



LOUISIANA DEPARTMENT OF AGRICULTURE & FORESTRY  
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 COMMISSIONER



**2018 BMP Survey Results**

- We used the following formula from the USFS to determine how many sites had to be inspected:

$$N = \frac{4p(100 - p)}{M^2}$$

Where: N = # of sites to monitor  
 P = % of estimated BMP rate (85%)  
 M = margin of error (5%)

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\*Using this formula, I determined that **204** sites needed to be inspected.

Using the Severance Tax Report, I determined the total amount of boardfeet harvested statewide. I divided this number by 204 which told me that for every 4 million boardfeet harvested, there needed to be one site inspected. Again, using the severance tax report, I took the breakdown of the harvest report for each parish and took the total amount harvested in each parish and divided that by 4 million which told me how many sites needed to be inspected in each parish. This number ranged from 0 to 19 sites.

The pilots found twice the number of sites needed in each parish to turn in to the foresters. The foresters then randomly picked the number of sites needed from this number. The total number of tracts chosen by pilots for foresters to randomly choose from was **408**. This number was used to determine a 95% confidence interval.

**-Percent compliance based on a 95% confidence interval: 97.36% +/- 4.86%**