

# **SHEET 3 of the Parish Spreadsheet**



# LOW MOD Calculator

- Calculate the Low Mod Percent for Numerous LOGRECNOs (Up to 20)
- Determine the maximum number of additional persons for a Partial LOGRECNO and still keep the target area at or above 51%
- Determine the Number of total persons by pro-rating the LOGRECNO LM% and still keep the target area at or above 51%

# LOW MOD Calculator

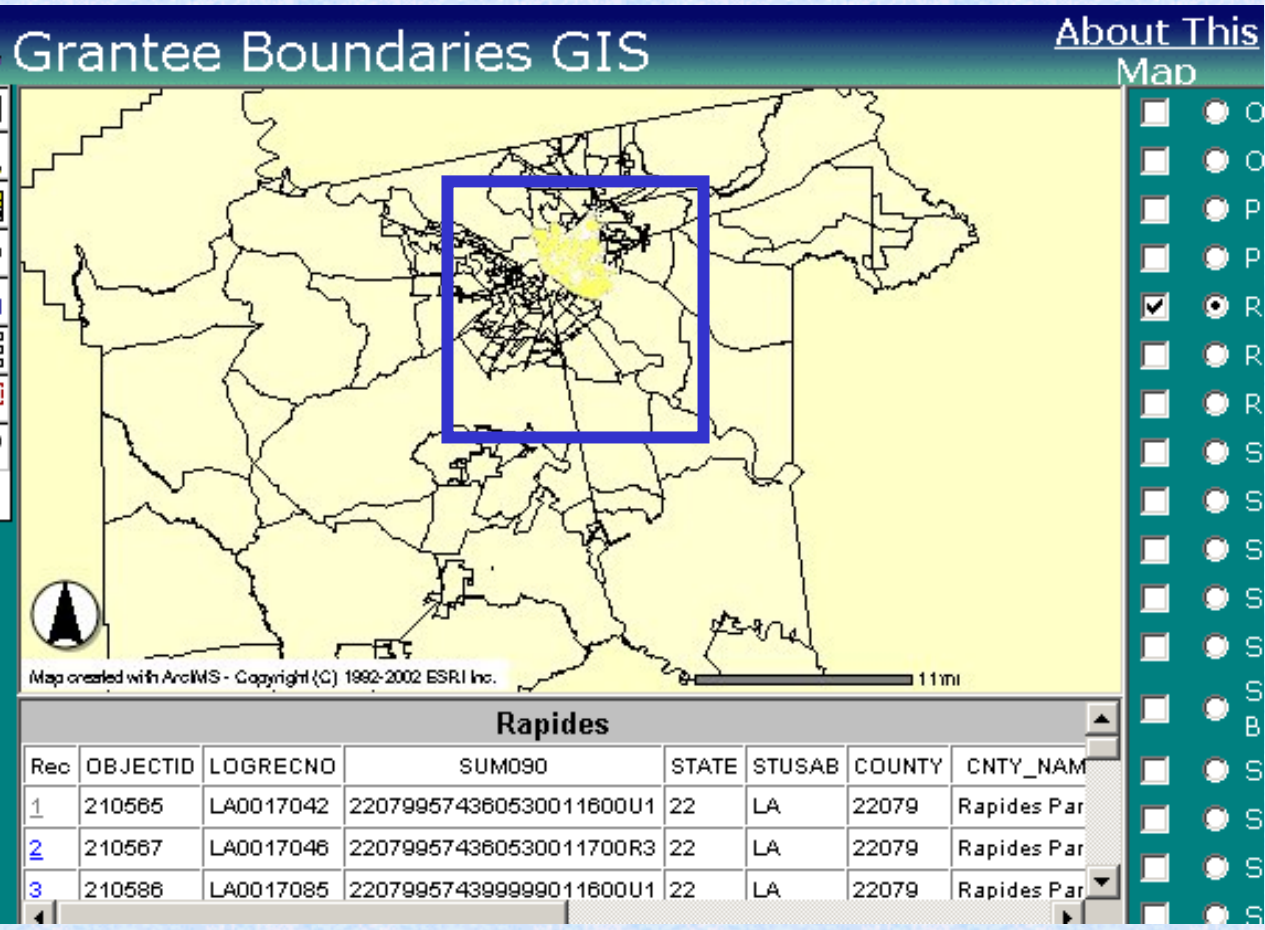
- Determine the minimum number of ABOVE persons to be subtracted when the LOGRECNO(s) is less than 51%
- Determine the minimum number of LOW MOD persons to be added when the LOGRECNO(s) is less than 51%

# LOW MOD Calculator

- Calculate the Low Mod Percent for Numerous LOGRECNOs (Up to 20)

Rapides Parish

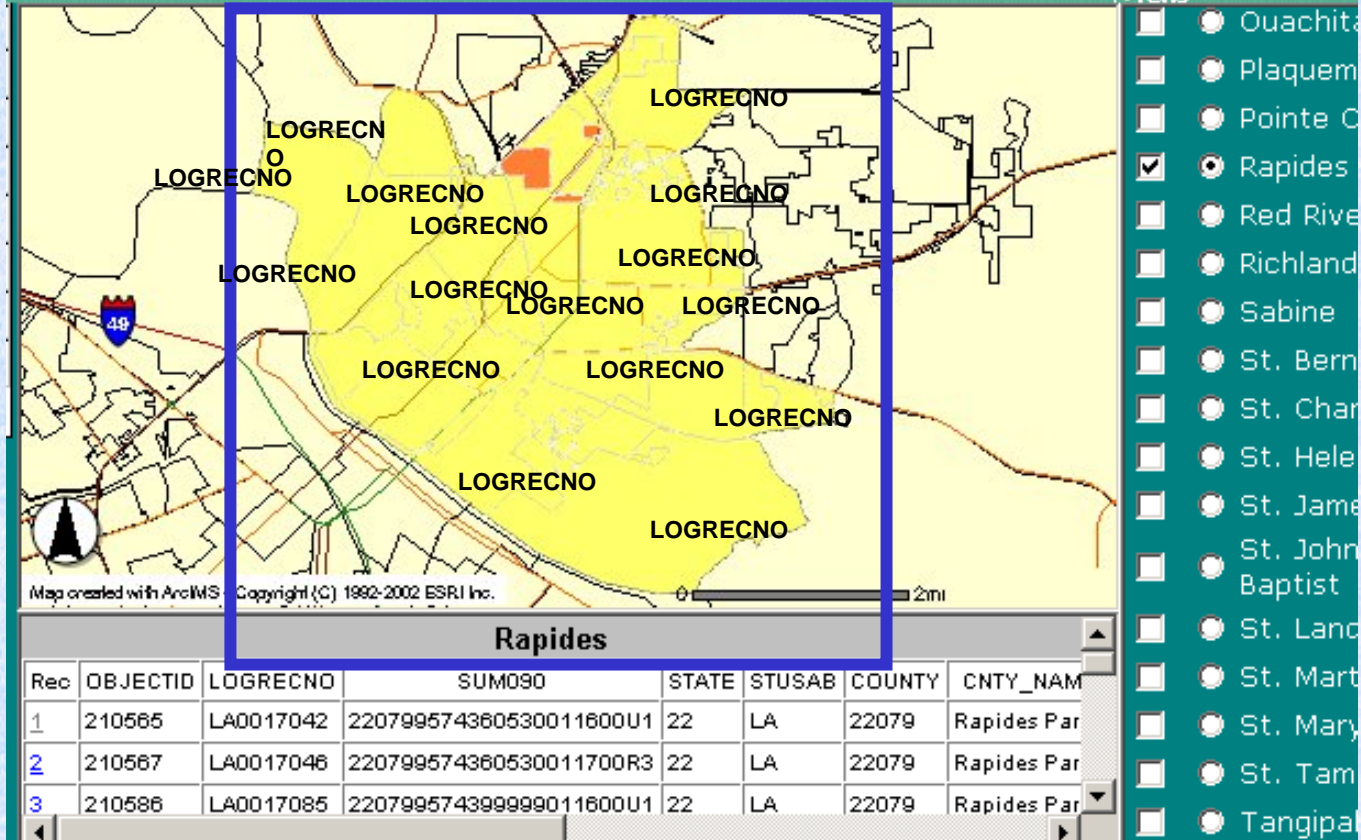
|                                   |              |
|-----------------------------------|--------------|
| <b>Cumulative Low Mod Persons</b> | <b>833</b>   |
| <b>Cumulative Total Persons</b>   | <b>1,563</b> |
| <b>Cumulative LOW MOD Percent</b> | <b>53.3</b>  |



**Suppose a Prospective Target Area Consists of...**

# Grantee Boundaries GIS

About This Map Dis



...Numerous LOGRECNOs





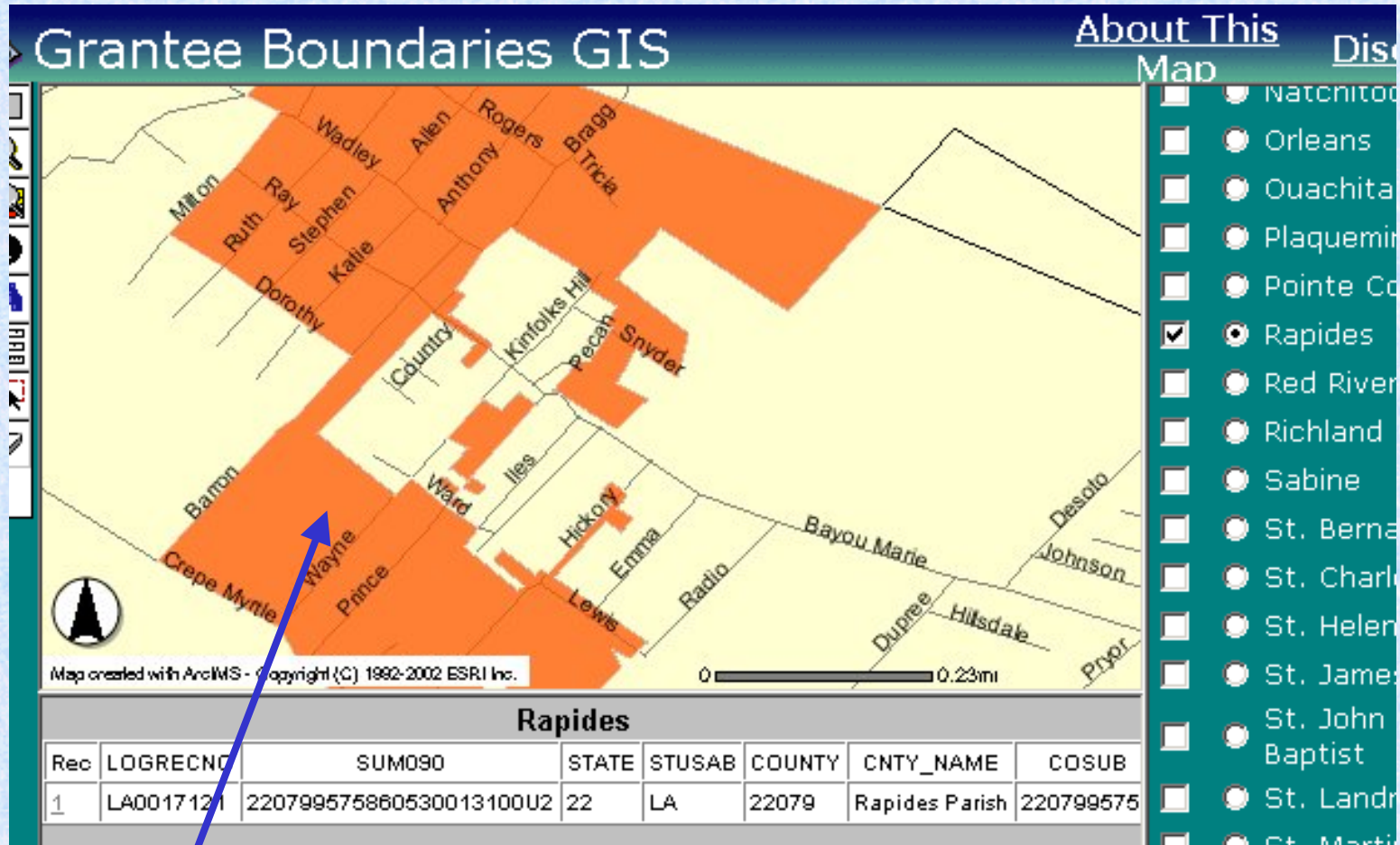
# LOW MOD Calculator

- Determine the maximum number of additional persons from a Partial LOGRECNO that can be added to the Target Area and still keep the target area at or above 51%

|   |     |           |
|---|-----|-----------|
| <b>Maximum Additional ABOVE Persons</b> | 469 | <b>63</b> |
| <b>for Project Area to be 51%</b>       | 920 | 51.0      |

LOWMOD LOWMODUNIV LOWMODPCT

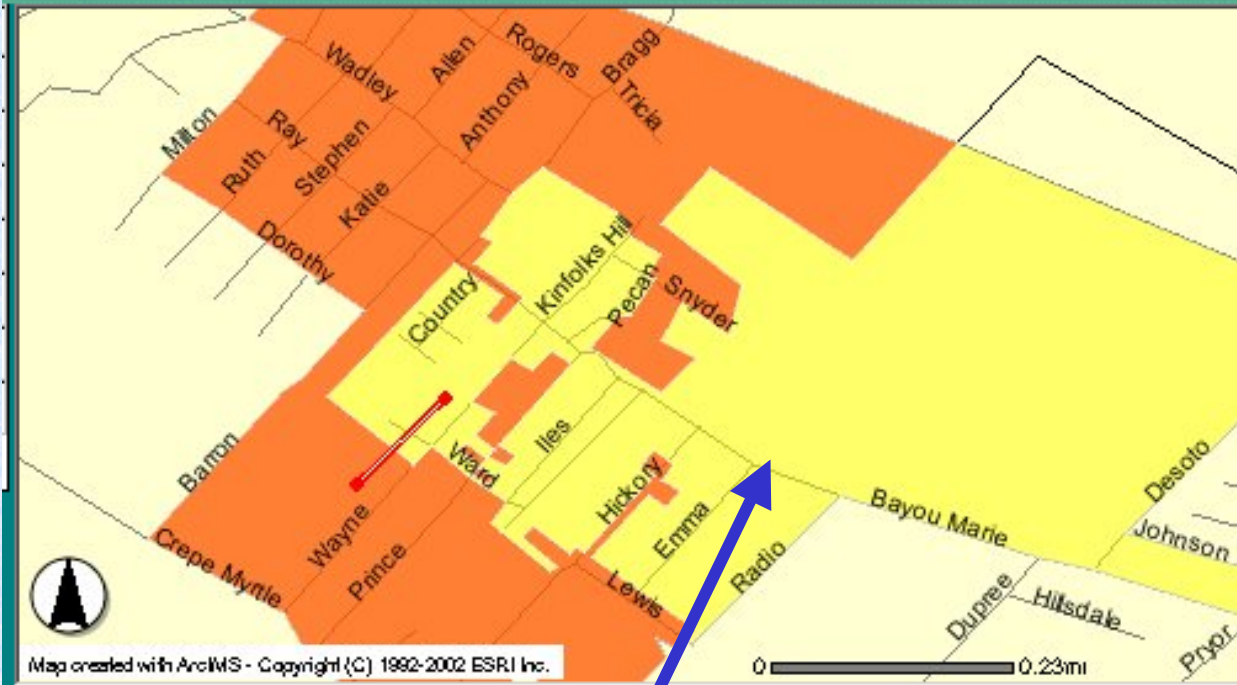
# Example



One LOGRECNO

# Grantee Boundaries GIS

About This Map



- Natchitoches
- Orleans
- Ouachita
- Plaquemine
- Pointe
- Rapides
- Red River
- Richland
- Sabine
- St. Bernard
- St. Charles
- St. Helena
- St. James
- St. John
- St. Joseph
- St. Landry
- St. Martin
- St. Michael

| Rapides           |          |           |                         |       |        |        |                |  |
|-------------------|----------|-----------|-------------------------|-------|--------|--------|----------------|--|
| Rec               | OBJECTID | LOGRECNO  | SUM090                  | STATE | STUSAB | COUNTY | CNTY_NAME      |  |
| <a href="#">1</a> | 210605   | LA0017121 | 220799575860530013100U2 | 22    | LA     | 22079  | Rapides Parish |  |
| <a href="#">2</a> | 210616   | LA0017145 | 220799575899999013100U2 | 22    | LA     | 22079  | Rapides Parish |  |

[Zoom to these records](#)

Adjacent LOGRECNO

|           |                |        |   |     |     |      |
|-----------|----------------|--------|---|-----|-----|------|
| LA0017121 | Pineville city | 013100 | 2 | 397 | 689 | 57.6 |
| LA0017118 | Pineville city | 013100 | 2 | 72  | 168 | 42.9 |
|           |                |        |   |     |     |      |
|           |                |        |   |     |     |      |
|           |                |        |   |     |     |      |
|           |                |        |   |     |     |      |
|           |                |        |   |     |     |      |

Rapides Parish

|  |             |            |
|--|-------------|------------|
| <b>Cumulative Low Mod Persons</b>                    | <b>469</b>  |            |
| <b>Cumulative Total Persons</b>                      | <b>857</b>  |            |
| <b>Cumulative LOW MOD Percent</b>                    | <b>54.7</b> |            |
| <b>Maximum Additional ABOVE Persons</b>              | 469         | <b>63</b>  |
| <b>for Project Area to be 51%</b>                    | 920         | 51.0       |
|  |             | LOWMODUNIV |
| <b>Minimum Excessive Above Persons (if negative)</b> |             | <b>63</b>  |
|  | LOWMOD      | LOWMODUNIV |

**Combined LOGRECNO LM %**

|           |                |        |   |     |     |      |
|-----------|----------------|--------|---|-----|-----|------|
| LA0017121 | Pineville city | 013100 | 2 | 397 | 689 | 57.6 |
| LA0017118 | Pineville city | 013100 | 2 | 72  | 168 | 42.9 |
| LA0017126 | Pineville city | 013200 | 2 |     |     |      |

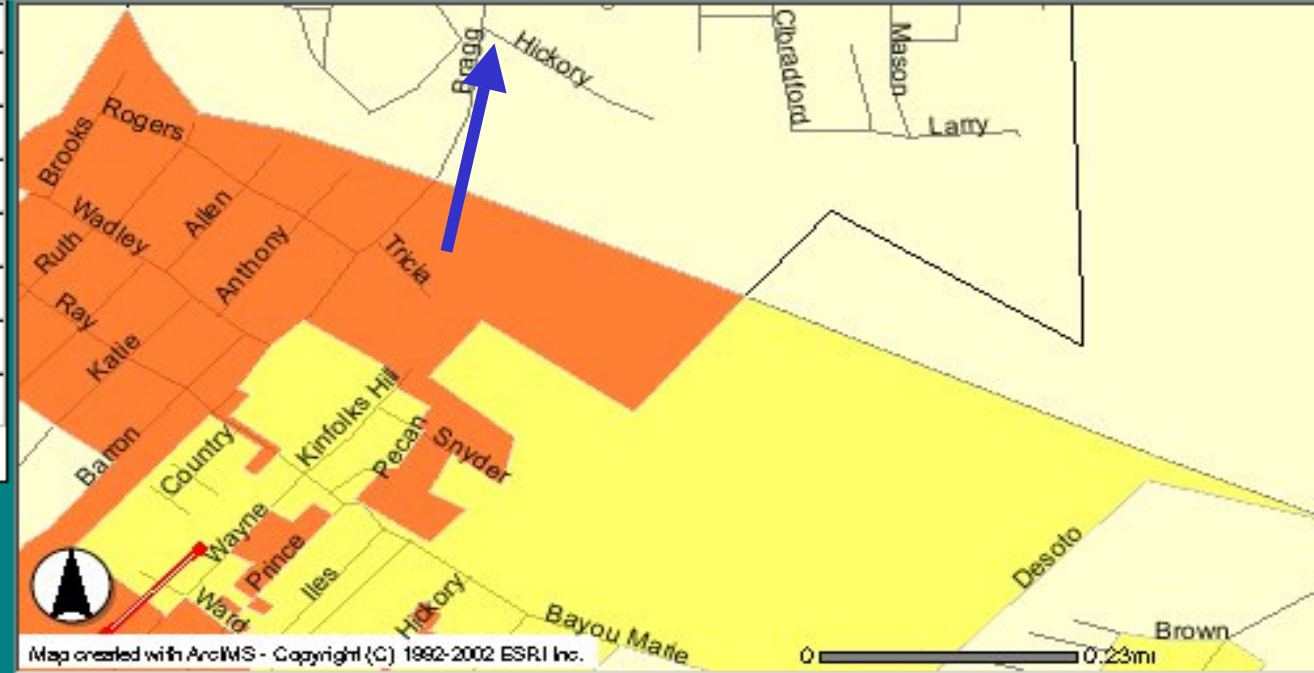
Rapides Parish

|  |             |            |
|--|-------------|------------|
| <b>Cumulative Low Mod Persons</b>                    | <b>469</b>  |            |
| <b>Cumulative Total Persons</b>                      | <b>857</b>  |            |
| <b>Cumulative LOW MOD Percent</b>                    | <b>54.7</b> |            |
| <b>Maximum Additional ABOVE Persons</b>              | 469         | <b>63</b>  |
| <b>for Project Area to be 51%</b>                    | 920         | 51.0       |
|  |             | LOWMODUNIV |
| <b>Minimum Excessive Above Persons (if negative)</b> |             | <b>63</b>  |

**Third LOGRECNO that contains part of the service area**

# Grantee Boundaries GIS

About  
Ma



## Rapides

| Rec               | OBJECTID | LOGRECNO  | SUM090                  | STATE | STUSAB | COUNTY | CNTY_NAME      |
|-------------------|----------|-----------|-------------------------|-------|--------|--------|----------------|
| <a href="#">1</a> | 210605   | LA0017121 | 220799575860530013100U2 | 22    | LA     | 22079  | Rapides Parish |
| <a href="#">2</a> | 210616   | LA0017145 | 220799575899999013100U2 | 22    | LA     | 22079  | Rapides Parish |

Target Area Extends Partially  
into a third LOGRECNO

|           |                |        |   |     |     |      |
|-----------|----------------|--------|---|-----|-----|------|
| LA0017121 | Pineville city | 013100 | 2 | 397 | 689 | 57.6 |
| LA0017118 | Pineville city | 013100 | 2 | 72  | 168 | 42.9 |
| LA0017126 | Pineville city | 013200 | 2 | 131 | 475 | 27.6 |

|   |              |             |
|---|--------------|-------------|
| Rapides Parish                          |              |             |
| <b>Cumulative Low Mod Persons</b>       | <b>600</b>   |             |
| <b>Cumulative Total Persons</b>         | <b>1,332</b> |             |
| <b>Cumulative LOW MOD Percent</b>       | <b>45.0</b>  |             |
| <b>Maximum Additional ABOVE Persons</b> | <b>600</b>   | <b>-155</b> |
| <b>for Project Area to be 51%</b>       | <b>1,177</b> | <b>51.0</b> |
|   |              | LOWMODUNIV  |

The third LOGRECNO has a very low LOW MOD %

|           |                |        |   |     |     |      |
|-----------|----------------|--------|---|-----|-----|------|
| LA0017121 | Pineville city | 013100 | 2 | 397 | 689 | 57.6 |
| LA0017118 | Pineville city | 013100 | 2 | 72  | 168 | 42.9 |
| LA0017126 | Pineville city | 013200 | 2 | 131 | 475 | 27.6 |
|           |                |        |   |     |     |      |
|           |                |        |   |     |     |      |

Rapides Parish

|   |              |             |
|---|--------------|-------------|
| <b>Cumulative Low Mod Persons</b>       | <b>600</b>   |             |
| <b>Cumulative Total Persons</b>         | <b>1,332</b> |             |
| <b>Cumulative LOW MOD Percent</b>       | <b>45.0</b>  |             |
| <b>Maximum Additional ABOVE Persons</b> | <b>600</b>   | <b>-155</b> |
| <b>for Project Area to be 51%</b>       | <b>1,177</b> | <b>51.0</b> |
|   |              | LOWMODUNIV  |

The total of Three LOGRECNOs are Less Than 51 L M %

# Grantee Boundaries GIS



**Part of Third LOGRECNO in  
Target Area**

**How many ABOVE Persons can  
be added to a Target Area and  
still keep the Target Area  
51.0% LOW MOD ?**

|           |                |        |   |     |     |      |
|-----------|----------------|--------|---|-----|-----|------|
| LA0017121 | Pineville city | 013100 | 2 | 397 | 689 | 57.6 |
| LA0017118 | Pineville city | 013100 | 2 | 72  | 168 | 42.9 |
| LA0017126 | Pineville city | 013200 | 2 |     |     |      |
|           |                |        |   |     |     |      |
|           |                |        |   |     |     |      |
|           |                |        |   |     |     |      |

Rapides Parish

|                                   |             |
|-----------------------------------|-------------|
| <b>Cumulative Low Mod Persons</b> | <b>469</b>  |
| <b>Cumulative Total Persons</b>   | <b>857</b>  |
| <b>Cumulative LOW MOD Percent</b> | <b>54.7</b> |

|   |     |           |
|---|-----|-----------|
| <b>Maximum Additional ABOVE Persons</b> | 469 | <b>63</b> |
| <b>for Project Area to be 51%</b>       | 920 | 51.0      |

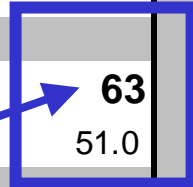
LOWMODUNIV

|  |  |           |
|--|--|-----------|
| <b>Minimum Excessive Above Persons (if negative)</b> |  | <b>63</b> |
|--|--|-----------|

|           |                |        |   |     |     |      |
|-----------|----------------|--------|---|-----|-----|------|
| LA0017121 | Pineville city | 013100 | 2 | 397 | 689 | 57.6 |
| LA0017118 | Pineville city | 013100 | 2 | 72  | 168 | 42.9 |
| LA0017126 | Pineville city | 013200 | 2 |     |     |      |
|           |                |        |   |     |     |      |
|           |                |        |   |     |     |      |
|           |                |        |   |     |     |      |

Rapides Parish

|  |             |
|--|-------------|
| <b>Cumulative Low Mod Persons</b>                    | <b>469</b>  |
| <b>Cumulative Total Persons</b>                      | <b>857</b>  |
| <b>Cumulative LOW MOD Percent</b>                    | <b>54.7</b> |
| <b>Maximum Additional ABOVE Persons</b>              | 469         |
| <b>for Project Area to be 51%</b>                    | 920         |
|  | <b>63</b>   |
|  | 51.0        |
|  | LOWMODUNIV  |
| <b>Minimum Excessive Above Persons (if negative)</b> | <b>63</b>   |

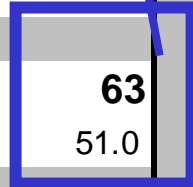


**This many Non LM Persons can be added and keep the Target Area 51% LM**

|           |                |        |   |     |     |      |
|-----------|----------------|--------|---|-----|-----|------|
| LA0017121 | Pineville city | 013100 | 2 | 397 | 689 | 57.6 |
| LA0017118 | Pineville city | 013100 | 2 | 72  | 168 | 42.9 |
| LA0017126 | Pineville city | 013200 | 2 |     |     |      |
|           |                |        |   |     |     |      |
|           |                |        |   |     |     |      |

Rapides Parish

|  |             |            |
|--|-------------|------------|
| <b>Cumulative Low Mod Persons</b>                    | <b>469</b>  |            |
| <b>Cumulative Total Persons</b>                      | <b>857</b>  |            |
| <b>Cumulative LOW MOD Percent</b>                    | <b>54.7</b> |            |
| <b>Maximum Additional ABOVE Persons</b>              | 469         | <b>63</b>  |
| <b>for Project Area to be 51%</b>                    | 920         | 51.0       |
|  |             | LOWMODUNIV |
| <b>Minimum Excessive Above Persons (if negative)</b> |             | <b>63</b>  |



Enter the number on the spreadsheet as ABOVE persons

No LM Persons

All Above Persons

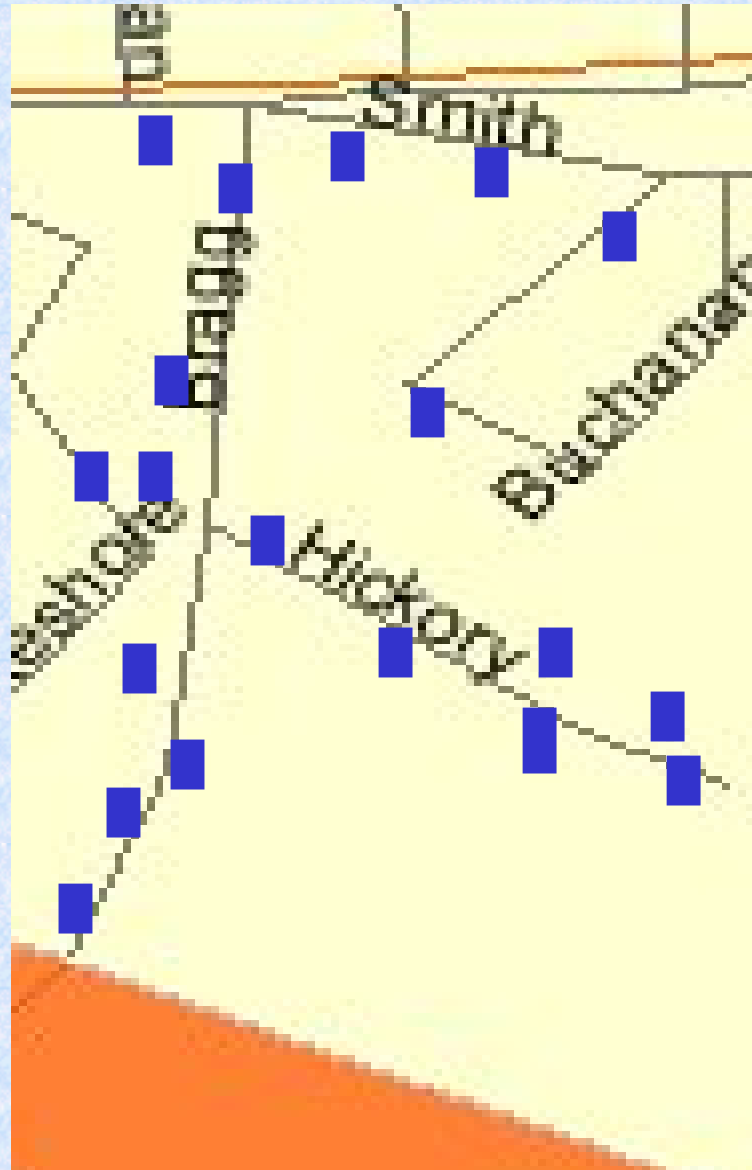
|           |                |        |   |  | LOWMOD | LOWMODUNIV |      |
|-----------|----------------|--------|---|--|--------|------------|------|
| LA0017121 | Pineville city | 013100 | 2 |  | 397    | 689        | 57.6 |
| LA0017118 | Pineville city | 013100 | 2 |  | 72     | 168        | 42.9 |
| LA0017126 | Pineville city | 013200 | 2 |  | 0      | 63         | 27.6 |
|           |                |        |   |  |        |            |      |
|           |                |        |   |  |        |            |      |

Rapides Parish

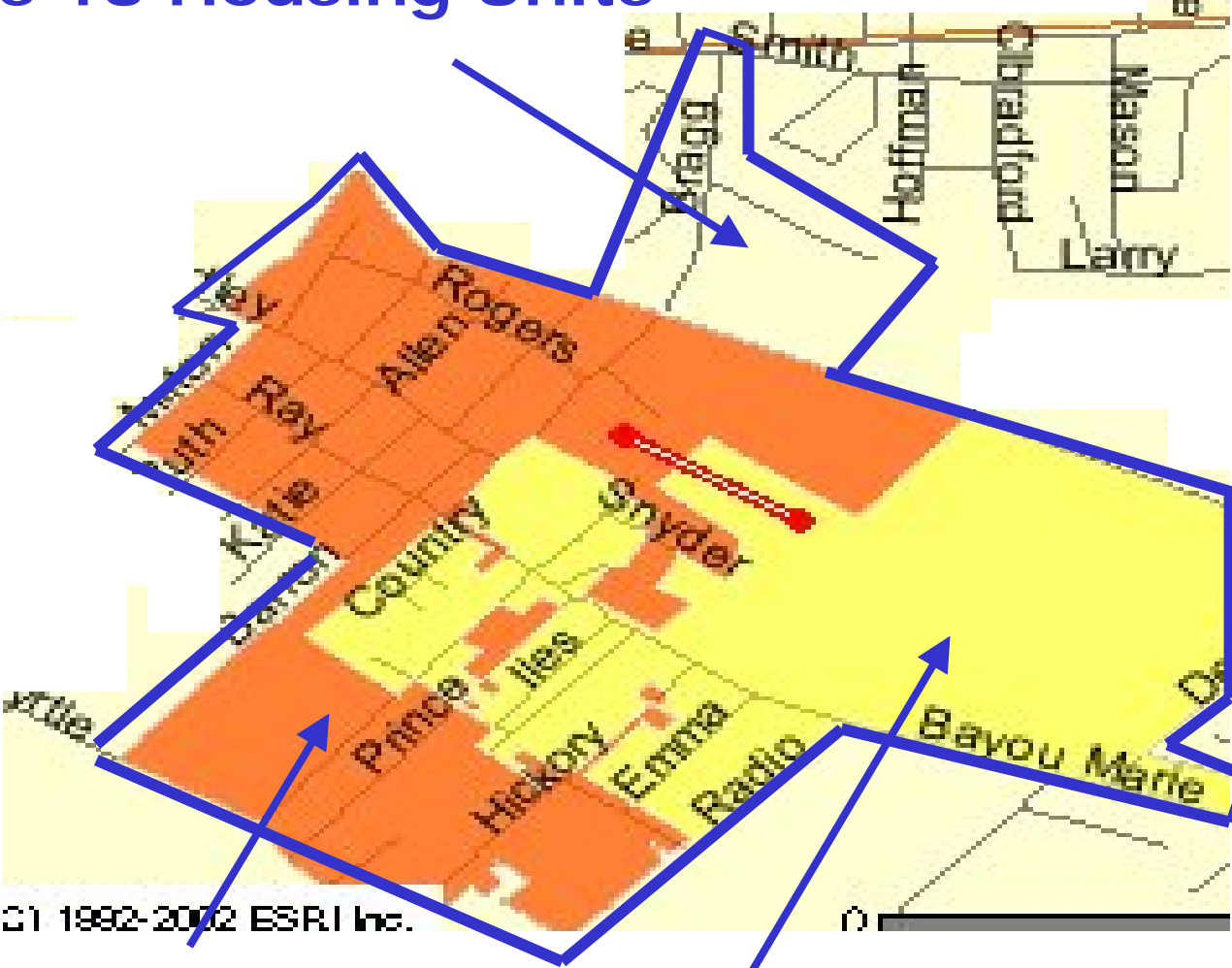
|   |             |             |
|---|-------------|-------------|
| <b>Cumulative Low Mod Persons</b>       | <b>469</b>  |             |
| <b>Cumulative Total Persons</b>         | <b>920</b>  |             |
| <b>Cumulative LOW MOD Percent</b>       | <b>51.0</b> |             |
| <b>Maximum Additional ABOVE Persons</b> | <b>469</b>  | <b>0</b>    |
| <b>for Project Area to be 51%</b>       | <b>920</b>  | <b>51.0</b> |
|   |             | LOWMODUNIV  |

Exactly 51%

**63 Persons**  
**= approximately**  
**28 Households**  
**(2.2 persons/HH)**  
**To**  
**23 Households**  
**(2.8 persons/HH)**

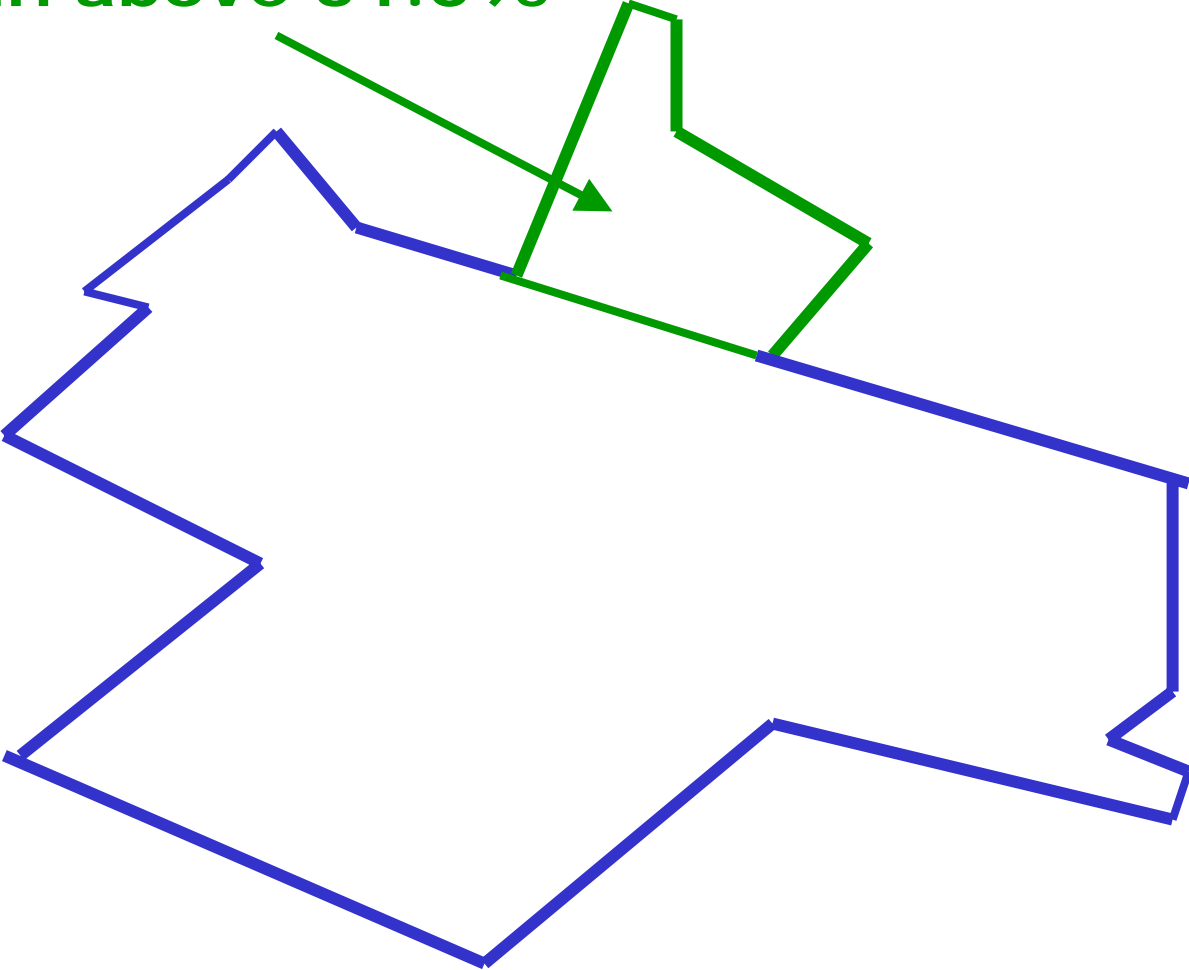


# Partial LOGRECNO has 18 Housing Units



Complete LOGRECNOs

Assuming all 18 HU are non-LM the Target Area will be remain above 51.0%



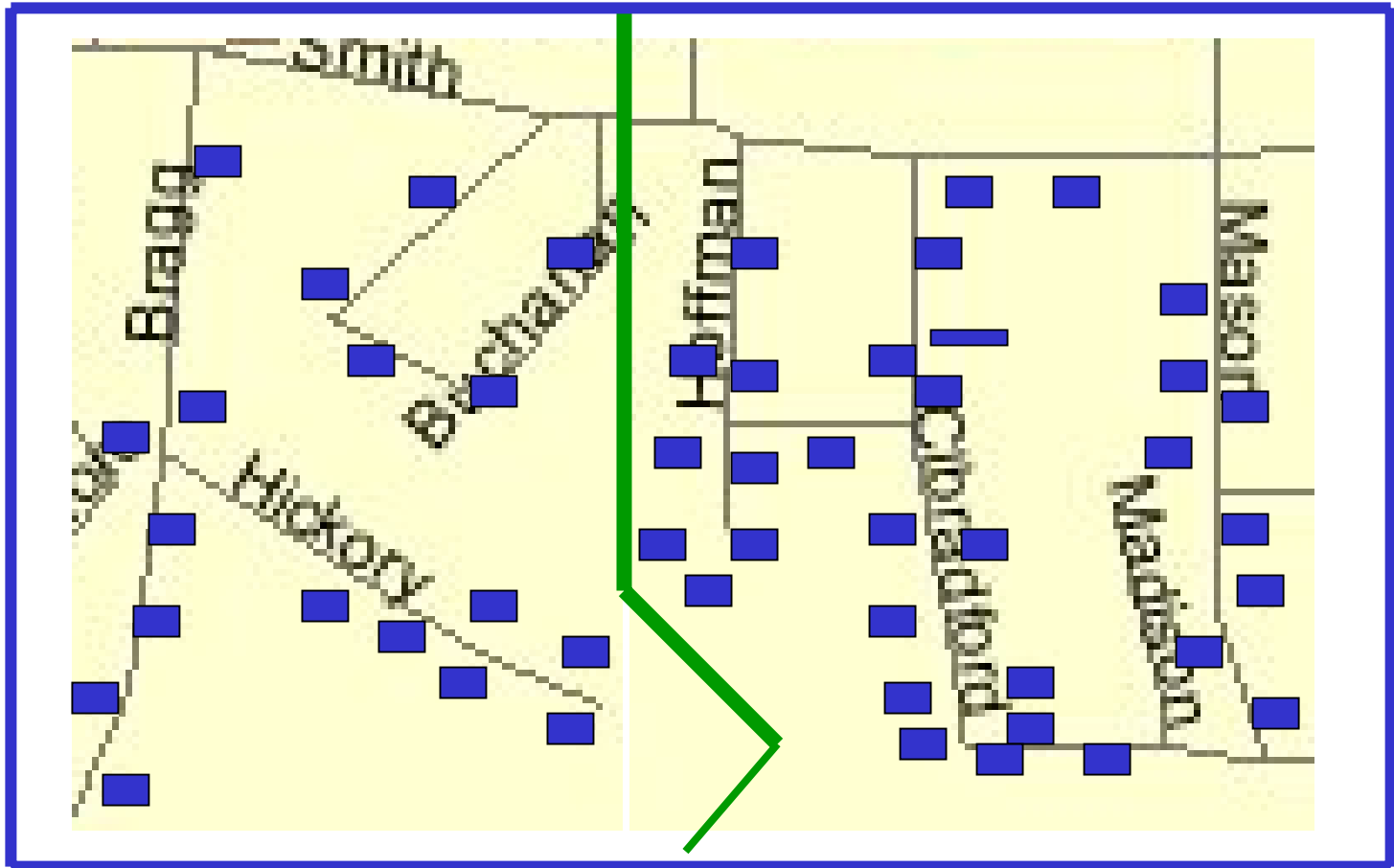
**What if the Partial LOGRECNO is more than 63 persons (28 HUs)?**

# Grantee Boundaries GIS



**The Third LOGRECNO in the Target Area Now Includes this area**

## More than 28 Households, More than 63 persons



Assuming all HU's are ABOVE, the total target area will fall below 51.0%

# LOW MOD Calculator

- Determine the Number of total persons and household range by pro-rating the LOGRECNO LM%

|                                   | LOWMOD  | LOWMODUNI | LOWMODPCT |
|-----------------------------------|---------|-----------|-----------|
| <b>Pro rated Partial LOGRECNO</b> | #DIV/0! | #DIV/0!   | 0         |

|           |  |                |        |   |  | LOWMOD | LOWMODUNIV |      |
|-----------|--|----------------|--------|---|--|--------|------------|------|
| LA0017121 |  | Pineville city | 013100 | 2 |  | 397    | 689        | 57.6 |
| LA0017118 |  | Pineville city | 013100 | 2 |  | 72     | 168        | 42.9 |
| LA0017126 |  | Pineville city | 013200 | 2 |  | 0      | 0          | 27.6 |
|           |  |                |        |   |  |        |            |      |
|           |  |                |        |   |  |        |            |      |

Rapides Parish

**Cumulative Low Mod Persons 469**  
**Cumulative Total Persons 857**  
**Cumulative LOW MOD Percent 54.7**

**Maximum Additional ABOVE Persons 469 63**  
**for Project Area to be 51% 920 51.0**

|                                   | LOWMOD         | LOWMODUNIV     | LOWMODPCT |
|-----------------------------------|----------------|----------------|-----------|
| <b>Pro rated Partial LOGRECNO</b> | <b>#DIV/0!</b> | <b>#DIV/0!</b> | <b>0</b>  |

|    |       |      |       |   |
|----|-------|------|-------|---|
| 32 | 437.1 | 0.51 | 0.505 | 0 |
|----|-------|------|-------|---|

|           |                |        |   |  | LOWMOD | LOWMODUNIV |      |
|-----------|----------------|--------|---|--|--------|------------|------|
| LA0017121 | Pineville city | 013100 | 2 |  | 397    | 689        | 57.6 |
| LA0017118 | Pineville city | 013100 | 2 |  | 72     | 168        | 42.9 |
| LA0017126 | Pineville city | 013200 | 2 |  | 0      | 0          | 27.6 |
|           |                |        |   |  |        |            |      |
|           |                |        |   |  |        |            |      |

Rapides Parish

|                                   |             |  |
|-----------------------------------|-------------|--|
| <b>Cumulative Low Mod Persons</b> | <b>469</b>  |  |
| <b>Cumulative Total Persons</b>   | <b>857</b>  |  |
| <b>Cumulative LOW MOD Percent</b> | <b>54.7</b> |  |

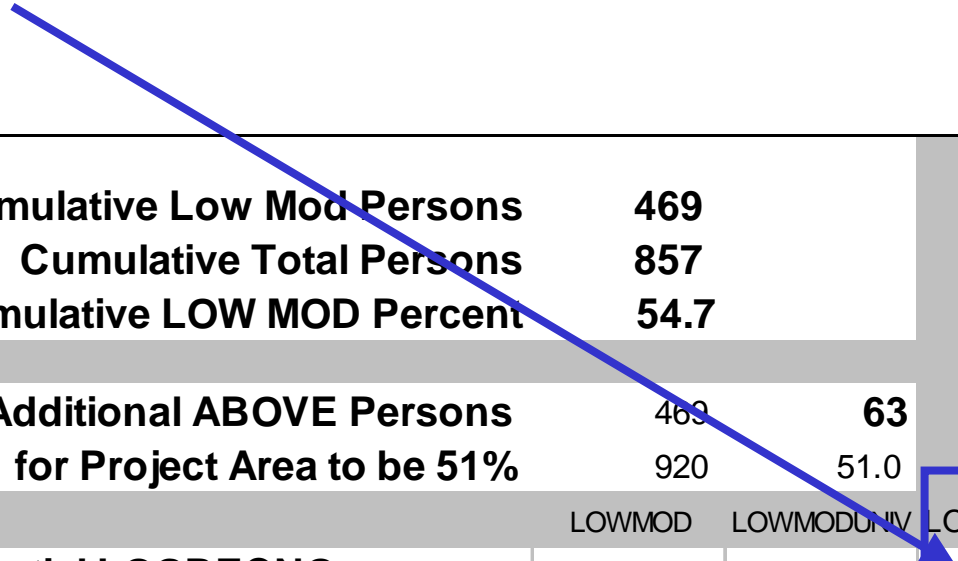
|   |     |           |
|---|-----|-----------|
| <b>Maximum Additional ABOVE Persons</b> | 469 | <b>63</b> |
| <b>for Project Area to be 51%</b>       | 920 | 51.0      |

|                                   | LOWMOD         | LOWMODUNIV     | LOWMODPCT |
|-----------------------------------|----------------|----------------|-----------|
| <b>Pro rated Partial LOGRECNO</b> | <b>#DIV/0!</b> | <b>#DIV/0!</b> | <b>0</b>  |
|                                   | 32 437.1       | 0.51           | 0.505     |

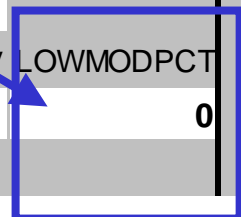
**Take the LOW MOD % from the Partial LOGRECNO**

Enter the Low Mod  
Percent 27.6

| LOWMOD | LOWMODUNIV |      |
|--------|------------|------|
| 397    | 689        | 57.6 |
| 72     | 168        | 42.9 |
| 0      | 0          | 27.6 |
|        |            |      |

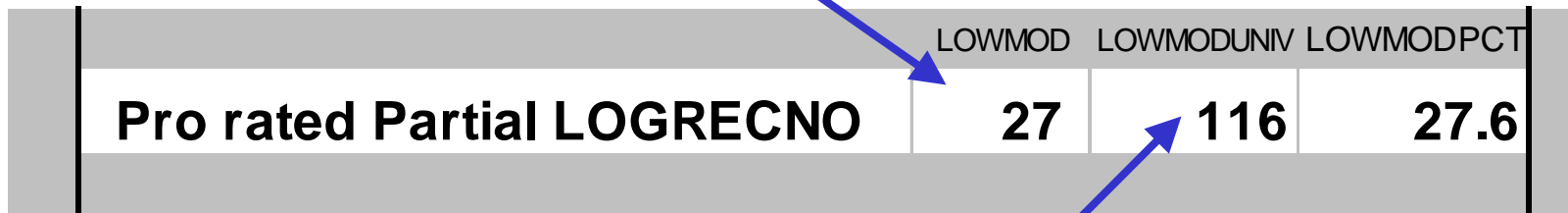


|  |                |                |           |
|--|----------------|----------------|-----------|
| <b>Cumulative Low Mod Persons</b>                                      | <b>469</b>     |                |           |
| <b>Cumulative Total Persons</b>  | <b>857</b>     |                |           |
| <b>Cumulative LOW MOD Percent</b>                                      | <b>54.7</b>    |                |           |
| <b>Maximum Additional ABOVE Persons<br/>for Project Area to be 51%</b> | 469            | <b>63</b>      |           |
|  | 920            | 51.0           |           |
|  | LOWMOD         | LOWMODUNIV     | LOWMODPCT |
| <b>Pro rated Partial LOGRECNO</b>                                      | <b>#DIV/0!</b> | <b>#DIV/0!</b> | <b>0</b>  |



Here

**Pro rated additional LM  
Persons will be calculated**



|                                   | LOWMOD    | LOWMODUNIV | LOWMODPCT   |
|-----------------------------------|-----------|------------|-------------|
| <b>Pro rated Partial LOGRECNO</b> | <b>27</b> | <b>116</b> | <b>27.6</b> |

**Pro rated additional TOTAL  
Persons will be calculated**

**Enter these numbers ...**

|           |                |        |   |  | LOWMOD | LOWMODUNIV |      |
|-----------|----------------|--------|---|--|--------|------------|------|
| LA0017121 | Pineville city | 013100 | 2 |  | 397    | 689        | 57.6 |
| LA0017118 | Pineville city | 013100 | 2 |  | 72     | 168        | 42.9 |
| LA0017126 | Pineville city | 013200 | 2 |  | 27     | 116        | 27.6 |
|           |                |        |   |  |        |            |      |
|           |                |        |   |  |        |            |      |

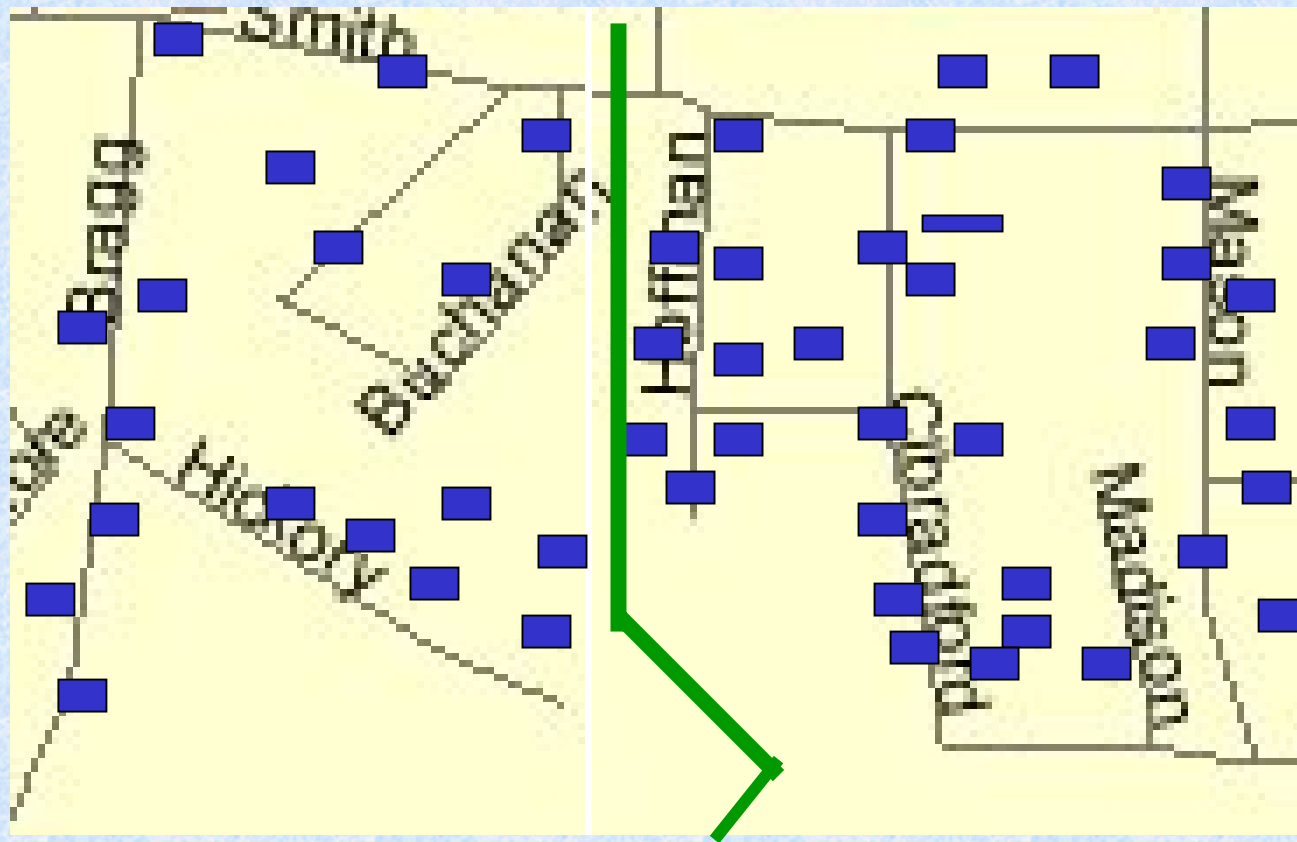
Rapides Parish

|  |             |             |
|--|-------------|-------------|
| <b>Cumulative Low Mod Persons</b>                                      | <b>496</b>  |             |
| <b>Cumulative Total Persons</b>  | <b>973</b>  |             |
| <b>Cumulative LOW MOD Percent</b>                                      | <b>51.0</b> |             |
| <b>Maximum Additional ABOVE Persons<br/>for Project Area to be 51%</b> | 496         | <b>0</b>    |
|  | 973         | 51.0        |
|  | LOWMOD      | LOWMODUNIV  |
| <b>Pro rated Partial LOGRECNO</b>                                      | <b>(0)</b>  | <b>-1</b>   |
|  |             | <b>27.6</b> |

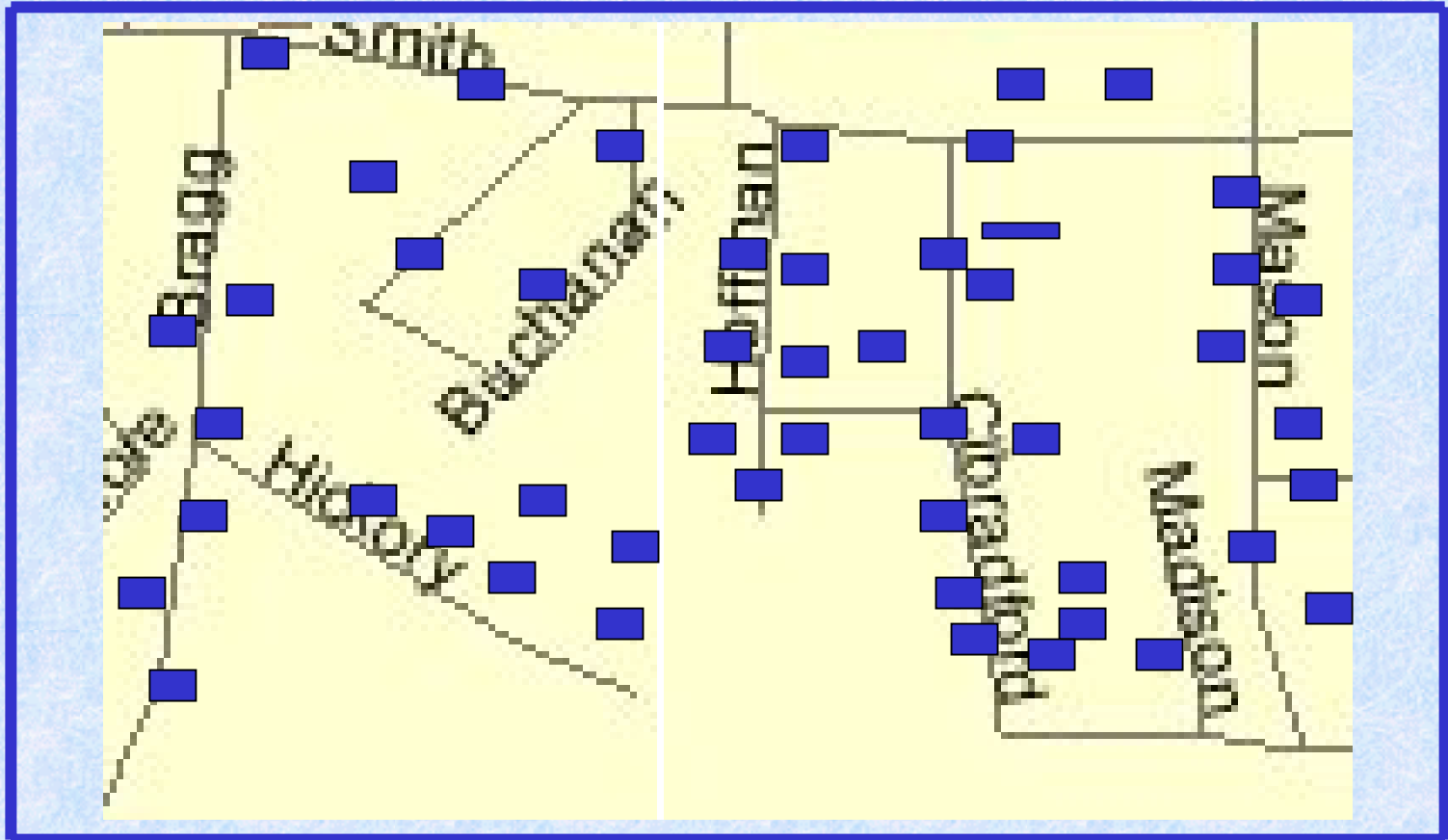
Enter these numbers on the spread sheet here

LOW MOD% is above 51.0%

116 Persons = 42 Households (2.8 persons) to  
53 households (2.2) persons

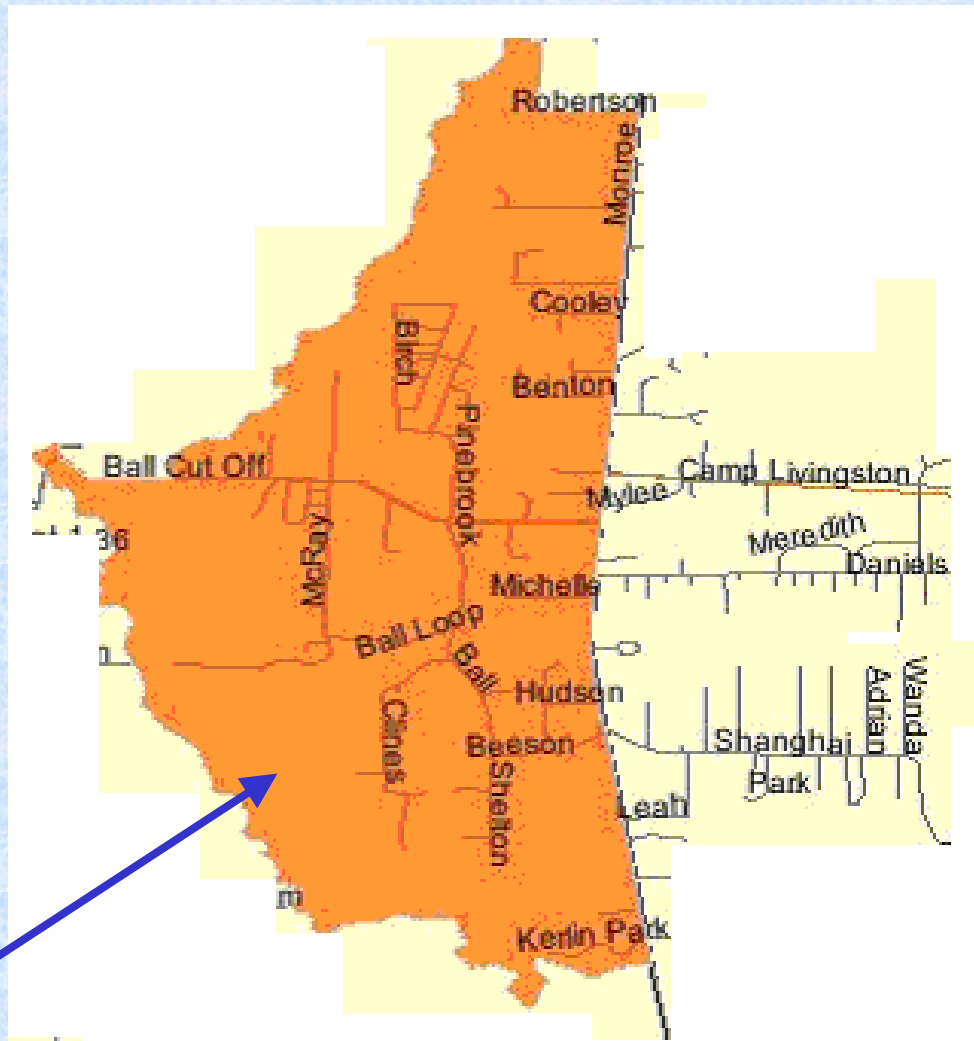


If the Area has fewer HUs it should be successful in keeping the total Target Area above 51% LOW MOD.

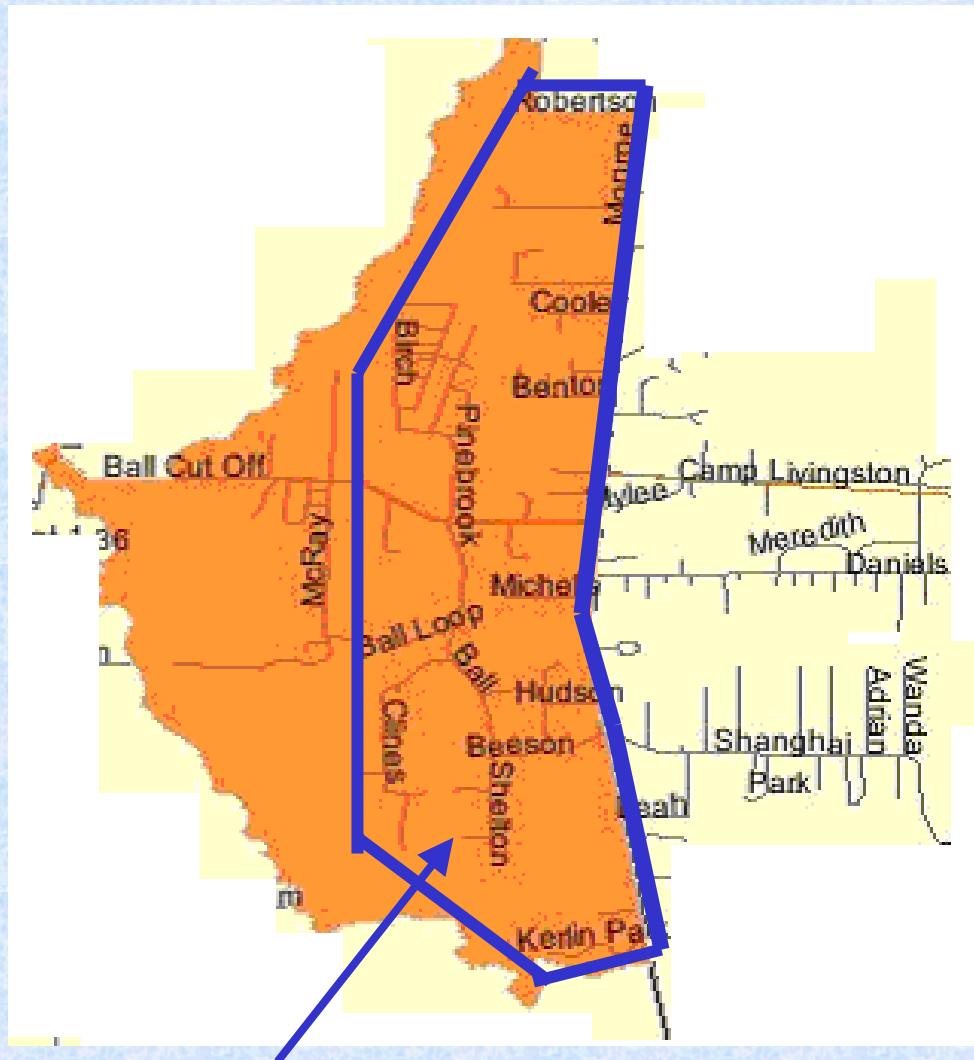


**What if the LOGRECNO(s) is  
less than 51.0% LOW MOD ?**

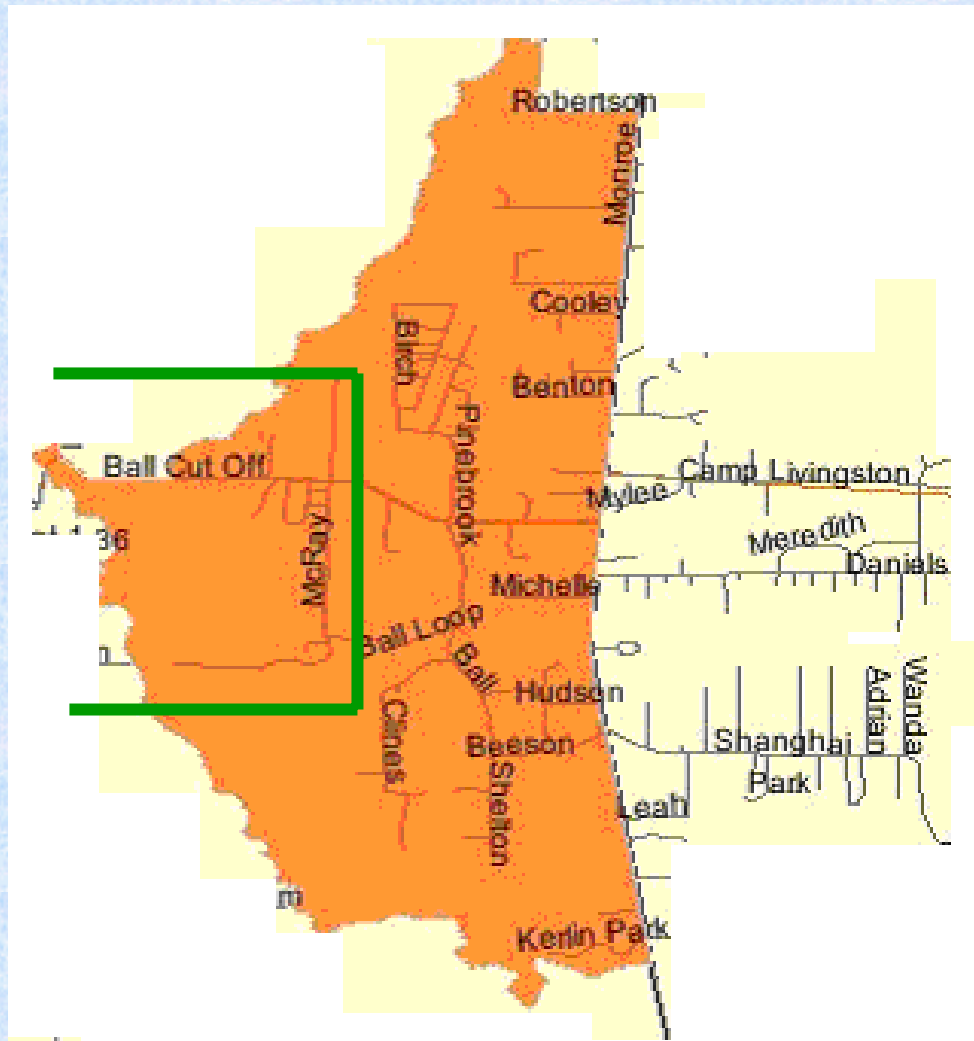
Example:



This LOGRECNO is 47.8% LM



**Target Area portion of  
the LOGRECNO**



**Excluded Area of the LOGRECNO**

**How many ABOVE Persons  
(HU's) need to be subtracted  
from the LOGRECNO to bring  
the Target Area to 51.0% ?**

# LOW MOD Calculator

- Determine the minimum number of ABOVE persons to be subtracted when the LOGRECNO(s) are less than 51%

**Minimum Excessive Above Persons (if negative)**

**-88**

LOWMOD LOWMODUNIV

|           |           |        |   |  | LOWMOD | LOWMODUNI | LOWMODPCT |
|-----------|-----------|--------|---|--|--------|-----------|-----------|
| LAD017019 | Ball town | 010300 | 1 |  | 684    | 1430      | 47.8      |
|           |           |        |   |  |        |           |           |

0

|  |             |            |           |
|--|-------------|------------|-----------|
| Cumulative Low Mod Persons                           | 684         |            |           |
| Cumulative Total Persons                             | 1,430       |            |           |
| <b>Cumulative LOW MOD Percent</b>                    | <b>47.8</b> |            |           |
| Maximum Additional ABOVE Persons                     | 684         | <b>-88</b> |           |
| for Project Area to be 51%                           | 1,342       | 51.0       |           |
|  | LOWMOD      | LOWMODUNI  | LOWMODPCT |
| Pro rated Partial LOGRECNO                           | #DIV/0!     | #DIV/0!    | 0         |
| <b>Minimum Excessive Above Persons (if negative)</b> |             | <b>-88</b> |           |
|  | LOWMOD      | LOWMODUNI  | LOWMODPCT |

|  |           |        |   |  | LOWMOD      | LOWMODUN   | LOWMODPCT |
|--|-----------|--------|---|--|-------------|------------|-----------|
| LAD017019  | Ball town | 010300 | 1 |  | 684         | 1430       | 47.8      |
| 0  |           |        |   |  |             |            |           |
| Cumulative Low Mod Persons                           |           |        |   |  | 684         |            |           |
| Cumulative Total Persons                             |           |        |   |  | 1,430       |            |           |
| <b>Cumulative LOW MOD Percent</b>                    |           |        |   |  | <b>47.8</b> |            |           |
| Maximum Additional ABOVE Persons                     |           |        |   |  | 684         | <b>-88</b> |           |
| for Project Area to be 51%                           |           |        |   |  | 1,342       | 51.0       |           |
|  |           |        |   |  | LOWMOD      | LOWMODUN   | LOWMODPCT |
| Pro rated Partial LOGRECNO                           |           |        |   |  | #DIV/0!     | #DIV/0!    | 0         |
| <b>Minimum Excessive Above Persons (if negative)</b> |           |        |   |  |             | <b>-88</b> |           |

**Minimum Number of ABOVE Persons that have to be subtracted from LOGRECNO**

|           |           |        |   |  | LOWMOD | LOWMODUNI  | LOWMODPCT |
|-----------|-----------|--------|---|--|--------|------------|-----------|
| LA0017019 | Ball town | 010300 | 1 |  | 684    | 1430       | 47.8      |
|           |           |        |   |  |        | <b>-88</b> |           |

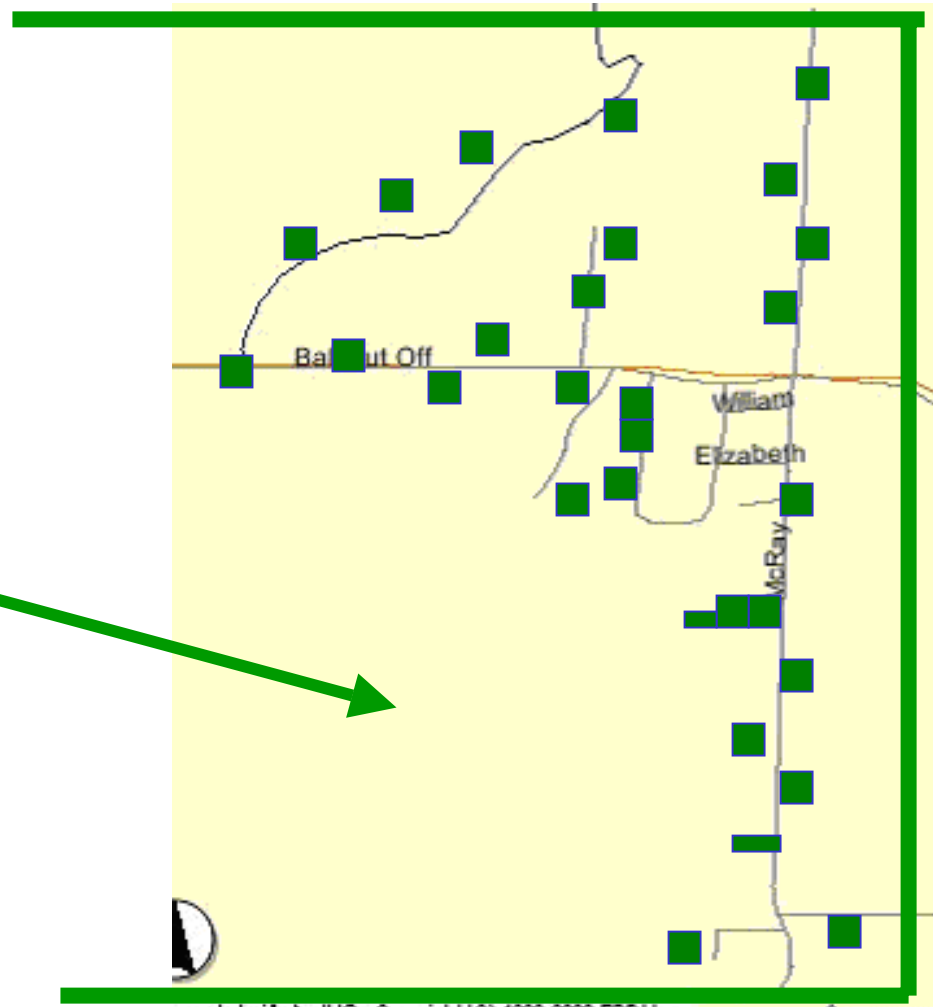
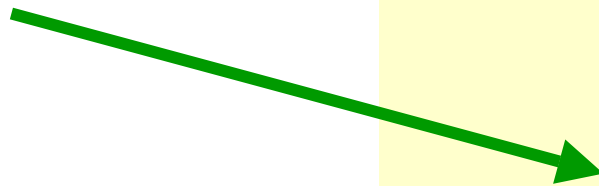
  

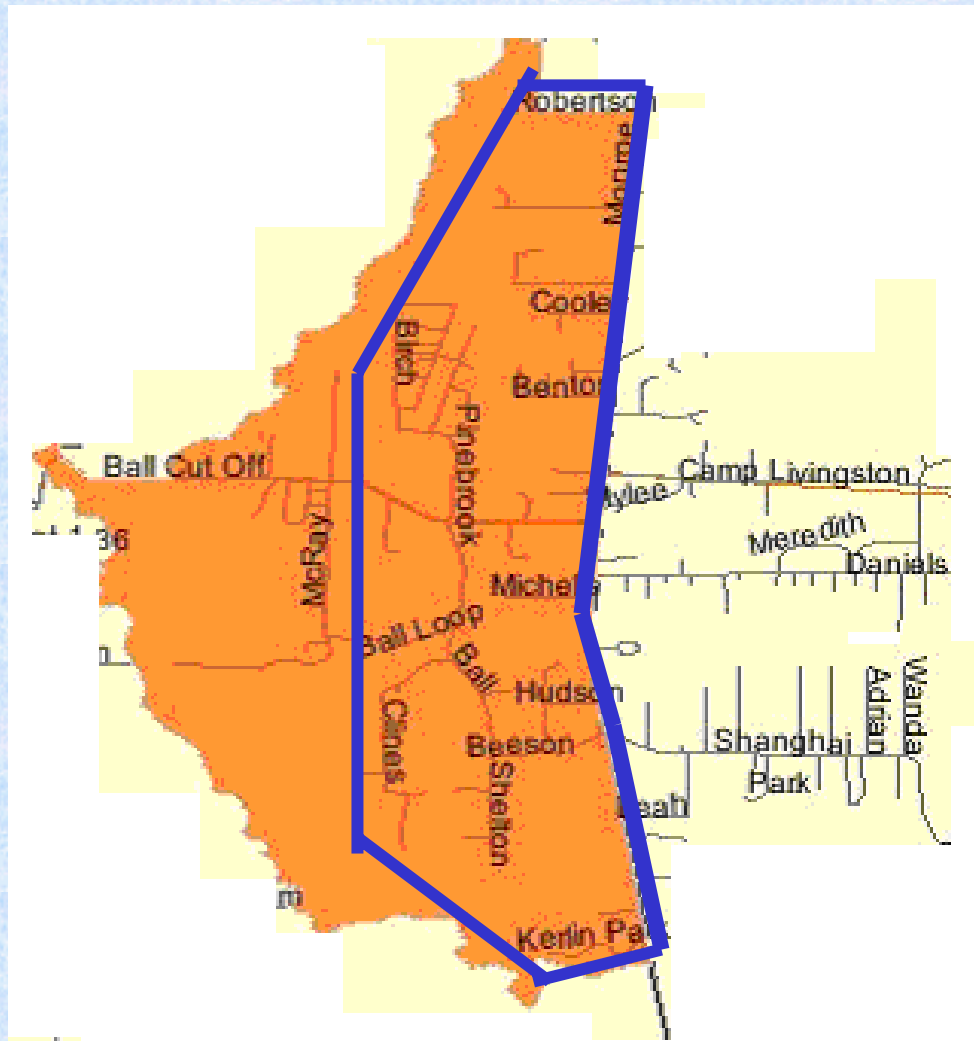
|  |             |           |
|--|-------------|-----------|
| Cumulative Low Mod Persons                           | 684         |           |
| Cumulative Total Persons                             | 1,342       |           |
| <b>Cumulative LOW MOD Percent</b>                    | <b>51.0</b> |           |
| Maximum Additional ABOVE Persons                     | 684         | <b>0</b>  |
| for Project Area to be 51%                           | 1,342       | 51.0      |
|  | LOWMOD      | LOWMODUNI |
| Pro rated Partial LOGRECNO                           | #DIV/0!     | #DIV/0!   |
|  |             | LOWMODPCT |
|  |             | 0         |
| <b>Minimum Excessive Above Persons (if negative)</b> |             | <b>0</b>  |
|  | LOWMOD      | LOWMODUNI |

**Enter Number  
as a negative  
on spreadsheet**

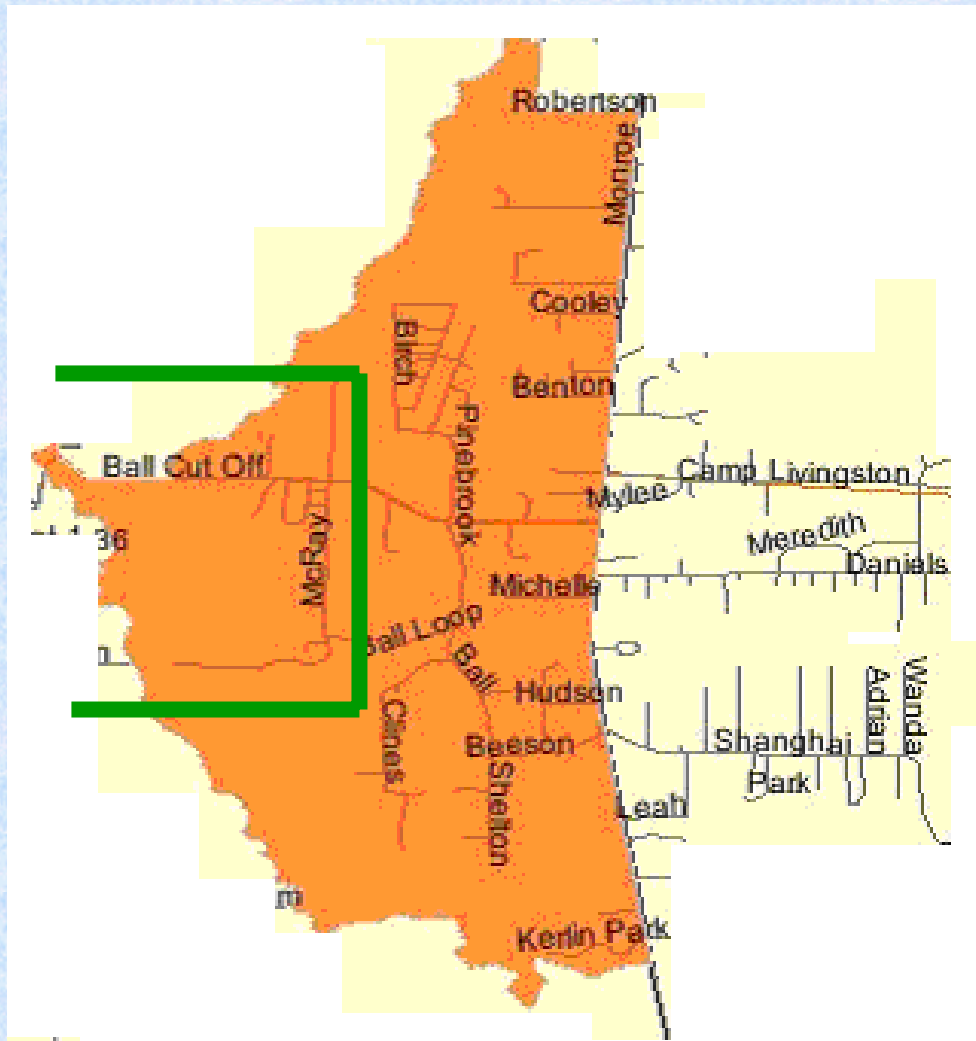
If the  
excluded  
area has at  
least 88 all  
Non-LM  
Persons

(31 to 40  
HU's)

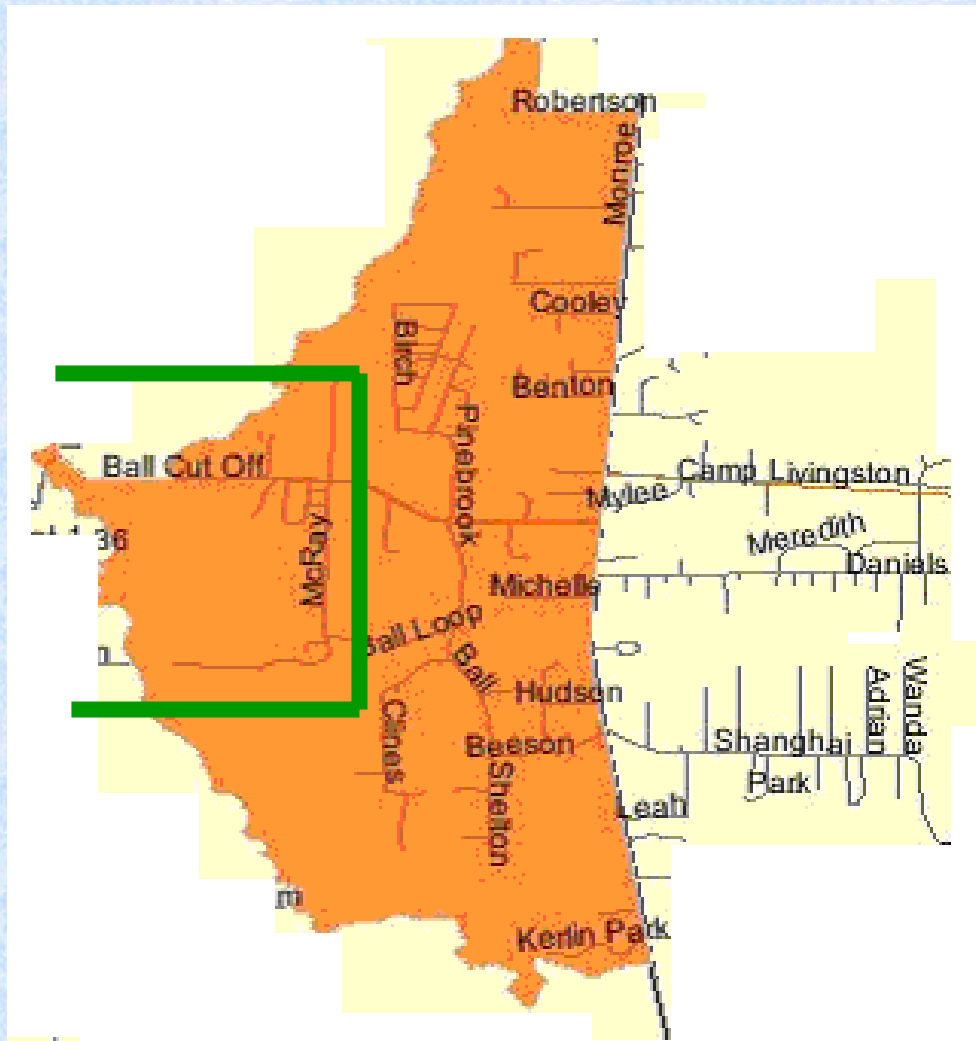




**The balance of the  
LOGRECNO will be 51%**



**What If the excluded Area of the LOGRECNO has more than 88 persons?**



Suppose the excluded Area has 140 persons...

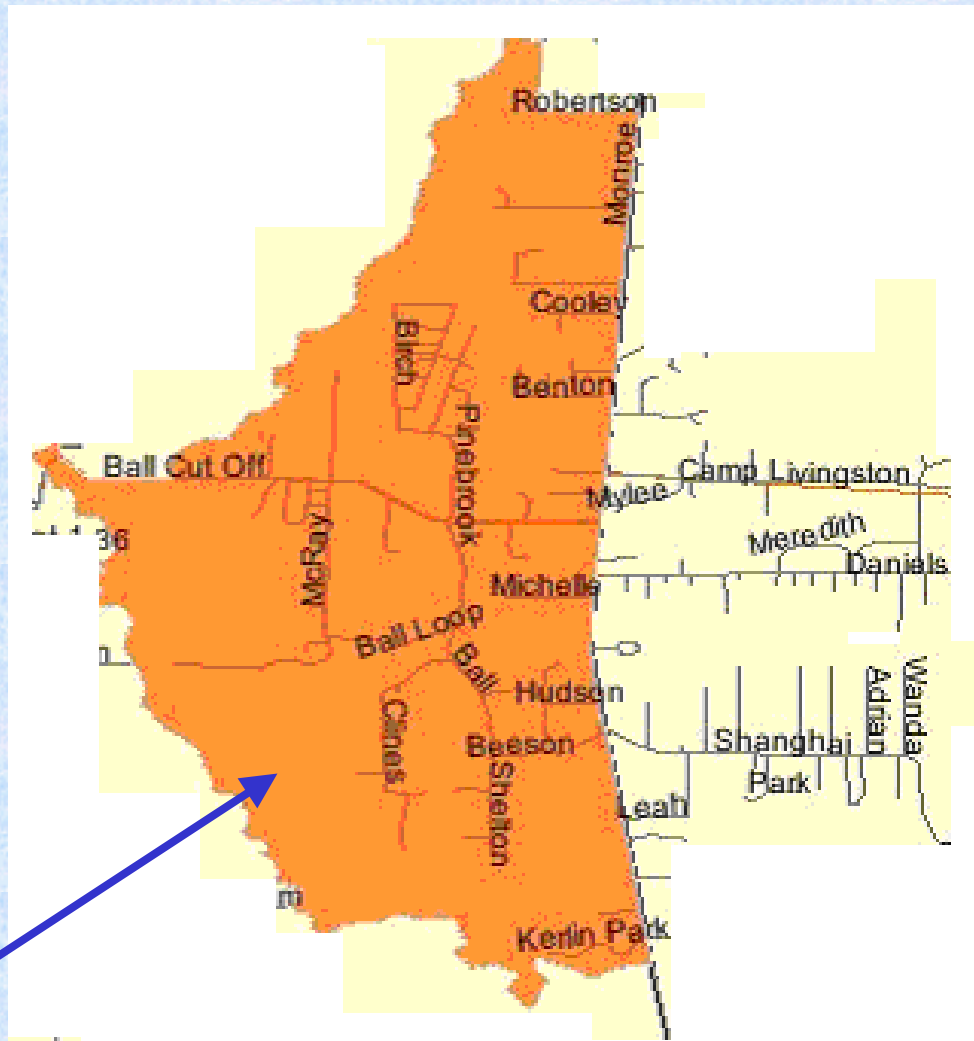
|  |           |        |   |  | LOWMOD      | LOWMODUNI | LOWMODPCT |
|--|-----------|--------|---|--|-------------|-----------|-----------|
| LA0017019  | Ball town | 010300 | 1 |  | 684         | 1430      | 47.8      |
|  |           |        |   |  | -26         | -140      | 18.6      |
| Rapides Parish                                       |           |        |   |  |             |           |           |
| Cumulative Low Mod Persons                           |           |        |   |  | 658         |           |           |
| Cumulative Total Persons                             |           |        |   |  | 1,290       |           |           |
| <b>Cumulative LOW MOD Percent</b>                    |           |        |   |  | <b>51.0</b> |           |           |
| Maximum Additional ABOVE Persons                     |           |        |   |  | 658         |           | <b>1</b>  |
| for Project Area to be 51%                           |           |        |   |  | 1,291       |           | 51.0      |
|  |           |        |   |  | LOWMOD      | LOWMODUNI | LOWMODPCT |
| Pro rated Partial LOGRECNO                           |           |        |   |  | #DIV/0!     | #DIV/0!   | 0         |
| <b>Minimum Excessive Above Persons (if negative)</b> |           |        |   |  |             |           | <b>1</b>  |

**When the number of excluded Persons is greater than the MINIMUM Number....**

|  |           |        |   |  | LOWMOD      | LOWMODUNI | LOWMODPCT |
|--|-----------|--------|---|--|-------------|-----------|-----------|
| LA0017019  | Ball town | 010300 | 1 |  | 584         | 430       | 47.8      |
|  |           |        |   |  | -26         | -140      | 18.6      |
| Rapides Parish                                       |           |        |   |  |             |           |           |
| Cumulative Low Mod Persons                           |           |        |   |  | 658         |           |           |
| Cumulative Total Persons                             |           |        |   |  | 1,290       |           |           |
| <b>Cumulative LOW MOD Percent</b>                    |           |        |   |  | <b>51.0</b> |           |           |
| Maximum Additional ABOVE Persons                     |           |        |   |  | 658         |           | <b>1</b>  |
| for Project Area to be 51%                           |           |        |   |  | 1,291       |           | 51.0      |
|  |           |        |   |  | LOWMOD      | LOWMODUNI | LOWMODPCT |
| Pro rated Partial LOGRECNO                           |           |        |   |  | #DIV/0!     | #DIV/0!   | 0         |
| <b>Minimum Excessive Above Persons (if negative)</b> |           |        |   |  | <b>1</b>    |           |           |

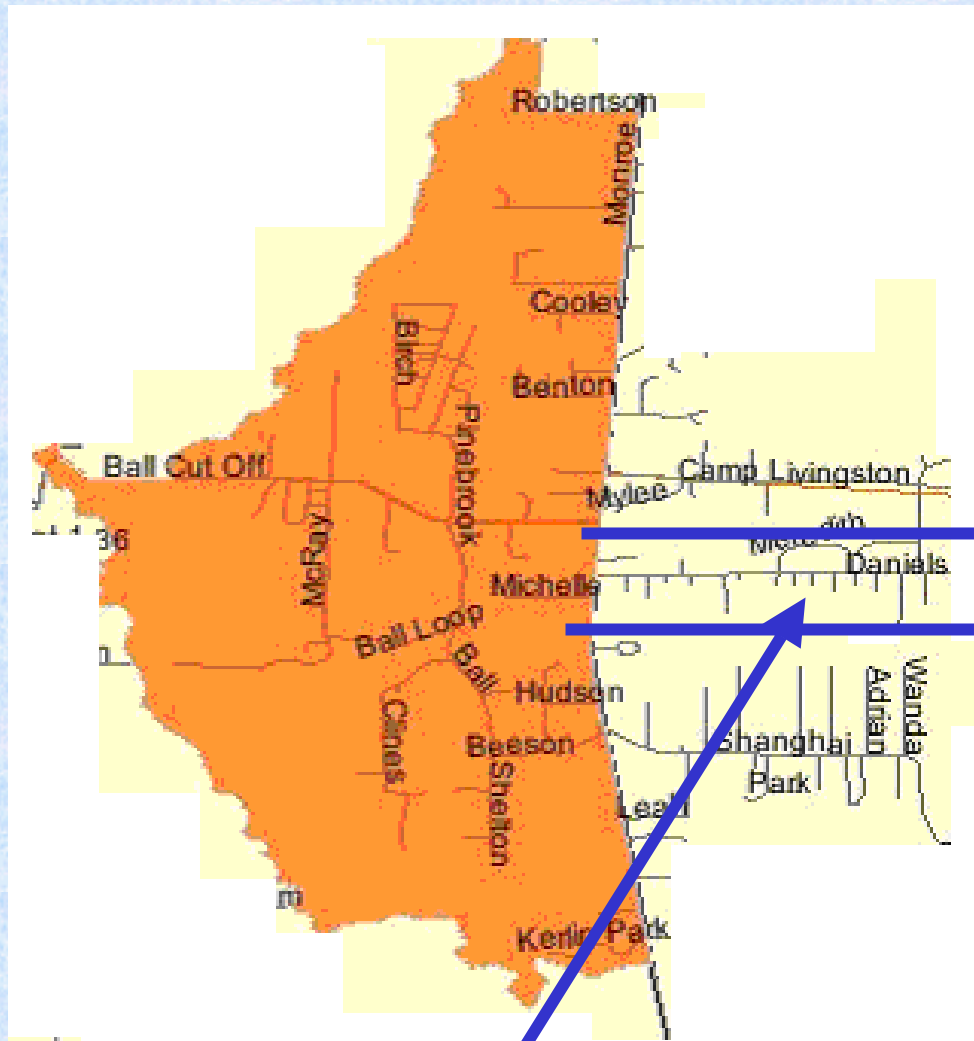
**It is not necessary for all the excluded persons to be ABOVE**

**Different  
Example:**



**LOGRECNO is 47.8% LM and  
all will be in Target Area**

This time an Area will be added



Area to be added to Target Area

**How many LM Persons (HU's)  
need to be added to the  
LOGRECNO to bring the Target  
Area to 51.0% ?**

# LOW MOD Calculator

- Determine the minimum number of ABOVE persons to be added when the LOGRECNO(s) are less than 51%

|   |
|---|
| <b>Minimum Additional LM Persons</b><br>(If Cumulative LOWMOD is less than 51%) |
|---|

92

92

|           |  |           |        |   | LOWMOD | LOWMODUNIV | LOWMODPCT |
|-----------|--|-----------|--------|---|--------|------------|-----------|
| LAD017019 |  | Ball town | 010300 | 1 | 684    | 1430       | 47.8      |
|           |  |           |        |   |        |            |           |

Rapides Parish

|   |             |            |
|---|-------------|------------|
| Cumulative Low Mod Persons                    | 684         |            |
| Cumulative Total Persons                      | 1,430       |            |
| <b>Cumulative LOW MOD Percent</b>             | <b>47.8</b> |            |
| Maximum Additional ABOVE Persons              | 684         | <b>-88</b> |
| for Project Area to be 51%                    | 1,342       | 51.0       |
|   | LOWMOD      | LOWMODUNIV |
| Pro rated Partial LOGRECNO                    | #DIV/0!     | #DIV/0!    |
|   |             | LOWMODPCT  |
|   |             | 0          |
| Minimum Excessive Above Persons (if negative) |             | -88        |
| <b>Minimum Additional LM Persons</b>          | <b>92</b>   | <b>92</b>  |
| (If Cumulative LOWMOD is less than 51%)       |             |            |

|           |  |           |        |   | LOWMOD | LOWMODUNI | LOWMODPCT |
|-----------|--|-----------|--------|---|--------|-----------|-----------|
| LAD017019 |  | Ball town | 010300 | 1 | 684    | 1430      | 47.8      |
|           |  |           |        |   |        |           |           |

Rapides Parish

|   |             |            |
|---|-------------|------------|
| Cumulative Low Mod Persons                    | 684         |            |
| Cumulative Total Persons                      | 1,430       |            |
| <b>Cumulative LOW MOD Percent</b>             | <b>47.8</b> |            |
| Maximum Additional ABOVE Persons              | 684         | <b>-88</b> |
| for Project Area to be 51%                    | 1,342       | 51.0       |
|   | LOWMOD      | LOWMODUNIV |
| Pro rated Partial LOGRECNO                    | #DIV/0!     | #DIV/0!    |
|   | LOWMODPCT   |            |
|   |             | 0          |
| Minimum Excessive Above Persons (if negative) |             | -88        |
| <b>Minimum Additional LM Persons</b>          | <b>92</b>   | <b>92</b>  |
| (If Cumulative LOWMOD is less than 51%)       |             |            |

**Minimum Number of LM and ABOVE to be added to make Target Area 51%**

|           |  |           |        |   | LOWMOD | LOWMODUNI | LOWMODPCT |
|-----------|--|-----------|--------|---|--------|-----------|-----------|
| LA0017019 |  | Ball town | 010300 | 1 | 684    | 1430      | 47.8      |
|           |  |           |        |   | 92     | 92        | 100.0     |

Rapides Parish

|   |             |            |
|---|-------------|------------|
| Cumulative Low Mod Persons                    | 776         |            |
| Cumulative Total Persons                      | 1,522       |            |
| <b>Cumulative LOW MOD Percent</b>             | <b>51.0</b> |            |
| Maximum Additional ABOVE Persons              | 776         | 1          |
| for Project Area to be 51%                    | 1,523       | 51.0       |
|   | LOWMOD      | LOWMODUNIV |
| Pro rated Partial LOGRECNO                    | #DIV/0!     | #DIV/0!    |
|   | LOWMODPCT   |            |
|   |             | 0          |
| Minimum Excessive Above Persons (if negative) |             | 1          |
| <b>Minimum Additional LM Persons</b>          | <b>0</b>    | <b>0</b>   |
| (If Cumulative LOWMOD is less than 51%)       |             |            |

Enter both LM and ABOVE on Spreadsheet

|           |  |           |        |   | LOWMOD | LOWMODUNI | LOWMODPCT |
|-----------|--|-----------|--------|---|--------|-----------|-----------|
| LAD017019 |  | Ball town | 010300 | 1 | 684    | 1430      | 47.8      |
|           |  |           |        |   | 92     | 92        | 100.0     |

Rapides Parish

|   |             |           |           |
|---|-------------|-----------|-----------|
| Cumulative Low Mod Persons                    | 776         |           |           |
| Cumulative Total Persons                      | 1,522       |           |           |
| <b>Cumulative LOW MOD Percent</b>             | <b>51.0</b> |           |           |
| Maximum Additional ABOVE Persons              | 776         | 1         |           |
| for Project Area to be 51%                    | 1,523       | 51.0      |           |
|   | LOWMOD      | LOWMODUNI | LOWMODPCT |
| Pro rated Partial LOGRECNO                    | #DIV/0!     | #DIV/0!   | 0         |
| Minimum Excessive Above Persons (if negative) |             |           | 1         |
| <b>Minimum Additional LM Persons</b>          | <b>0</b>    | <b>0</b>  |           |
| (If Cumulative LOWMOD is less than 51%)       |             |           |           |

The LOW MOD % is re-calculated

|           |  |           |        |   | LOWMOD | LOWMODUNIV | LOWMODPCT |
|-----------|--|-----------|--------|---|--------|------------|-----------|
| LA0017019 |  | Ball town | 010300 | 1 | 684    | 1430       | 47.8      |
|           |  |           |        |   | 116    | 140        | 82.9      |

| Rapides Parish                                |             |          |            |
|---|-------------|----------|------------|
| Cumulative Low Mod Persons                    | 800         |          |            |
| Cumulative Total Persons                      | 1,570       |          |            |
| <b>Cumulative LOW MOD Percent</b>             | <b>51.0</b> |          |            |
| Maximum Additional ABOVE Persons              | 800         |          | <b>0</b>   |
| for Project Area to be 51%                    | 1,570       |          | 51.0       |
|   |             | LOWMOD   | LOWMODUNIV |
| Pro rated Partial LOGRECNO                    |             | #DIV/0!  | #DIV/0!    |
|   |             |          | LOWMODPCT  |
|   |             |          | 0          |
| Minimum Excessive Above Persons (if negative) |             |          | 0          |
| <b>Minimum Additional LM Persons</b>          | <b>1</b>    | <b>1</b> |            |
| (If Cumulative LOWMOD is less than 51%)       |             |          |            |

When the number of total persons exceeds the minimum...

|           |           |        |   |  | LOWMOD | LOWMODUNIV | LOWMODPCT |
|-----------|-----------|--------|---|--|--------|------------|-----------|
| LA0017019 | Ball town | 010300 | 1 |  | 684    | 1430       | 47.8      |
|           |           |        |   |  | 116    | 140        | 82.9      |

Rapides Parish

|   |             |            |
|---|-------------|------------|
| Cumulative Low Mod Persons                    | 800         |            |
| Cumulative Total Persons                      | 1,570       |            |
| <b>Cumulative LOW MOD Percent</b>             | <b>51.0</b> |            |
| Maximum Additional ABOVE Persons              | 800         | <b>0</b>   |
| for Project Area to be 51%                    | 1,570       | 51.0       |
|   | LOWMOD      | LOWMODUNIV |
| Pro rated Partial LOGRECNO                    | #DIV/0!     | #DIV/0!    |
|   | LOWMODPCT   |            |
|   |             | 0          |
| Minimum Excessive Above Persons (if negative) |             | 0          |
| <b>Minimum Additional LM Persons</b>          | <b>1</b>    | <b>1</b>   |
| (If Cumulative LOWMOD is less than 51%)       |             |            |

...it is not necessary for all person to be LOW MOD

|           |  |           |        |   | LOWMOD | LOWMODUNI | LOWMODPCT |
|-----------|--|-----------|--------|---|--------|-----------|-----------|
| LA0017019 |  | Ball town | 010300 | 1 | 684    | 1430      | 47.8      |
|           |  |           |        |   |        |           |           |

Rapides Parish

|  |             |            |           |
|--|-------------|------------|-----------|
| Cumulative Low Mod Persons                     | 684         |            |           |
| Cumulative Total Persons                       | 1,430       |            |           |
| <b>Cumulative LOW MOD Percent</b>              | <b>47.8</b> |            |           |
| Maximum Additional ABOVE Persons               | 684         | <b>-88</b> |           |
| for Project Area to be 51%                     | 1,342       | 51.0       |           |
|  | LOWMOD      | LOWMODUNI  | LOWMODPCT |
| Pro rated Partial LOGRECNO                     | #DIV/0!     | #DIV/0!    | 0         |
| Minimum Excessive Above Persons (if negative)  |             | -88        |           |
| <b>Minimum Additional LM Persons</b>           | <b>92</b>   | <b>92</b>  |           |
| <b>(If Cumulative LOWMOD is less than 51%)</b> |             |            |           |

When entering the adjusting numbers to determine what results in exactly 51% it may be necessary to add or subtract 1 or 2 because of rounding.

# The End of the LOW MOD Calculator



**L.C.D.B.G.**