August 2021
New FM Channel 220A
Cambridge, Idaho
First Aural Reception Service Study

A study has been made of the existing aural service provided to areas within the 60 dBu contour of the proposed NCE FM facility, and which confirms that this application will provide a first aural reception service. This study was conducted consistent with the methodology described in *Rural Radio*.[1] The results of that study indicate that the following existing stations provide aural service to a portion of this area, as depicted on the attached map exhibit:

Callsign	Channel/Freq	Community
KUJJ	238C1	McCall
KAWO	282C	Boise
KBXL	231C	Caldwell
KCIX	290C	Garden City
KIZN	222C	Boise
KJOT	286C	Boise
KKGL	245C	Nampa
KQBL	270C	Emmett
KQFC	250C	Boise
KRVB	235C	Nampa
KSAS	278C	Caldwell
KTHI	296C	Caldwell

[1] In determining reception service provided by non-reserved band FM stations, the service contour used is that which is set forth for the class of station in §73.215(a)(1) of the Rules. The service contour has been calculated based on the facility's authorized effective radiated power and height above average terrain, taking into account actual terrain. Vacant FM allotments have not been counted. In determining reception service provided by reserved band FM stations, the service contour used is the 60 dBu contour.

In determining reception service provided by AM stations, the service contour used is the daytime 2.0 mV/m ground wave contour, calculated from the current transmitter coordinates using authorized facilities.

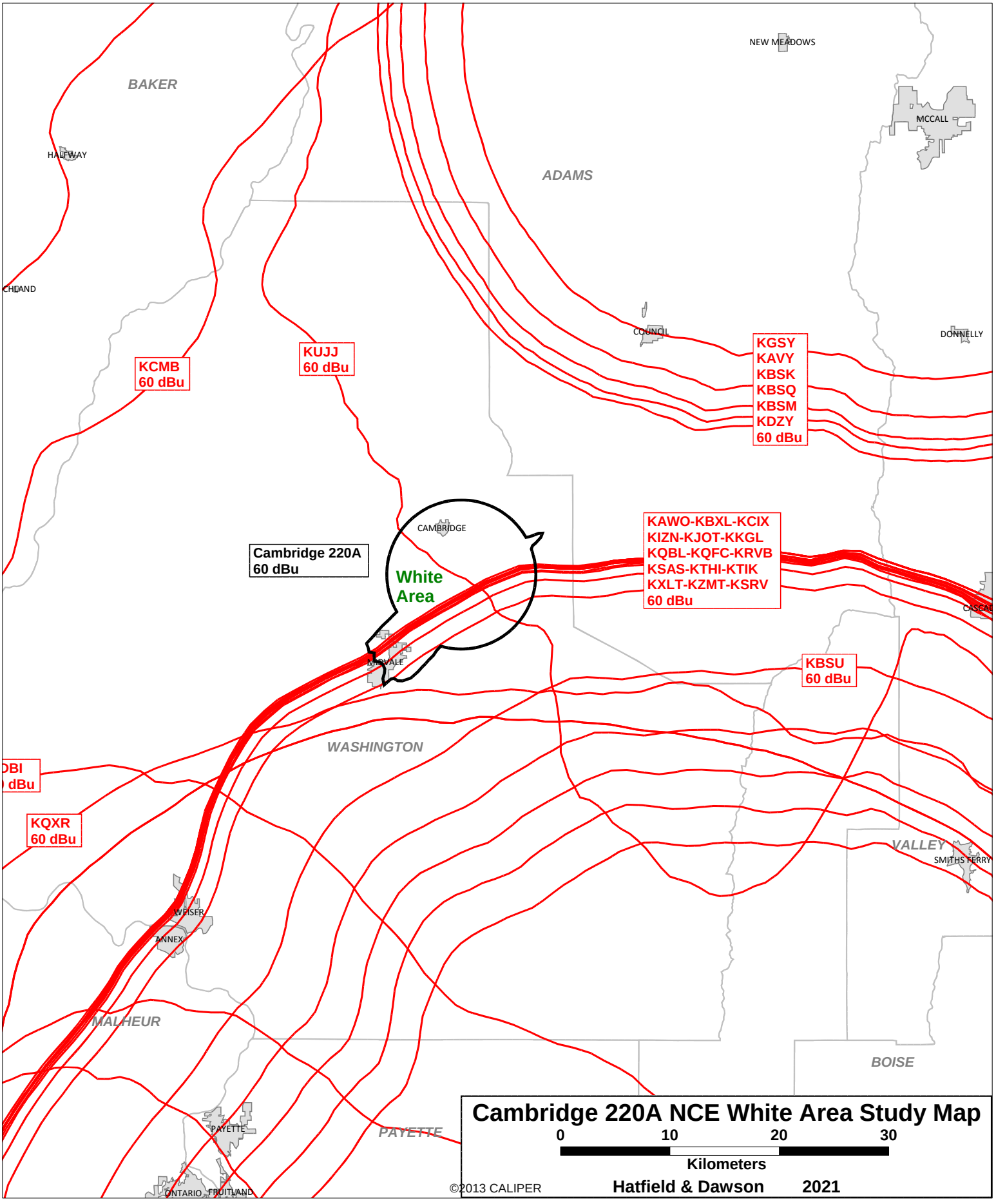
In the case of stations with granted, but unbuilt construction permits for modifications to their currently licensed or permitted facilities, the authorized but unbuilt modified facilities have been used.

Rural Radio 2nd Order on Recon at paragraphs 15-17, including Footnote 65.

KTIK	226C	New Plymouth
KXLT	300C	Eagle
KZMG	274C	Melba
KSRV	241C	Ontario
KQXR	262C1	Payette

The following table lists the population served by the proposed facility, along with the area and population which will receive its first aural reception service as a result of the grant of the instant application. Population counts are per the 2010 Census, using the block centroid method.

Proposed	**Area & Population**
60 dBu	169 sq km 997 pop
First Aural Service	52 sq km 39 pop


BAKER
ADAMS
WASHINGTON
MALHEUR
BOISE
PAYETTE
VALLEY
NEW MEADOWS
MCCALL
HALFWAY
CHLAND
COUNCIL
DONNELLY
CAMBRIDGE
MIDVALE
CASCADE
SMITHS FERRY
WEISER
ANNEX
PAYETTE
ONTARIO
FRUITLAND
KCMB
60 dBu
KUJJ
60 dBu
KGSY
KAVY
KBSK
KBSQ
KBSM
KDZY
60 dBu
KAWO-KBXL-KCIX
KIZN-KJOT-KKGL
KQBL-KQFC-KRVB
KSAS-KTHI-KTIK
KXLT-KZMT-KSRV
60 dBu
KBSU
60 dBu
KQXR
60 dBu
Cambridge 220A
60 dBu
White
Area
Cambridge 220A NCE White Area Study Map
0
10
20
30
Kilometers
©2013 CALIPER
Hatfield & Dawson
2021