

**November 2012**  
**KWOK(AM) 1490 kHz Aberdeen, Washington**  
**KDUX-FM Channel 284C2 Hoquiam, Washington**  
**Section 307(b) Analysis**

KWOK is presently licensed for operation on 1490 kHz at Hoquiam, Washington. The station's proposed transmitter site change does not satisfy the nighttime coverage requirement to Hoquiam. Therefore it is proposed to modify KWOK to specify operation on 1490 kHz at Aberdeen, Washington. In order to ensure that Hoquiam (a community with a population in excess of 7500 persons) does not lose its second local service, it is proposed to modify the license of FM station KDUX-FM to specify Hoquiam as that station's community of license.

As a result of grant of this proposal, there will be a net increase in service to 1041 persons. No white, gray, or underserved areas will be created. This proposal does not involve a migration from a rural area to an urbanized area.

**Local Service Parity Will Be Maintained**

By grant of these coordinated applications, there will be no net change in the number of stations licensed to Hoquiam, an incorporated city with a 2010 Census population of 8,726 persons. At present there are two stations licensed to Hoquiam (KWOK 1490 kHz and KXXK 237A), and following grant of these applications there will remain two stations licensed to Hoquiam (KDUX-FM 284C2 and KXXK 237A).

Likewise, there will be no net change in the number of stations licensed to Aberdeen, an incorporated city with a 2010 Census population of 16,896 persons. At present there are 4 stations licensed to Aberdeen (KXRO 1320 kHz, KBKW 1450 kHz, KBSG 212C3, and KDUX-FM 284C2), and following grant of these applications there will remain four stations licensed to Aberdeen (KXRO 1320 kHz, KBKW 1450 kHz, KWOK 1490 kHz, and KBSG 212C3).

**No "Tuck" Study is Required**

The communities of Hoquiam and Aberdeen are not located within any Urbanized Area, and the principal community contours of KWOK and KDUX-FM will not encompass any part of any Urbanized Area. Indeed, the nearest Urbanized Area is the Olympia–Lacey, WA Urbanized Area,

located some 54 kilometers distant from the KDUX-FM transmitter site, and 60 kilometers distant from the KWOK transmitter site. Given this distance, it will not be possible for a simple minor modification of KDUX-FM to provide principal community service to the Olympia–Lacey UA, particularly when one considers the fact that KDUX-FM’s first-adjacent channel station KKBW 285C3 Eatonville lies in that direction, already provides service to the Olympia–Lacey UA, and is already §73.215 short-spaced to KDUX-FM. Likewise, it would not be possible for a minor modification of KWOK (a Class C AM station with a limited service radius) to provide principal community service to the Olympia–Lacey UA while also providing principal community service to Aberdeen.

Consequently, no element of the instant proposal triggers the requirement of a “Tuck” study.

### **Gain and Loss Areas**

Since there is no change in technical facility proposed for KDUX-FM, there are no gain or loss areas directly associated with the relicensing of that station from Aberdeen to Hoquiam.

With regard to the KWOK modification, there is some overlap of the Hoquiam loss area and the Aberdeen gain area. The gain area directly associated with the modification of KWOK encompasses a population of 4119 persons.<sup>2</sup> The loss area directly associated with the modification of KWOK encompasses a population of 3078 persons.

There will be a net increase of service provided by KWOK to 1041 persons.

### **Loss Area Remaining Services Analysis**

All of the loss area will remain well-served, i.e. with at least five aural services remaining. No white or gray areas will be created. Indeed, no portion of the loss area will be left with fewer than 12 services remaining.

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<sup>2</sup> Unless otherwise noted, all population figures quoted in this study are based on 2010 Census block-level data.

As is depicted on the attached map exhibit, the following 18 stations each provide service to all or a portion of the loss area.<sup>3</sup>

A	KXRO	1320 kHz	Aberdeen
B	KBKW	1450 kHz	Aberdeen
C	KWAO	201C	Ocean Park
D	KBSG	212C3	Aberdeen
E	KCFL	216A	Westport
F	KGHI	218A	Westport
G	KANY	229C0	Montesano
H	KXXK	237A	Hoquiam
I	KXXO	241C	Olympia
J	KGY-FM	245C2	McCleary
K	KOMO-FM	249C	Oakville
L	KDDS-FM	257C	Elma
M	KLWA	267A	Westport
N	KSWW	271C3	Ocean Shores
O	KNBQ	275C	Centralia
P	KDUX-FM	284C2	Aberdeen
Q	KJET	289C2	Raymond
R	KLSY	297A	Cosmopolis

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<sup>3</sup>In determining reception service provided by non-reserved band FM stations, the area of service circumscribed by the station's service contour was considered, assuming currently authorized or proposed facilities, with calculation of the contour based on the facility's authorized or proposed ERP and HAAT, and taking into account actual terrain. The FM service contour is as set forth for the class of station in Section 73.215(a)(1). For NCE reserved band stations, the service contours were determined in the same manner, the service contour being the 60 dBu contour. For AM stations, the service area was defined by the station's daytime 2 mV/m groundwave contour. All full-service AM (including daytime-only AM), FM, and NCE FM stations were counted, including granted but unbuilt construction permits for new stations. Vacant FM allotments were not counted. Nor were daytime-only AM stations counted as providing reception service with regard to evaluation of white and gray area. See Second Order on Reconsideration in *Policies to Promote Rural Radio Service*, MB Docket No. 09-52, Released October 12, 2012.

The following populations will lose an existing service:

Services Remaining	Population
12	77
13	1386
14	142
15	730
16	743

### Gain Area Existing Service Analysis

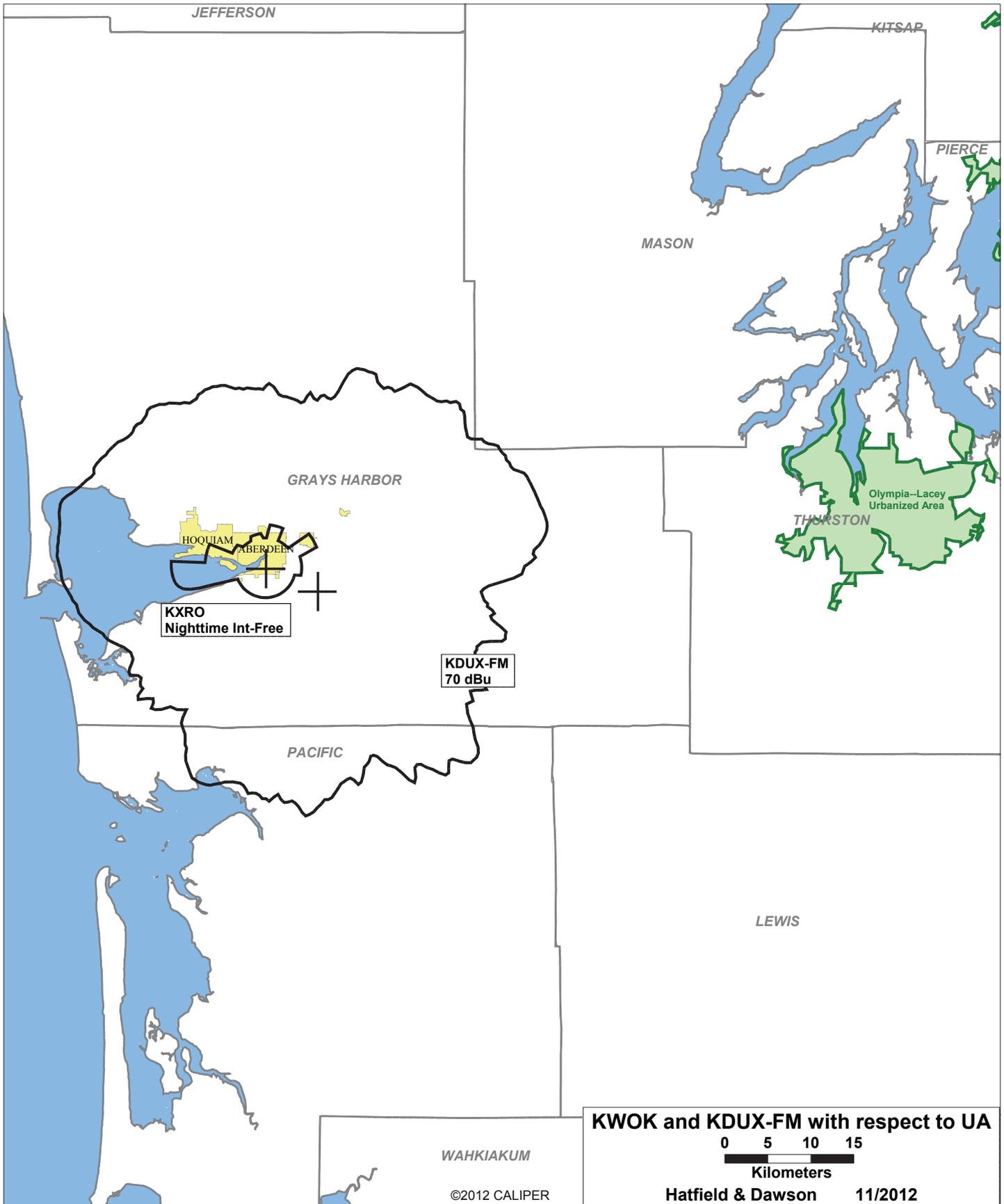
All of the gain area is well-served, i.e. with at least five aural services existing. As is depicted on the attached map exhibit, the following 18 stations each provide service to all or a portion of the gain area.

A	KXRO	1320 kHz	Aberdeen
B	KBKW	1450 kHz	Aberdeen
C	KWAO	201C	Ocean Park
D	KBSG	212C3	Aberdeen
E	KCFL	216A	Westport
F	KGHI	218A	Westport
G	KANY	229C0	Montesano
H	KXXK	237A	Hoquiam
I	KXXO	241C	Olympia
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K	KOMO-FM	249C	Oakville
L	KDDS-FM	257C	Elma
N	KSWW	271C3	Ocean Shores
O	KNBQ	275C	Centralia
P	KDUX-FM	284C2	Aberdeen
Q	KJET	289C2	Raymond

R	KLSY	297A	Cosmopolis
S	KGHE	206A	Elma

The following populations will gain an additional service:

<b>Services Existing</b>	<b>Population</b>
14	25
15	2626
16	1392



JEFFERSON

KITSAP

PIERCE

MASON

GRAYS HARBOR

HOQUIAM ABERDEEN

**KXRO**  
Nighttime Int-Free

**KDUX-FM**  
70 dBu

Olympia-Lacey  
Urbanized Area

THURSTON

PACIFIC

LEWIS

WAHKIAKUM

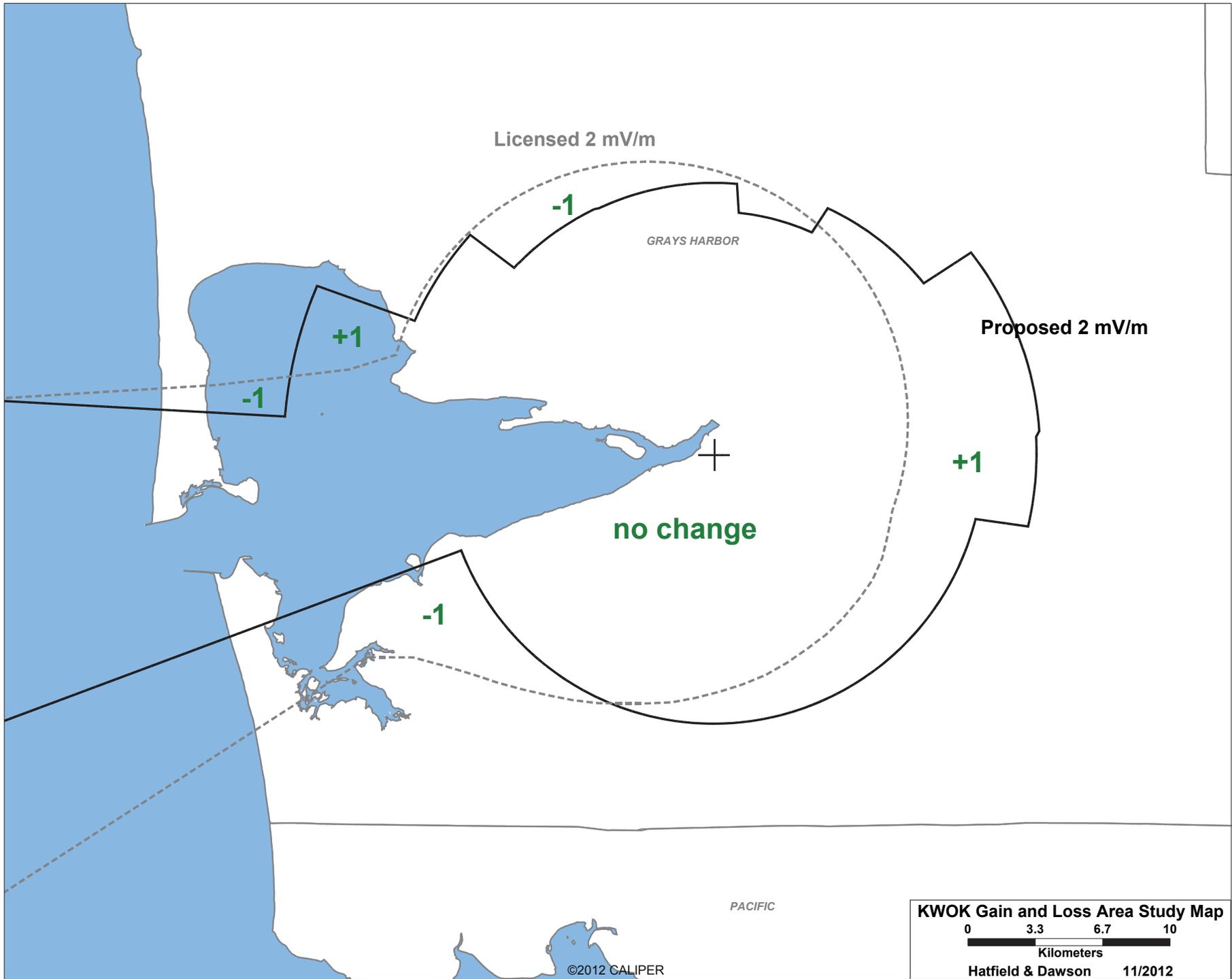
**KWOK and KDUX-FM with respect to UA**

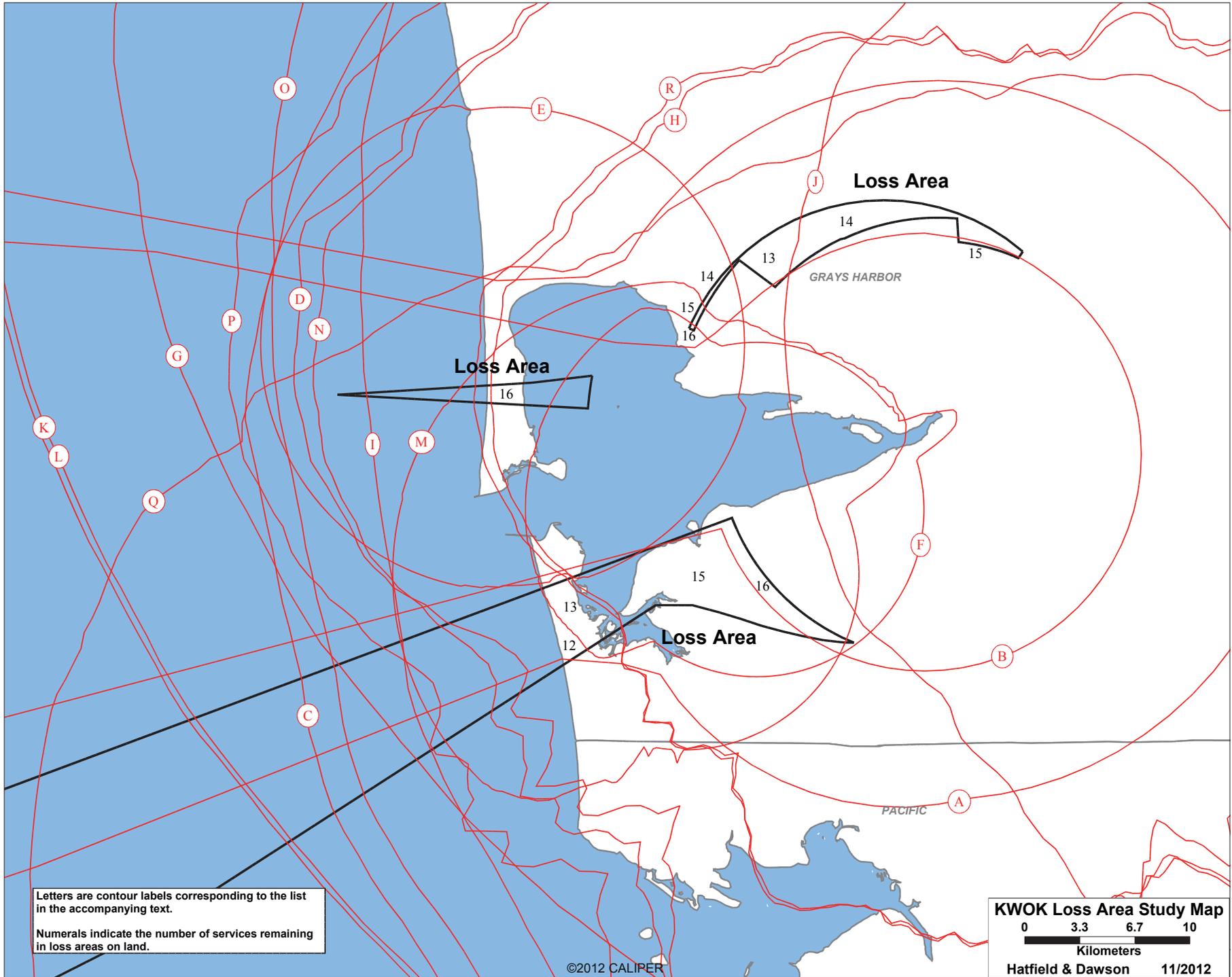
0 5 10 15

Kilometers

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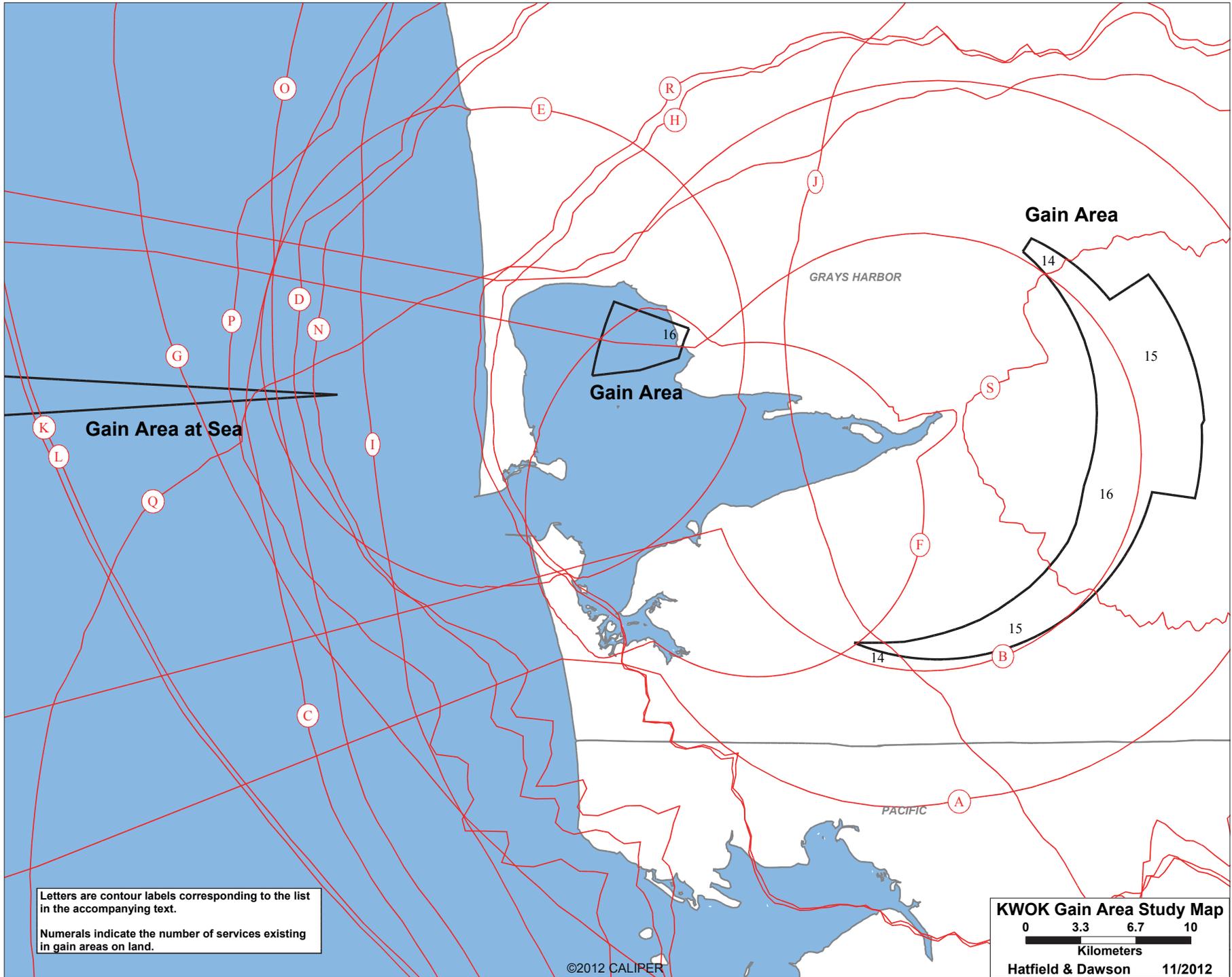
Letters are contour labels corresponding to the list in the accompanying text.

Numerals indicate the number of services remaining in loss areas on land.

**KWOK Loss Area Study Map**

0 3.3 6.7 10  
Kilometers

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Letters are contour labels corresponding to the list in the accompanying text.

Numerals indicate the number of services existing in gain areas on land.

**KWOK Gain Area Study Map**

0 3.3 6.7 10  
Kilometers

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