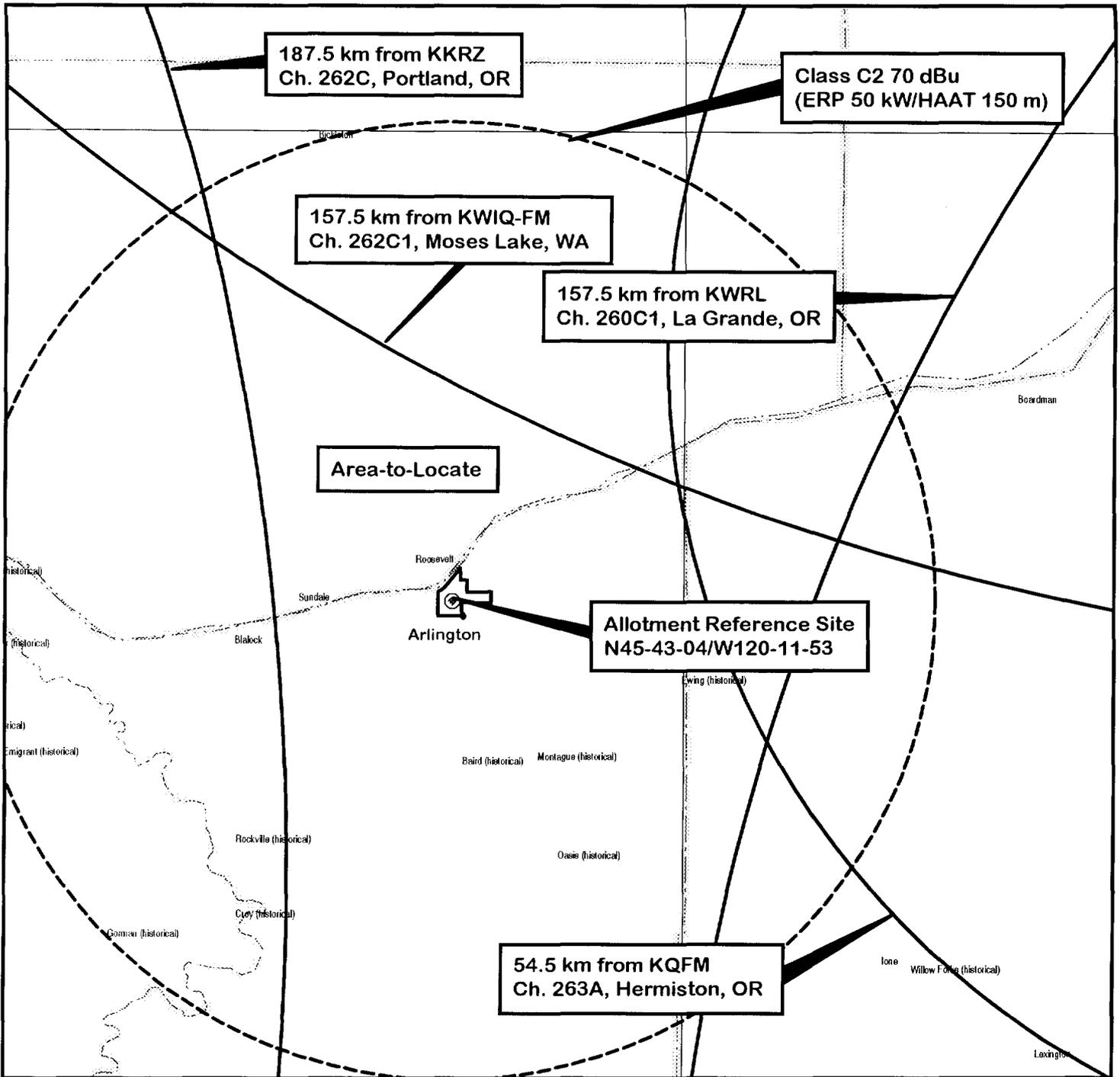
CDBS FM SEPARATION STUDY

Job Title: Proposed Arlington, OR  
 Channel: 261 C2

Separation Buffer: 32 km  
 Coordinates: 454304 1201153

Call Id	City St	File Status	File Num	Channel Freq	ERP HAAT	DA Id	Latitude Longitude	73 215	Bear	Dist. (km)	Req. min
KWRL 24797	LA GRANDE OR	BLH LIC C	19970805KE	260 C1 99.9	60.000 115	N	45-12-59 118-00-00	N	107.2	180.71 22.71	158.0 Clear
KWIK-F 35887	MOSES LAKE WA	BLH LIC C	19830627AB	262 C1 100.3	100.000 59	N	47-06-09 119-14-26	N	25.1	170.63 12.63	158.0 Close
0	MOSES LAKE WA	RM DEL C	9269	262 C1 100.3	0.000	N	47-06-09 119-14-26	N	25.1	170.63 12.63	158.0 Close
0	MOSES LAKE WA	RM DEL C	9269	262 C1 100.3	0.000	N	47-06-09 119-14-26	N	25.1	170.63 12.63	158.0 Close
KKRZ 11280	PORTLAND OR	BPH CP C	19991019AAH	262 C 100.3	100.000 470	N 28419	45-31-21 122-44-45	N	264.7	199.89 11.89	188.0 Close
KKRZ 11280	PORTLAND OR	BLH LIC C	19870206KB	262 C 100.3	100.000 437	N	45-31-22 122-45-07	N	264.7	200.36 12.36	188.0 Close
0	MOSES LAKE WA	RM ADD C	9269	262 C 100.3	0.000	N	47-29-20 119-26-45	N	16.0	205.14 17.14	188.0 Clear
94534	HERMISTON OR	VAC C		263 A 100.5	0.000	N	45-51-57 119-18-45	N	76.2	70.80 15.80	55.0 Close
KQFM 27076	HERMISTON OR	BLH LIC C	19990520KB	263 A 100.5	5.300 91	N	45-51-57 119-18-38	N	76.2	70.94 15.94	55.0 Close

Figure 3B



**AREA-TO-LOCATE  
CHANNEL 261C2  
ARLINGTON, OREGON**

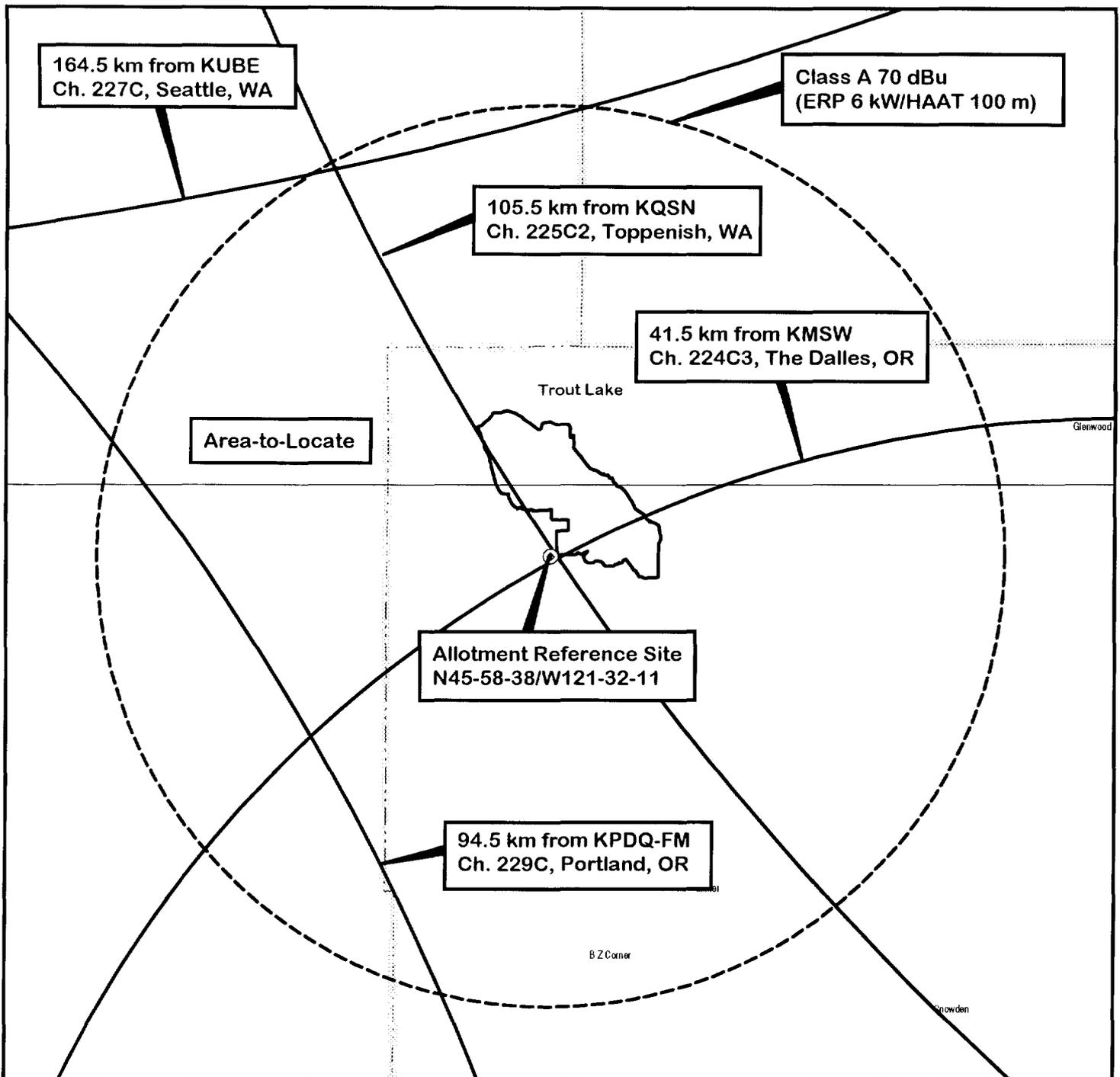
CDBS FM SEPARATION STUDY

Job Title: Proposed Trout Lake, WA  
 Channel: 226 A

Separation Buffer: 32 km  
 Coordinates: 455838 1213211

Call Id	City St	File Status Num	Channel Freq	ERP HAAT	DA Id	Latitude Longitude	73 215	Bear	Dist. (km)	Req. min
KMSW 12439	THE DALLES OR CP	BPH C 19941215MB	224 C3 92.7	3.700 259	N	45-38-53 121-16-43	N	151.3	41.71 -0.29	42.0 Close
KMSW 12439	THE DALLES OR VAC	C	224 C3 92.7	0.000	N	45-35-42 121-10-24	N	146.4	51.01 9.01	42.0 Close
KQSN 64507	TOPPENISH WA LIC	BLH C 19900706KF	225 C2 92.9	17.000 257	N	46-30-15 120-23-33	N	55.9	105.90 -0.10	106.0 Close
KKNU 40887	SPRINGFIELD OR LIC	BLH C 19970925KF	226 C 93.1	100.000 396	N	44-00-04 123-06-45	N	210.0	252.34 26.34	226.0 Clear
KUBE 48387	SEATTLE WA LIC	BLH C 20010206AAA	227 C 93.3	100.000 387	N	47-32-40 122-06-26	N	346.2	179.60 14.60	165.0 Close
KPDQ-F 58629	PORTLAND OR LIC	BLH C 19900828KD	229 C 93.7	100.000 387	N	45-29-20 122-41-40	N	239.3	105.22 10.22	95.0 Close

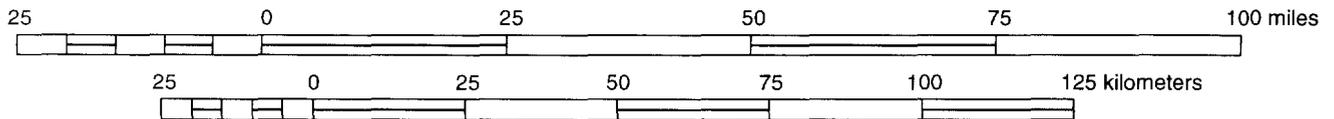
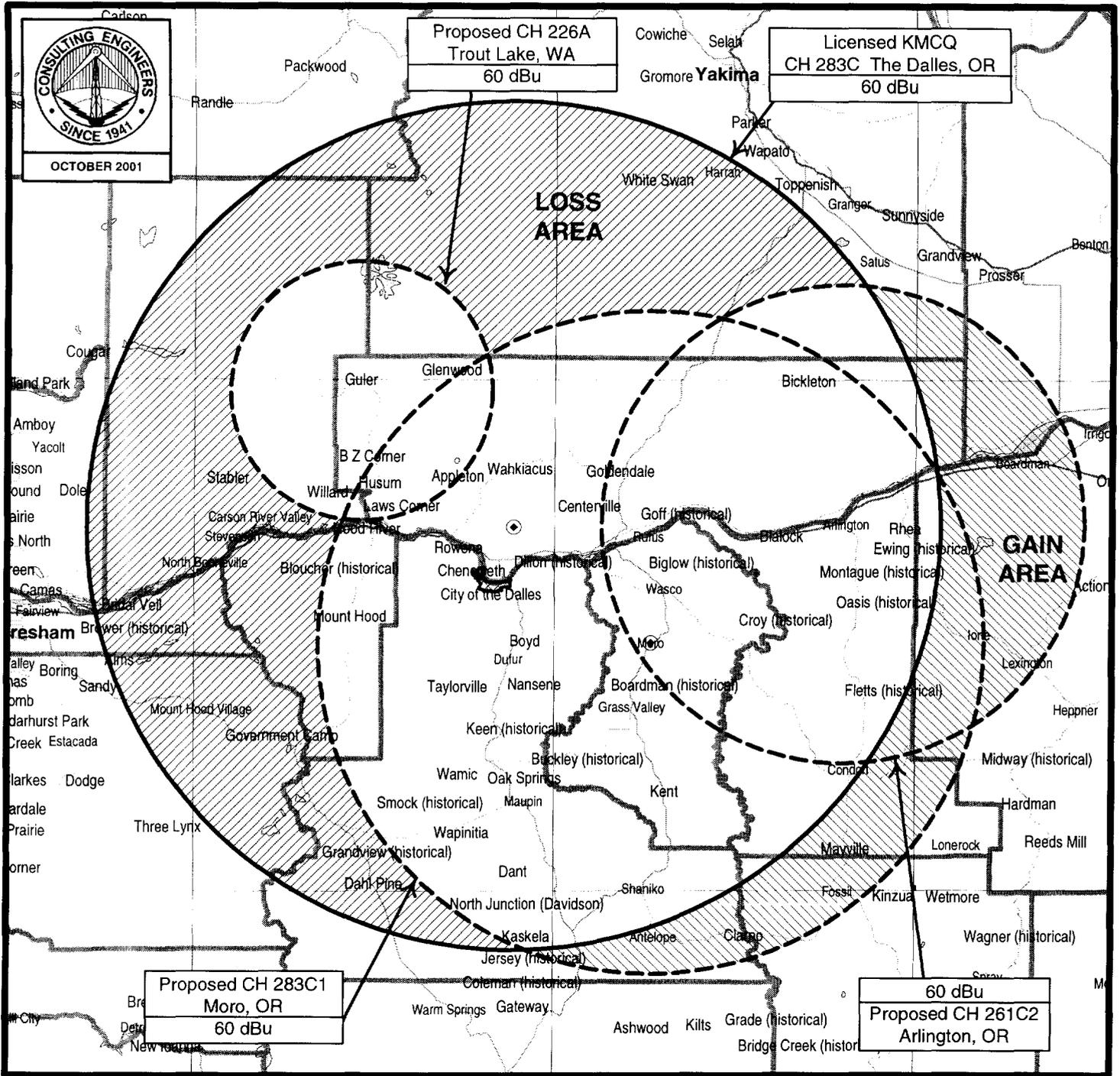
Figure 4B



**AREA-TO-LOCATE  
CHANNEL 226A  
TROUT LAKE, WASHINGTON**

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 5

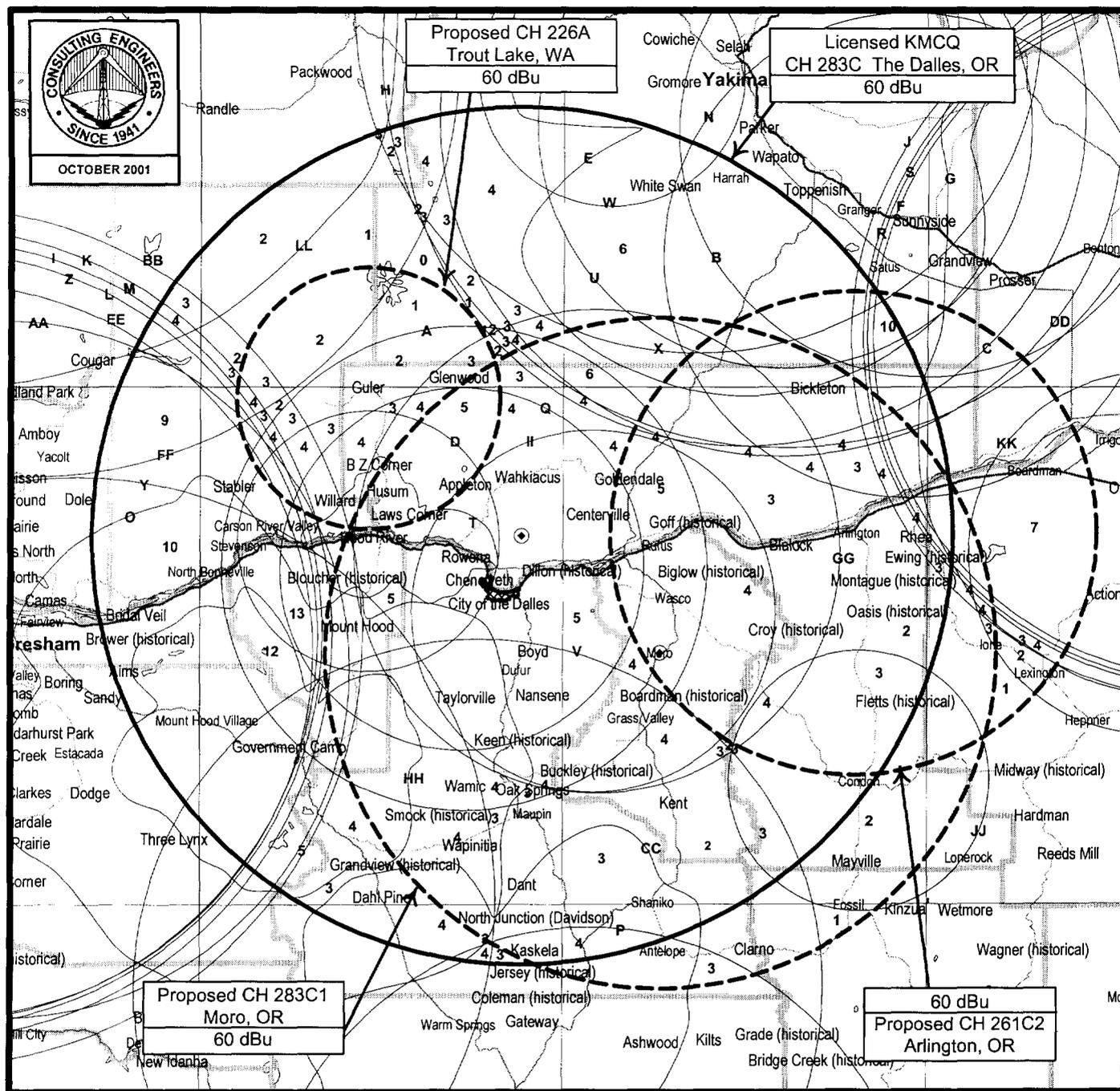


### 60 dBu GAIN/LOSS AREAS

STATION KMCQ  
 COVINGTON, WASHINGTON  
 CHANNEL 283C3

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 6



**OTHER AVAILABLE SERVICES**

**STATION KMCQ  
COVINGTON, WASHINGTON  
CHANNEL 283C3**

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 7

STATION KMCQ  
COVINGTON, WASHINGTON  
CHANNEL 283C3

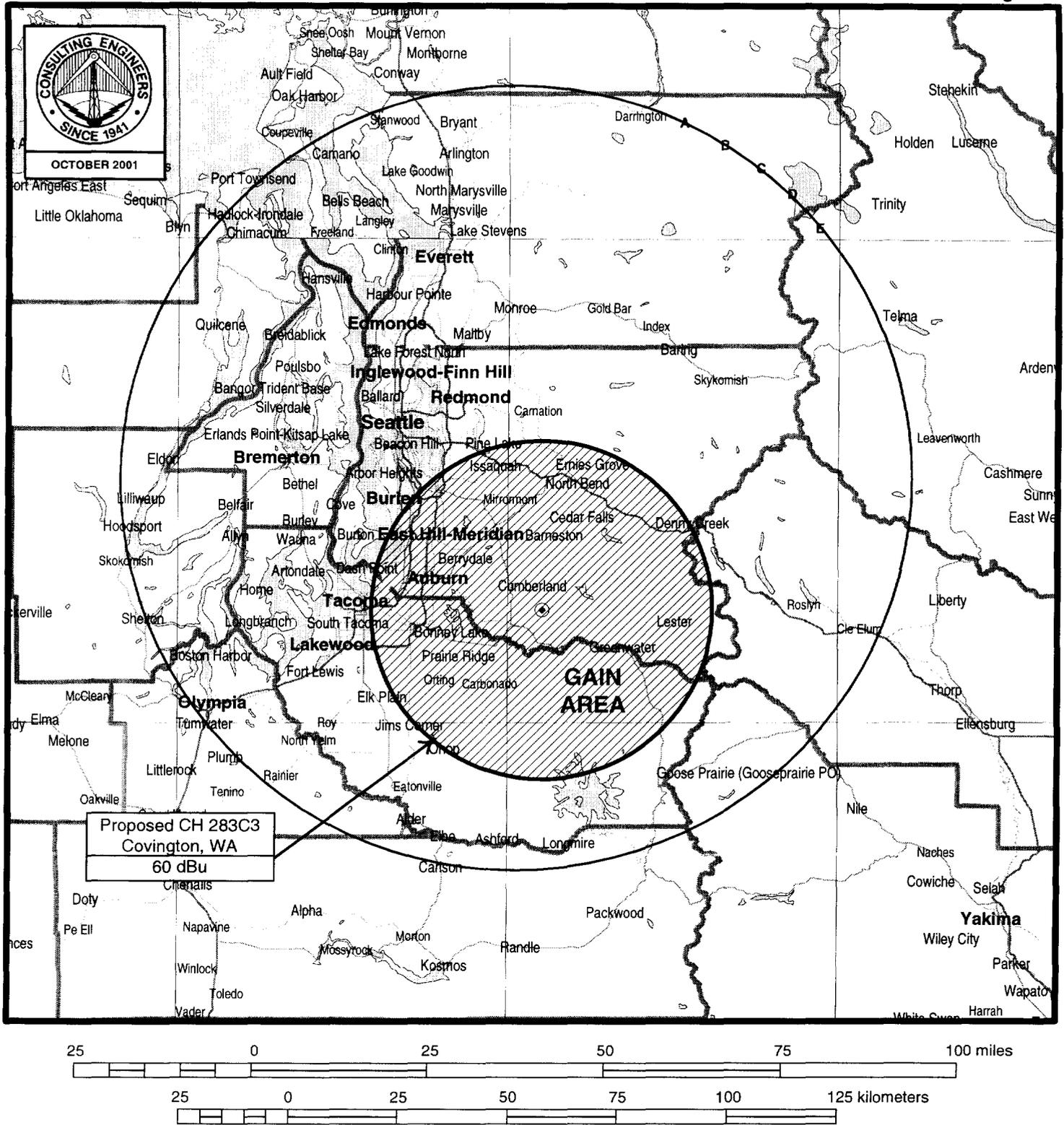
FM Stations

ID	Channel#	Call Signs	CITY	State	ERP	HAAT
A	249C2	KACI-FM	THE DALLES	OR	4.2	272
B	265C2	KARY-FM	GRANDVIEW	WA	6.9	387
C	233C1	KATS	YAKIMA	WA	100	277
D	288A	KCGB-FM	HOOD RIVER	OR	3	-140
E	220C1	KDNA	YAKIMA	WA	18.5	280
F	293C	KEGX	RICHLAND	WA	100	320
G	206C	KFAE-FM (CP)	RICHLAND	WA	100	350
H	297C	KFFM	YAKIMA	WA	100	461
I	270C	KINK	PORTLAND	OR	95	470
J	235C	KIOK	RICHLAND	WA	100	381
K	277C	KKCW	BEAVERTON	OR	100	504
L	294C	KKJZ	LAKE OSWEGO	OR	97	440
M	262C	KKRZ (CP)	PORTLAND	OR	95	470
N	254C2	KLES	MABTON	WA	VACANT	
O	204C1	KLVP-FM (CP)	CHERRYVILLE	OR	0.245	532
P	236C1	KMJZ-FM	PRINEVILLE	OR	100	144
Q	224C3	KMSW (CP)	THE DALLES	OR	3.7	259
R	287C	KONA-FM	KENNEWICK	WA	100	347
S	274C	KORD-FM	RICHLAND	WA	100	335
T	211A	KQHR (CP)	HOOD RIVER	OR	0.044	337
U	225C2	KQSN	TOPPENISH	WA	17	257
V	243C	KRCO-FM	WARM SPRINGS	OR	100	332
W	257A	KREW-FM	NACHES	WA	0.79	274
X	289C1	KRSE	YAKIMA	WA	100	178
Y	286C	KRSK	SALEM	OR	97	576
Z	266C	KUFO-FM	PORTLAND	OR	97	440
AA	253C	KUPL-FM	PORTLAND	OR	95	337
BB	298C	KVMX	BANKS	OR	VACANT	
CC	220C2	KWSO	WARM SPRINGS	OR	3	315
DD	281C1	KXDD	YAKIMA	WA	61	238
EE	238C	KXJM	PORTLAND	OR	97	386
FF	241C	KXXO	OLYMPIA	WA	72	640
GG	272C2	KYYT	GOLDENDALE	WA	2.1	571
HH	212C3	KZRI	WELCHES	OR	0.28	478
II	268C3		THE DALLES	OR	VACANT	
JJ	228A		CONDON	OR	VACANT	
KK	241C3		STANFIELD	OR	VACANT	

AM Station

ID	Call Sign	Location	Authorized Facilities		
LL	KOMO (AM)	SEATTLE, WA	1000 kHz	50 kW-N	DA-N

Figure 8



**OTHER SERVICES TO GAIN AREA**

STATION KMCQ  
COVINGTON, WASHINGTON  
CHANNEL 283C3

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 9

STATION KMCQ  
COVINGTON, WASHINGTON  
CHANNEL 283C3

FM Stations

	Channel #	Call Signs	CITY	State	ERP	HAAT
A	231C	KMPS-FM	SEATTLE	WA	57	714
B	247C	KBSG-FM	TACOMA	WA	52	729
C	223C	KLSY-FM	BELLEVUE	WA	56	714
D	279C	KMTT	TACOMA	WA	57	714
E	251C	KING-FM	SEATTLE	WA	57	714

STATION KMCQ  
COVINGTON, WASHINGTON  
CHANNEL 283C3

Tabulation of Areas, Populations  
And Reception Services Within 1 mV/m Coverage Contours

I. Population and Land Area Within 1 mV/m Contours

Facilities	Within 1 mV/m Contour	
	2000 Census Population	Area (km <sup>2</sup> )
Authorized Ch. 283C3 The Dalles, OR	92,556	26,570
Proposed Ch. 226A Trout Lake, WA	6,464	2,461
Proposed Ch. 261C2 Arlington, OR	14,281	8,489
Proposed Ch. 283C1 Moro, OR	65,192	16,280
Proposed Ch. 283C3 Covington, WA	822,425	4,775

II. Population and Land Area Within Gain and Loss Areas

Area	Within 1 mV/m Contour	
	2000 Census Population	Area (km <sup>2</sup> )
Gain	828,643	8,794
Loss	26,467	9,858
"Net" Gain	802,176	-1,064

III. Available Reception Services Within Gain and Loss Areas

Area	No. of Services	Within 1 mV/m Contour	
		2000 Census Population	Area (km <sup>2</sup> )
Gain	5 or more	826,887	6,645
	4	150	270
	3	186	371
	2	1,362	1,368
	1	58	140
Total		828,643	8,794

STATION KMCQ  
COVINGTON, WASHINGTON  
CHANNEL 283C3

Tabulation of Areas, Populations  
And Reception Services Within 1 mV/m Coverage Contours

Area	No. of Services	Within 1 mV/m Contour	
		2000 Census Population	Area (km <sup>2</sup> )
Loss	5 or more	26,323	6,721
	4	143	1,398
	3	0	324
	2	1	796
	1	0	544
	0	0	75
Total		26,467	9,858