

January 2007
KWLZ-FM Channel 242C3
West Linn, OR
Section 307(b) Analysis

By the instant minor change application, it is proposed to modify the authorization for KWLZ-FM from Channel 243C at Warm Springs, OR to Channel 242C3 at West Linn, OR. Unless otherwise noted, all population numbers are from the 2000 Census.

Spacing Study

The attached spacing study shows that the proposed West Linn 242C3 allotment site meets the co-channel and adjacent channel spacing requirements for Class C3 stations as prescribed in §73.207 of the Commission's Rules, with the exception of a short-spacing to the licensed operation of KXXO on Channel 241C at Olympia.

The instant KWLZ-FM application is a part of a contingent application group comprised of applications for KWLZ-FM and KXXO. KXXO is proposing a change in transmitter site. The proposed KWLZ-FM allotment site is fully-spaced to the simultaneously-proposed KXXO facility.

First Local Service to West Linn

The proposed Channel 242C3 allotment site is an existing tower site located 22.8 km from the far side of West Linn. The standard 70 dBu contour distance for a Class C3 facility is 23.2 km. Therefore, and as depicted on the attached map exhibit, the proposed allotment will provide 70 dBu service to 100% of West Linn.

The proposed operation will provide the first local service to West Linn, an incorporated city with a 2000 Census population of 22,261 persons. The West Linn city web site lists a 2006 population of 24,180 persons.¹

Warm Springs will retain local service from FM station KWSO Channel 220C2.

¹ <http://www.ci.west-linn.or.us/Information/fastfacts.htm>

“Tuck” Study Required

West Linn is located within the Portland, Oregon Urbanized Area as defined by the 2000 Census, and the 70 dBu contour encompasses 83% of the area and 85% of the population within the Portland UA. Therefore, this application includes a “Tuck” study, which demonstrates that West Linn is independent of Portland and warrants a first local service preference.

Gain and Loss Areas

There is no overlap of the West Linn gain area and the Warm Springs loss area. The gain area associated with the reallocation of KWLZ-FM encompasses an area of 4,803 sq km and a population of 1,739,920 persons. The loss area associated with the reallocation of KWLZ-FM encompasses an area of 17,577 sq km and a population of 73,890 persons.

There will be a net increase of service provided by KWLZ-FM to 1,666,030 persons.

Gain Area Existing Services Analysis

The entire gain area is considered to be well-served, with in excess of five existing services. The following stations each provide service to 100% of the West Linn gain area:

KMHD	206C1	Gresham
KBOO	214C1	Portland
KOPB-FM	218CØ	Portland
KGON	222C	Portland
KPDQ-FM	230C1	Portland
KNRK	234C2	Camas
KXJM	238C	Portland
KUPL-FM	254C1	Portland
KWJJ-FM	258C1	Portland
KKRZ	262C	Portland
KUFO-FM	266C	Portland
KINK	270C	Portland
KKCW	277C	Beaverton
KFIS	281C2	Scappoose

KRSK	286C1	Molalla
KIJZ	290C1	Vancouver
KLTH	294C	Lake Oswego
KVMX	298C1	Banks

Numerous additional stations also provide service to all or part of the West Linn gain area. A list of those stations can be provided should the Commission so require.

Loss Area Remaining Services Analysis

As depicted on the attached “Warm Springs Loss Area Study Map”, the proposed reallocation of KWLZ-FM will result in certain areas within the loss area being left underserved, i.e. with fewer than five aural services remaining. Specifically, zero aural services will remain in a 1,571 sq km area encompassing 260 persons; one aural service will remain in a 1,562 sq km area encompassing 217 persons; two aural services will remain in a 2,413 sq km area encompassing 1,835 persons; three aural services will remain in a 3,100 sq km area which encompasses 3,378 persons; and four aural services will remain in a 1,844 sq km area encompassing 1,614 persons.

The following facilities provide service to part or all of the Warm Springs loss area. Letters correspond to contour labels on the attached map exhibit.²

A	KLBR	201C2	Bend
B	KWRX	203C2	Redmond
C	KLVP-FM	204C1	Cherryville

²In determining reception service provided by FM stations, the area of service circumscribed by the station’s 1.0 mV/m signal contour was considered, assuming 1) actual facilities for non-commercial stations operating on reserved channels, 2) maximum facilities for the class of station for stations (other than Class C stations) operating on non-reserved channels, and 3) minimum or existing Class C facilities, whichever is greater, for Class C stations. For clear channel Class A AM stations, the service area was defined by the station’s 0.5 mV/m groundwave contour, based on its licensed facilities. For all other classes of full-time AM stations, reception service was defined as that service received within a station’s nighttime interference-free contour. See Meeker and Craig, Colorado, 15 FCC Rcd 23858 (2000), Stamps and Fouke, Arkansas, 14 FCC Rcd 10533 (1999), Silverton and Bayfield, Colorado, 14 FCC Rcd 4071 (1999), Malvern and Bryant, Arkansas, 13 FCC Rcd 8426 (1998), and others.

D	KVRA	207A	Sisters
E	KPFR	208C1	Pine Grove
F	KZRI	212C3	Welches
G	KVLB	213A	Bend
H	KBOO	214C1	Portland
I	KOAB-FM	217C2	Bend
J	KOPB-FM	218C0	Portland
K	KWSO	220C2	Warm Springs
L	KGON	222C	Portland
M	KRXF	224C2	Sunriver
N	KMSW	224C3	The Dalles
O	KPDQ	230C1	Portland
P	KXIX	231C0	Bend
Q	KLTW-FM	236C1	Prineville
R	KXJM	238C	Portland
S	KYCH-FM	246C	Portland
T	KNLR	248C1	Bend
U	KACI-FM	249C2	The Dalles
V	KTWS	252C3	Bend
W	KUPL-FM	254C1	Portland
X	KWJJ-FM	258C1	Portland
Y	KMTK	259C2	Bend
Z	KKRZ	262C	Portland
AA	KMGX	264C1	Bend
AB	KUFO-FM	266C	Portland
AC	KLRR	269C2	Redmond
AD	KINK	270C0	Portland
AE	KYYT	272C2	Goldendale
AF	KSJJ	275C1	Redmond
AG	KKCW	277C	Beaverton

AH	KXPC-FM	279C	Lebanon
AI	KWPK-FM	281C2	Sisters
AJ	KRSK	268C1	Molalla
AK	KCGB-FM	288A	Hood River
AL	KQAK	289C1	Bend
AM	KIJZ	290C1	Vancouver
AN	KLTH	294C	Lake Oswego
AO	KLVU	296C1	Sweet Home
AP	KVMX	298C1	Banks
AQ	KBND	1110 kHz	Bend NIF = 6.5 mV/m
AR	KEX	1190 kHz	Portland Class A 0.5 mV/m
AS	KRDM	1240 kHz	Redmond NIF = 22.3 mV/m

It is noted that the proposed reallocation of KWLZ-FM will result in the creation of a white area encompassing 260 persons and a gray area encompassing 217 persons. This is not, however, believed to be an impediment to the grant of the instant application because these small population figures are *de minimis* when compared with the population which will receive its first local service (24,180 persons according to the West Linn city web site) and with the population which will receive additional service (1,739,920 persons).

The Commission has long recognized that strict application of the Allotment Priorities can have results which are not in the public interest. "...the issue of whether a particular population gain is *de minimis* pertains to all four Priorities in FM Priorities. We will not give a decisional preference or apply any of these Priorities in a manner that would lead to an anomalous result or otherwise circumvent the public interest." *Seabrook, Huntsville, Bryan, Victoria, Kenedy, and George West, Texas*, Memorandum Opinion and Order, 10 FCC Rcd 9360 (1995).

The proposed reallocation of KWLZ-FM to West Linn will provide the first local service to a community of 24,180 persons, more than 50 times the population of the gray and white areas. This situation presents an even more compelling case for application of the precedent in *Silverton*

*and Bayfield.*³ Therefore, grant of the instant proposal represents a preferential arrangement of allotments, would be consistent with precedent, and is in the public interest.

³ *Silverton and Bayfield, Colorado*, Report and Order, 14 FCC Rcd 21502 (MMB 1999). See also *Eldorado, Mason, Mertzon, and Fort Stockton, Texas*, Memorandum Opinion and Order, MB Docket No. 02-167, released on January 12, 2007.

Hatfield & Dawson Consulting Engineers

=====

SEARCH PARAMETERS FM Database Date: 070108

Channel: 242C3 96.3 MHz Page 1

Latitude: 45 31 58

Longitude: 122 33 57

Safety Zone: 50 km

Job Title: WEST LINN 242C3 ALLOTMENT SITE

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
K240CZ APP	TIGARD OR	BMPFT-070104ACP	240D 95.9	0.019 385.0	45-30-58 122-43-59	262.0	13.20 0.00	0 TRANS
K240CZ CP MOD	TIGARD OR	BMPFT-041021ACX	240D 95.9	0.099 24.0	45-31-11 122-48-37	265.7	19.15 0.00	0 TRANS
K240DA CP	STEVENSON WA	BNPFT-030825AER	240D 95.9	0.010 1363.0	45-38-56 121-43-17	78.6	67.15 0.00	0 TRANS
K240DA APP	STEVENSON WA	BMPFT-061218ADA	240D 95.9	0.090 241.0	45-43-27 121-53-11	67.8	57.10 0.00	0 TRANS
KZEL-FM LIC	EUGENE OR	BLH-900321KB	241C 96.1	100.000 333.0	44-00-05 123-06-48	194.4	175.61 -0.39	176 SHORT
KXXO LIC	OLYMPIA WA	BLH-900308KB	241C 96.1	85.000 640.0	46-38-07 122-28-01	3.5	122.78 -53.22	176 SHORT
NOTE: SIMULTANEOUS SITE CHANGE PROPOSED FOR KXXO								
KXXOaux CP	OLYMPIA WA	BXPB-050119AGG	241C 96.1	4.000 349.0	46-50-34 122-45-46	354.1	146.40 0.00	0 AUX
KQRZ-LP CP	HILLSBORO OR	BNPL-010612AHG	242L1 96.3	0.100 12.1	45-30-27 122-58-02	265.0	31.49 0.00	0 LPFM
KKJC-LP LIC	MCMINNVILLE OR	BLL-030801BNR	242L1 96.3	0.100 17.3	45-09-39 123-09-14	228.2	61.91 0.00	0 LPFM
KQSO-LP CP MOD	NEWBERG OR	BMPL-060613AAA	242L1 96.3	0.001 343.3	45-21-18 122-59-18	239.2	38.51 0.00	0 LPFM
K242AF LIC	PORTLAND OR	BLFT-031112AGM	242D 96.3	0.034 299.0	45-27-17 122-32-58	171.6	8.77 0.00	0 TRANS
K242AB LIC	SALEM OR	BLFT-921120TD	242D 96.3	0.250 48.0	44-56-33 123-02-01	209.3	75.18 0.00	0 TRANS
KPCN-LP LIC	WOODBURN OR	BLL-061114ADL	242L1 96.3	0.031 53.0	45-08-29 122-51-21	207.6	49.08 0.00	0 LPFM
KPVN-LP LIC	WOODBURN OR	BLL-061114ADM	242L1 96.3	0.031 53.0	45-08-29 122-51-21	207.6	49.08 0.00	0 LPFM

=====

SEARCH PARAMETERS FM Database Date: 070108

Channel: 242C3 96.3 MHz Page 2

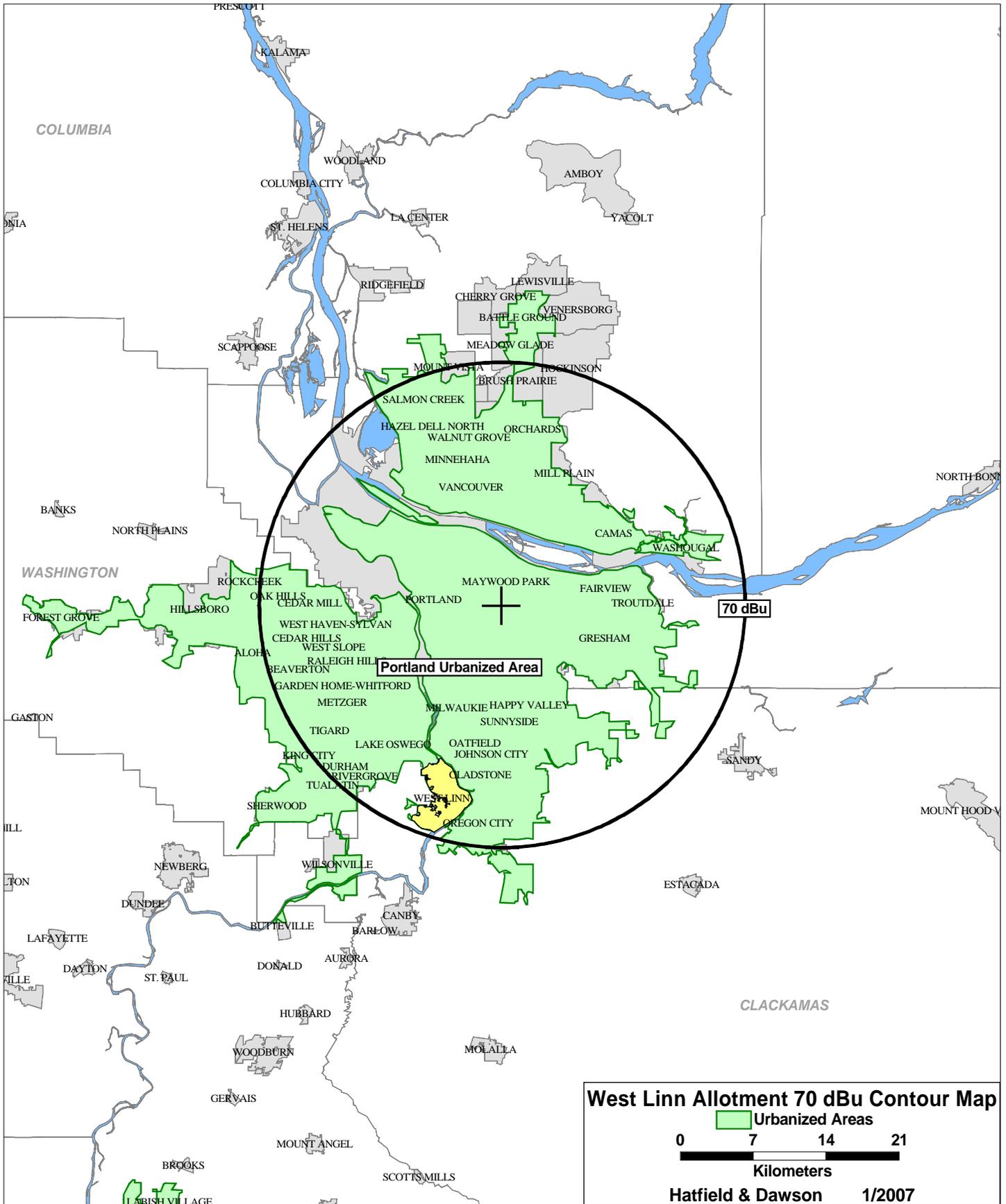
Latitude: 45 31 58

Longitude: 122 33 57

Safety Zone: 50 km

Job Title: WEST LINN 242C3 ALLOTMENT SITE

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
K242AX CP	UNDERWOOD WA	BNPFT-030818AAE	242D 96.3	0.010 732.0	45-44-32 121-34-46	72.8	80.35 0.00	0 TRANS
KCBZ LIC	CANNON BEACH OR	BLH-990607KA	243A 96.5	0.950 92.0	45-57-08 123-56-14	294.2 SS	116.46 27.46	89 CLEAR
K243BG LIC	CORVALLIS OR	BLFT-050930BMZ	243D 96.5	0.250 388.0	44-38-25 123-16-25	209.5	113.77 0.00	0 TRANS
KWLZ-FM LIC	WARM SPRINGS OR	BLH-860127KG	243C 96.5	100.000 332.0	44-50-24 121-13-56	125.9	130.05 -45.95	176 SHORT
NEW-T APP	RIDGEFIELD WA	BNPFT-030313AAW	243D 96.5	0.050 148.0	45-46-35 122-41-30	340.2	28.80 0.00	0 TRANS
KJQA LIC	SEATTLE WA	BLH-060710ABP	243C 96.5	52.000 696.0	47-30-17 121-58-03	11.6 SS	223.96 47.96	176 CLEAR
NEW-T APP	CULLY OR	BNPFT-030317IJR	244D 96.7	0.016 396.0	45-31-21 122-44-45	265.4	14.11 0.00	0 TRANS
NEW-T APP	PARKDALE OR	BNPFT-030317MDW	244D 96.7	0.001 388.0	45-35-44 121-32-12	84.7	80.65 0.00	0 TRANS
NEW-T APP	ROCKCREEK OR	BNPFT-030314ACI	244D 96.7	0.016 396.0	45-31-21 122-44-45	265.4	14.11 0.00	0 TRANS
NEW-T APP	WILLBRIDGE OR	BNPFT-030310BHE	244D 96.7	0.010 0.0	45-31-23 122-45-07	265.8	14.58 0.00	0 TRANS
NEW-T APP	ARIEL WA	BNPFT-030317KKM	244D 96.7	0.010 805.0	45-59-37 122-35-42	357.5	51.27 0.00	0 TRANS
K296FT CP	WEST HAVEN OR	BNPFT-030813ADJ	296D 107.1	0.028 312.0	45-29-20 122-41-40	244.1	11.17 0.00	0 TRANS
NEW-T APP	SKAMANIA WA	BNPFT-030313AAJ	296D 107.1	0.003 798.0	45-41-01 122-04-17	66.3	42.06 0.00	0 TRANS
44444			BEGINNING SEARCH OF SECONDARY DATABASE			44444		
KXXO APP	OLYMPIA WA		241C0 96.1	0.000 0.0	47-18-46 123-22-15	343.0	207.31 44.31	163 CLEAR
KWLZ-FM RSV	WEST LINN OR	C3 ALLOT	242C3 96.3	0.000 0.0	45-31-58 122-33-57	0.0	0.00 -153.00	153 SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 142 KM								
44444			END OF FM SPACING STUDY FOR CHANNEL 242			44444		



Portland Urbanized Area

70 dBu

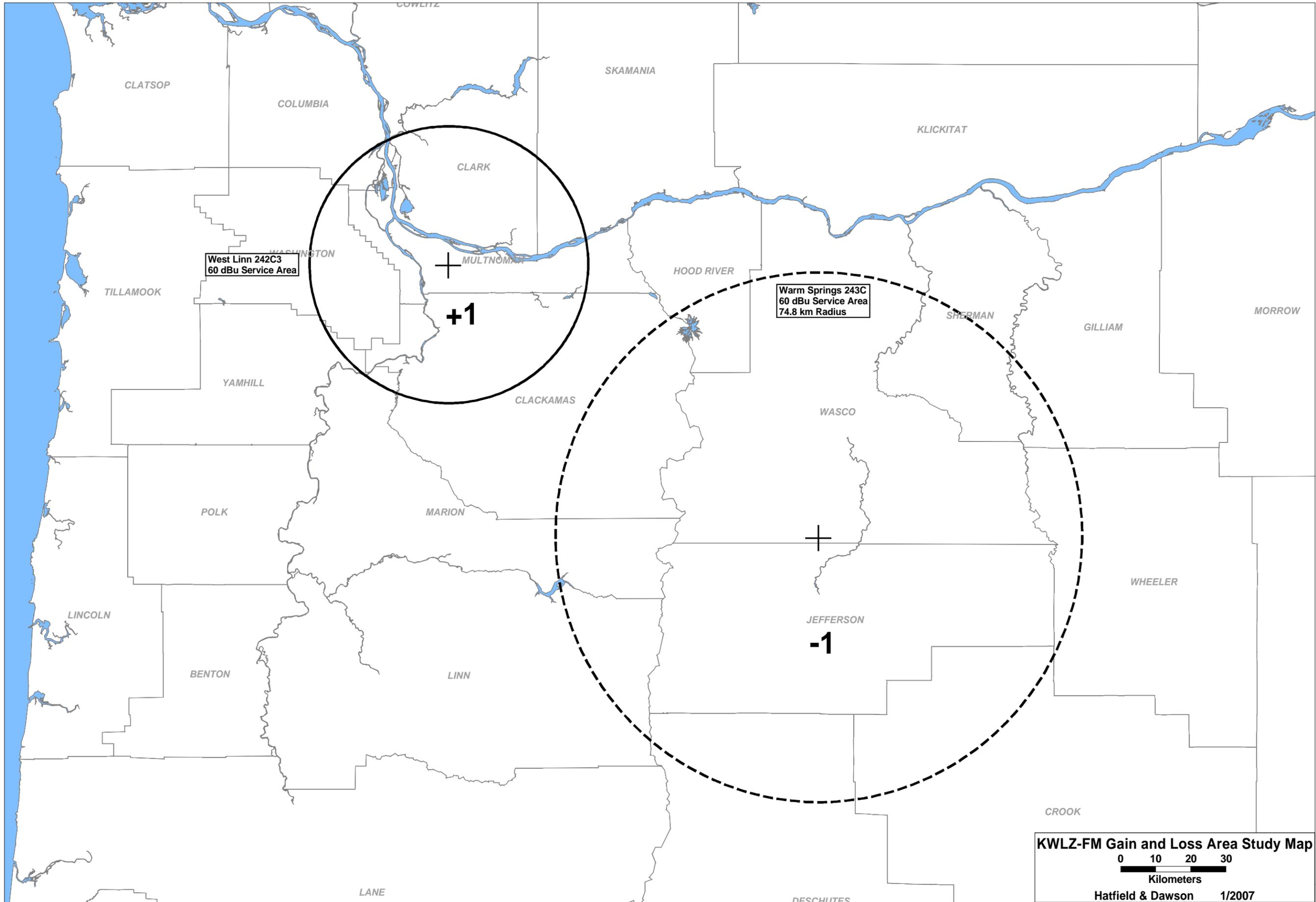
West Linn Allotment 70 dBu Contour Map

Urbanized Areas

0 7 14 21

Kilometers

Hatfield & Dawson 1/2007



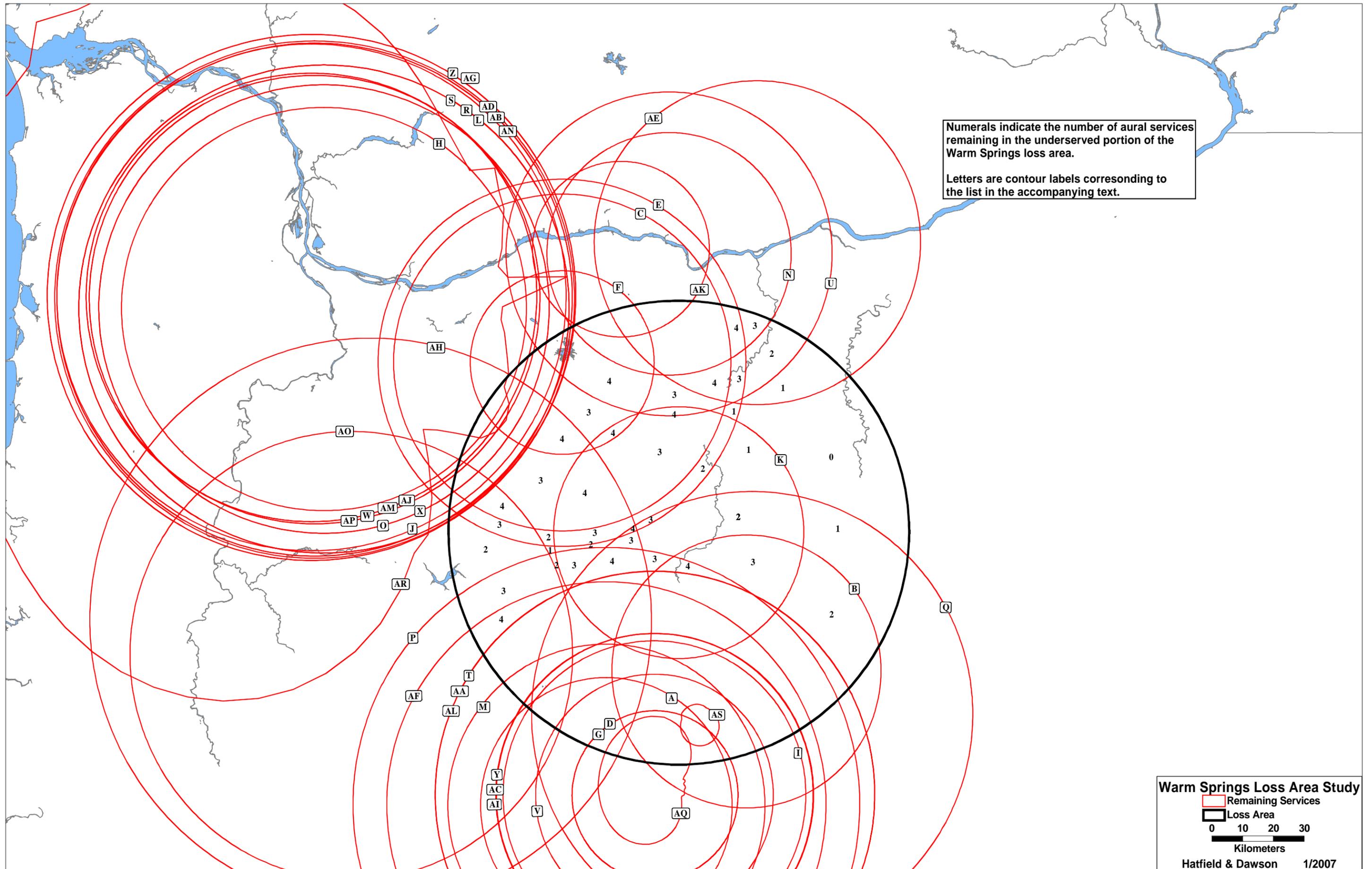
West Linn 242C3
60 dBu Service Area

Warm Springs 243C
60 dBu Service Area
74.8 km Radius

+1

-1

KWLZ-FM Gain and Loss Area Study Map
0 10 20 30
Kilometers
Hatfield & Dawson 1/2007



Numerals indicate the number of aural services remaining in the underserved portion of the Warm Springs loss area.
 Letters are contour labels corresponding to the list in the accompanying text.

Warm Springs Loss Area Study

- Remaining Services
- Loss Area

0 10 20 30
 Kilometers

Hatfield & Dawson 1/2007