For Educational Purposes Only:

The material within is intended to give the course participant a solid understanding of general principles in the subject area. As such, the material may not necessarily reflect the official procedures and policies of the Georgia Department of Revenue or the Department's official interpretation of the laws of the State of Georgia. The application of applicability to specific situations of the theories, techniques, and approaches discussed herein must be determined on a case-by-case basis.

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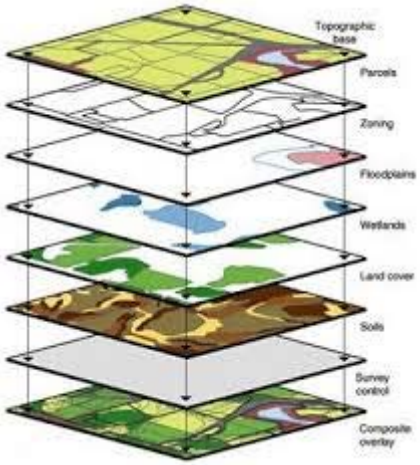
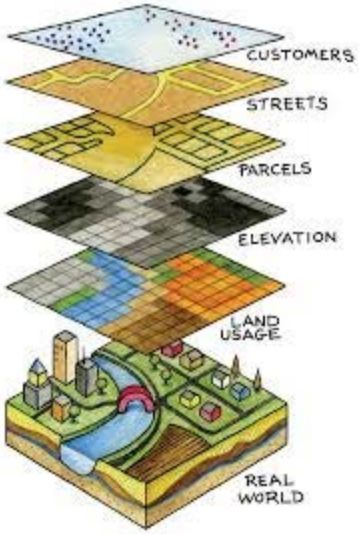
Georgia Department of Revenue



Assessment Administration Strategies for GIS



- **560-11-10-.09(2)(d)1(i): Geographic information.**

Cadastral maps or computerized geographic information systems are to be maintained by the appraisal staff for all real property located in the county. In the event the county governing authority has established a separate mapping office and the maps maintained by such office conform with the requirements of this subparagraph, the appraisal staff may provide relevant information to such mapping office and still be in compliance with this subparagraph.

- **560-11-10-.09(2)(d)1(i): Geographic information (continued).**

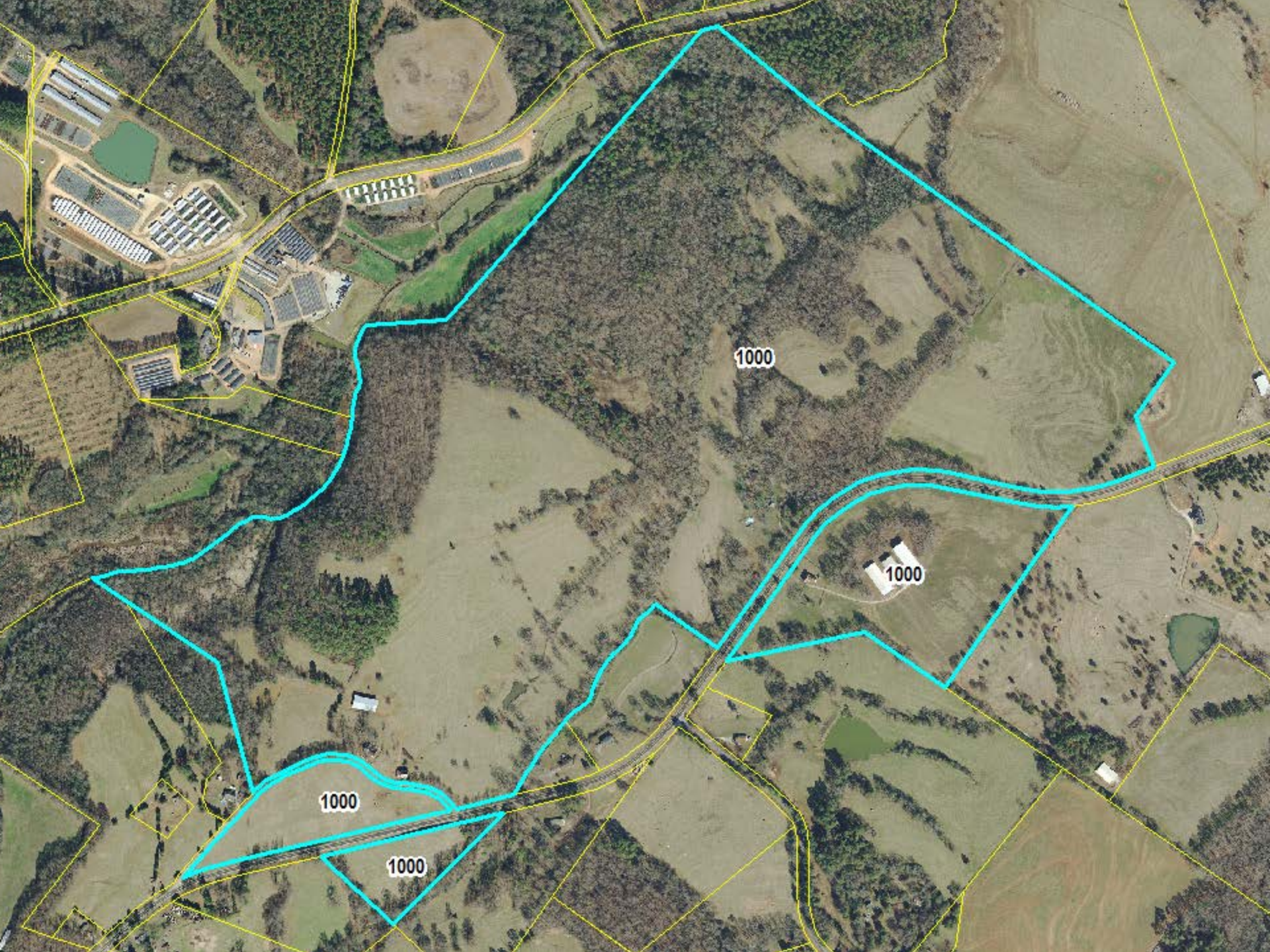
Minimum mapping specifications shall include the following: all streets and roads plotted and identified; property lines delineated for each real property parcel; unique parcel identifier for each parcel; and physical dimensions or acreage estimate for each parcel. The appraisal staff shall use the parcel identifiers to link the real property records to the maps. The appraisal staff shall notify the Revenue Commissioner of all proposed changes to existing parcel-numbering systems before implementing such changes.

Considerations

- Local County Governing Authority or Planning and Zoning Ordinances
  - Splitting or Combining parcels for tax purposes
- In-House County Employee or Vendor (contractor)
  - Communication between TAO and GIS person/persons
  - How is data passed between offices, departments, or to vendor
  - Schedule
  - Special Projects

Potential BOA policies for mapping

- Combining parcels


1000
1000
1000
1000

Potential BOA policies for mapping

- Combining parcels
- **Archiving by Digest Year**

Georgia Department of Revenue

2016_Parcels.shp

=

2016 Digest

Potential BOA policies for mapping

- Combining parcels
- Archiving by Digest Year
- **Rectifying – parcels in CAMA versus parcels mapped**

Georgia Department of Revenue

Query

Realkey	Cnt
	303
70	3
199	2
528	2
540	2
545	3
546	2
563	4
587	2
608	2
611	2
614	2
624	2
634	2
726	2
752	2
800	2
871	3
894	2
896	2
899	2
942	4
959	2
972	2
1000	4
1001	2
1016	2
1026	2
1031	2

Command

```
CD GETDIR()
USE [redacted]Parcels[redacted]
SELECT parcel_no, COUNT(*) FROM [redacted]Parcels[redacted] GROUP BY parcel_no HAVING COUNT(*)>1
SELECT realkey, COUNT(*) FROM [redacted]Parcels[redacted] GROUP BY realkey HAVING COUNT(*)>1
```

	A	B	C
1	real_key	cnt	
2		238	
3	0	2	
4	1000	4	
5	1001	2	
6	10029	2	
7	10035	2	
8	10054	4	
9	10060	2	
10	10070	3	
11	10157	3	
12	1016	2	
13	10190	2	
14	10200	2	
15	10232	3	
16	10233	3	
17	1026	2	
18	10285	2	
19	10293	2	
20	1031	2	
21	10327	2	
22	10376	2	

Potential BOA policies for mapping

- Combining parcels
- Archiving by Digest Year
- Rectifying – parcels in CAMA versus parcels mapped
- **Revaluation projects**

SQLQuery1.sql - lo...(LOVETT\Mark (54))*

```sql
select REALKEY
     , month(saledate) as MTH
     , datename(m,SALEDATE) + ' '+ cast(datepart(yyyy,saledate) as varchar) as MonthYear
     , SALEPRICE
     , SALESADJ
     , NET_SP
     , reason
from saleinfo
where year(SALEDATE) = 2014 and SALEPRICE > 0
```

100 %

Results | Messages

	REALKEY	MTH	MonthYear	SALEPRICE	SALESADJ	NET_SP	reason
1	14252	3	March 2014	86451	0	86451	FD
2	17895	1	January 2014	232000	0	232000	FM
3	19463	1	January 2014	91000	0	91000	FD
4	13447	1	January 2014	75000	0	75000	FD
5	11390	1	January 2014	95000	0	95000	FD
6	19464	1	January 2014	25000	0	25000	FD
7	19465	1	January 2014	25000	0	25000	FD
8	19466	1	January 2014	25000	0	25000	FD
9	19467	1	January 2014	25000	0	25000	FD
10	19469	1	January 2014	25000	0	25000	FD
11	19473	1	January 2014	25000	0	25000	FD
12	19470	1	January 2014	25000	0	25000	FD
13	19471	1	January 2014	25000	0	25000	FD

ratiosd240.xlsx [Read-Only] - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW

Paste Cut Copy Format Painter Clipboard

Calibri 11 Font

Wrap Text Merge & Center Alignment

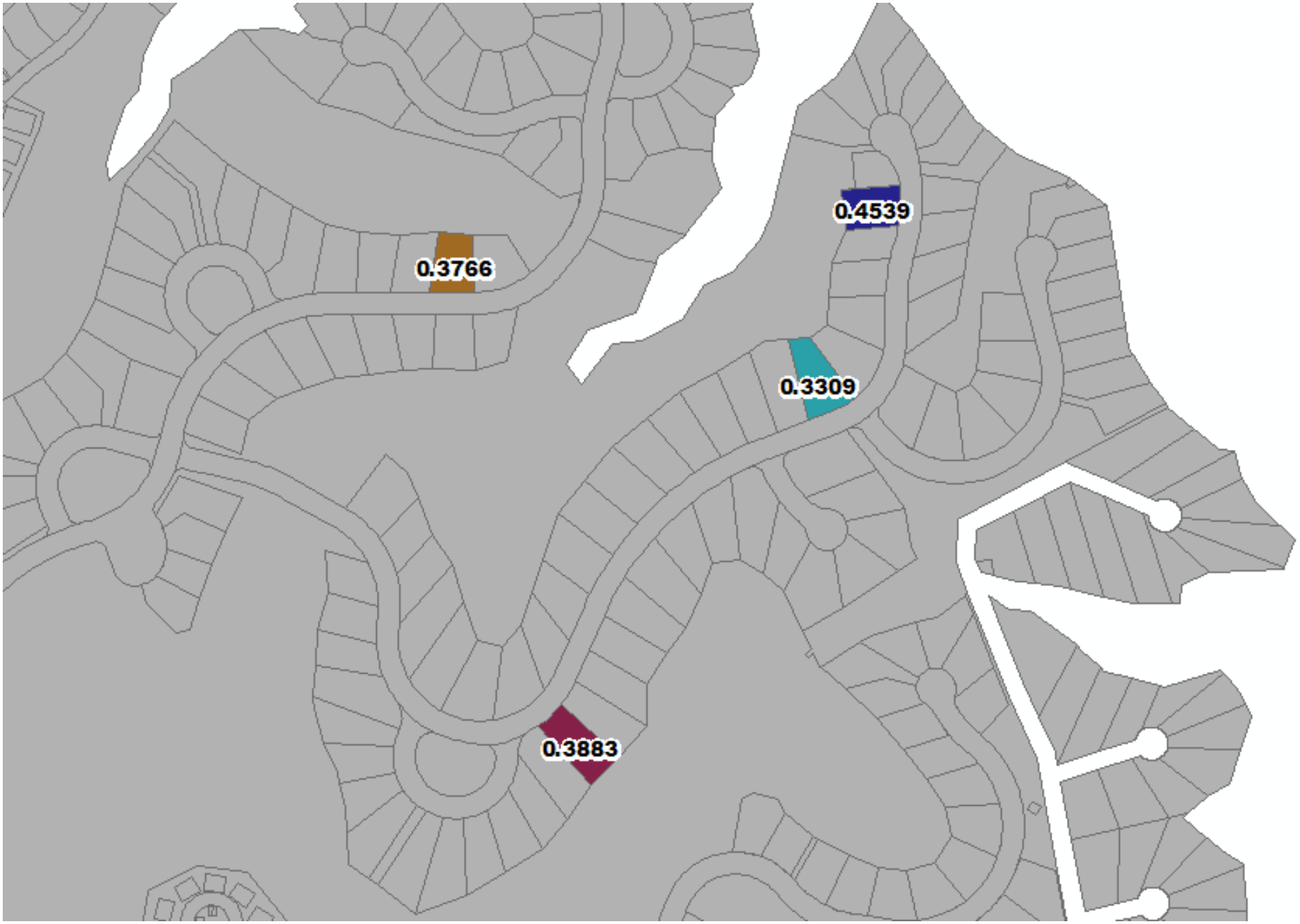
Number Number

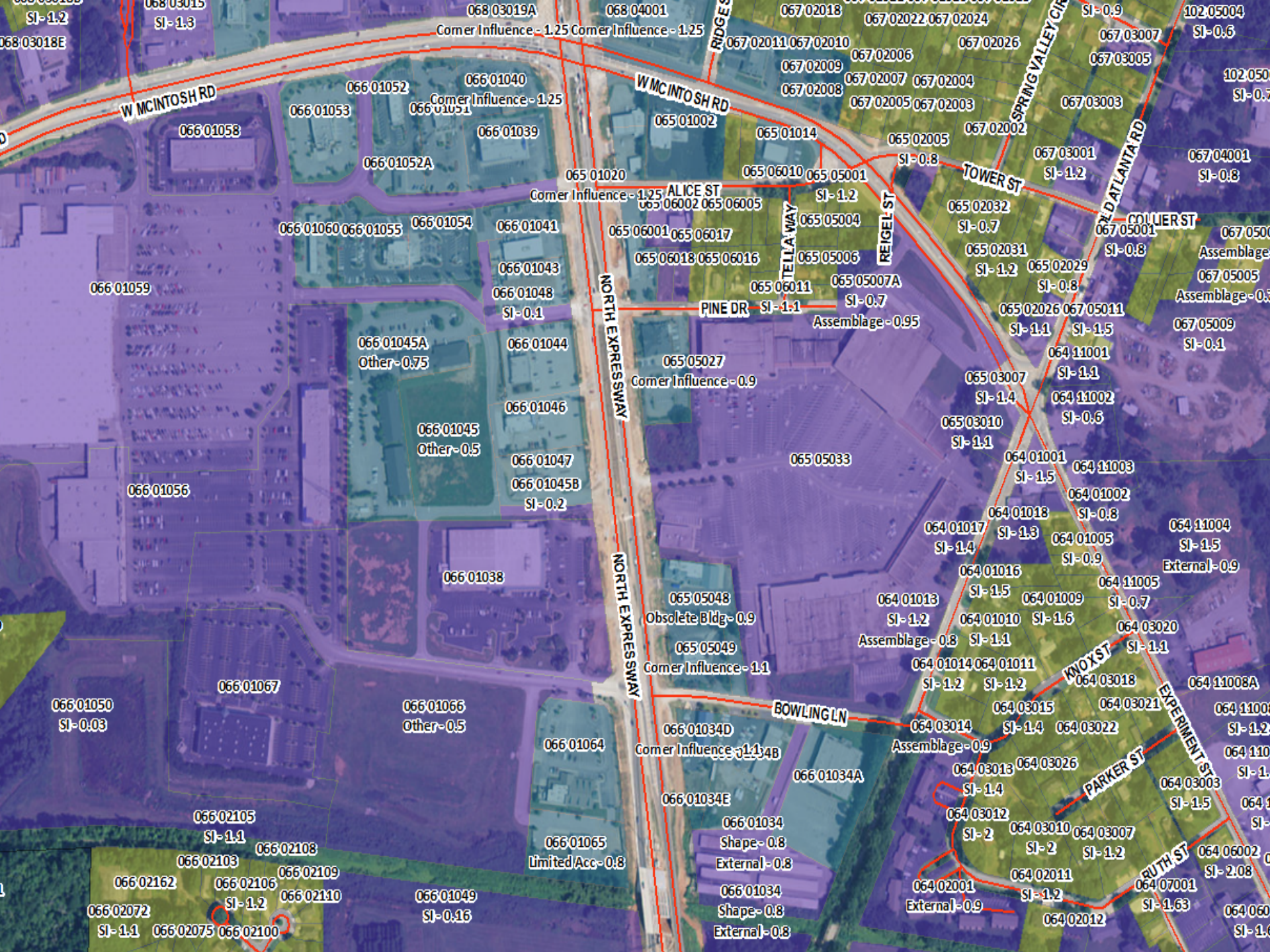
Conditional Formatting Format as Table

Normal Bad Neutral Calcula Styles

Q14

	A	B	C	D	E	P	Q
1	SALEKEY	REALKEY	GRANTEE	GRANTOR	SALEDATE	RATIO	PARCEL_NO
2	78295	16893	PHILLIPS JEFFREY C & CHERYL W	DECATUR PROPERTIES II INC	7/31/2012	0.3309	056I001590
3	77804	15738	CRAWFORD ALAN B & CAROLE B DODSON	THOMAIER ROBERT & LISA	7/11/2012	0.3766	056I000290
4	77864	16846	HOME SWEET CUSTOM HOMES LLC	URRUTIA KEVIN R	6/4/2012	0.3883	056I001120
5	77884	16888	PERKINS HAPPY R	HAMILTON STATE BANK	4/5/2012	0.4539	056I001540
6							
7							
8							
9							
10							
11							
12							


0.4539
0.3766
0.3309
0.3883


W MCINTOSH RD
NORTH EXPRESSWAY
ALICE ST
PINE DR
BOWLING LN
TOWER ST
COLLIER ST
OLD ATLANTA RD
SPRING VALLEY CIR
RIDGE S
TELLA WAY
REIGEL ST
KNOX ST
PARKER ST
EXPERIMENT ST
RUTH ST
068 03019A
Corner Influence - 1.25
068 04001
Corner Influence - 1.25
068 03018E
068 03015
SI - 1.3
SI - 1.2
066 01052
066 01040
Corner Influence - 1.25
066 01053
066 01051
066 01058
066 01039
066 01052A
066 01060
066 01055
066 01054
066 01041
066 01059
066 01043
066 01048
SI - 0.1
066 01045A
Other - 0.75
066 01044
066 01046
066 01045
Other - 0.5
066 01047
066 01045B
SI - 0.2
066 01056
066 01038
066 01067
066 01050
SI - 0.03
066 01066
Other - 0.5
066 01064
066 02105
SI - 1.1
066 02108
066 02103
066 02109
066 02162
066 02106
SI - 1.2
066 02110
066 02072
SI - 1.1
066 02075
066 02100
066 01049
SI - 0.16
066 01065
Limited Acc - 0.8
065 01002
065 01014
065 01020
Corner Influence - 1.25
065 06010
065 05001
SI - 1.2
065 06002
065 06005
065 05004
065 06001
065 06017
065 06018
065 06016
065 05006
065 06011
SI - 1.1
065 05007A
SI - 0.7
Assemblage - 0.95
065 05027
Corner Influence - 0.9
065 05033
065 05048
Obsolete Bldg - 0.9
065 05049
Corner Influence - 1.1
066 01034D
Corner Influence - 1.1
066 01034B
066 01034A
066 01034E
066 01034
Shape - 0.8
External - 0.8
066 01034
Shape - 0.8
External - 0.8
067 02018
067 02022
067 02024
067 02011
067 02010
067 02026
067 02006
067 02009
067 02008
067 02007
067 02004
067 02005
067 02003
067 02002
065 02005
SI - 0.8
067 03001
SI - 1.2
065 02032
SI - 0.7
065 02031
SI - 1.2
065 02029
SI - 0.8
065 02026
SI - 1.1
067 05011
SI - 1.5
064 11001
SI - 1.1
065 03007
SI - 1.4
064 11002
SI - 0.6
065 03010
SI - 1.1
064 01001
SI - 1.5
064 11003
064 01002
SI - 0.8
064 01018
SI - 1.3
064 01017
SI - 1.4
064 01005
SI - 0.9
064 11004
SI - 1.5
External - 0.9
064 01016
SI - 1.5
064 11005
SI - 0.7
064 01013
SI - 1.2
Assemblage - 0.8
064 01009
SI - 1.6
064 01010
SI - 1.1
064 03020
SI - 1.1
064 01014
SI - 1.2
064 01011
SI - 1.2
064 03018
064 11008A
064 03015
SI - 1.4
064 03021
064 03014
Assemblage - 0.9
064 03022
064 03013
SI - 1.4
064 03026
064 03003
SI - 1.5
064 03012
SI - 2
064 03010
SI - 2
064 03007
SI - 1.2
064 06002
SI - 2.08
064 02011
SI - 1.2
064 02001
External - 0.9
064 07001
SI - 1.63
064 02012
067 03007
067 03005
067 03003
067 04001
SI - 0.8
067 05001
SI - 0.8
067 05005
Assemblage - 0.5
067 05009
SI - 0.1
102 05004
SI - 0.6

Potential BOA policies for mapping

- Combining parcels
- Archiving by Digest Year
- Rectifying – parcels in CAMA versus parcels mapped
- Revaluation projects
- **Aerial photography/pictometry**

Georgia Department of Revenue

Potential BOA policies for mapping

- Combining parcels
- Archiving by Digest Year
- Rectifying – parcels in CAMA versus parcels mapped
- Revaluation projects
- Aerial photography/pictometry
- **Quality Control**

Catalog

Location: Connection to lovett.sde

- Home - Burke\MXDs
- Folder Connections
  - D:\GIS Data
- Toolboxes
- Database Servers
- Database Connections
  - Add Database Connection
  - Connection to lovett.sde
    - Burke2015.dbo.ABOSNOHIT
    - Burke2015.dbo.ACC_CTRL
    - Burke2015.dbo.ACC_IMPR
    - Burke2015.dbo.ACC_TBLS
    - Burke2015.dbo.ACCDES
    - Burke2015.dbo.ACESSORY
    - Burke2015.dbo.AIRCRAFT
    - Burke2015.dbo.APMDEPR
    - Burke2015.dbo.APPEALS
    - Burke2015.dbo.ASMT_CHG_LIST
    - Burke2015.dbo.ASMTRSN
    - Burke2015.dbo.AUDIT
    - Burke2015.dbo.AUDIT_DETL
    - Burke2015.dbo.AUDIT_INFO
    - Burke2015.dbo.AVIONICS
    - Burke2015.dbo.BASECTRL
    - Burke2015.dbo.BOAT
    - Burke2015.dbo.BUSI_LICENSE
    - Burke2015.dbo.BUSI_TYPE
    - Burke2015.dbo.CALCEXEMPTIONS
    - Burke2015.dbo.CAREAPRM
    - Burke2015.dbo.COA_PP
    - Burke2015.dbo.COA_RP
    - Burke2015.dbo.COMMADDS

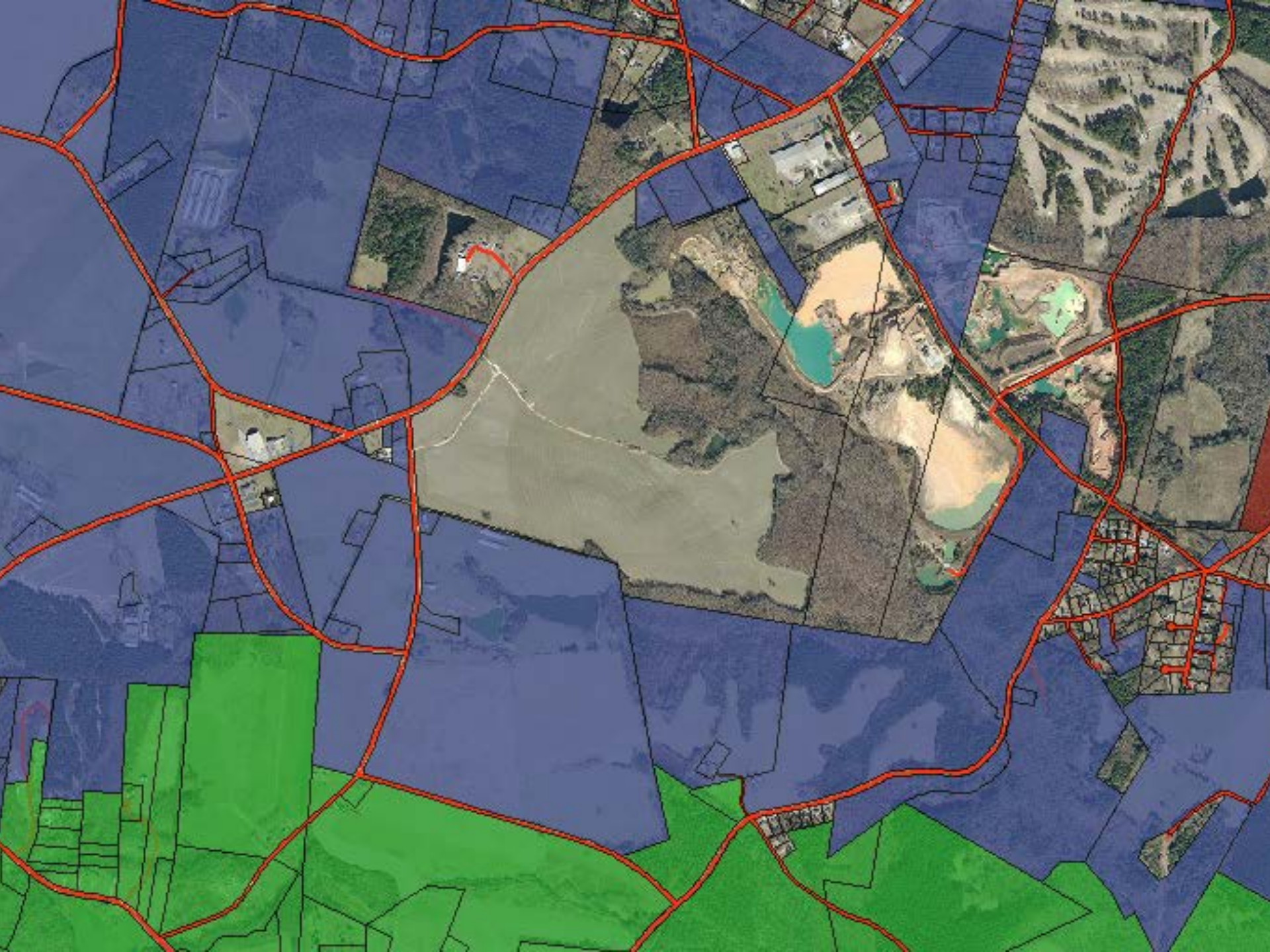
Identify

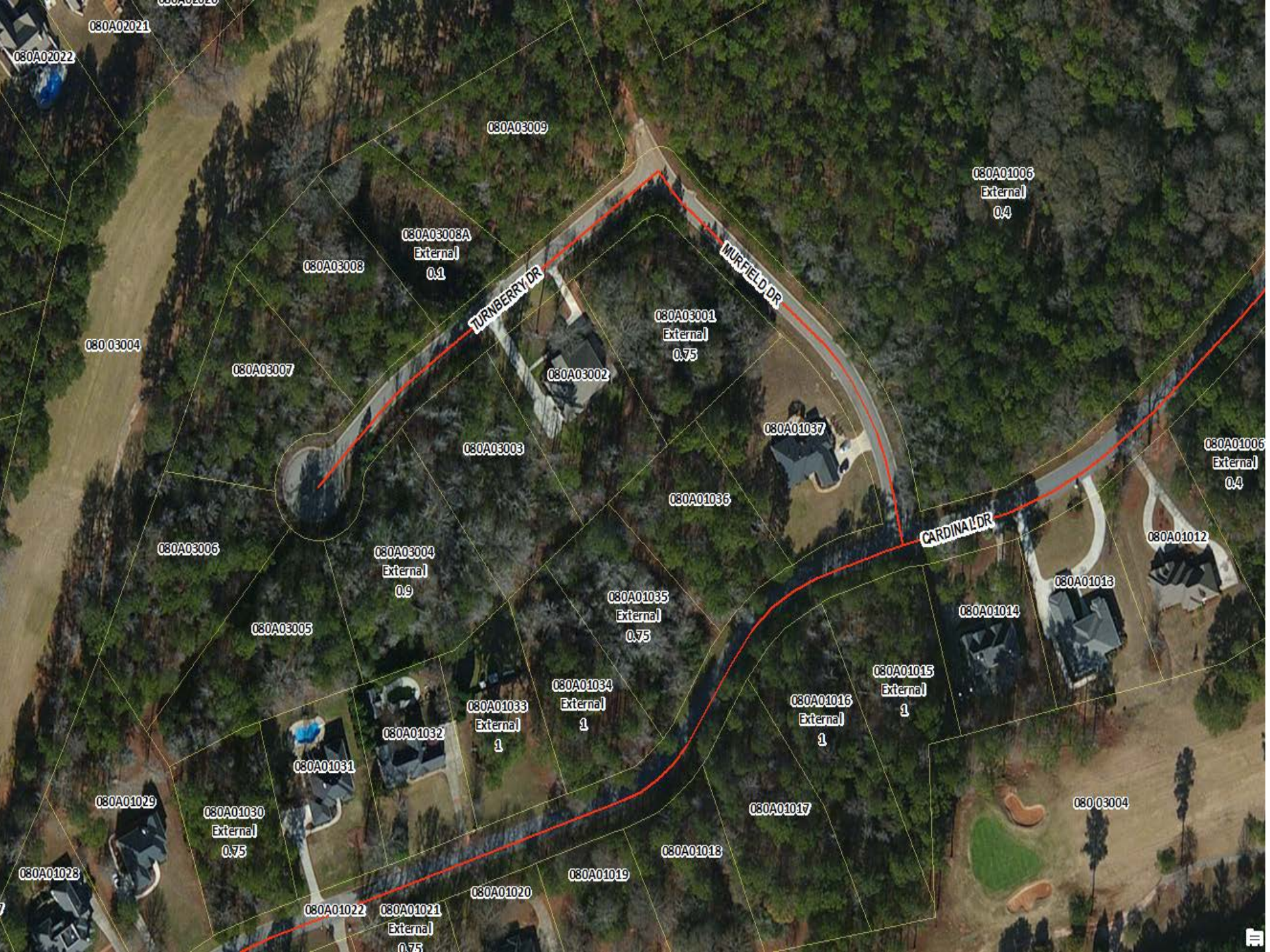
Identify from: <Top-most layer>

- burkeparcels
  - 14238

Location: 794,995.454 1,108,061.948 Feet

Field	Value
FID	4805
Shape	Polygon
REALKEY	14238
CALCAC	1.4807
LASTNAME	MACKY HARRY L
ADDRESS1	591 BIRD DR
CITY	HARLEM
STATE	GA
zip	30814
REALKEY	14238
PARCEL_NO	G01 069A
TOTALACRES	1.42
TAXDISTRIC	01




080A02021
080A02022
080A03009
080A01006
External
0.4
080A03008A
External
0.1
080A03008
TURNBERRY DR
MURFIELD DR
080A03001
External
0.75
080 03004
080A03007
080A03002
080A01037
080A03003
080A01006
External
0.4
080A01036
CARDINAL DR
080A01012
080A03006
080A03004
External
0.9
080A01013
080A01035
External
0.75
080A01014
080A03005
080A01015
External
1
080A01034
External
1
080A01016
External
1
080A01033
External
1
080A01032
080A01031
080A01029
080A01030
External
0.75
080A01017
080 03004
080A01018
080A01028
080A01019
080A01020
080A01022
080A01021
External
0.75

014 26001
SI - 1.8
Assemblage - 0.95
014 26001B
SI - 1.5
Assemblage - 0.95
014 26001C
SI - 1.3
Assemblage - 0.7
014 26001A
SI - 0.5
014 26001D
SI - 1.5
Assemblage - 0.7
014 26001E
SI - 1.5
014 26001F
SI - 1.5
Assemblage - 0.7
018 27009
SI - 0.6
018 27010
SI - 0.6
018 27011
SI - 0.9
018 27012
018 27013
018 27014
Assemblage - 0.95
018 27015
SI - 0.9
018 27016
018 27008
SI - 0.8
018 27018
018 27007
SI - 0.5
018 27020
SI - 1.2
018 27007A
SI - 0.5
Other - 0.5
018 27019
SI - 2
E CENTRAL AVE
N 4TH ST
N 5TH ST
014 26007
SI - 1.5
Assemblage - 0.95
014 26008
SI - 0.7
014 26012
SI - 0.8
Assemblage - 0.95
014 26002A
SI - 2.5
014 26006
SI - 0.8
Assemblage - 0.95
014 26004
SI - 1.5
Assemblage - 0.95
014 26010
SI - 1.1
014 26003
SI - 1.1
Assemblage - 0.95
014 26009
014 26005
SI - 0.6
Assemblage - 0.5
014 26002
SI - 1.5
018 27006
018 27005
SI - 1.8
Absorption - 0.95
018 27004
SI - 1.8
Assemblage - 0.95
018 27001A
SI - 0.9
Assemblage - 0.95
018 27002
018 27003
SI - 1.1
E BROADWAY ST

Potential BOA policies for mapping

- Combining parcels
- Archiving by Digest Year
- Rectifying – parcels in CAMA versus parcels mapped
- Revaluation projects
- Aerial photography/pictometry
- Quality Control
- **Updates to Land Use and/or Soil Productivity**

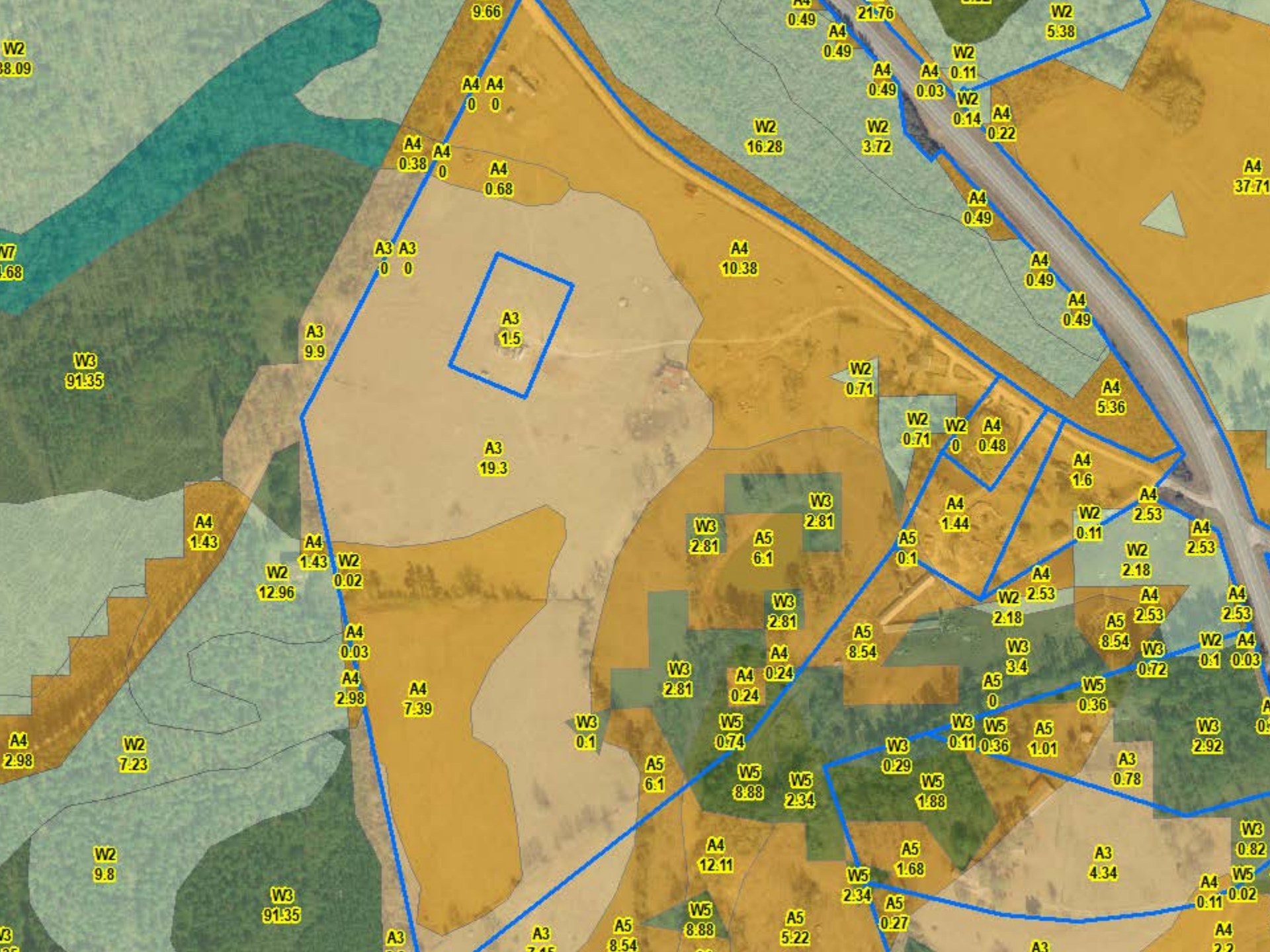
48-5-269. Authority to promulgate rules and regulations regarding uniform books, records, forms, and manuals; limits on change in current use value of conservation use property.

(4) Prescription of methods and procedures by which identification data, appraisal and assessment data, sales data, and any other information relating to the appraisal and assessment of property shall be furnished to the department using electronic data processing systems and equipment.

(b) The commissioner shall promulgate after consultation with the Department of Agriculture, the Georgia Agricultural Statistical Service, the Georgia Forestry Commission, the Department of Natural Resources, and the Cooperative Extension Service, and county tax officials shall follow uniform rules and regulations establishing a table of values for the current use value of bona fide conservation use property. Such rules and regulations shall apply to the evaluation of bona fide conservation use property, exclusive of any improvements thereon, which improvements shall have their current use value determined as otherwise provided by law.

560-11-6-.07 Valuation of Qualified Property.

(a) Conservation use land shall be divided into two use groups consisting of nine soil productivity classes each. These two use groups shall be agricultural land (crop land and pasture land) and timberland. The Commissioner shall determine the appropriate soil characteristics or site index factors for each of these eighteen soil productivity classes for use as a guide for the assessors. In those counties where the Soil Conservation Service of the U.S. Department of Agriculture has classified the soil according to its productivity, the Commissioner shall instead prepare and publish a table converting the Soil Conservation Service's codes into the eighteen soil productivity classes.


W2
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9.66
A4
0.49
21.76
A4
0.49
W2
5.38
A4
0
A4
0
W2
0.11
A4
0.49
A4
0.03
W2
0.14
A4
0.22
A4
0.38
A4
0
A4
0.68
W2
16.28
W2
3.72
A4
37.71
A4
0.49
W7
.68
A3
0
A3
0
A4
10.38
A4
0.49
A4
0.49
A3
1.5
A3
9.9
W3
91.35
W2
0.71
A4
5.36
W2
0.71
W2
0
A4
0.48
A3
19.3
A4
1.6
A4
1.44
W3
2.81
A4
2.53
W2
0.11
A4
2.53
A4
1.43
W3
2.81
A5
6.1
A5
0.1
W2
2.18
A4
1.43
W2
0.02
W2
12.96
A4
2.53
W2
2.18
A4
2.53
A4
2.53
W3
2.81
A5
8.54
A5
8.54
W3
0.72
W2
0.1
A4
0.03
A4
0.03
A4
0.24
W3
3.4
A4
2.98
A4
7.39
W3
2.81
A4
0.24
A5
0
W5
0.36
W3
0.1
W5
0.74
W3
0.11
W5
0.36
A5
1.01
W3
2.92
A4
2.98
W2
7.23
W3
0.29
A5
6.1
W5
8.88
W5
2.34
W5
1.88
A3
0.78
W3
0.82
W2
9.8
A4
12.11
A5
1.68
A3
4.34
W5
0.02
W5
2.34
A4
0.11
W3
91.35
A5
0.27
W5
8.88
A5
8.54
A5
5.22
A3
A4
2.2

Potential BOA policies for mapping

- Combining parcels
- Archiving by Digest Year
- Rectifying – parcels in CAMA versus parcels mapped
- Revaluation projects
- Aerial photography/pictometry
- Quality Control
- Updates to Land Use and/or Soil Productivity
- **Tracking**

Debug

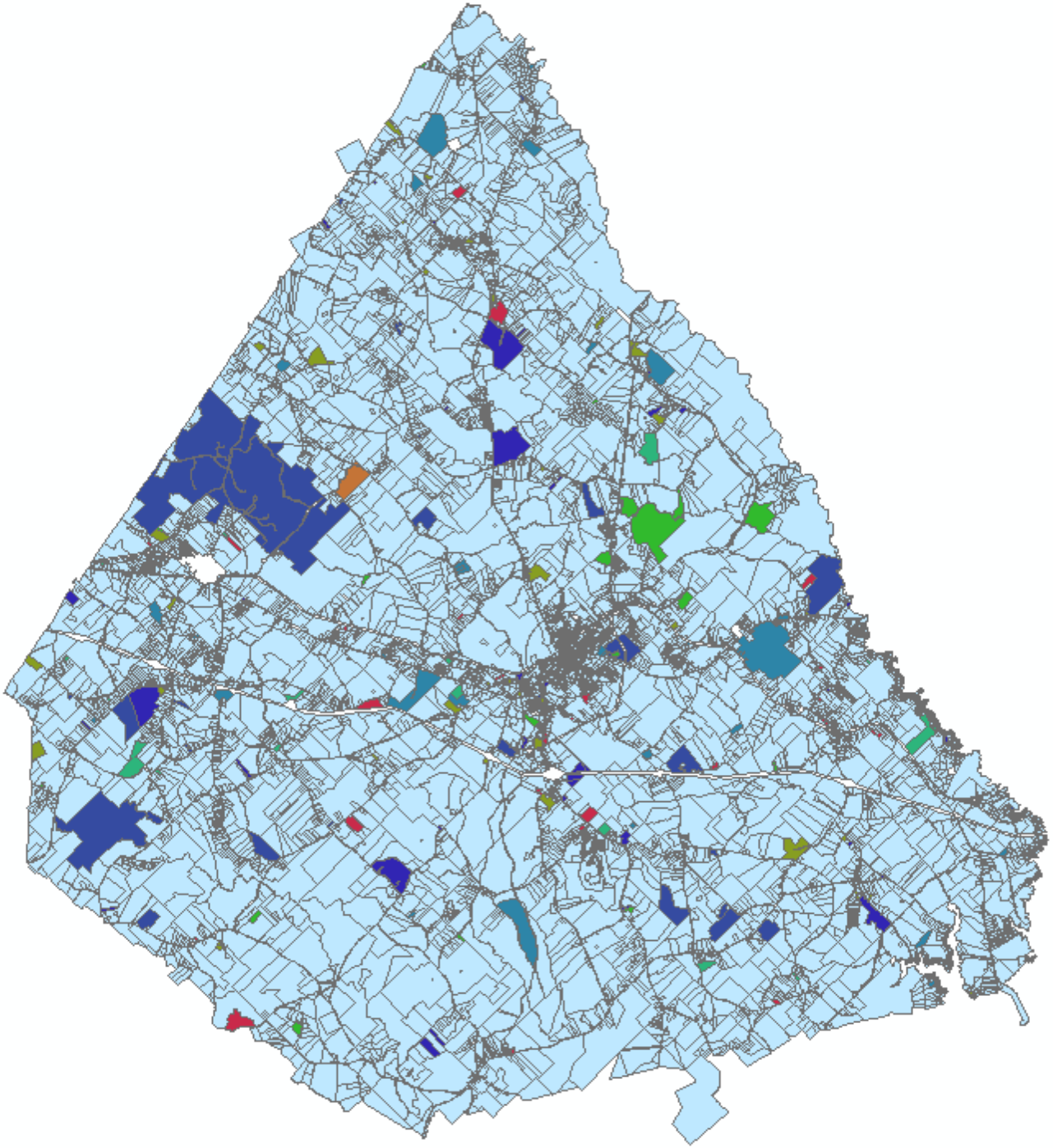
SQLQuery2.sql - lo...(LOVETT\Mark (59))* | SQLQuery1.sql - lo...(LOVETT\Mark (54))*

```sql
select realkey
     , parcel_no
     , month(date_issue) as MTH
     , datename(m,date_issue) + ' '+ cast(datepart(yyyy,date_issue) as varchar) as MonthYear
     , perm_type
     , comments
from permits
where year(DATE_ISSUE) = 2015
```

100 %

Results | Messages

	realkey	parcel_no	MTH	MonthYear	perm_type	comments
1	12737	044 061 C	1	January 2015	POLE BARN	2015 MAY 1 100% 30 X 30 2015 JAN 2 POLE BARN 30 X 40 ...
2	12737	044 061 C	1	January 2015	SINGLE FAMILY	2015 MAY 29 15% SFD FRAMING 2015 MAY 1 3% SLAB POU...
3	1617	018 027	1	January 2015	BARN	2015 JULY 16 CANX BARN PERMIT NOT STARTED 2015 JU...
4	5039	054 052	1	January 2015	POLE BARN	2015 MAY 6 100% 41 X 46 2015 FEBRUARY 5 0% GATE LOC...
5	4206	045 006	1	January 2015	NO PERMIT	2015 JANUARY 6 100% DISCOVERED 14 X 66 MOBILE HOME...
6	6941	M17 074	1	January 2015	ADDITION	2015 APR 27 SIDE ADDITION 100% 2015 MARCH 26 SIDE A...
7	9216	039 048	1	January 2015	SINGLE FAMILY	2015 APRIL 28 0% CLEARING LAND FOR SFD. 2015 JAN 7 S...
8	7861	021 105	1	January 2015	REST ROOM BLD	2015 JULY 20 REST ROOM BLD 100% 2015 MAY 14 REST R...
9	2139	021 106	1	January 2015	BARN	2015 APR 24 BARN 100% 2015 JAN 6 BARN 0% LAND CLEA...
10	8500	003 081	1	January 2015	NO PERMIT	2015 JAN DISCOVERED ADDITION ON REAR -PER OWNER ...
11	10410	046C 032	1	January 2015	SINGLE FAMILY	2015 JULY 16 81% SFD 2015 MAY 4 SFD 60% 2015 JAN 8 SF...
12	8247	037E 018	1	January 2015	COMMERCIAL REMODEL	2015 MAR 31 MARCO'S PIZZA 100% 2015 FEB 3 MARCO'S PI...
13	11128	017 033 H	1	January 2015	BARN	2015 APR 17 BARN 100% 2015 MARCH BARN 60% 2015 FEB...
14	12659	060 052 C	1	January 2015	DRIVEWAY	2015 FEBRUARY 17 100% CURBCUT (DRIVEWAY) RECHECK...



Debug

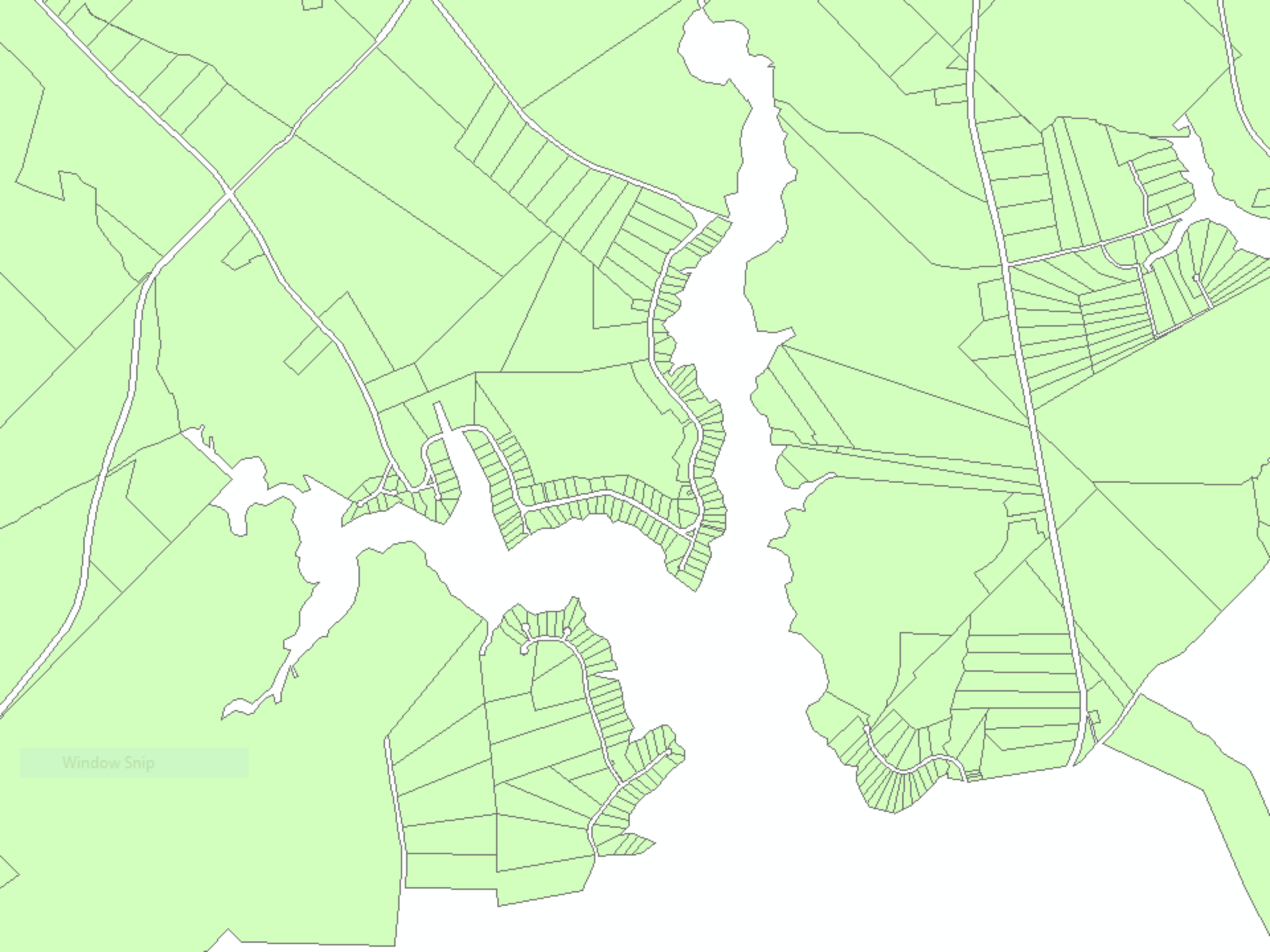
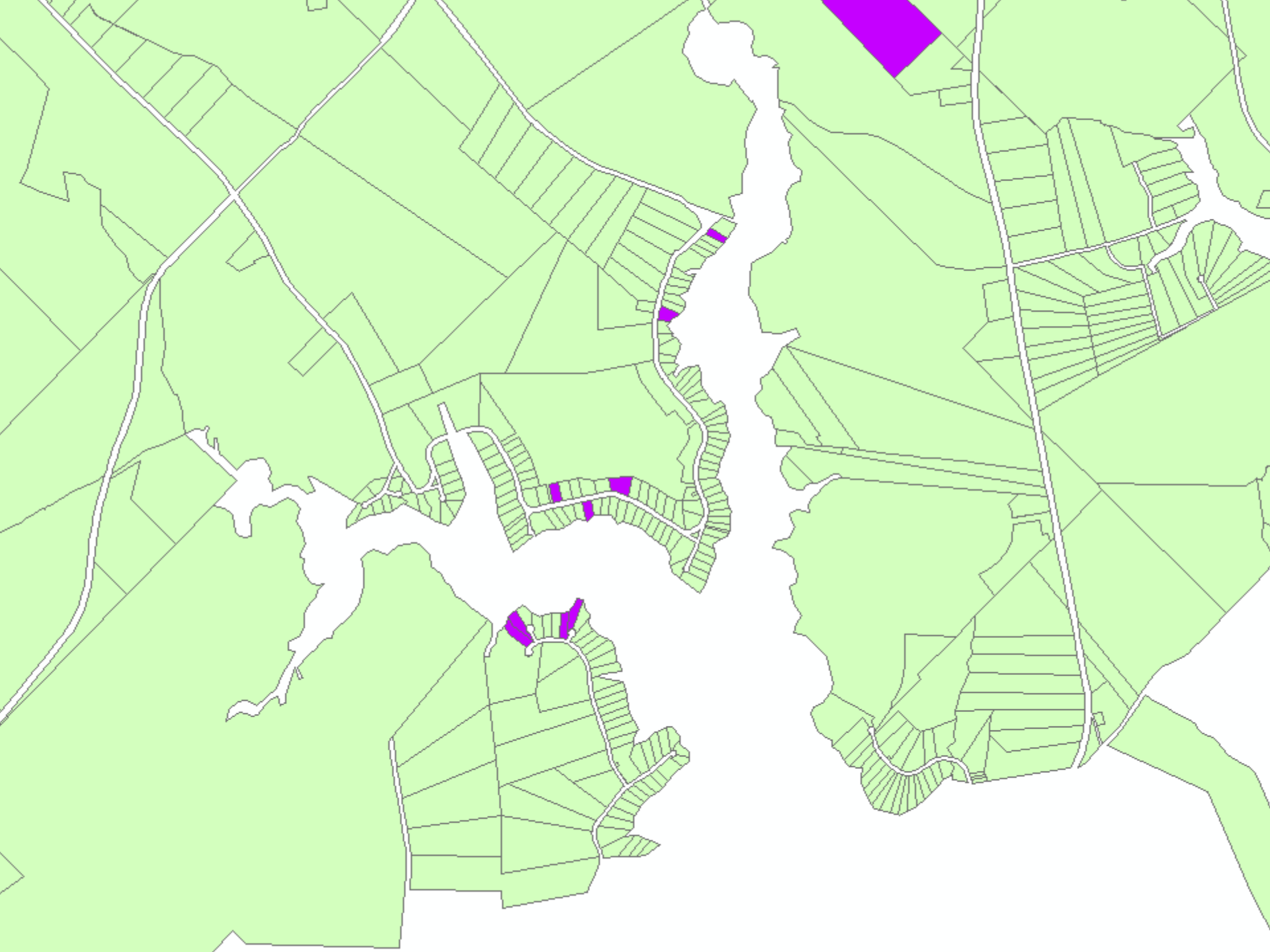
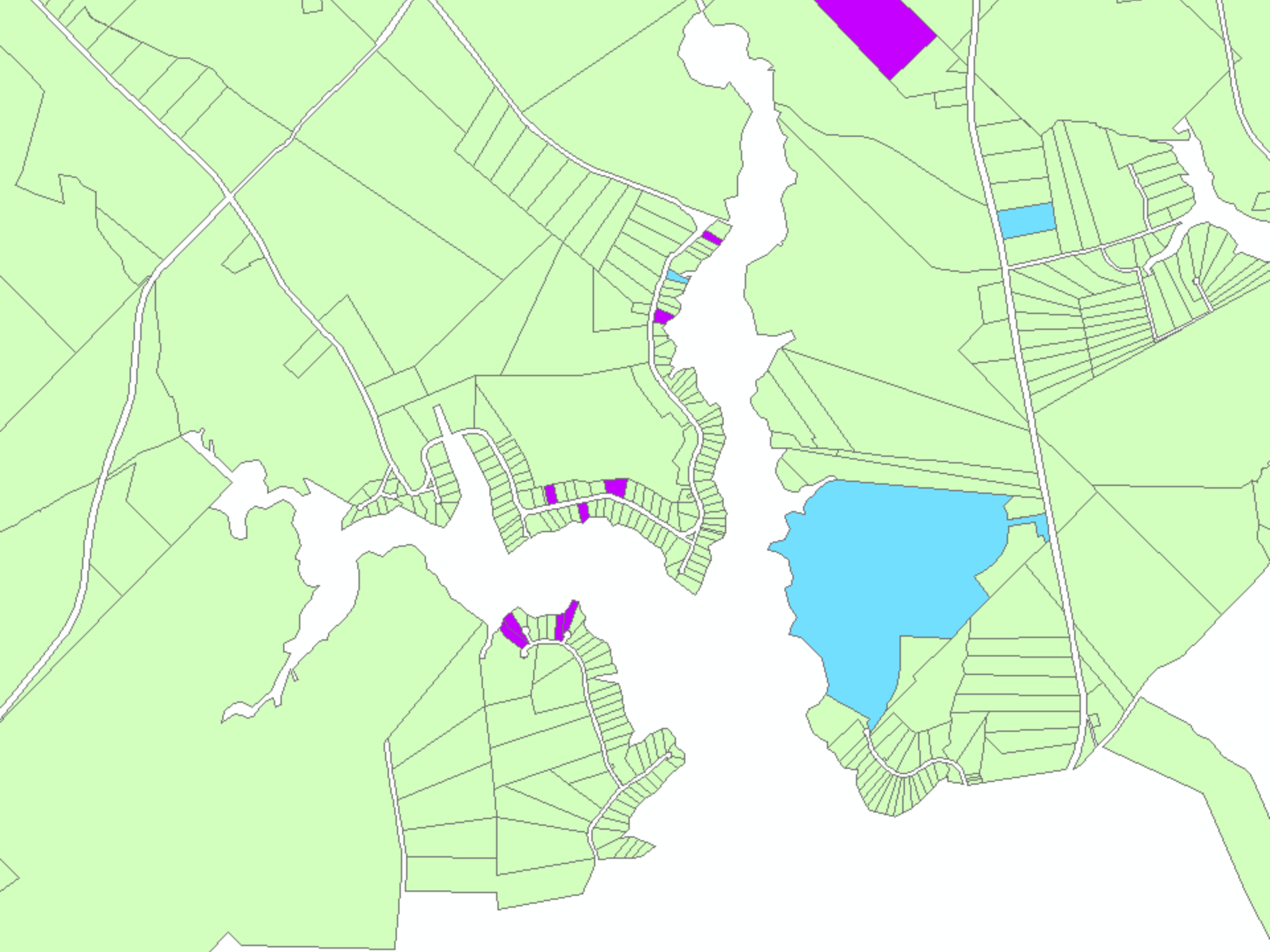
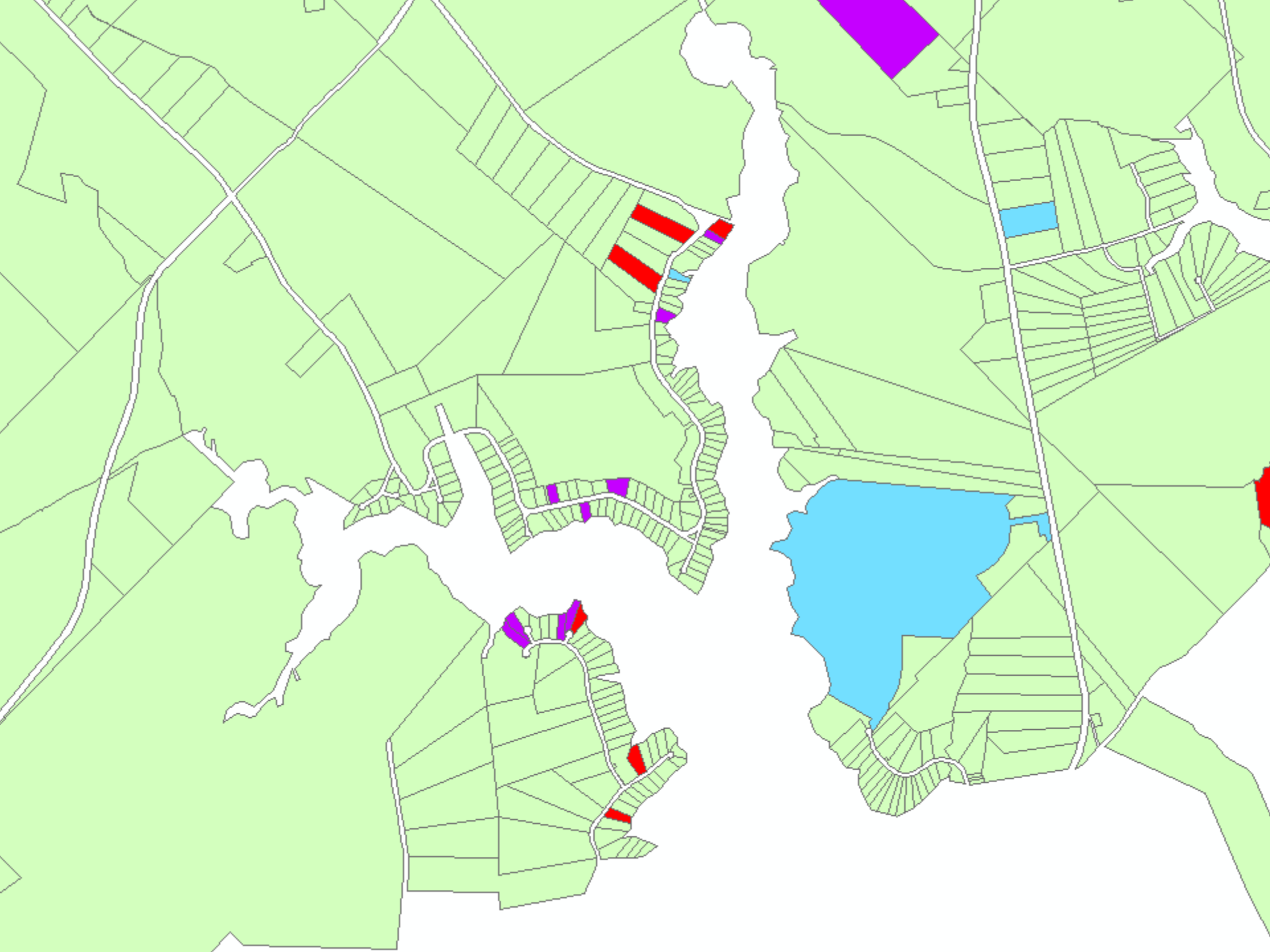
SQLQuery3.sql - lo...(LOVETT\Mark (57))* | SQLQuery2.sql - lo...(LOVETT\Mark (59))* | SQLQuery1.sql - lo...(LOVETT\Mark (54))*

```sql
select *
from appeals
where APPEAL_YR = 2014 and VID>0
```

100 %

Results | Messages

	RECID	APPEALKEY	REALKEY	PERSKEY	MOBILEKEY	APPEAL_NO	APPEALTYPE	APP_DATE	APPEAL_YR	LASTNAME
1	5763	6678	0	15611	0		P	NULL	2014	MADISON OAKS INN
2	5764	6679	3871	0	0		R	2014-04-28 00:00:00.000	2014	WALL FAMILY LLLP
3	5765	6680	9786	0	0		R	2014-05-01 00:00:00.000	2014	MCBAY L GLENN &
4	5766	6681	9849	0	0		R	2014-05-02 00:00:00.000	2014	REDDY JIMMIE R &
5	5771	6686	3334	0	0		R	2014-05-13 00:00:00.000	2014	NEWTON DAVID G
6	5774	6689	10549	0	0		R	2014-05-14 00:00:00.000	2014	GREENE BILLY
7	5777	6692	3834	0	0		R	2014-05-14 00:00:00.000	2014	DEKALB APTS INC
8	5778	6693	12610	0	0		R	2014-05-14 00:00:00.000	2014	RIVER RIDGE PROPE
9	5785	6700	8992	0	0		R	2014-05-16 00:00:00.000	2014	BAIN JONATHAN L &
10	5786	6701	9753	0	0		R	2014-05-16 00:00:00.000	2014	MYERS DENNIS L &
11	5790	6705	8693	0	0		R	2014-05-19 00:00:00.000	2014	HARDEE JO ANN A
12	5791	6706	12672	0	0		R	2014-05-19 00:00:00.000	2014	ZACHARY WILLIAM J
13	5792	6707	8821	0	0		R	2014-05-16 00:00:00.000	2014	STEVENS MARK C AS
14	5793	6708	2765	0	0		R	2014-05-23 00:00:00.000	2014	WIEMANN CYNTHIA


Window Snip