



# Assessment Equity Study Report Buncombe County North Carolina Appendix C Sales Disqualification Study June 2024

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# Buncombe County North Carolina Assessment Equity Study Report

## Appendix C Sales Disqualification Study

Even if the sales approach is not the primary driver of the valuation process, sales will be used to measure assessment performance. When a property's attributes at the time of sale are principally the same as at the time of valuation, there is a relationship between sale price and market value. When the attributes at time of sale and the attributes at time of valuation are *significantly* different, that relationship no longer holds true. The sale price may bear little or no relationship to the value. If we are using a ratio study as part of the equity analysis, these transactions must be identified and removed from consideration. Section 3.5 of the Standard on Ratio Studies states:

"The appraiser must ascertain whether the property rights transferred, the permitted use, and the physical characteristics of the property on the date of assessment are the same as those on the date of sale. If the physical characteristics of the property have changed since the last appraisal, adjustments may be necessary before including the property in a ratio study. Properties with significant differences in these factors should be excluded from the ratio study."<sup>1</sup> It must be emphasized that these sales are disqualified *only* for ratio studies. Because the attributes are matched with the sales prices, they are fine to use for modeling or valuation and representation studies. It is the comparison to *market values* when the attributes have changed that breaks the relationship between attributes and price.

It is vitally important to use a properly screened and validated data source when conducting analysis of assessment performance, and why it is strongly recommended that a well validated file of transactions where a property's attributes at the time of sale are principally the same as at the time of valuation is created and used to evaluate assessment performance. The difference is not trivial. It is not unusual to disqualify around 40% of the transactions through this process. In qualifying sales for the study used in this report, 42.8% of the transactions were disqualified. If almost half of the data used for a study is flawed, one is bound to get misleading results!

Critics who are unfamiliar with, or choose not to adhere to the IAAO Standard, will say that too many sales are removed. This is not a subjective process, and there is no target number of sales to remove. Disqualification is not determined by a person. The disqualifiers are in the data. *This is the way it is supposed to be done!*

Previous studies for Buncombe County used publicly available sales data that were not validated and did not capture attributes as of the date of sale. Therefore, transactions where the attributes of the property at the time of valuation were different than the attributes that were present at the time of sale were not removed from those ratio studies. We can be sure of this because the Assessor's office created the file that meets this standard in preparation for this study – it has not existed before this.

To qualify /disqualify transactions, I compared neighborhood, property type, condition of improvements, quality of construction, size category and building square footage at time of sale to those same attributes at time of valuation, disqualifying those where any of these attributes were different. Minor changes to a property would not disqualify a transaction.

<sup>1</sup> IAAO Standard on Ratio Studies April 2013 Section 3.5 [https://www.iaao.org/media/standards/Standard\\_on\\_Ratio\\_Studies.pdf](https://www.iaao.org/media/standards/Standard_on_Ratio_Studies.pdf)

## Disqualification Rates

Understanding how rates of disqualification vary across submarkets yields valuable insights into the behavior of the residential market in Buncombe County. *Unqualified analysts often assume or posit that disqualification rates should be constant throughout the inventory.* This is hardly ever the case in ‘real’ markets.

When using sales for valuation, as in building regression models, or running a ratio study it is important to remove transactions that are outliers or not representative of typical market activity. The most common methods of removing outliers are simple truncation or Inter-quartile range (IQR). Both techniques require ranking all ratios from highest to lowest. Simple truncation removes the same percentage of ratios from the top and bottom of the arrayed data. IAAO allows for removal of up to 10% of ratios from a large sample size through truncation. Determining the optimal percentage of transactions to remove can be problematic. The technique also assumes that outliers are evenly distributed at both ends of the ratio array. The IQR method identifies and eliminates the top and bottom quartile of the arrayed ratios. Many assessment oversight agencies use the IQR method. Either method is useful for reporting one set of statistical performance measures for the entire jurisdiction. Neither should be used if the purpose of the ratio study is diagnostic in nature. If a submarket is highly over-assessed or under-assessed, one runs the risk of eliminating all of the observations that would expose that submarket’s performance.

An excellent method of outlier removal is the use of studentized residuals. The process precisely identifies and disqualifies transactions that exert undue influence on a regression model. The main drawback is that it requires building regression models. For this study, I used the regression models that I built to isolate the effects of time and time adjust prices to also identify and flag outliers. In each of the three models, approximately 6% of the transactions were identified as outliers.

## Disqualification Results

The tables and graphs that follow show breakdowns on disqualified transactions by Development Class; Communities; Census Block Groups; Price Class; Property Types; Size Class; Condition of Improvements; Quality of Construction; Time Period of Construction; Disadvantaged Communities; and Race and Income Class. Some analysts point to variance in disqualification rates by race or income as evidence of bias. This study shows that there is variance in disqualification rates no matter how the data is stratified and that disqualification rates are not a reliable indicator of bias.

Column ‘0’ are the qualified sales. Column ‘1’ are the sales that were disqualified because attributes of the property at the time of valuation were different than the attributes that were present at the time of sale. Column ‘2’ are the sales that were disqualified as outliers.

### Disqualification by Development Class

|          |                   |                   | Disqualify |       |      | Total  |
|----------|-------------------|-------------------|------------|-------|------|--------|
|          |                   |                   | 0          | 1     | 2    |        |
| DevClass | Rural             | Count             | 677        | 505   | 88   | 1270   |
|          |                   | % within DevClass | 53.3%      | 39.8% | 6.9% | 100.0% |
|          | Suburban          | Count             | 6628       | 5409  | 759  | 12796  |
|          |                   | % within DevClass | 51.8%      | 42.3% | 5.9% | 100.0% |
|          | Urban             | Count             | 1068       | 615   | 99   | 1782   |
|          |                   | % within DevClass | 59.9%      | 34.5% | 5.6% | 100.0% |
| Total    | Count             |                   | 8373       | 6529  | 946  | 15848  |
|          | % within DevClass |                   | 52.8%      | 41.2% | 6.0% | 100.0% |

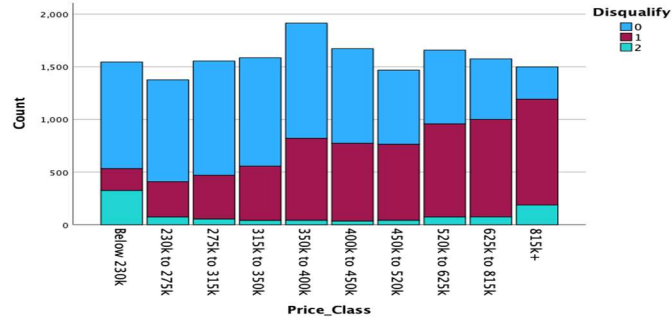
This table shows sales in Urban communities have the highest rates of transaction retention, indicating fewer properties are modified after the sale. Urban and Suburban communities tend to have more homogenous inventory, which accounts for a (slightly) lower percentage of outliers.

| Disqualification by Price Class |              |                      | 0     | 1     | 2     | Total  |
|---------------------------------|--------------|----------------------|-------|-------|-------|--------|
| Price Class                     | Below 230k   | Count                | 1012  | 208   | 325   | 1545   |
|                                 |              | % within Price Class | 65.5% | 13.5% | 21.0% | 100.0% |
|                                 | 230k to 275k | Count                | 967   | 336   | 73    | 1376   |
|                                 |              | % within Price Class | 70.3% | 24.4% | 5.3%  | 100.0% |
|                                 | 275k to 315k | Count                | 1086  | 415   | 54    | 1555   |
|                                 |              | % within Price Class | 69.8% | 26.7% | 3.5%  | 100.0% |
|                                 | 315k to 350k | Count                | 1029  | 516   | 41    | 1586   |
|                                 |              | % within Price Class | 64.9% | 32.5% | 2.6%  | 100.0% |
|                                 | 350k to 400k | Count                | 1093  | 779   | 42    | 1914   |
|                                 |              | % within Price Class | 57.1% | 40.7% | 2.2%  | 100.0% |
|                                 | 400k to 450k | Count                | 899   | 738   | 35    | 1672   |
|                                 |              | % within Price Class | 53.8% | 44.1% | 2.1%  | 100.0% |
|                                 | 450k to 520k | Count                | 705   | 721   | 42    | 1468   |
|                                 |              | % within Price Class | 48.0% | 49.1% | 2.9%  | 100.0% |
|                                 | 520k to 625k | Count                | 700   | 885   | 73    | 1658   |
|                                 |              | % within Price Class | 42.2% | 53.4% | 4.4%  | 100.0% |
|                                 | 625k to 815k | Count                | 575   | 926   | 74    | 1575   |
|                                 |              | % within Price Class | 36.5% | 58.8% | 4.7%  | 100.0% |
|                                 | 815k+        | Count                | 307   | 1005  | 187   | 1499   |
|                                 |              | % within Price Class | 20.5% | 67.0% | 12.5% | 100.0% |
| Total                           |              | Count                | 8373  | 6529  | 946   | 15848  |
|                                 |              | % within Price Class | 52.8% | 41.2% | 6.0%  | 100.0% |

Looking at disqualifications by price classes reveals a pattern. Notice how the attribute disqualification rate increases as price class increases, ranging from a low of 13.5% in the lowest price class to a high of 67% in the highest price class. This is because entry level buyers tend to buy as much house as they can afford. They may struggle to meet the monthly obligations of mortgage, insurance, utilities, maintenance and taxes. They typically do not have money left over after settling on the property to make costly alterations or improvements to the property, but will live in it as it is at the time of purchase. Buyers in the higher price ranges are more likely to have the capacity to modify the residence to suit their particular tastes and needs after purchase. In the highest price range, most owners will make significant alterations or improvements.

Also notice how much atypical market activity takes place in the lowest and highest price classes as evidenced by the high rates of outlier disqualification. This is partially due to the way that sales validation is practiced in the assessor's office, where most transactions are validated *prima facie* (on the face of the transfer document) using the 'arm's length' standard. Very few transactions are invalidated as atypical market activity.

# BUNCOMBE COUNTY SALES DISQUALIFICATION STUDY – JUNE 2024



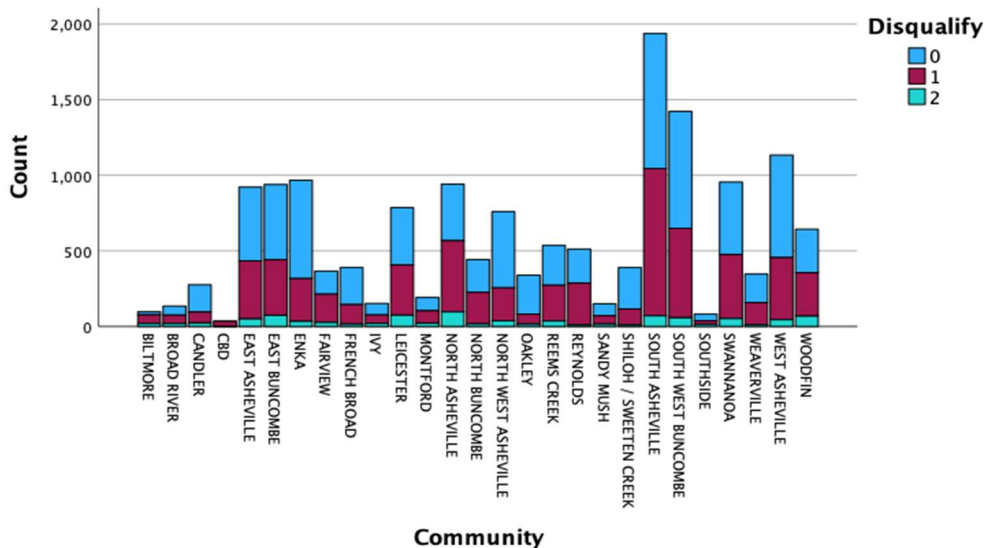
This stacked bar chart visually represents the same information.

## Disqualifications by Communities

|           |                      |                    | Disqualify |       |       | Total  |
|-----------|----------------------|--------------------|------------|-------|-------|--------|
|           |                      |                    | 0          | 1     | 2     |        |
| Community | BILTMORE             | Count              | 21         | 58    | 19    | 98     |
|           |                      | % within Community | 21.4%      | 59.2% | 19.4% | 100.0% |
|           | BROAD RIVER          | Count              | 60         | 56    | 19    | 135    |
|           |                      | % within Community | 44.4%      | 41.5% | 14.1% | 100.0% |
|           | CANDLER              | Count              | 180        | 72    | 24    | 276    |
|           |                      | % within Community | 65.2%      | 26.1% | 8.7%  | 100.0% |
|           | CBD                  | Count              | 1          | 34    | 0     | 35     |
|           |                      | % within Community | 2.9%       | 97.1% | 0.0%  | 100.0% |
|           | EAST ASHEVILLE       | Count              | 488        | 384   | 50    | 922    |
|           |                      | % within Community | 52.9%      | 41.6% | 5.4%  | 100.0% |
|           | EAST BUNCOMBE        | Count              | 498        | 367   | 74    | 939    |
|           |                      | % within Community | 53.0%      | 39.1% | 7.9%  | 100.0% |
|           | ENKA                 | Count              | 650        | 283   | 34    | 967    |
|           |                      | % within Community | 67.2%      | 29.3% | 3.5%  | 100.0% |
|           | FAIRVIEW             | Count              | 152        | 187   | 27    | 366    |
|           |                      | % within Community | 41.5%      | 51.1% | 7.4%  | 100.0% |
|           | FRENCH BROAD         | Count              | 245        | 129   | 16    | 390    |
|           |                      | % within Community | 62.8%      | 33.1% | 4.1%  | 100.0% |
|           | IVY                  | Count              | 76         | 56    | 20    | 152    |
|           |                      | % within Community | 50.0%      | 36.8% | 13.2% | 100.0% |
|           | LEICESTER            | Count              | 379        | 332   | 75    | 786    |
|           |                      | % within Community | 48.2%      | 42.2% | 9.5%  | 100.0% |
|           | MONTFORD             | Count              | 88         | 81    | 23    | 192    |
|           |                      | % within Community | 45.8%      | 42.2% | 12.0% | 100.0% |
|           | NORTH ASHEVILLE      | Count              | 374        | 470   | 97    | 941    |
|           |                      | % within Community | 39.7%      | 49.9% | 10.3% | 100.0% |
|           | NORTH BUNCOMBE       | Count              | 217        | 209   | 17    | 443    |
|           |                      | % within Community | 49.0%      | 47.2% | 3.8%  | 100.0% |
|           | NORTH WEST ASHEVILLE | Count              | 503        | 218   | 38    | 759    |
|           |                      | % within Community | 66.3%      | 28.7% | 5.0%  | 100.0% |
|           | OAKLEY               | Count              | 257        | 66    | 16    | 339    |
|           |                      | % within Community | 75.8%      | 19.5% | 4.7%  | 100.0% |
|           | REEMS CREEK          | Count              | 263        | 237   | 36    | 536    |
|           |                      | % within Community | 49.1%      | 44.2% | 6.7%  | 100.0% |

|                        |                    |       |       |       |        |
|------------------------|--------------------|-------|-------|-------|--------|
| REYNOLDS               | Count              | 225   | 276   | 11    | 512    |
|                        | % within Community | 43.9% | 53.9% | 2.1%  | 100.0% |
| SANDY MUSH             | Count              | 79    | 55    | 16    | 150    |
|                        | % within Community | 52.7% | 36.7% | 10.7% | 100.0% |
| SHILOH / SWEETEN CREEK | Count              | 274   | 105   | 11    | 390    |
|                        | % within Community | 70.3% | 26.9% | 2.8%  | 100.0% |
| SOUTH ASHEVILLE        | Count              | 893   | 973   | 71    | 1937   |
|                        | % within Community | 46.1% | 50.2% | 3.7%  | 100.0% |
| SOUTH WEST BUNCOMBE    | Count              | 773   | 591   | 58    | 1422   |
|                        | % within Community | 54.4% | 41.6% | 4.1%  | 100.0% |
| SOUTHSIDE              | Count              | 44    | 24    | 15    | 83     |
|                        | % within Community | 53.0% | 28.9% | 18.1% | 100.0% |
| SWANNANOA              | Count              | 479   | 423   | 53    | 955    |
|                        | % within Community | 50.2% | 44.3% | 5.5%  | 100.0% |
| WEAVERVILLE            | Count              | 189   | 146   | 12    | 347    |
|                        | % within Community | 54.5% | 42.1% | 3.5%  | 100.0% |
| WEST ASHEVILLE         | Count              | 678   | 410   | 45    | 1133   |
|                        | % within Community | 59.8% | 36.2% | 4.0%  | 100.0% |
| WOODFIN                | Count              | 287   | 287   | 69    | 643    |
|                        | % within Community | 44.6% | 44.6% | 10.7% | 100.0% |
| Total                  | Count              | 8373  | 6529  | 946   | 15848  |
|                        | % within Community | 52.8% | 41.2% | 6.0%  | 100.0% |

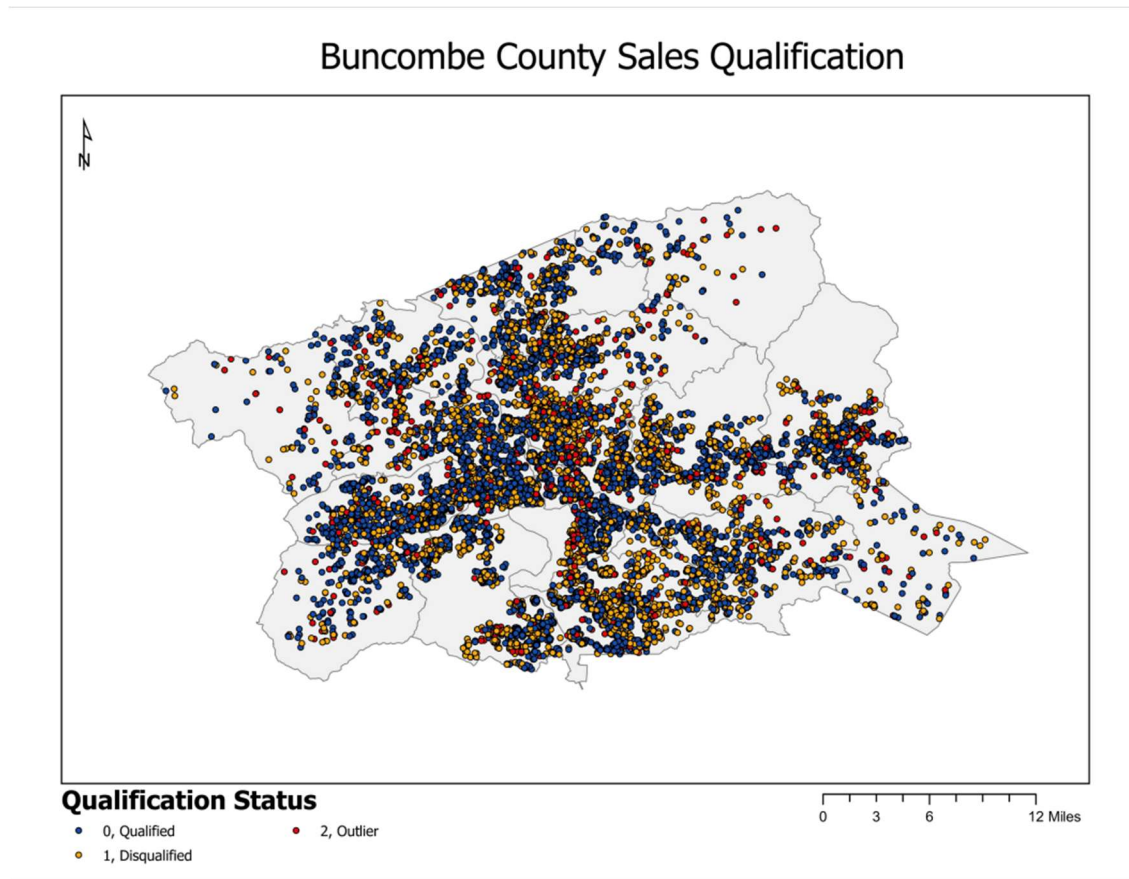
Disqualification rates were also examined by communities. Biltmore has the highest disqualification rates for both reasons. In Biltmore, over 79% of transactions were either disqualified or removed as outliers. The neighboring communities of Oakley and Shiloh/Sweeten Creek have the lowest disqualification rates, retaining over 70% of transactions.



Looking at location in a more granular way, there is variance in disqualification rates *within* many of the recognized communities. The last 5 characters of the Census Block Group are a component of the community definitions, so that '05001', '05002 and '05003' all lie within North Asheville. While North Asheville as a community has a fairly high



retention rate, '05001' and '05002' have very low retention rates. This further validates the importance of disqualifying transactions and outlier removal on a case-by-case basis instead of a more generalized method.



This map shows that qualified, disqualified and outlier sales are interspersed throughout most communities.

#### Disqualifications by Census Block Group

|             |              |                      | Disqualify |       |       | Total  |
|-------------|--------------|----------------------|------------|-------|-------|--------|
|             |              |                      | 0          | 1     | 2     |        |
| CBlockGroup | 370210001002 | Count                | 1          | 34    | 0     | 35     |
|             |              | % within CBlockGroup | 2.9%       | 97.1% | 0.0%  | 100.0% |
|             | 370210002001 | Count                | 17         | 19    | 3     | 39     |
|             |              | % within CBlockGroup | 43.6%      | 48.7% | 7.7%  | 100.0% |
|             | 370210002002 | Count                | 28         | 14    | 6     | 48     |
|             |              | % within CBlockGroup | 58.3%      | 29.2% | 12.5% | 100.0% |
|             | 370210003001 | Count                | 22         | 32    | 10    | 64     |
|             |              | % within CBlockGroup | 34.4%      | 50.0% | 15.6% | 100.0% |
|             | 370210003002 | Count                | 21         | 16    | 4     | 41     |
|             |              | % within CBlockGroup | 51.2%      | 39.0% | 9.8%  | 100.0% |
|             | 370210004001 | Count                | 35         | 29    | 5     | 69     |
|             |              | % within CBlockGroup | 50.7%      | 42.0% | 7.2%  | 100.0% |

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|              |                      |       |       |       |        |
|--------------|----------------------|-------|-------|-------|--------|
| 370210004002 | Count                | 10    | 6     | 13    | 29     |
|              | % within CBlockGroup | 34.5% | 20.7% | 44.8% | 100.0% |
| 370210004003 | Count                | 22    | 20    | 4     | 46     |
|              | % within CBlockGroup | 47.8% | 43.5% | 8.7%  | 100.0% |
| 370210005001 | Count                | 19    | 70    | 5     | 94     |
|              | % within CBlockGroup | 20.2% | 74.5% | 5.3%  | 100.0% |
| 370210005002 | Count                | 6     | 10    | 7     | 23     |
|              | % within CBlockGroup | 26.1% | 43.5% | 30.4% | 100.0% |
| 370210005003 | Count                | 47    | 55    | 8     | 110    |
|              | % within CBlockGroup | 42.7% | 50.0% | 7.3%  | 100.0% |
| 370210006001 | Count                | 25    | 24    | 9     | 58     |
|              | % within CBlockGroup | 43.1% | 41.4% | 15.5% | 100.0% |
| 370210006002 | Count                | 39    | 11    | 9     | 59     |
|              | % within CBlockGroup | 66.1% | 18.6% | 15.3% | 100.0% |
| 370210007001 | Count                | 36    | 12    | 10    | 58     |
|              | % within CBlockGroup | 62.1% | 20.7% | 17.2% | 100.0% |
| 370210008001 | Count                | 33    | 37    | 6     | 76     |
|              | % within CBlockGroup | 43.4% | 48.7% | 7.9%  | 100.0% |
| 370210008002 | Count                | 41    | 50    | 1     | 92     |
|              | % within CBlockGroup | 44.6% | 54.3% | 1.1%  | 100.0% |
| 370210008003 | Count                | 38    | 33    | 6     | 77     |
|              | % within CBlockGroup | 49.4% | 42.9% | 7.8%  | 100.0% |
| 370210009001 | Count                | 5     | 2     | 6     | 13     |
|              | % within CBlockGroup | 38.5% | 15.4% | 46.2% | 100.0% |
| 370210009002 | Count                | 13    | 11    | 7     | 31     |
|              | % within CBlockGroup | 41.9% | 35.5% | 22.6% | 100.0% |
| 370210009003 | Count                | 26    | 11    | 2     | 39     |
|              | % within CBlockGroup | 66.7% | 28.2% | 5.1%  | 100.0% |
| 370210010001 | Count                | 89    | 87    | 3     | 179    |
|              | % within CBlockGroup | 49.7% | 48.6% | 1.7%  | 100.0% |
| 370210010002 | Count                | 134   | 65    | 10    | 209    |
|              | % within CBlockGroup | 64.1% | 31.1% | 4.8%  | 100.0% |
| 370210011001 | Count                | 81    | 37    | 5     | 123    |
|              | % within CBlockGroup | 65.9% | 30.1% | 4.1%  | 100.0% |
| 370210011002 | Count                | 85    | 70    | 3     | 158    |
|              | % within CBlockGroup | 53.8% | 44.3% | 1.9%  | 100.0% |
| 370210011003 | Count                | 94    | 33    | 6     | 133    |
|              | % within CBlockGroup | 70.7% | 24.8% | 4.5%  | 100.0% |
| 370210012001 | Count                | 45    | 41    | 3     | 89     |
|              | % within CBlockGroup | 50.6% | 46.1% | 3.4%  | 100.0% |
| 370210012002 | Count                | 45    | 19    | 2     | 66     |
|              | % within CBlockGroup | 68.2% | 28.8% | 3.0%  | 100.0% |
| 370210012003 | Count                | 44    | 16    | 1     | 61     |
|              | % within CBlockGroup | 72.1% | 26.2% | 1.6%  | 100.0% |
| 370210012004 | Count                | 52    | 37    | 7     | 96     |
|              | % within CBlockGroup | 54.2% | 38.5% | 7.3%  | 100.0% |
| 370210012005 | Count                | 10    | 5     | 5     | 20     |
|              | % within CBlockGroup | 50.0% | 25.0% | 25.0% | 100.0% |
| 370210013001 | Count                | 69    | 59    | 3     | 131    |
|              | % within CBlockGroup | 52.7% | 45.0% | 2.3%  | 100.0% |
| 370210013002 | Count                | 55    | 30    | 3     | 88     |



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|  |              |                      |       |       |       |        |
|--|--------------|----------------------|-------|-------|-------|--------|
|  |              | % within CBlockGroup | 62.5% | 34.1% | 3.4%  | 100.0% |
|  | 370210013003 | Count                | 71    | 43    | 1     | 115    |
|  |              | % within CBlockGroup | 61.7% | 37.4% | 0.9%  | 100.0% |
|  | 370210014011 | Count                | 26    | 11    | 2     | 39     |
|  |              | % within CBlockGroup | 66.7% | 28.2% | 5.1%  | 100.0% |
|  | 370210014012 | Count                | 31    | 8     | 3     | 42     |
|  |              | % within CBlockGroup | 73.8% | 19.0% | 7.1%  | 100.0% |
|  | 370210014013 | Count                | 49    | 21    | 0     | 70     |
|  |              | % within CBlockGroup | 70.0% | 30.0% | 0.0%  | 100.0% |
|  | 370210014021 | Count                | 33    | 18    | 4     | 55     |
|  |              | % within CBlockGroup | 60.0% | 32.7% | 7.3%  | 100.0% |
|  | 370210014022 | Count                | 1     | 0     | 9     | 10     |
|  |              | % within CBlockGroup | 10.0% | 0.0%  | 90.0% | 100.0% |
|  | 370210015001 | Count                | 67    | 33    | 9     | 109    |
|  |              | % within CBlockGroup | 61.5% | 30.3% | 8.3%  | 100.0% |
|  | 370210015002 | Count                | 20    | 13    | 10    | 43     |
|  |              | % within CBlockGroup | 46.5% | 30.2% | 23.3% | 100.0% |
|  | 370210016011 | Count                | 33    | 52    | 5     | 90     |
|  |              | % within CBlockGroup | 36.7% | 57.8% | 5.6%  | 100.0% |
|  | 370210016012 | Count                | 54    | 70    | 7     | 131    |
|  |              | % within CBlockGroup | 41.2% | 53.4% | 5.3%  | 100.0% |
|  | 370210016021 | Count                | 26    | 83    | 21    | 130    |
|  |              | % within CBlockGroup | 20.0% | 63.8% | 16.2% | 100.0% |
|  | 370210016022 | Count                | 23    | 30    | 9     | 62     |
|  |              | % within CBlockGroup | 37.1% | 48.4% | 14.5% | 100.0% |
|  | 370210017001 | Count                | 32    | 42    | 11    | 85     |
|  |              | % within CBlockGroup | 37.6% | 49.4% | 12.9% | 100.0% |
|  | 370210017002 | Count                | 47    | 58    | 11    | 116    |
|  |              | % within CBlockGroup | 40.5% | 50.0% | 9.5%  | 100.0% |
|  | 370210018011 | Count                | 16    | 31    | 6     | 53     |
|  |              | % within CBlockGroup | 30.2% | 58.5% | 11.3% | 100.0% |
|  | 370210018012 | Count                | 99    | 60    | 2     | 161    |
|  |              | % within CBlockGroup | 61.5% | 37.3% | 1.2%  | 100.0% |
|  | 370210018021 | Count                | 31    | 28    | 2     | 61     |
|  |              | % within CBlockGroup | 50.8% | 45.9% | 3.3%  | 100.0% |
|  | 370210018022 | Count                | 88    | 73    | 3     | 164    |
|  |              | % within CBlockGroup | 53.7% | 44.5% | 1.8%  | 100.0% |
|  | 370210019001 | Count                | 75    | 43    | 9     | 127    |
|  |              | % within CBlockGroup | 59.1% | 33.9% | 7.1%  | 100.0% |
|  | 370210019002 | Count                | 33    | 21    | 7     | 61     |
|  |              | % within CBlockGroup | 54.1% | 34.4% | 11.5% | 100.0% |
|  | 370210020001 | Count                | 129   | 31    | 7     | 167    |
|  |              | % within CBlockGroup | 77.2% | 18.6% | 4.2%  | 100.0% |
|  | 370210020002 | Count                | 110   | 31    | 4     | 145    |
|  |              | % within CBlockGroup | 75.9% | 21.4% | 2.8%  | 100.0% |
|  | 370210020003 | Count                | 20    | 6     | 5     | 31     |
|  |              | % within CBlockGroup | 64.5% | 19.4% | 16.1% | 100.0% |
|  | 370210020004 | Count                | 78    | 11    | 5     | 94     |
|  |              | % within CBlockGroup | 83.0% | 11.7% | 5.3%  | 100.0% |
|  | 370210021011 | Count                | 21    | 58    | 19    | 98     |
|  |              | % within CBlockGroup | 21.4% | 59.2% | 19.4% | 100.0% |

# BUNCOMBE COUNTY SALES DISQUALIFICATION STUDY – JUNE 2024

|              |                      |       |       |       |        |
|--------------|----------------------|-------|-------|-------|--------|
| 370210021021 | Count                | 122   | 60    | 2     | 184    |
|              | % within CBlockGroup | 66.3% | 32.6% | 1.1%  | 100.0% |
| 370210021022 | Count                | 28    | 15    | 2     | 45     |
|              | % within CBlockGroup | 62.2% | 33.3% | 4.4%  | 100.0% |
| 370210021023 | Count                | 44    | 17    | 2     | 63     |
|              | % within CBlockGroup | 69.8% | 27.0% | 3.2%  | 100.0% |
| 370210022031 | Count                | 6     | 1     | 3     | 10     |
|              | % within CBlockGroup | 60.0% | 10.0% | 30.0% | 100.0% |
| 370210022032 | Count                | 114   | 85    | 2     | 201    |
|              | % within CBlockGroup | 56.7% | 42.3% | 1.0%  | 100.0% |
| 370210022033 | Count                | 42    | 19    | 3     | 64     |
|              | % within CBlockGroup | 65.6% | 29.7% | 4.7%  | 100.0% |
| 370210022041 | Count                | 89    | 131   | 12    | 232    |
|              | % within CBlockGroup | 38.4% | 56.5% | 5.2%  | 100.0% |
| 370210022042 | Count                | 23    | 24    | 1     | 48     |
|              | % within CBlockGroup | 47.9% | 50.0% | 2.1%  | 100.0% |
| 370210022043 | Count                | 43    | 10    | 1     | 54     |
|              | % within CBlockGroup | 79.6% | 18.5% | 1.9%  | 100.0% |
| 370210022044 | Count                | 11    | 53    | 2     | 66     |
|              | % within CBlockGroup | 16.7% | 80.3% | 3.0%  | 100.0% |
| 370210022051 | Count                | 234   | 125   | 8     | 367    |
|              | % within CBlockGroup | 63.8% | 34.1% | 2.2%  | 100.0% |
| 370210022052 | Count                | 53    | 116   | 0     | 169    |
|              | % within CBlockGroup | 31.4% | 68.6% | 0.0%  | 100.0% |
| 370210022053 | Count                | 63    | 26    | 2     | 91     |
|              | % within CBlockGroup | 69.2% | 28.6% | 2.2%  | 100.0% |
| 370210022061 | Count                | 60    | 99    | 9     | 168    |
|              | % within CBlockGroup | 35.7% | 58.9% | 5.4%  | 100.0% |
| 370210022062 | Count                | 46    | 71    | 2     | 119    |
|              | % within CBlockGroup | 38.7% | 59.7% | 1.7%  | 100.0% |
| 370210023031 | Count                | 48    | 76    | 13    | 137    |
|              | % within CBlockGroup | 35.0% | 55.5% | 9.5%  | 100.0% |
| 370210023032 | Count                | 90    | 21    | 1     | 112    |
|              | % within CBlockGroup | 80.4% | 18.8% | 0.9%  | 100.0% |
| 370210023033 | Count                | 50    | 14    | 0     | 64     |
|              | % within CBlockGroup | 78.1% | 21.9% | 0.0%  | 100.0% |
| 370210023034 | Count                | 98    | 96    | 4     | 198    |
|              | % within CBlockGroup | 49.5% | 48.5% | 2.0%  | 100.0% |
| 370210023041 | Count                | 107   | 101   | 25    | 233    |
|              | % within CBlockGroup | 45.9% | 43.3% | 10.7% | 100.0% |
| 370210023051 | Count                | 83    | 112   | 4     | 199    |
|              | % within CBlockGroup | 41.7% | 56.3% | 2.0%  | 100.0% |
| 370210023052 | Count                | 81    | 91    | 8     | 180    |
|              | % within CBlockGroup | 45.0% | 50.6% | 4.4%  | 100.0% |
| 370210023061 | Count                | 189   | 62    | 1     | 252    |
|              | % within CBlockGroup | 75.0% | 24.6% | 0.4%  | 100.0% |
| 370210023062 | Count                | 11    | 10    | 1     | 22     |
|              | % within CBlockGroup | 50.0% | 45.5% | 4.5%  | 100.0% |
| 370210024011 | Count                | 24    | 11    | 1     | 36     |
|              | % within CBlockGroup | 66.7% | 30.6% | 2.8%  | 100.0% |
| 370210024012 | Count                | 51    | 27    | 11    | 89     |

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|  |              |                      |       |       |       |        |
|--|--------------|----------------------|-------|-------|-------|--------|
|  |              | % within CBlockGroup | 57.3% | 30.3% | 12.4% | 100.0% |
|  | 370210024021 | Count                | 50    | 19    | 1     | 70     |
|  |              | % within CBlockGroup | 71.4% | 27.1% | 1.4%  | 100.0% |
|  | 370210024022 | Count                | 52    | 14    | 4     | 70     |
|  |              | % within CBlockGroup | 74.3% | 20.0% | 5.7%  | 100.0% |
|  | 370210024023 | Count                | 27    | 12    | 9     | 48     |
|  |              | % within CBlockGroup | 56.3% | 25.0% | 18.8% | 100.0% |
|  | 370210025031 | Count                | 63    | 36    | 3     | 102    |
|  |              | % within CBlockGroup | 61.8% | 35.3% | 2.9%  | 100.0% |
|  | 370210025032 | Count                | 49    | 13    | 2     | 64     |
|  |              | % within CBlockGroup | 76.6% | 20.3% | 3.1%  | 100.0% |
|  | 370210025033 | Count                | 32    | 9     | 2     | 43     |
|  |              | % within CBlockGroup | 74.4% | 20.9% | 4.7%  | 100.0% |
|  | 370210025041 | Count                | 104   | 38    | 11    | 153    |
|  |              | % within CBlockGroup | 68.0% | 24.8% | 7.2%  | 100.0% |
|  | 370210025042 | Count                | 29    | 30    | 2     | 61     |
|  |              | % within CBlockGroup | 47.5% | 49.2% | 3.3%  | 100.0% |
|  | 370210025043 | Count                | 59    | 25    | 6     | 90     |
|  |              | % within CBlockGroup | 65.6% | 27.8% | 6.7%  | 100.0% |
|  | 370210025051 | Count                | 151   | 68    | 3     | 222    |
|  |              | % within CBlockGroup | 68.0% | 30.6% | 1.4%  | 100.0% |
|  | 370210025052 | Count                | 37    | 15    | 1     | 53     |
|  |              | % within CBlockGroup | 69.8% | 28.3% | 1.9%  | 100.0% |
|  | 370210025053 | Count                | 100   | 42    | 1     | 143    |
|  |              | % within CBlockGroup | 69.9% | 29.4% | 0.7%  | 100.0% |
|  | 370210025061 | Count                | 126   | 13    | 2     | 141    |
|  |              | % within CBlockGroup | 89.4% | 9.2%  | 1.4%  | 100.0% |
|  | 370210025062 | Count                | 36    | 11    | 6     | 53     |
|  |              | % within CBlockGroup | 67.9% | 20.8% | 11.3% | 100.0% |
|  | 370210025063 | Count                | 13    | 0     | 2     | 15     |
|  |              | % within CBlockGroup | 86.7% | 0.0%  | 13.3% | 100.0% |
|  | 370210026031 | Count                | 49    | 42    | 11    | 102    |
|  |              | % within CBlockGroup | 48.0% | 41.2% | 10.8% | 100.0% |
|  | 370210026032 | Count                | 23    | 9     | 6     | 38     |
|  |              | % within CBlockGroup | 60.5% | 23.7% | 15.8% | 100.0% |
|  | 370210026041 | Count                | 47    | 19    | 5     | 71     |
|  |              | % within CBlockGroup | 66.2% | 26.8% | 7.0%  | 100.0% |
|  | 370210026042 | Count                | 76    | 25    | 3     | 104    |
|  |              | % within CBlockGroup | 73.1% | 24.0% | 2.9%  | 100.0% |
|  | 370210026043 | Count                | 45    | 42    | 6     | 93     |
|  |              | % within CBlockGroup | 48.4% | 45.2% | 6.5%  | 100.0% |
|  | 370210026044 | Count                | 103   | 65    | 8     | 176    |
|  |              | % within CBlockGroup | 58.5% | 36.9% | 4.5%  | 100.0% |
|  | 370210026061 | Count                | 22    | 24    | 4     | 50     |
|  |              | % within CBlockGroup | 44.0% | 48.0% | 8.0%  | 100.0% |
|  | 370210026062 | Count                | 26    | 19    | 9     | 54     |
|  |              | % within CBlockGroup | 48.1% | 35.2% | 16.7% | 100.0% |
|  | 370210026063 | Count                | 31    | 40    | 3     | 74     |
|  |              | % within CBlockGroup | 41.9% | 54.1% | 4.1%  | 100.0% |
|  | 370210026071 | Count                | 57    | 37    | 10    | 104    |
|  |              | % within CBlockGroup | 54.8% | 35.6% | 9.6%  | 100.0% |

# BUNCOMBE COUNTY SALES DISQUALIFICATION STUDY – JUNE 2024

|  |              |                      |       |       |       |        |
|--|--------------|----------------------|-------|-------|-------|--------|
|  | 370210026072 | Count                | 60    | 45    | 4     | 109    |
|  |              | % within CBlockGroup | 55.0% | 41.3% | 3.7%  | 100.0% |
|  | 370210026073 | Count                | 45    | 21    | 1     | 67     |
|  |              | % within CBlockGroup | 67.2% | 31.3% | 1.5%  | 100.0% |
|  | 370210026081 | Count                | 6     | 2     | 14    | 22     |
|  |              | % within CBlockGroup | 27.3% | 9.1%  | 63.6% | 100.0% |
|  | 370210026082 | Count                | 6     | 11    | 7     | 24     |
|  |              | % within CBlockGroup | 25.0% | 45.8% | 29.2% | 100.0% |
|  | 370210026083 | Count                | 22    | 14    | 0     | 36     |
|  |              | % within CBlockGroup | 61.1% | 38.9% | 0.0%  | 100.0% |
|  | 370210026084 | Count                | 37    | 55    | 3     | 95     |
|  |              | % within CBlockGroup | 38.9% | 57.9% | 3.2%  | 100.0% |
|  | 370210026085 | Count                | 32    | 28    | 11    | 71     |
|  |              | % within CBlockGroup | 45.1% | 39.4% | 15.5% | 100.0% |
|  | 370210026091 | Count                | 26    | 26    | 6     | 58     |
|  |              | % within CBlockGroup | 44.8% | 44.8% | 10.3% | 100.0% |
|  | 370210027011 | Count                | 73    | 66    | 4     | 143    |
|  |              | % within CBlockGroup | 51.0% | 46.2% | 2.8%  | 100.0% |
|  | 370210027012 | Count                | 59    | 67    | 2     | 128    |
|  |              | % within CBlockGroup | 46.1% | 52.3% | 1.6%  | 100.0% |
|  | 370210027013 | Count                | 2     | 2     | 7     | 11     |
|  |              | % within CBlockGroup | 18.2% | 18.2% | 63.6% | 100.0% |
|  | 370210027021 | Count                | 48    | 61    | 2     | 111    |
|  |              | % within CBlockGroup | 43.2% | 55.0% | 1.8%  | 100.0% |
|  | 370210027022 | Count                | 34    | 22    | 8     | 64     |
|  |              | % within CBlockGroup | 53.1% | 34.4% | 12.5% | 100.0% |
|  | 370210027023 | Count                | 120   | 72    | 5     | 197    |
|  |              | % within CBlockGroup | 60.9% | 36.5% | 2.5%  | 100.0% |
|  | 370210027041 | Count                | 50    | 49    | 0     | 99     |
|  |              | % within CBlockGroup | 50.5% | 49.5% | 0.0%  | 100.0% |
|  | 370210027042 | Count                | 78    | 87    | 5     | 170    |
|  |              | % within CBlockGroup | 45.9% | 51.2% | 2.9%  | 100.0% |
|  | 370210027043 | Count                | 19    | 23    | 4     | 46     |
|  |              | % within CBlockGroup | 41.3% | 50.0% | 8.7%  | 100.0% |
|  | 370210027044 | Count                | 85    | 40    | 9     | 134    |
|  |              | % within CBlockGroup | 63.4% | 29.9% | 6.7%  | 100.0% |
|  | 370210027051 | Count                | 32    | 34    | 12    | 78     |
|  |              | % within CBlockGroup | 41.0% | 43.6% | 15.4% | 100.0% |
|  | 370210028031 | Count                | 41    | 30    | 3     | 74     |
|  |              | % within CBlockGroup | 55.4% | 40.5% | 4.1%  | 100.0% |
|  | 370210028032 | Count                | 13    | 22    | 4     | 39     |
|  |              | % within CBlockGroup | 33.3% | 56.4% | 10.3% | 100.0% |
|  | 370210028033 | Count                | 67    | 30    | 9     | 106    |
|  |              | % within CBlockGroup | 63.2% | 28.3% | 8.5%  | 100.0% |
|  | 370210028041 | Count                | 15    | 27    | 3     | 45     |
|  |              | % within CBlockGroup | 33.3% | 60.0% | 6.7%  | 100.0% |
|  | 370210028042 | Count                | 43    | 51    | 4     | 98     |
|  |              | % within CBlockGroup | 43.9% | 52.0% | 4.1%  | 100.0% |
|  | 370210028043 | Count                | 58    | 64    | 7     | 129    |
|  |              | % within CBlockGroup | 45.0% | 49.6% | 5.4%  | 100.0% |
|  | 370210029001 | Count                | 38    | 30    | 7     | 75     |

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|  |              |                      |       |       |       |        |
|--|--------------|----------------------|-------|-------|-------|--------|
|  |              | % within CBlockGroup | 50.7% | 40.0% | 9.3%  | 100.0% |
|  | 370210029002 | Count                | 13    | 2     | 3     | 18     |
|  |              | % within CBlockGroup | 72.2% | 11.1% | 16.7% | 100.0% |
|  | 370210029003 | Count                | 11    | 16    | 9     | 36     |
|  |              | % within CBlockGroup | 30.6% | 44.4% | 25.0% | 100.0% |
|  | 370210030021 | Count                | 51    | 18    | 1     | 70     |
|  |              | % within CBlockGroup | 72.9% | 25.7% | 1.4%  | 100.0% |
|  | 370210030022 | Count                | 27    | 5     | 11    | 43     |
|  |              | % within CBlockGroup | 62.8% | 11.6% | 25.6% | 100.0% |
|  | 370210030023 | Count                | 20    | 33    | 4     | 57     |
|  |              | % within CBlockGroup | 35.1% | 57.9% | 7.0%  | 100.0% |
|  | 370210030024 | Count                | 150   | 128   | 10    | 288    |
|  |              | % within CBlockGroup | 52.1% | 44.4% | 3.5%  | 100.0% |
|  | 370210030031 | Count                | 63    | 36    | 9     | 108    |
|  |              | % within CBlockGroup | 58.3% | 33.3% | 8.3%  | 100.0% |
|  | 370210030032 | Count                | 59    | 102   | 7     | 168    |
|  |              | % within CBlockGroup | 35.1% | 60.7% | 4.2%  | 100.0% |
|  | 370210030033 | Count                | 44    | 31    | 1     | 76     |
|  |              | % within CBlockGroup | 57.9% | 40.8% | 1.3%  | 100.0% |
|  | 370210030041 | Count                | 23    | 15    | 0     | 38     |
|  |              | % within CBlockGroup | 60.5% | 39.5% | 0.0%  | 100.0% |
|  | 370210030042 | Count                | 42    | 53    | 10    | 105    |
|  |              | % within CBlockGroup | 40.0% | 50.5% | 9.5%  | 100.0% |
|  | 370210031031 | Count                | 103   | 59    | 21    | 183    |
|  |              | % within CBlockGroup | 56.3% | 32.2% | 11.5% | 100.0% |
|  | 370210031051 | Count                | 36    | 31    | 9     | 76     |
|  |              | % within CBlockGroup | 47.4% | 40.8% | 11.8% | 100.0% |
|  | 370210031052 | Count                | 55    | 14    | 8     | 77     |
|  |              | % within CBlockGroup | 71.4% | 18.2% | 10.4% | 100.0% |
|  | 370210031053 | Count                | 57    | 71    | 8     | 136    |
|  |              | % within CBlockGroup | 41.9% | 52.2% | 5.9%  | 100.0% |
|  | 370210031061 | Count                | 47    | 48    | 8     | 103    |
|  |              | % within CBlockGroup | 45.6% | 46.6% | 7.8%  | 100.0% |
|  | 370210031071 | Count                | 56    | 63    | 5     | 124    |
|  |              | % within CBlockGroup | 45.2% | 50.8% | 4.0%  | 100.0% |
|  | 370210031072 | Count                | 15    | 2     | 2     | 19     |
|  |              | % within CBlockGroup | 78.9% | 10.5% | 10.5% | 100.0% |
|  | 370210031073 | Count                | 39    | 15    | 7     | 61     |
|  |              | % within CBlockGroup | 63.9% | 24.6% | 11.5% | 100.0% |
|  | 370210031074 | Count                | 47    | 36    | 0     | 83     |
|  |              | % within CBlockGroup | 56.6% | 43.4% | 0.0%  | 100.0% |
|  | 370210031081 | Count                | 43    | 33    | 6     | 82     |
|  |              | % within CBlockGroup | 52.4% | 40.2% | 7.3%  | 100.0% |
|  | 370210032011 | Count                | 52    | 86    | 3     | 141    |
|  |              | % within CBlockGroup | 36.9% | 61.0% | 2.1%  | 100.0% |
|  | 370210032021 | Count                | 29    | 96    | 15    | 140    |
|  |              | % within CBlockGroup | 20.7% | 68.6% | 10.7% | 100.0% |
|  | 370210032022 | Count                | 23    | 24    | 3     | 50     |
|  |              | % within CBlockGroup | 46.0% | 48.0% | 6.0%  | 100.0% |
|  | 370210032023 | Count                | 36    | 59    | 8     | 103    |
|  |              | % within CBlockGroup | 35.0% | 57.3% | 7.8%  | 100.0% |

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|              |                      |       |       |       |        |
|--------------|----------------------|-------|-------|-------|--------|
| 370210032024 | Count                | 17    | 25    | 1     | 43     |
|              | % within CBlockGroup | 39.5% | 58.1% | 2.3%  | 100.0% |
| 370210032031 | Count                | 32    | 38    | 2     | 72     |
|              | % within CBlockGroup | 44.4% | 52.8% | 2.8%  | 100.0% |
| 370210032032 | Count                | 18    | 30    | 0     | 48     |
|              | % within CBlockGroup | 37.5% | 62.5% | 0.0%  | 100.0% |
| 370210032033 | Count                | 129   | 117   | 5     | 251    |
|              | % within CBlockGroup | 51.4% | 46.6% | 2.0%  | 100.0% |
| 370210032041 | Count                | 51    | 71    | 14    | 136    |
|              | % within CBlockGroup | 37.5% | 52.2% | 10.3% | 100.0% |
| 370210032042 | Count                | 44    | 49    | 9     | 102    |
|              | % within CBlockGroup | 43.1% | 48.0% | 8.8%  | 100.0% |
| 370210032043 | Count                | 55    | 84    | 6     | 145    |
|              | % within CBlockGroup | 37.9% | 57.9% | 4.1%  | 100.0% |
| 370210032051 | Count                | 60    | 50    | 17    | 127    |
|              | % within CBlockGroup | 47.2% | 39.4% | 13.4% | 100.0% |
| Total        | Count                | 8373  | 6529  | 946   | 15848  |
|              | % within CBlockGroup | 52.8% | 41.2% | 6.0%  | 100.0% |

## Disqualifications by Property Type

|               |    |                        | Disqualify |       |       |        |
|---------------|----|------------------------|------------|-------|-------|--------|
|               |    |                        | 0          | 1     | 2     | Total  |
| SPropertyType | 2S | Count                  | 1570       | 1267  | 121   | 2958   |
|               |    | % within SPropertyType | 53.1%      | 42.8% | 4.1%  | 100.0% |
|               | 3S | Count                  | 20         | 29    | 4     | 53     |
|               |    | % within SPropertyType | 37.7%      | 54.7% | 7.5%  | 100.0% |
|               | Cc | Count                  | 792        | 742   | 74    | 1608   |
|               |    | % within SPropertyType | 49.3%      | 46.1% | 4.6%  | 100.0% |
|               | Co | Count                  | 183        | 443   | 49    | 675    |
|               |    | % within SPropertyType | 27.1%      | 65.6% | 7.3%  | 100.0% |
|               | Ls | Count                  | 62         | 71    | 15    | 148    |
|               |    | % within SPropertyType | 41.9%      | 48.0% | 10.1% | 100.0% |
|               | Mh | Count                  | 595        | 75    | 185   | 855    |
|               |    | % within SPropertyType | 69.6%      | 8.8%  | 21.6% | 100.0% |
|               | Mo | Count                  | 405        | 205   | 25    | 635    |
|               |    | % within SPropertyType | 63.8%      | 32.3% | 3.9%  | 100.0% |
|               | Ra | Count                  | 3892       | 3045  | 384   | 7321   |
|               |    | % within SPropertyType | 53.2%      | 41.6% | 5.2%  | 100.0% |
|               | Sp | Count                  | 26         | 308   | 13    | 347    |
|               |    | % within SPropertyType | 7.5%       | 88.8% | 3.7%  | 100.0% |
|               | To | Count                  | 822        | 326   | 27    | 1175   |



|       |    |                        |       |       |       |        |
|-------|----|------------------------|-------|-------|-------|--------|
|       | Un | % within SPropertyType | 70.0% | 27.7% | 2.3%  | 100.0% |
|       |    | Count                  | 6     | 18    | 49    | 73     |
|       |    | % within SPropertyType | 8.2%  | 24.7% | 67.1% | 100.0% |
| Total |    | Count                  | 8373  | 6529  | 946   | 15848  |
|       |    | % within SPropertyType | 52.8% | 41.2% | 6.0%  | 100.0% |

Townhouses, Modular and Manufactured Housing have the lowest rates of disqualification. Split levels and Unconventional types have the lowest overall retention rates. A very large percentage of Unconventional types are identified as outliers.

#### Disqualifications by Size Categories

|       |          |                | Disqualify |       |       | Total  |
|-------|----------|----------------|------------|-------|-------|--------|
|       |          |                | 0          | 1     | 2     |        |
| SSize | Smallest | Count          | 626        | 123   | 160   | 909    |
|       |          | % within SSize | 68.9%      | 13.5% | 17.6% | 100.0% |
|       | Small    | Count          | 1713       | 361   | 186   | 2260   |
|       |          | % within SSize | 75.8%      | 16.0% | 8.2%  | 100.0% |
|       | Average  | Count          | 3217       | 1231  | 203   | 4651   |
|       |          | % within SSize | 69.2%      | 26.5% | 4.4%  | 100.0% |
|       | Large    | Count          | 2256       | 2441  | 192   | 4889   |
|       |          | % within SSize | 46.1%      | 49.9% | 3.9%  | 100.0% |
|       | Largest  | Count          | 561        | 2373  | 205   | 3139   |
|       |          | % within SSize | 17.9%      | 75.6% | 6.5%  | 100.0% |
|       | Total    | Count          | 8373       | 6529  | 946   | 15848  |
|       |          | % within SSize | 52.8%      | 41.2% | 6.0%  | 100.0% |

#### Disqualifications by Physical Condition

|                    |                             |                             | Disqualify |       |       | Total  |
|--------------------|-----------------------------|-----------------------------|------------|-------|-------|--------|
|                    |                             |                             | 0          | 1     | 2     |        |
| SPhysicalCondition | FAIR                        | Count                       | 51         | 42    | 49    | 142    |
|                    |                             | % within SPhysicalCondition | 35.9%      | 29.6% | 34.5% | 100.0% |
|                    | GOOD                        | Count                       | 1584       | 1386  | 146   | 3116   |
|                    |                             | % within SPhysicalCondition | 50.8%      | 44.5% | 4.7%  | 100.0% |
|                    | NORMAL                      | Count                       | 5680       | 4254  | 599   | 10533  |
|                    |                             | % within SPhysicalCondition | 53.9%      | 40.4% | 5.7%  | 100.0% |
|                    | POOR                        | Count                       | 6          | 6     | 32    | 44     |
|                    |                             | % within SPhysicalCondition | 13.6%      | 13.6% | 72.7% | 100.0% |
|                    | RENOVATED                   | Count                       | 1051       | 840   | 112   | 2003   |
|                    |                             | % within SPhysicalCondition | 52.5%      | 41.9% | 5.6%  | 100.0% |
|                    | UNSOUND                     | Count                       | 1          | 1     | 8     | 10     |
|                    |                             | % within SPhysicalCondition | 10.0%      | 10.0% | 80.0% | 100.0% |
| Total              | Count                       |                             | 8373       | 6529  | 946   | 15848  |
|                    | % within SPhysicalCondition |                             | 52.8%      | 41.2% | 6.0%  | 100.0% |

**Disqualifications by Construction Time Period**

|      |              |               | Disqualify |       |       | Total  |
|------|--------------|---------------|------------|-------|-------|--------|
|      |              |               | 0          | 1     | 2     |        |
| SEra | Pre 1945     | Count         | 1059       | 498   | 179   | 1736   |
|      |              | % within SEra | 61.0%      | 28.7% | 10.3% | 100.0% |
|      | 1946 to 1965 | Count         | 1161       | 766   | 134   | 2061   |
|      |              | % within SEra | 56.3%      | 37.2% | 6.5%  | 100.0% |
|      | 1966 to 1985 | Count         | 824        | 979   | 148   | 1951   |
|      |              | % within SEra | 42.2%      | 50.2% | 7.6%  | 100.0% |
|      | 1986 to 2005 | Count         | 1959       | 2441  | 270   | 4670   |
|      |              | % within SEra | 41.9%      | 52.3% | 5.8%  | 100.0% |
|      | Post 2005    | Count         | 3370       | 1845  | 215   | 5430   |
|      |              | % within SEra | 62.1%      | 34.0% | 4.0%  | 100.0% |
|      | Total        | Count         | 8373       | 6529  | 946   | 15848  |
|      |              | % within SEra | 52.8%      | 41.2% | 6.0%  | 100.0% |

**Disqualifications by Quality of Construction**

|          |       |                   | Disqualify |       |       | Total  |
|----------|-------|-------------------|------------|-------|-------|--------|
|          |       |                   | 0          | 1     | 2     |        |
| SQuality | AVG   | Count             | 5735       | 3514  | 533   | 9782   |
|          |       | % within SQuality | 58.6%      | 35.9% | 5.4%  | 100.0% |
|          | CUST  | Count             | 2389       | 2293  | 205   | 4887   |
|          |       | % within SQuality | 48.9%      | 46.9% | 4.2%  | 100.0% |
|          | EXCEP | Count             | 18         | 111   | 24    | 153    |
|          |       | % within SQuality | 11.8%      | 72.5% | 15.7% | 100.0% |
|          | FAIR  | Count             | 53         | 51    | 83    | 187    |
|          |       | % within SQuality | 28.3%      | 27.3% | 44.4% | 100.0% |
|          | LUXUR | Count             | 3          | 6     | 14    | 23     |
|          |       | % within SQuality | 13.0%      | 26.1% | 60.9% | 100.0% |
|          | POOR  | Count             | 1          | 1     | 4     | 6      |
|          |       | % within SQuality | 16.7%      | 16.7% | 66.7% | 100.0% |
|          | SUPR  | Count             | 174        | 553   | 82    | 809    |
|          |       | % within SQuality | 21.5%      | 68.4% | 10.1% | 100.0% |
|          | Total | Count             | 8373       | 6529  | 946   | 15848  |
|          |       | % within SQuality | 52.8%      | 41.2% | 6.0%  | 100.0% |

**Disqualifications by Income Class**

|             |                             |                      | Disqualify |       |      | Total  |
|-------------|-----------------------------|----------------------|------------|-------|------|--------|
|             |                             |                      | 0          | 1     | 2    |        |
| IncomeClass | Missing Income Data         | Count                | 33         | 18    | 4    | 55     |
|             |                             | % within IncomeClass | 60.0%      | 32.7% | 7.3% | 100.0% |
|             | CBlock Groups with 0 income | Count                | 358        | 203   | 45   | 606    |
|             |                             | % within IncomeClass | 59.1%      | 33.5% | 7.4% | 100.0% |
|             | LT \$47,000                 | Count                | 1199       | 721   | 149  | 2069   |
|             |                             | % within IncomeClass | 58.0%      | 34.8% | 7.2% | 100.0% |
|             | \$47,000 to \$61999         | Count                | 1356       | 942   | 160  | 2458   |
|             |                             |                      |            |       |      |        |

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|       |                      |                      |       |       |      |        |
|-------|----------------------|----------------------|-------|-------|------|--------|
|       | \$62,000 to \$71,999 | % within IncomeClass | 55.2% | 38.3% | 6.5% | 100.0% |
|       |                      | Count                | 2125  | 1494  | 189  | 3808   |
|       | \$72,000 to \$90,000 | % within IncomeClass | 55.8% | 39.2% | 5.0% | 100.0% |
|       |                      | Count                | 1565  | 1234  | 176  | 2975   |
|       | GT \$90,000          | % within IncomeClass | 52.6% | 41.5% | 5.9% | 100.0% |
|       |                      | Count                | 1737  | 1917  | 223  | 3877   |
|       |                      | % within IncomeClass | 44.8% | 49.4% | 5.8% | 100.0% |
|       |                      | Count                | 8373  | 6529  | 946  | 15848  |
| Total |                      | % within IncomeClass | 52.8% | 41.2% | 6.0% | 100.0% |

## Disqualifications by Race Class

|           |                         |                    | Disqualify |       |        |        |
|-----------|-------------------------|--------------------|------------|-------|--------|--------|
|           |                         |                    | 0          | 1     | 2      | Total  |
| RaceClass | Missing Race Data       | Count              | 33         | 18    | 4      | 55     |
|           |                         | % within RaceClass | 60.0%      | 32.7% | 7.3%   | 100.0% |
|           | LE 20% Non-White        | Count              | 6327       | 5125  | 720    | 12172  |
|           |                         | % within RaceClass | 52.0%      | 42.1% | 5.9%   | 100.0% |
|           | GT 20% to 40% Non-White | Count              | 1708       | 1218  | 177    | 3103   |
|           |                         | % within RaceClass | 55.0%      | 39.3% | 5.7%   | 100.0% |
|           | GT 40% to 70% Non-White | Count              | 292        | 168   | 43     | 503    |
|           |                         | % within RaceClass | 58.1%      | 33.4% | 8.5%   | 100.0% |
|           | GT 70% to 90% Non-White | Count              | 13         | 0     | 2      | 15     |
|           |                         | % within RaceClass | 86.7%      | 0.0%  | 13.3%  | 100.0% |
| Total     | Count                   | 8373               | 6529       | 946   | 15848  |        |
|           | % within RaceClass      | 52.8%              | 41.2%      | 6.0%  | 100.0% |        |

## Disqualifications by Race and Income Class

|                                                  |                          | Disqualify |       |      |        |
|--------------------------------------------------|--------------------------|------------|-------|------|--------|
|                                                  |                          | 0          | 1     | 2    | Total  |
| RaceIncomeClass                                  | Count                    | 33         | 18    | 4    | 55     |
|                                                  | % within RaceIncomeClass | 60.0%      | 32.7% | 7.3% | 100.0% |
| 10                                               | Count                    | 254        | 106   | 26   | 386    |
|                                                  | % within RaceIncomeClass | 65.8%      | 27.5% | 6.7% | 100.0% |
| LE 20% Non-White and LT \$47,000                 | Count                    | 684        | 420   | 97   | 1201   |
|                                                  | % within RaceIncomeClass | 57.0%      | 35.0% | 8.1% | 100.0% |
| LE 20% Non-White and \$47,000 to \$61,999        | Count                    | 1030       | 738   | 125  | 1893   |
|                                                  | % within RaceIncomeClass | 54.4%      | 39.0% | 6.6% | 100.0% |
| LE 20% Non-White and \$62,000 to \$71,999        | Count                    | 1754       | 1210  | 142  | 3106   |
|                                                  | % within RaceIncomeClass | 56.5%      | 39.0% | 4.6% | 100.0% |
| LE 20% Non-White and \$72,000 to \$90,000        | Count                    | 1344       | 1122  | 154  | 2620   |
|                                                  | % within RaceIncomeClass | 51.3%      | 42.8% | 5.9% | 100.0% |
| LE 20% Non-White and GT \$90,000                 | Count                    | 1261       | 1529  | 176  | 2966   |
|                                                  | % within RaceIncomeClass | 42.5%      | 51.6% | 5.9% | 100.0% |
| 20                                               | Count                    | 74         | 67    | 9    | 150    |
|                                                  | % within RaceIncomeClass | 49.3%      | 44.7% | 6.0% | 100.0% |
| GT 20% to 40% Non-White and LT \$47,000          | Count                    | 407        | 230   | 42   | 679    |
|                                                  | % within RaceIncomeClass | 59.9%      | 33.9% | 6.2% | 100.0% |
| GT 20% to 40% Non-White and \$47,000 to \$61,999 | Count                    | 270        | 185   | 21   | 476    |
|                                                  | % within RaceIncomeClass | 56.7%      | 38.9% | 4.4% | 100.0% |
|                                                  | Count                    | 260        | 236   | 36   | 532    |

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|                                                  |                          |       |       |       |        |
|--------------------------------------------------|--------------------------|-------|-------|-------|--------|
| GT 20% to 40% Non-White and \$62,000 to \$71,999 | % within RaceIncomeClass | 48.9% | 44.4% | 6.8%  | 100.0% |
| GT 20% to 40% Non-White and \$72,000 to \$90,000 | Count                    | 221   | 112   | 22    | 355    |
|                                                  | % within RaceIncomeClass | 62.3% | 31.5% | 6.2%  | 100.0% |
| GT 20% to 40% Non-White and GT \$90,000          | Count                    | 476   | 388   | 47    | 911    |
|                                                  | % within RaceIncomeClass | 52.3% | 42.6% | 5.2%  | 100.0% |
| 30                                               | Count                    | 30    | 30    | 10    | 70     |
|                                                  | % within RaceIncomeClass | 42.9% | 42.9% | 14.3% | 100.0% |
| GT 40% to 70% Non-White and LT \$47,000          | Count                    | 108   | 71    | 10    | 189    |
|                                                  | % within RaceIncomeClass | 57.1% | 37.6% | 5.3%  | 100.0% |
| GT 40% to 70% Non-White and \$47,000 to \$61,999 | Count                    | 43    | 19    | 12    | 74     |
|                                                  | % within RaceIncomeClass | 58.1% | 25.7% | 16.2% | 100.0% |
| GT 40% to 70% Non-White and \$62,000 to \$71,999 | Count                    | 111   | 48    | 11    | 170    |
|                                                  | % within RaceIncomeClass | 65.3% | 28.2% | 6.5%  | 100.0% |
| GT 70% to 90% Non-White and \$47,000 to \$61,999 | Count                    | 13    | 0     | 2     | 15     |
|                                                  | % within RaceIncomeClass | 86.7% | 0.0%  | 13.3% | 100.0% |
| Total                                            | Count                    | 8373  | 6529  | 946   | 15848  |
|                                                  | % within RaceIncomeClass | 52.8% | 41.2% | 6.0%  | 100.0% |

This table details the disqualification rates for the fourteen valid combinations of race class and income class in the county. The lowest rates of attribute disqualification are in the communities with higher percentages of non-white population and the lower income groups, regardless of race. Conversely the highest rates of outlier disqualification are in these same communities.

## Disqualifications by Disadvantaged Communities

|       |       |                | Disqualify |       |      |        |
|-------|-------|----------------|------------|-------|------|--------|
|       |       |                | 0          | 1     | 2    | Total  |
| DISAD | False | Count          | 8209       | 6439  | 922  | 15570  |
|       |       | % within DISAD | 52.7%      | 41.4% | 5.9% | 100.0% |
|       | True  | Count          | 164        | 90    | 24   | 278    |
|       |       | % within DISAD | 59.0%      | 32.4% | 8.6% | 100.0% |
| Total |       | Count          | 8373       | 6529  | 946  | 15848  |
|       |       | % within DISAD | 52.8%      | 41.2% | 6.0% | 100.0% |

This table shows that attribute disqualification rate is lower in the eight Census Block Groups with combined race and income classes 31, 32, 33 and 42 and that outlier disqualification rate is slightly higher in those groups as well.

## CBlockGroup \* RaceClass Crosstabulation

| Count       |              |   | RaceClass        |                         |                         |                         | Total |
|-------------|--------------|---|------------------|-------------------------|-------------------------|-------------------------|-------|
|             |              |   | LE 20% Non-White | GT 20% to 40% Non-White | GT 40% to 70% Non-White | GT 70% to 90% Non-White |       |
| CBlockGroup | 370210001002 | 0 | 0                | 0                       | 35                      | 0                       | 35    |
|             | 370210002001 | 0 | 0                | 0                       | 39                      | 0                       | 39    |
|             | 370210002002 | 0 | 48               | 0                       | 0                       | 0                       | 48    |
|             | 370210003001 | 0 | 0                | 64                      | 0                       | 0                       | 64    |
|             | 370210003002 | 0 | 41               | 0                       | 0                       | 0                       | 41    |
|             | 370210004001 | 0 | 69               | 0                       | 0                       | 0                       | 69    |

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|              |    |     |     |    |   |     |
|--------------|----|-----|-----|----|---|-----|
| 370210004002 | 0  | 29  | 0   | 0  | 0 | 29  |
| 370210004003 | 0  | 46  | 0   | 0  | 0 | 46  |
| 370210005001 | 0  | 94  | 0   | 0  | 0 | 94  |
| 370210005002 | 0  | 0   | 23  | 0  | 0 | 23  |
| 370210005003 | 0  | 110 | 0   | 0  | 0 | 110 |
| 370210006001 | 0  | 58  | 0   | 0  | 0 | 58  |
| 370210006002 | 0  | 59  | 0   | 0  | 0 | 59  |
| 370210007001 | 0  | 0   | 58  | 0  | 0 | 58  |
| 370210008001 | 0  | 0   | 0   | 76 | 0 | 76  |
| 370210008002 | 0  | 0   | 92  | 0  | 0 | 92  |
| 370210008003 | 0  | 77  | 0   | 0  | 0 | 77  |
| 370210009001 | 0  | 0   | 13  | 0  | 0 | 13  |
| 370210009002 | 0  | 0   | 0   | 31 | 0 | 31  |
| 370210009003 | 0  | 0   | 0   | 39 | 0 | 39  |
| 370210010001 | 0  | 179 | 0   | 0  | 0 | 179 |
| 370210010002 | 0  | 0   | 209 | 0  | 0 | 209 |
| 370210011001 | 0  | 0   | 123 | 0  | 0 | 123 |
| 370210011002 | 0  | 158 | 0   | 0  | 0 | 158 |
| 370210011003 | 0  | 133 | 0   | 0  | 0 | 133 |
| 370210012001 | 0  | 89  | 0   | 0  | 0 | 89  |
| 370210012002 | 0  | 66  | 0   | 0  | 0 | 66  |
| 370210012003 | 0  | 61  | 0   | 0  | 0 | 61  |
| 370210012004 | 0  | 96  | 0   | 0  | 0 | 96  |
| 370210012005 | 0  | 20  | 0   | 0  | 0 | 20  |
| 370210013001 | 0  | 0   | 131 | 0  | 0 | 131 |
| 370210013002 | 0  | 0   | 88  | 0  | 0 | 88  |
| 370210013003 | 0  | 115 | 0   | 0  | 0 | 115 |
| 370210014011 | 0  | 0   | 39  | 0  | 0 | 39  |
| 370210014012 | 0  | 0   | 0   | 42 | 0 | 42  |
| 370210014013 | 0  | 0   | 70  | 0  | 0 | 70  |
| 370210014021 | 55 | 0   | 0   | 0  | 0 | 55  |
| 370210014022 | 0  | 0   | 0   | 10 | 0 | 10  |
| 370210015001 | 0  | 109 | 0   | 0  | 0 | 109 |
| 370210015002 | 0  | 43  | 0   | 0  | 0 | 43  |
| 370210016011 | 0  | 90  | 0   | 0  | 0 | 90  |
| 370210016012 | 0  | 131 | 0   | 0  | 0 | 131 |
| 370210016021 | 0  | 130 | 0   | 0  | 0 | 130 |
| 370210016022 | 0  | 62  | 0   | 0  | 0 | 62  |
| 370210017001 | 0  | 85  | 0   | 0  | 0 | 85  |
| 370210017002 | 0  | 116 | 0   | 0  | 0 | 116 |
| 370210018011 | 0  | 53  | 0   | 0  | 0 | 53  |
| 370210018012 | 0  | 0   | 161 | 0  | 0 | 161 |
| 370210018021 | 0  | 61  | 0   | 0  | 0 | 61  |
| 370210018022 | 0  | 164 | 0   | 0  | 0 | 164 |
| 370210019001 | 0  | 127 | 0   | 0  | 0 | 127 |
| 370210019002 | 0  | 61  | 0   | 0  | 0 | 61  |
| 370210020001 | 0  | 0   | 167 | 0  | 0 | 167 |
| 370210020002 | 0  | 145 | 0   | 0  | 0 | 145 |
| 370210020003 | 0  | 0   | 31  | 0  | 0 | 31  |
| 370210020004 | 0  | 0   | 0   | 94 | 0 | 94  |
| 370210021011 | 0  | 98  | 0   | 0  | 0 | 98  |

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|              |   |     |     |    |    |     |
|--------------|---|-----|-----|----|----|-----|
| 370210021021 | 0 | 184 | 0   | 0  | 0  | 184 |
| 370210021022 | 0 | 0   | 45  | 0  | 0  | 45  |
| 370210021023 | 0 | 0   | 0   | 63 | 0  | 63  |
| 370210022031 | 0 | 0   | 0   | 10 | 0  | 10  |
| 370210022032 | 0 | 201 | 0   | 0  | 0  | 201 |
| 370210022033 | 0 | 0   | 0   | 64 | 0  | 64  |
| 370210022041 | 0 | 232 | 0   | 0  | 0  | 232 |
| 370210022042 | 0 | 48  | 0   | 0  | 0  | 48  |
| 370210022043 | 0 | 54  | 0   | 0  | 0  | 54  |
| 370210022044 | 0 | 0   | 66  | 0  | 0  | 66  |
| 370210022051 | 0 | 0   | 367 | 0  | 0  | 367 |
| 370210022052 | 0 | 169 | 0   | 0  | 0  | 169 |
| 370210022053 | 0 | 91  | 0   | 0  | 0  | 91  |
| 370210022061 | 0 | 168 | 0   | 0  | 0  | 168 |
| 370210022062 | 0 | 119 | 0   | 0  | 0  | 119 |
| 370210023031 | 0 | 137 | 0   | 0  | 0  | 137 |
| 370210023032 | 0 | 112 | 0   | 0  | 0  | 112 |
| 370210023033 | 0 | 64  | 0   | 0  | 0  | 64  |
| 370210023034 | 0 | 0   | 198 | 0  | 0  | 198 |
| 370210023041 | 0 | 0   | 233 | 0  | 0  | 233 |
| 370210023051 | 0 | 199 | 0   | 0  | 0  | 199 |
| 370210023052 | 0 | 180 | 0   | 0  | 0  | 180 |
| 370210023061 | 0 | 252 | 0   | 0  | 0  | 252 |
| 370210023062 | 0 | 0   | 22  | 0  | 0  | 22  |
| 370210024011 | 0 | 0   | 36  | 0  | 0  | 36  |
| 370210024012 | 0 | 0   | 89  | 0  | 0  | 89  |
| 370210024021 | 0 | 70  | 0   | 0  | 0  | 70  |
| 370210024022 | 0 | 0   | 70  | 0  | 0  | 70  |
| 370210024023 | 0 | 48  | 0   | 0  | 0  | 48  |
| 370210025031 | 0 | 102 | 0   | 0  | 0  | 102 |
| 370210025032 | 0 | 64  | 0   | 0  | 0  | 64  |
| 370210025033 | 0 | 43  | 0   | 0  | 0  | 43  |
| 370210025041 | 0 | 153 | 0   | 0  | 0  | 153 |
| 370210025042 | 0 | 61  | 0   | 0  | 0  | 61  |
| 370210025043 | 0 | 90  | 0   | 0  | 0  | 90  |
| 370210025051 | 0 | 222 | 0   | 0  | 0  | 222 |
| 370210025052 | 0 | 53  | 0   | 0  | 0  | 53  |
| 370210025053 | 0 | 143 | 0   | 0  | 0  | 143 |
| 370210025061 | 0 | 141 | 0   | 0  | 0  | 141 |
| 370210025062 | 0 | 53  | 0   | 0  | 0  | 53  |
| 370210025063 | 0 | 0   | 0   | 0  | 15 | 15  |
| 370210026031 | 0 | 102 | 0   | 0  | 0  | 102 |
| 370210026032 | 0 | 38  | 0   | 0  | 0  | 38  |
| 370210026041 | 0 | 71  | 0   | 0  | 0  | 71  |
| 370210026042 | 0 | 104 | 0   | 0  | 0  | 104 |
| 370210026043 | 0 | 93  | 0   | 0  | 0  | 93  |
| 370210026044 | 0 | 176 | 0   | 0  | 0  | 176 |
| 370210026061 | 0 | 50  | 0   | 0  | 0  | 50  |
| 370210026062 | 0 | 0   | 54  | 0  | 0  | 54  |
| 370210026063 | 0 | 0   | 74  | 0  | 0  | 74  |
| 370210026071 | 0 | 104 | 0   | 0  | 0  | 104 |



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|              |   |     |     |   |   |     |
|--------------|---|-----|-----|---|---|-----|
| 370210026072 | 0 | 109 | 0   | 0 | 0 | 109 |
| 370210026073 | 0 | 67  | 0   | 0 | 0 | 67  |
| 370210026081 | 0 | 22  | 0   | 0 | 0 | 22  |
| 370210026082 | 0 | 24  | 0   | 0 | 0 | 24  |
| 370210026083 | 0 | 36  | 0   | 0 | 0 | 36  |
| 370210026084 | 0 | 0   | 95  | 0 | 0 | 95  |
| 370210026085 | 0 | 71  | 0   | 0 | 0 | 71  |
| 370210026091 | 0 | 0   | 58  | 0 | 0 | 58  |
| 370210027011 | 0 | 1   | 142 | 0 | 0 | 143 |
| 370210027012 | 0 | 128 | 0   | 0 | 0 | 128 |
| 370210027013 | 0 | 0   | 11  | 0 | 0 | 11  |
| 370210027021 | 0 | 111 | 0   | 0 | 0 | 111 |
| 370210027022 | 0 | 64  | 0   | 0 | 0 | 64  |
| 370210027023 | 0 | 197 | 0   | 0 | 0 | 197 |
| 370210027041 | 0 | 99  | 0   | 0 | 0 | 99  |
| 370210027042 | 0 | 170 | 0   | 0 | 0 | 170 |
| 370210027043 | 0 | 46  | 0   | 0 | 0 | 46  |
| 370210027044 | 0 | 134 | 0   | 0 | 0 | 134 |
| 370210027051 | 0 | 78  | 0   | 0 | 0 | 78  |
| 370210028031 | 0 | 74  | 0   | 0 | 0 | 74  |
| 370210028032 | 0 | 39  | 0   | 0 | 0 | 39  |
| 370210028033 | 0 | 0   | 106 | 0 | 0 | 106 |
| 370210028041 | 0 | 45  | 0   | 0 | 0 | 45  |
| 370210028042 | 0 | 98  | 0   | 0 | 0 | 98  |
| 370210028043 | 0 | 129 | 0   | 0 | 0 | 129 |
| 370210029001 | 0 | 75  | 0   | 0 | 0 | 75  |
| 370210029002 | 0 | 18  | 0   | 0 | 0 | 18  |
| 370210029003 | 0 | 36  | 0   | 0 | 0 | 36  |
| 370210030021 | 0 | 70  | 0   | 0 | 0 | 70  |
| 370210030022 | 0 | 43  | 0   | 0 | 0 | 43  |
| 370210030023 | 0 | 57  | 0   | 0 | 0 | 57  |
| 370210030024 | 0 | 288 | 0   | 0 | 0 | 288 |
| 370210030031 | 0 | 108 | 0   | 0 | 0 | 108 |
| 370210030032 | 0 | 0   | 168 | 0 | 0 | 168 |
| 370210030033 | 0 | 76  | 0   | 0 | 0 | 76  |
| 370210030041 | 0 | 38  | 0   | 0 | 0 | 38  |
| 370210030042 | 0 | 105 | 0   | 0 | 0 | 105 |
| 370210031031 | 0 | 183 | 0   | 0 | 0 | 183 |
| 370210031051 | 0 | 76  | 0   | 0 | 0 | 76  |
| 370210031052 | 0 | 77  | 0   | 0 | 0 | 77  |
| 370210031053 | 0 | 136 | 0   | 0 | 0 | 136 |
| 370210031061 | 0 | 103 | 0   | 0 | 0 | 103 |
| 370210031071 | 0 | 124 | 0   | 0 | 0 | 124 |
| 370210031072 | 0 | 19  | 0   | 0 | 0 | 19  |
| 370210031073 | 0 | 61  | 0   | 0 | 0 | 61  |
| 370210031074 | 0 | 83  | 0   | 0 | 0 | 83  |
| 370210031081 | 0 | 82  | 0   | 0 | 0 | 82  |
| 370210032011 | 0 | 141 | 0   | 0 | 0 | 141 |
| 370210032021 | 0 | 140 | 0   | 0 | 0 | 140 |
| 370210032022 | 0 | 50  | 0   | 0 | 0 | 50  |
| 370210032023 | 0 | 103 | 0   | 0 | 0 | 103 |

# BUNCOMBE COUNTY SALES DISQUALIFICATION STUDY – JUNE 2024

|              |    |       |      |     |    |       |
|--------------|----|-------|------|-----|----|-------|
| 370210032024 | 0  | 43    | 0    | 0   | 0  | 43    |
| 370210032031 | 0  | 72    | 0    | 0   | 0  | 72    |
| 370210032032 | 0  | 48    | 0    | 0   | 0  | 48    |
| 370210032033 | 0  | 251   | 0    | 0   | 0  | 251   |
| 370210032041 | 0  | 136   | 0    | 0   | 0  | 136   |
| 370210032042 | 0  | 102   | 0    | 0   | 0  | 102   |
| 370210032043 | 0  | 145   | 0    | 0   | 0  | 145   |
| 370210032051 | 0  | 127   | 0    | 0   | 0  | 127   |
| Total        | 55 | 12172 | 3103 | 503 | 15 | 15848 |

## CBlockGroup \* IncomeClass Crosstabulation

Count

|             |              | IncomeClass |             |                      |                      |                      |             | Total |
|-------------|--------------|-------------|-------------|----------------------|----------------------|----------------------|-------------|-------|
|             |              | 0           | LT \$47,000 | \$47,000 to \$61,999 | \$62,000 to \$71,999 | \$72,000 to \$90,000 | GT \$90,000 |       |
| CBlockGroup | 370210001002 | 0           | 0           | 35                   | 0                    | 0                    | 0           | 35    |
|             | 370210002001 | 0           | 39          | 0                    | 0                    | 0                    | 0           | 39    |
|             | 370210002002 | 0           | 0           | 0                    | 0                    | 48                   | 0           | 48    |
|             | 370210003001 | 0           | 0           | 64                   | 0                    | 0                    | 0           | 64    |
|             | 370210003002 | 0           | 0           | 0                    | 41                   | 0                    | 0           | 41    |
|             | 370210004001 | 0           | 0           | 0                    | 0                    | 69                   | 0           | 69    |
|             | 370210004002 | 0           | 0           | 29                   | 0                    | 0                    | 0           | 29    |
|             | 370210004003 | 0           | 0           | 46                   | 0                    | 0                    | 0           | 46    |
|             | 370210005001 | 0           | 0           | 0                    | 0                    | 0                    | 94          | 94    |
|             | 370210005002 | 0           | 0           | 0                    | 0                    | 23                   | 0           | 23    |
|             | 370210005003 | 0           | 0           | 0                    | 0                    | 0                    | 110         | 110   |
|             | 370210006001 | 0           | 0           | 0                    | 0                    | 58                   | 0           | 58    |
|             | 370210006002 | 0           | 0           | 0                    | 59                   | 0                    | 0           | 59    |
|             | 370210007001 | 0           | 0           | 0                    | 0                    | 58                   | 0           | 58    |
|             | 370210008001 | 0           | 0           | 0                    | 0                    | 76                   | 0           | 76    |
|             | 370210008002 | 0           | 92          | 0                    | 0                    | 0                    | 0           | 92    |
|             | 370210008003 | 0           | 0           | 0                    | 0                    | 0                    | 77          | 77    |
|             | 370210009001 | 0           | 13          | 0                    | 0                    | 0                    | 0           | 13    |
|             | 370210009002 | 0           | 31          | 0                    | 0                    | 0                    | 0           | 31    |
|             | 370210009003 | 0           | 0           | 39                   | 0                    | 0                    | 0           | 39    |
|             | 370210010001 | 0           | 0           | 0                    | 0                    | 0                    | 179         | 179   |
|             | 370210010002 | 0           | 0           | 0                    | 0                    | 0                    | 209         | 209   |
|             | 370210011001 | 0           | 0           | 0                    | 0                    | 0                    | 123         | 123   |
|             | 370210011002 | 0           | 0           | 0                    | 0                    | 0                    | 158         | 158   |
|             | 370210011003 | 0           | 0           | 0                    | 0                    | 0                    | 133         | 133   |
|             | 370210012001 | 0           | 0           | 0                    | 89                   | 0                    | 0           | 89    |
|             | 370210012002 | 0           | 66          | 0                    | 0                    | 0                    | 0           | 66    |
|             | 370210012003 | 0           | 0           | 0                    | 0                    | 61                   | 0           | 61    |
|             | 370210012004 | 0           | 0           | 0                    | 0                    | 96                   | 0           | 96    |
|             | 370210012005 | 0           | 0           | 0                    | 0                    | 20                   | 0           | 20    |
|             | 370210013001 | 0           | 0           | 0                    | 131                  | 0                    | 0           | 131   |
|             | 370210013002 | 0           | 0           | 0                    | 88                   | 0                    | 0           | 88    |
|             | 370210013003 | 0           | 0           | 115                  | 0                    | 0                    | 0           | 115   |
|             | 370210014011 | 0           | 0           | 0                    | 39                   | 0                    | 0           | 39    |
|             | 370210014012 | 0           | 0           | 42                   | 0                    | 0                    | 0           | 42    |
|             | 370210014013 | 0           | 0           | 70                   | 0                    | 0                    | 0           | 70    |

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|              |    |     |     |     |     |     |     |     |
|--------------|----|-----|-----|-----|-----|-----|-----|-----|
| 370210014021 | 55 | 0   | 0   | 0   | 0   | 0   | 0   | 55  |
| 370210014022 | 0  | 0   | 0   | 10  | 0   | 0   | 0   | 10  |
| 370210015001 | 0  | 0   | 0   | 109 | 0   | 0   | 0   | 109 |
| 370210015002 | 0  | 0   | 0   | 43  | 0   | 0   | 0   | 43  |
| 370210016011 | 0  | 0   | 0   | 0   | 0   | 0   | 90  | 90  |
| 370210016012 | 0  | 0   | 0   | 0   | 131 | 0   | 0   | 131 |
| 370210016021 | 0  | 0   | 0   | 0   | 0   | 0   | 130 | 130 |
| 370210016022 | 0  | 0   | 0   | 62  | 0   | 0   | 0   | 62  |
| 370210017001 | 0  | 0   | 0   | 0   | 0   | 0   | 85  | 85  |
| 370210017002 | 0  | 0   | 0   | 0   | 0   | 0   | 116 | 116 |
| 370210018011 | 0  | 0   | 53  | 0   | 0   | 0   | 0   | 53  |
| 370210018012 | 0  | 0   | 161 | 0   | 0   | 0   | 0   | 161 |
| 370210018021 | 0  | 0   | 0   | 0   | 0   | 61  | 0   | 61  |
| 370210018022 | 0  | 0   | 0   | 0   | 0   | 0   | 164 | 164 |
| 370210019001 | 0  | 0   | 127 | 0   | 0   | 0   | 0   | 127 |
| 370210019002 | 0  | 0   | 0   | 61  | 0   | 0   | 0   | 61  |
| 370210020001 | 0  | 0   | 167 | 0   | 0   | 0   | 0   | 167 |
| 370210020002 | 0  | 0   | 0   | 145 | 0   | 0   | 0   | 145 |
| 370210020003 | 0  | 0   | 0   | 31  | 0   | 0   | 0   | 31  |
| 370210020004 | 0  | 0   | 0   | 0   | 94  | 0   | 0   | 94  |
| 370210021011 | 0  | 0   | 0   | 0   | 0   | 0   | 98  | 98  |
| 370210021021 | 0  | 0   | 0   | 0   | 184 | 0   | 0   | 184 |
| 370210021022 | 0  | 45  | 0   | 0   | 0   | 0   | 0   | 45  |
| 370210021023 | 0  | 0   | 63  | 0   | 0   | 0   | 0   | 63  |
| 370210022031 | 0  | 0   | 10  | 0   | 0   | 0   | 0   | 10  |
| 370210022032 | 0  | 0   | 201 | 0   | 0   | 0   | 0   | 201 |
| 370210022033 | 0  | 0   | 0   | 64  | 0   | 0   | 0   | 64  |
| 370210022041 | 0  | 0   | 0   | 0   | 0   | 0   | 232 | 232 |
| 370210022042 | 0  | 0   | 0   | 0   | 48  | 0   | 0   | 48  |
| 370210022043 | 0  | 54  | 0   | 0   | 0   | 0   | 0   | 54  |
| 370210022044 | 0  | 0   | 0   | 0   | 0   | 0   | 66  | 66  |
| 370210022051 | 0  | 0   | 0   | 0   | 0   | 0   | 367 | 367 |
| 370210022052 | 0  | 0   | 0   | 0   | 0   | 169 | 0   | 169 |
| 370210022053 | 0  | 0   | 0   | 0   | 91  | 0   | 0   | 91  |
| 370210022061 | 0  | 0   | 0   | 0   | 0   | 0   | 168 | 168 |
| 370210022062 | 0  | 0   | 0   | 0   | 119 | 0   | 0   | 119 |
| 370210023031 | 0  | 0   | 0   | 0   | 0   | 0   | 137 | 137 |
| 370210023032 | 0  | 112 | 0   | 0   | 0   | 0   | 0   | 112 |
| 370210023033 | 0  | 0   | 0   | 0   | 0   | 64  | 0   | 64  |
| 370210023034 | 0  | 0   | 0   | 0   | 0   | 0   | 198 | 198 |
| 370210023041 | 0  | 0   | 0   | 0   | 0   | 0   | 233 | 233 |
| 370210023051 | 0  | 0   | 0   | 0   | 0   | 199 | 0   | 199 |
| 370210023052 | 0  | 0   | 0   | 0   | 0   | 180 | 0   | 180 |
| 370210023061 | 0  | 0   | 0   | 0   | 252 | 0   | 0   | 252 |
| 370210023062 | 0  | 0   | 0   | 22  | 0   | 0   | 0   | 22  |
| 370210024011 | 0  | 0   | 0   | 0   | 0   | 0   | 36  | 36  |
| 370210024012 | 0  | 0   | 89  | 0   | 0   | 0   | 0   | 89  |
| 370210024021 | 0  | 0   | 0   | 70  | 0   | 0   | 0   | 70  |
| 370210024022 | 0  | 0   | 0   | 70  | 0   | 0   | 0   | 70  |
| 370210024023 | 0  | 48  | 0   | 0   | 0   | 0   | 0   | 48  |
| 370210025031 | 0  | 0   | 0   | 102 | 0   | 0   | 0   | 102 |

BUNCOMBE COUNTY SALES DISQUALIFICATION STUDY – JUNE 2024

|              |   |    |     |     |     |     |     |     |
|--------------|---|----|-----|-----|-----|-----|-----|-----|
| 370210025032 | 0 | 0  | 64  | 0   | 0   | 0   | 0   | 64  |
| 370210025033 | 0 | 0  | 0   | 43  | 0   | 0   | 0   | 43  |
| 370210025041 | 0 | 0  | 153 | 0   | 0   | 0   | 0   | 153 |
| 370210025042 | 0 | 0  | 0   | 0   | 61  | 0   | 0   | 61  |
| 370210025043 | 0 | 0  | 0   | 0   | 0   | 90  | 0   | 90  |
| 370210025051 | 0 | 0  | 0   | 0   | 222 | 0   | 0   | 222 |
| 370210025052 | 0 | 0  | 0   | 0   | 0   | 0   | 53  | 53  |
| 370210025053 | 0 | 0  | 0   | 0   | 0   | 0   | 143 | 143 |
| 370210025061 | 0 | 0  | 0   | 0   | 141 | 0   | 0   | 141 |
| 370210025062 | 0 | 0  | 53  | 0   | 0   | 0   | 0   | 53  |
| 370210025063 | 0 | 0  | 0   | 15  | 0   | 0   | 0   | 15  |
| 370210026031 | 0 | 0  | 0   | 102 | 0   | 0   | 0   | 102 |
| 370210026032 | 0 | 0  | 38  | 0   | 0   | 0   | 0   | 38  |
| 370210026041 | 0 | 0  | 0   | 0   | 0   | 71  | 0   | 71  |
| 370210026042 | 0 | 0  | 0   | 0   | 0   | 104 | 0   | 104 |
| 370210026043 | 0 | 0  | 0   | 93  | 0   | 0   | 0   | 93  |
| 370210026044 | 0 | 0  | 0   | 0   | 176 | 0   | 0   | 176 |
| 370210026061 | 0 | 0  | 0   | 0   | 0   | 50  | 0   | 50  |
| 370210026062 | 0 | 0  | 54  | 0   | 0   | 0   | 0   | 54  |
| 370210026063 | 0 | 0  | 74  | 0   | 0   | 0   | 0   | 74  |
| 370210026071 | 0 | 0  | 0   | 104 | 0   | 0   | 0   | 104 |
| 370210026072 | 0 | 0  | 0   | 0   | 109 | 0   | 0   | 109 |
| 370210026073 | 0 | 0  | 0   | 0   | 0   | 0   | 67  | 67  |
| 370210026081 | 0 | 0  | 0   | 0   | 22  | 0   | 0   | 22  |
| 370210026082 | 0 | 24 | 0   | 0   | 0   | 0   | 0   | 24  |
| 370210026083 | 0 | 0  | 0   | 36  | 0   | 0   | 0   | 36  |
| 370210026084 | 0 | 0  | 0   | 95  | 0   | 0   | 0   | 95  |
| 370210026085 | 0 | 0  | 0   | 71  | 0   | 0   | 0   | 71  |
| 370210026091 | 0 | 0  | 0   | 0   | 58  | 0   | 0   | 58  |
| 370210027011 | 0 | 0  | 0   | 0   | 143 | 0   | 0   | 143 |
| 370210027012 | 0 | 0  | 0   | 0   | 0   | 128 | 0   | 128 |
| 370210027013 | 0 | 0  | 0   | 0   | 0   | 0   | 11  | 11  |
| 370210027021 | 0 | 0  | 0   | 0   | 0   | 0   | 111 | 111 |
| 370210027022 | 0 | 0  | 64  | 0   | 0   | 0   | 0   | 64  |
| 370210027023 | 0 | 0  | 0   | 0   | 197 | 0   | 0   | 197 |
| 370210027041 | 0 | 0  | 0   | 0   | 0   | 0   | 99  | 99  |
| 370210027042 | 0 | 0  | 0   | 0   | 170 | 0   | 0   | 170 |
| 370210027043 | 0 | 0  | 0   | 0   | 0   | 46  | 0   | 46  |
| 370210027044 | 0 | 0  | 0   | 0   | 0   | 134 | 0   | 134 |
| 370210027051 | 0 | 0  | 0   | 0   | 0   | 78  | 0   | 78  |
| 370210028031 | 0 | 0  | 0   | 74  | 0   | 0   | 0   | 74  |
| 370210028032 | 0 | 0  | 0   | 0   | 39  | 0   | 0   | 39  |
| 370210028033 | 0 | 0  | 0   | 0   | 106 | 0   | 0   | 106 |
| 370210028041 | 0 | 0  | 0   | 45  | 0   | 0   | 0   | 45  |
| 370210028042 | 0 | 0  | 0   | 0   | 0   | 0   | 98  | 98  |
| 370210028043 | 0 | 0  | 0   | 0   | 129 | 0   | 0   | 129 |
| 370210029001 | 0 | 0  | 0   | 0   | 0   | 75  | 0   | 75  |
| 370210029002 | 0 | 0  | 0   | 0   | 18  | 0   | 0   | 18  |
| 370210029003 | 0 | 0  | 36  | 0   | 0   | 0   | 0   | 36  |
| 370210030021 | 0 | 0  | 0   | 0   | 0   | 70  | 0   | 70  |
| 370210030022 | 0 | 0  | 0   | 0   | 43  | 0   | 0   | 43  |

BUNCOMBE COUNTY SALES DISQUALIFICATION STUDY – JUNE 2024

|              |    |     |      |      |      |      |      |       |
|--------------|----|-----|------|------|------|------|------|-------|
| 370210030023 | 0  | 0   | 0    | 57   | 0    | 0    | 0    | 57    |
| 370210030024 | 0  | 0   | 0    | 0    | 288  | 0    | 0    | 288   |
| 370210030031 | 0  | 0   | 0    | 0    | 0    | 108  | 0    | 108   |
| 370210030032 | 0  | 0   | 0    | 0    | 168  | 0    | 0    | 168   |
| 370210030033 | 0  | 0   | 76   | 0    | 0    | 0    | 0    | 76    |
| 370210030041 | 0  | 0   | 0    | 0    | 38   | 0    | 0    | 38    |
| 370210030042 | 0  | 0   | 0    | 0    | 105  | 0    | 0    | 105   |
| 370210031031 | 0  | 0   | 0    | 0    | 0    | 183  | 0    | 183   |
| 370210031051 | 0  | 0   | 0    | 0    | 0    | 76   | 0    | 76    |
| 370210031052 | 0  | 0   | 0    | 0    | 0    | 77   | 0    | 77    |
| 370210031053 | 0  | 0   | 0    | 0    | 136  | 0    | 0    | 136   |
| 370210031061 | 0  | 0   | 0    | 103  | 0    | 0    | 0    | 103   |
| 370210031071 | 0  | 0   | 0    | 0    | 0    | 0    | 124  | 124   |
| 370210031072 | 0  | 0   | 19   | 0    | 0    | 0    | 0    | 19    |
| 370210031073 | 0  | 0   | 0    | 0    | 0    | 61   | 0    | 61    |
| 370210031074 | 0  | 0   | 0    | 83   | 0    | 0    | 0    | 83    |
| 370210031081 | 0  | 82  | 0    | 0    | 0    | 0    | 0    | 82    |
| 370210032011 | 0  | 0   | 0    | 0    | 0    | 141  | 0    | 141   |
| 370210032021 | 0  | 0   | 0    | 0    | 0    | 0    | 140  | 140   |
| 370210032022 | 0  | 0   | 0    | 50   | 0    | 0    | 0    | 50    |
| 370210032023 | 0  | 0   | 0    | 0    | 0    | 0    | 103  | 103   |
| 370210032024 | 0  | 0   | 0    | 0    | 0    | 0    | 43   | 43    |
| 370210032031 | 0  | 0   | 0    | 0    | 0    | 72   | 0    | 72    |
| 370210032032 | 0  | 0   | 0    | 0    | 0    | 0    | 48   | 48    |
| 370210032033 | 0  | 0   | 0    | 251  | 0    | 0    | 0    | 251   |
| 370210032041 | 0  | 0   | 0    | 0    | 0    | 136  | 0    | 136   |
| 370210032042 | 0  | 0   | 0    | 0    | 102  | 0    | 0    | 102   |
| 370210032043 | 0  | 0   | 0    | 0    | 0    | 0    | 145  | 145   |
| 370210032051 | 0  | 0   | 127  | 0    | 0    | 0    | 0    | 127   |
| Total        | 55 | 606 | 2069 | 2458 | 3808 | 2975 | 3877 | 15848 |