

**September 2007**  
**New FM Channel 218A**  
**Brookings, OR**  
**Area and Population Calculation Methodology**

Calculation of the area within the 60 dBu contour was performed by the mapping program Maptitude, which includes a function which automatically calculates the area within irregular polygons. In cases where the 60 dBu contour included any large water areas, those were excluded by using a related tool in the program which allows the user to outline an irregular polygon. The software returns the area of that polygon, and that area was then subtracted from the total area within the contour.

Total area inside 60 dBu contour:	1,932 sq km
Water area excluded: Pacific Ocean	1,255 sq km
Total land area inside 60 dBu contour:	677 sq km

Population was calculated by summing the individual populations of each of the census blocks from the 2000 Census whose centroids are encompassed by the proposed 60 dBu contour.

Population inside 60 dBu contour:	14,492
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