



**WNUX (FM), Montgomery, WV, FCC Facility ID # 171273**

**License Application Covering Construction Permit BMPED-20120731AGV**

**Statement Regarding Principal Community Coverage**

WNUX has been constructed in accordance with its Construction Permit BMPED-20120731AGV.

Condition 9 on the Construction Permit requires a showing that the principal community will be adequately served, taking into account the measured proof of performance provided by the antenna manufacturer.

The 60 dBu f(50,50) contour was mapped using antenna height above mean sea level, the measured composite pattern, and a maximum ERP of 3.3 kW-H and 3.3 kW-V.

A centroid-based population count shows that 100% of the population of the principal community falls within the 60 dBu contour thus created.

In addition, the contour was plotted over a basemap, and the entire community falls within the 60 dBu contour. (Please see the following pages.)

It is concluded that the antenna as tested provides sufficient signal to meet the requirement of §73.515 that the station provide a minimum field strength of 60 dBu f(50,50) over at least half the area or population of the community.

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Skywaves Consulting LLC  
PO Box 4, Millbury, MA 01527

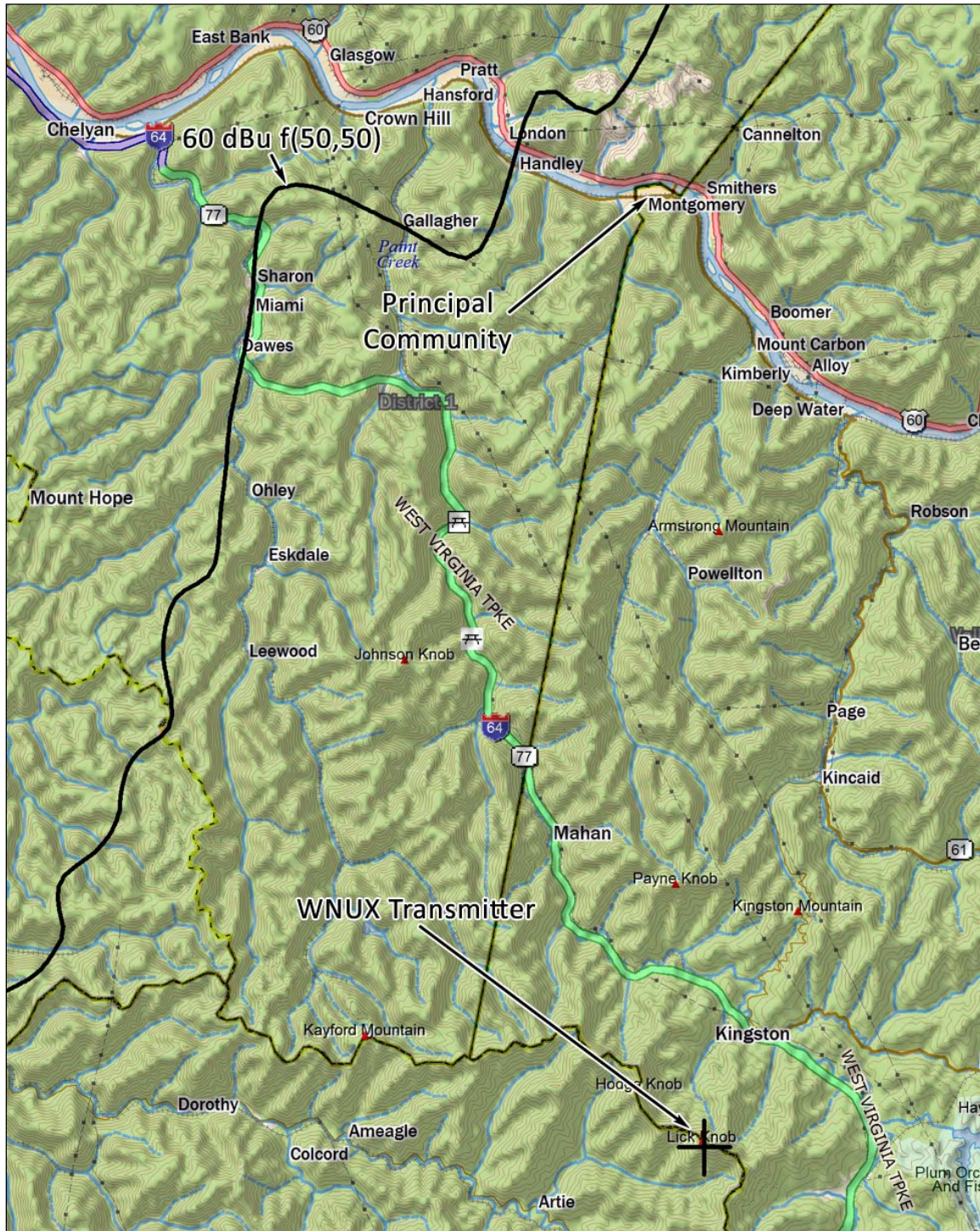
Main Number: 401-354-2400

<http://www.skywaves.com>

Washington: 202-370-6357

[consultants@skywaves.com](mailto:consultants@skywaves.com)

Map 1: Overall Area



This map shows the relative positions of the transmitter, the 60 dBu f(50,50) contour plotted using the measured composite pattern, and the principal community of Montgomery.

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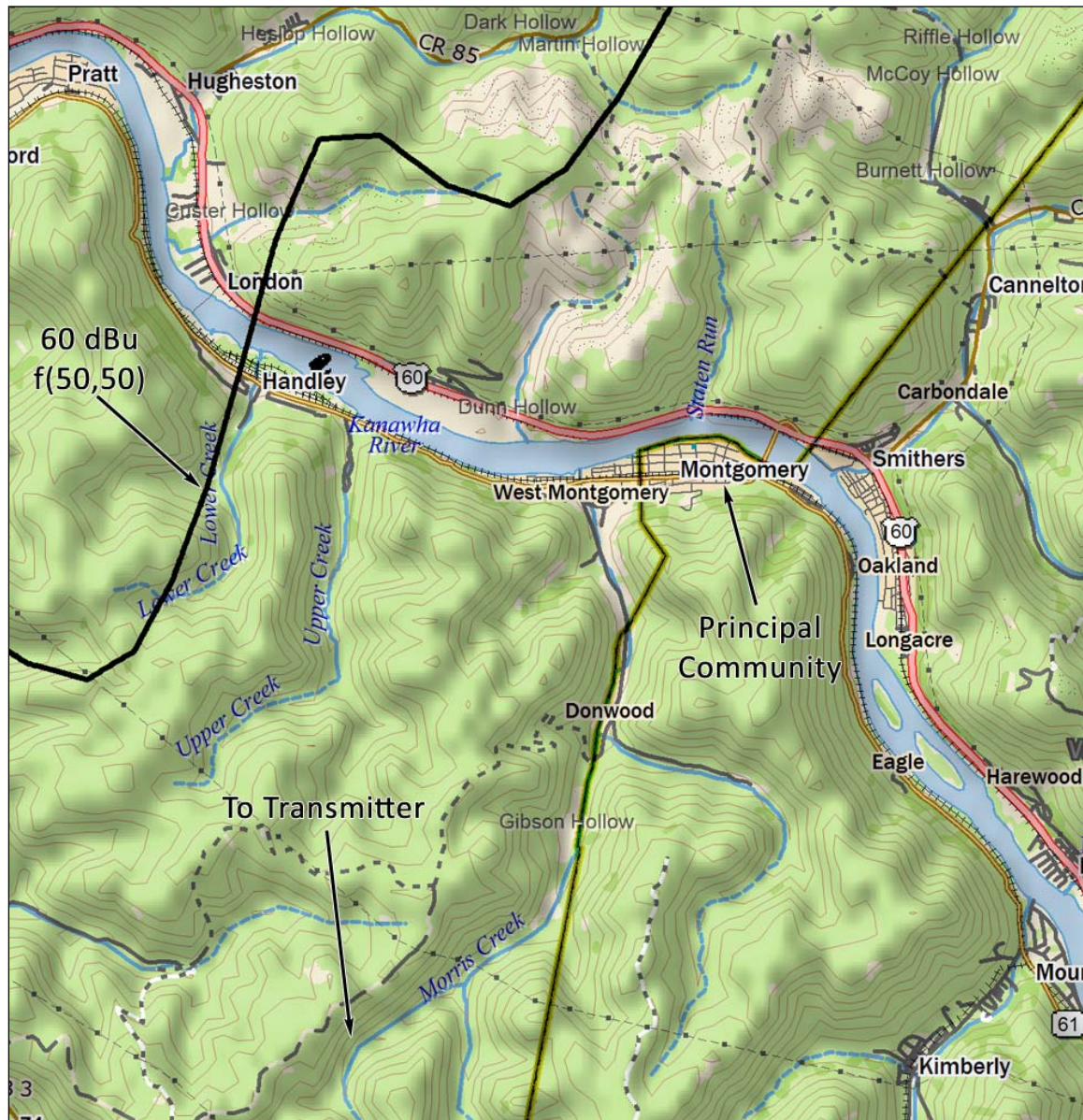
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**Map2: Principal Community Detail**



The entire principal community of Montgomery clearly falls within the 60 dBu f(50,50) contour.

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