

Using GIS to Manage Watershed Easements

Leslie Morgan

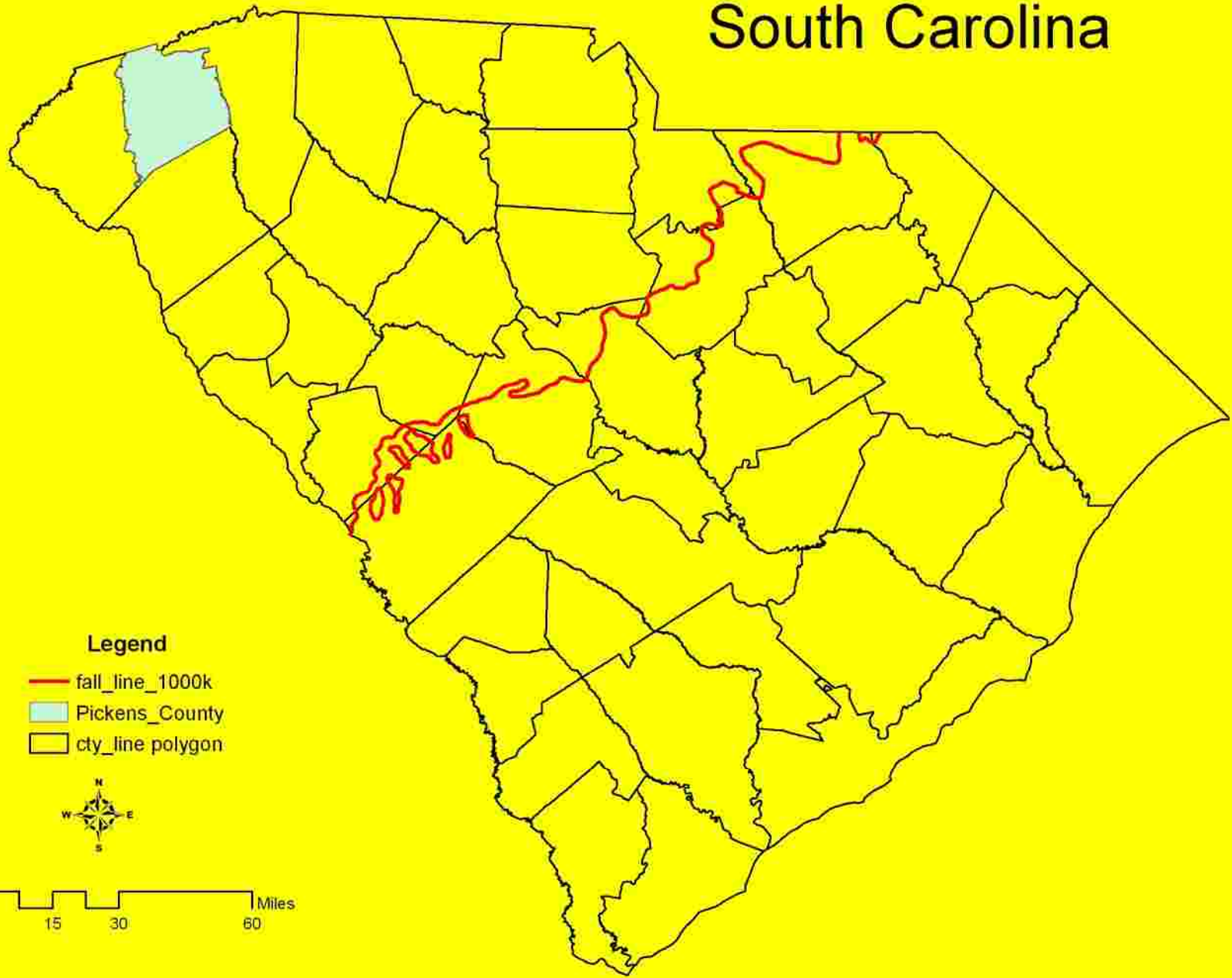
SC Department of Natural Resources



Computer software used:

- ESRI ArcMap
- Microsoft Excel
- Microsoft Word

South Carolina





Legend

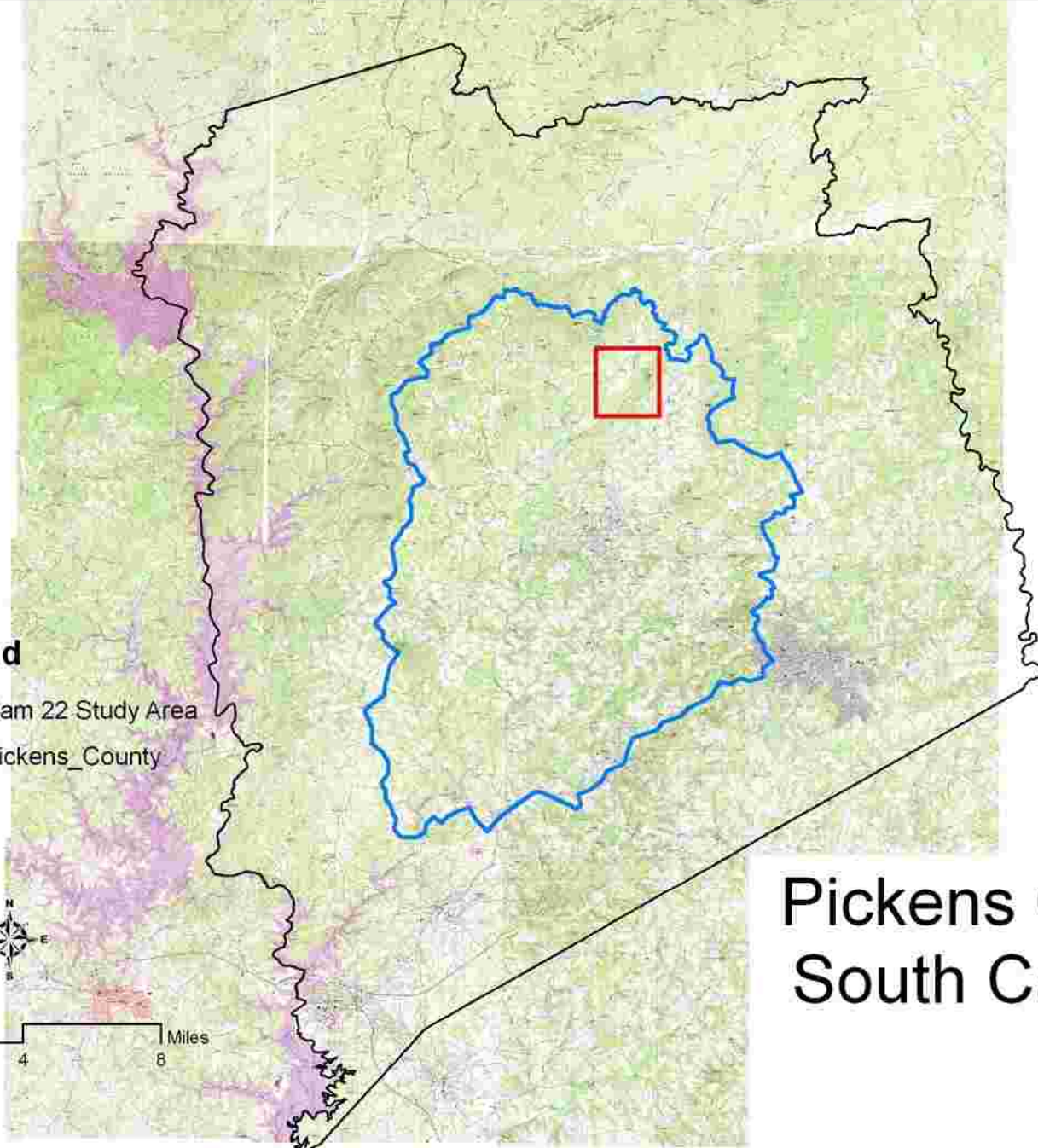
- fall_line_1000k
- Pickens_County
- cty_line polygon



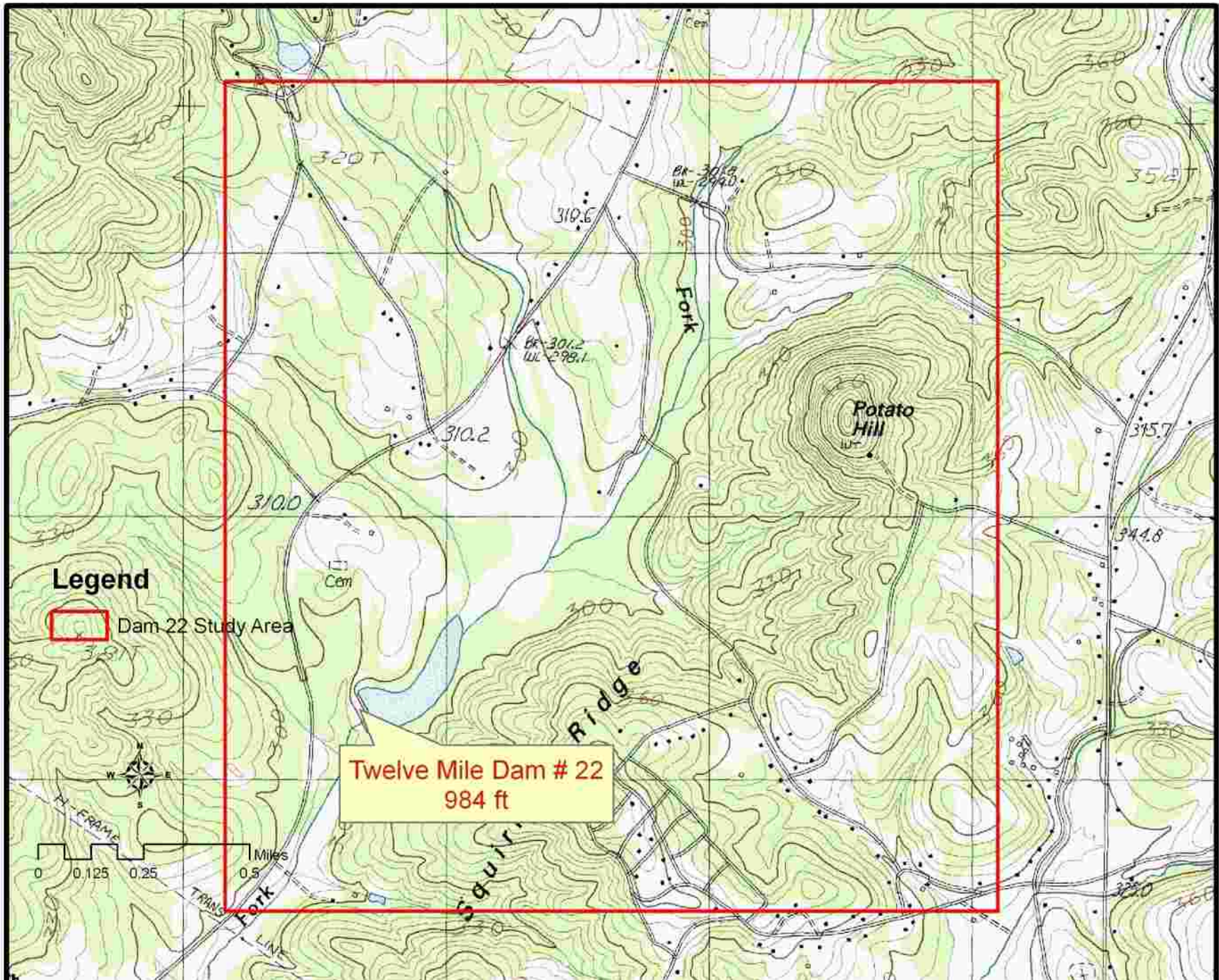
0 15 30 60 Miles

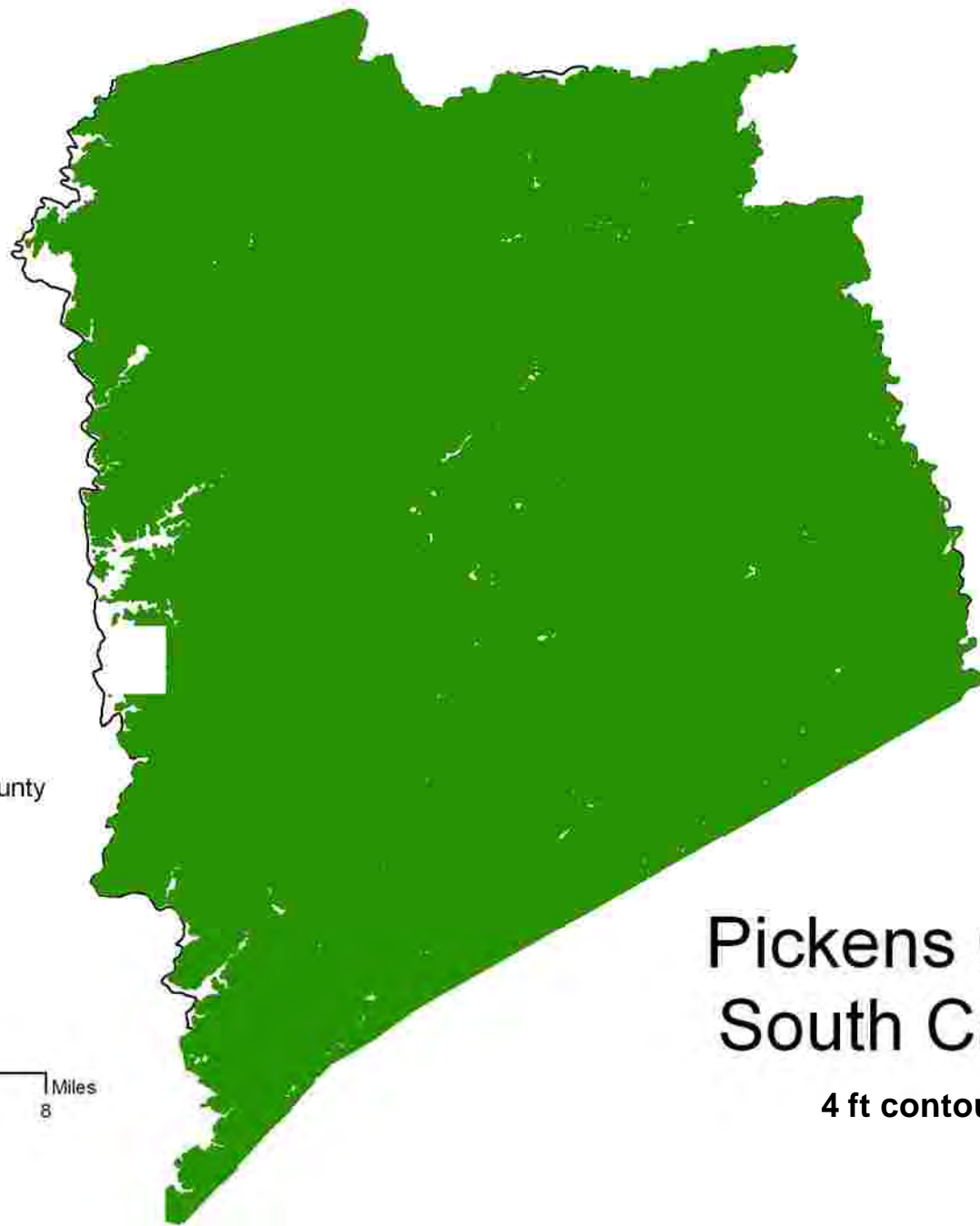
Legend

-  Dam 22 Study Area
-  Pickens_County



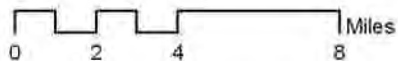
Pickens County
South Carolina





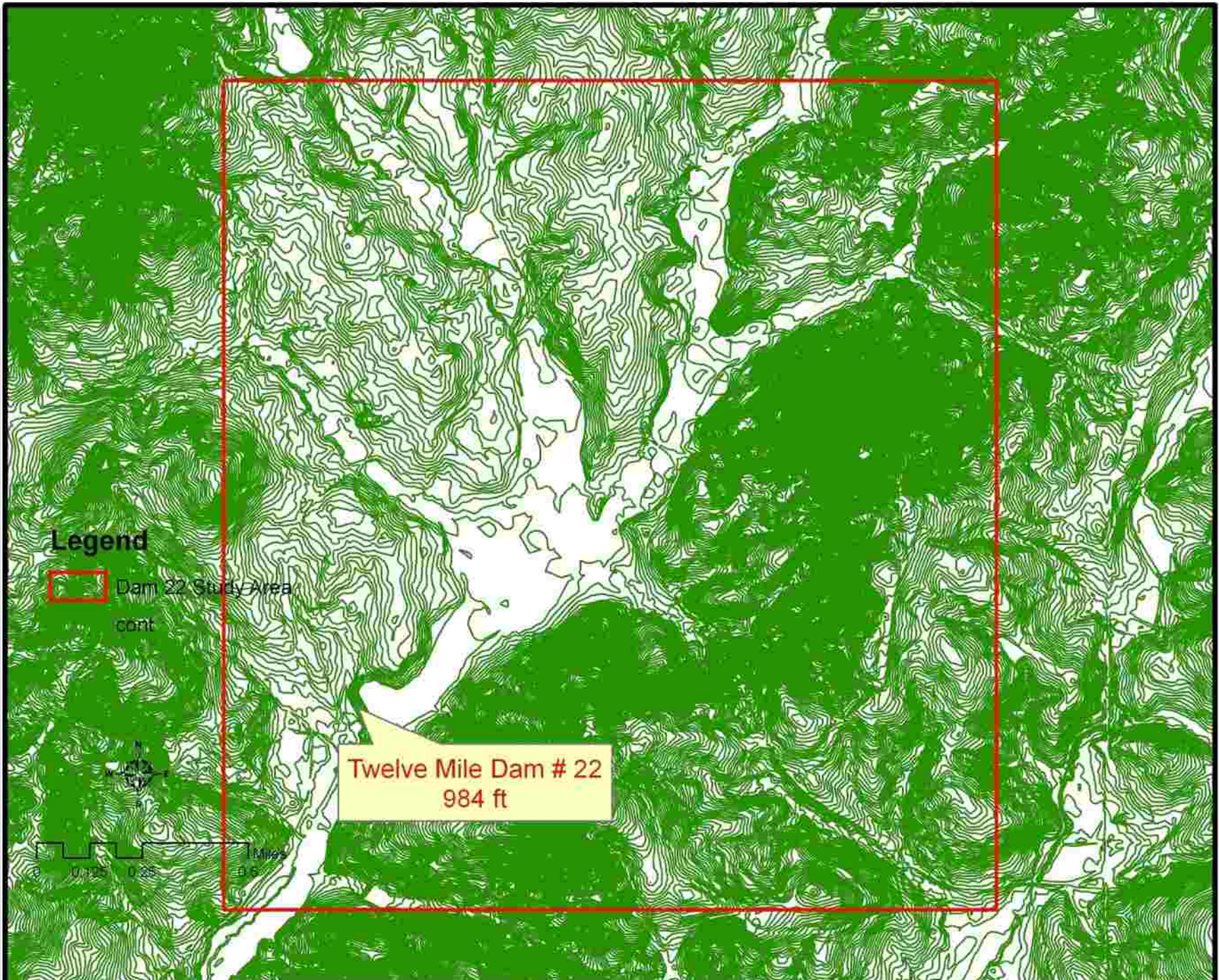
Legend

- cont
- Pickens_County



Pickens County South Carolina

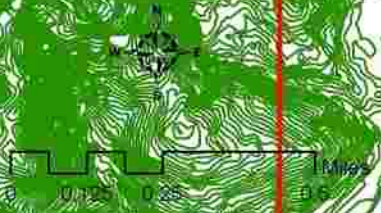
4 ft contours

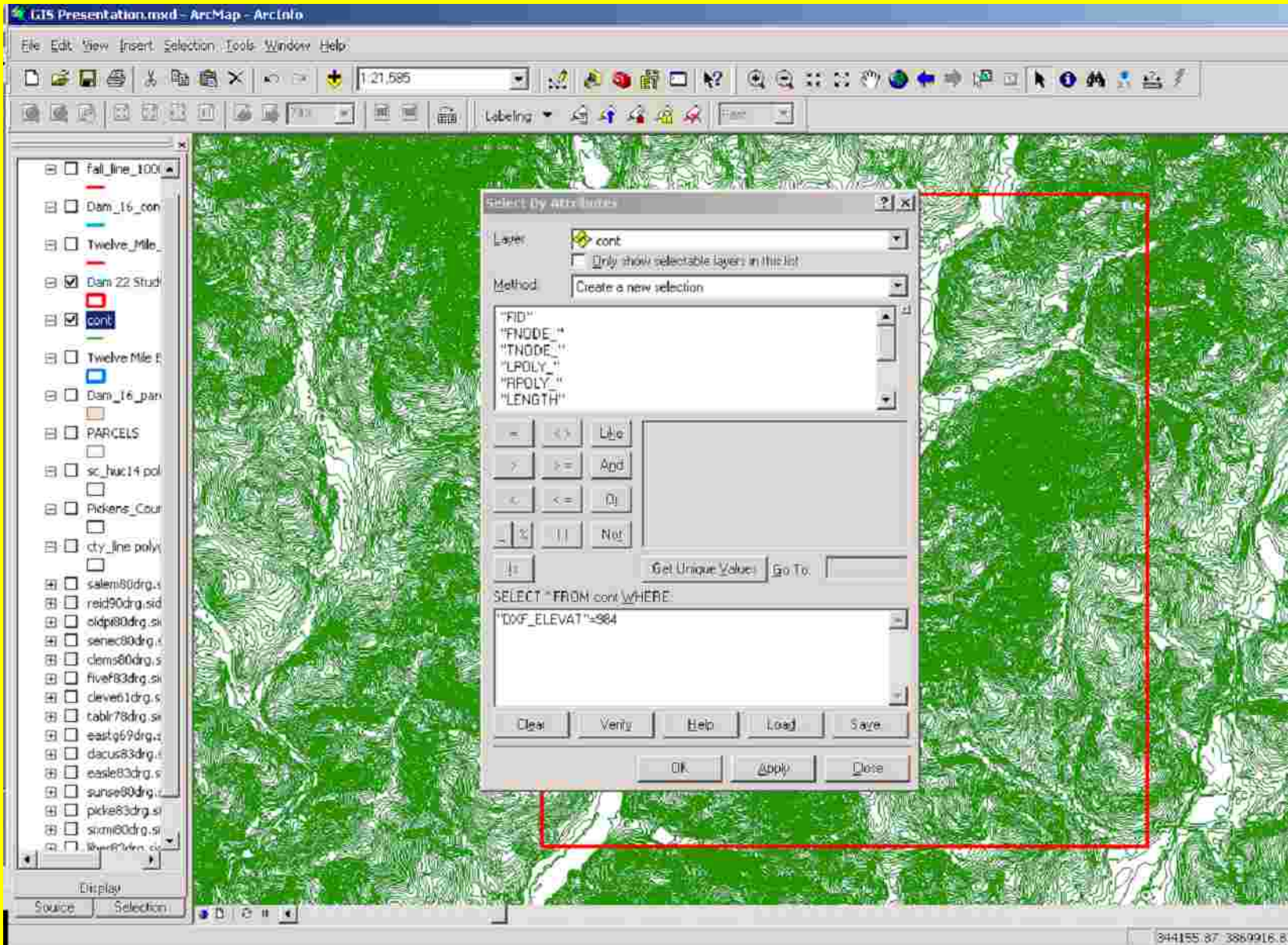


Legend

 Dam 22 Study Area
cont

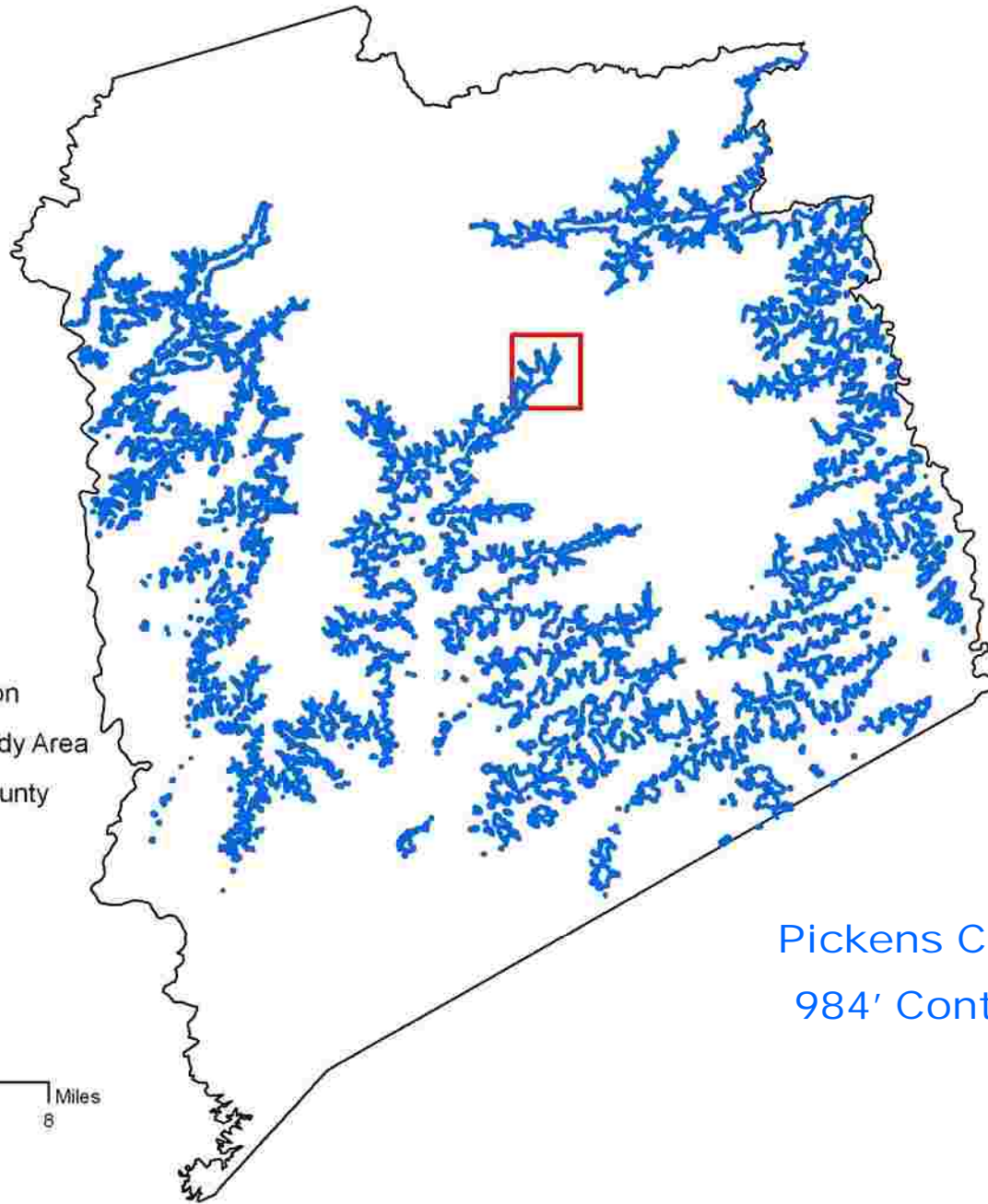
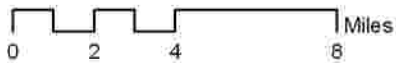
Twelve Mile Dam # 22
984 ft





Legend

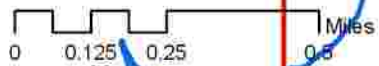
- cont selection
- Dam 22 Study Area
- Pickens_County



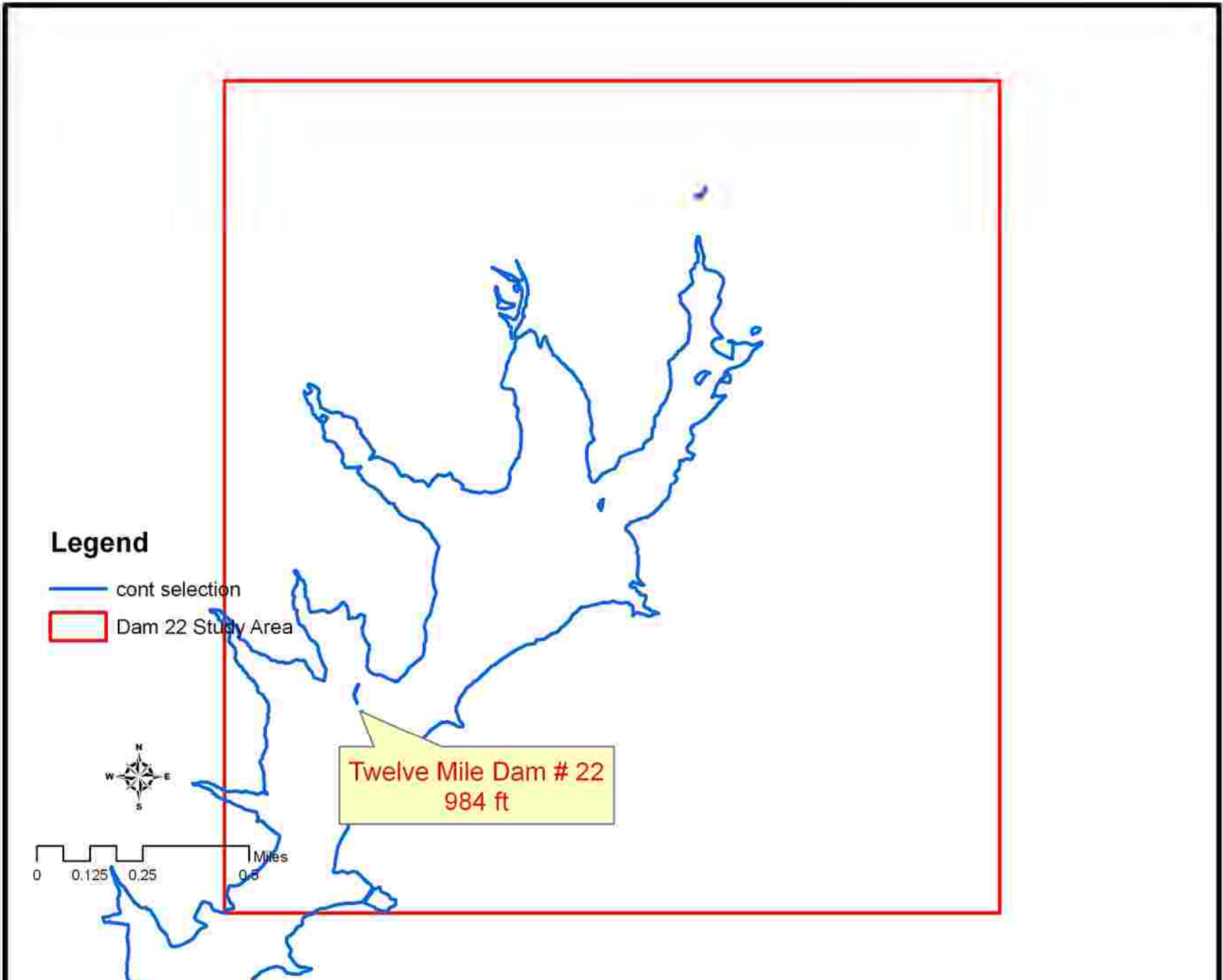
Pickens County
984' Contours

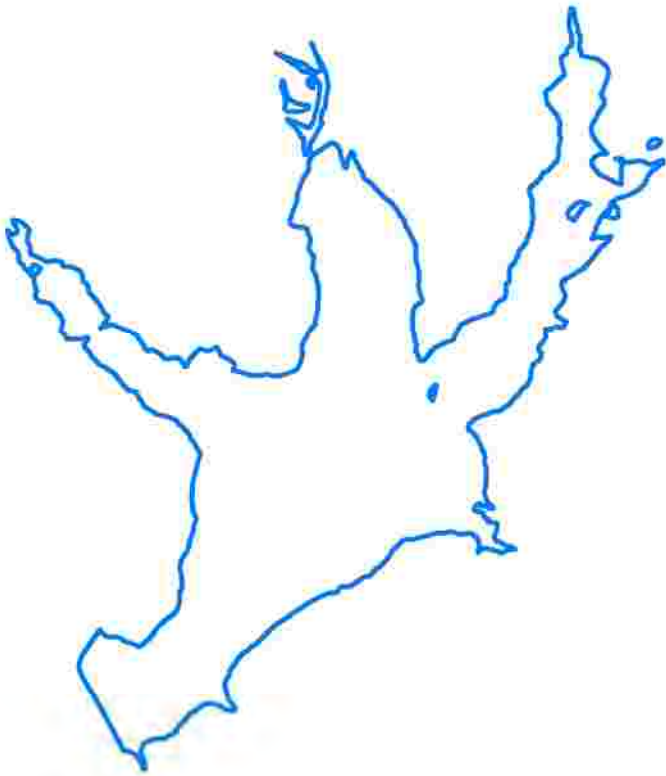
Legend

- cont selection
- Dam 22 Study Area



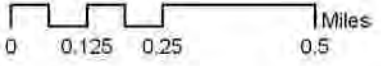
Twelve Mile Dam # 22
984 ft

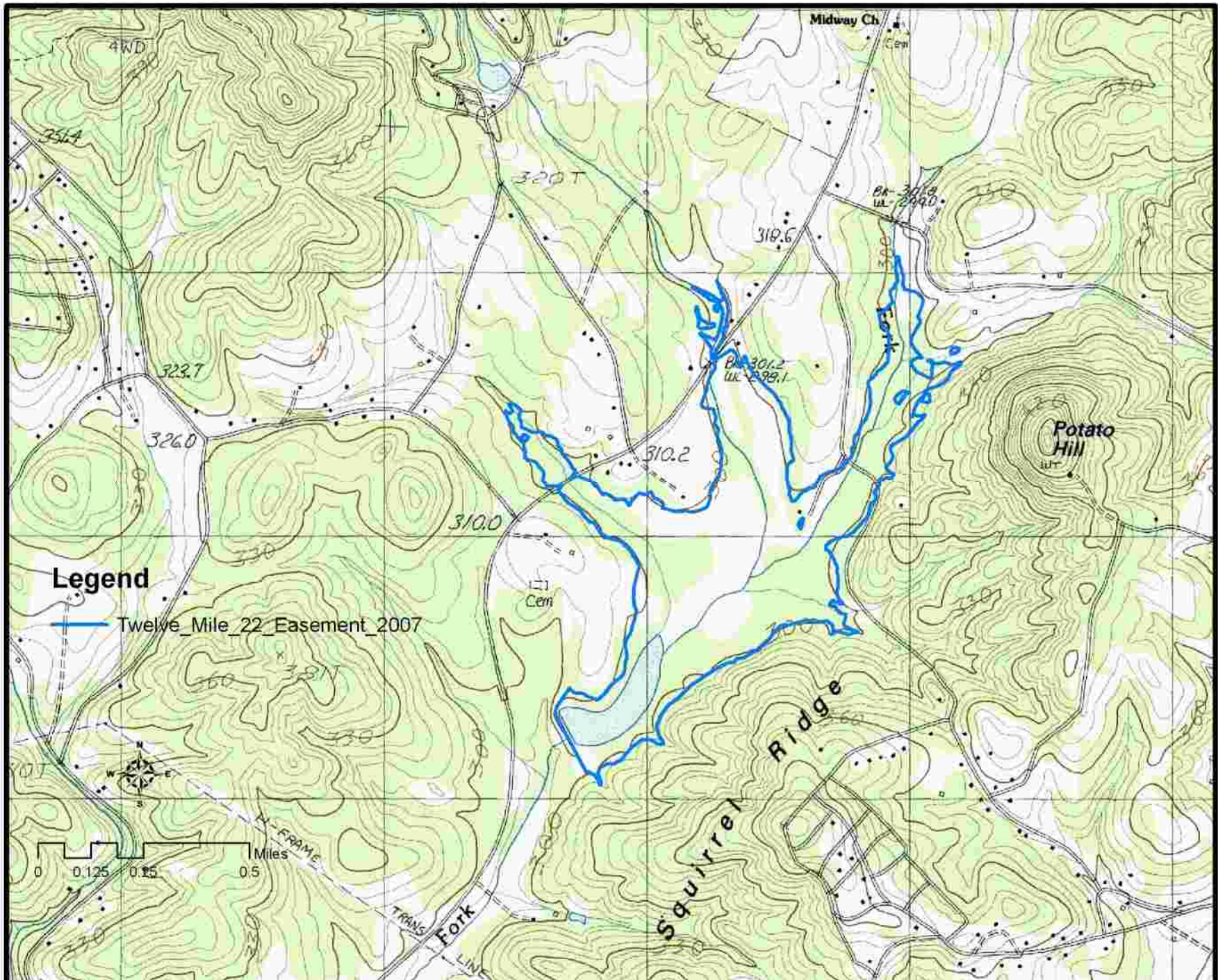


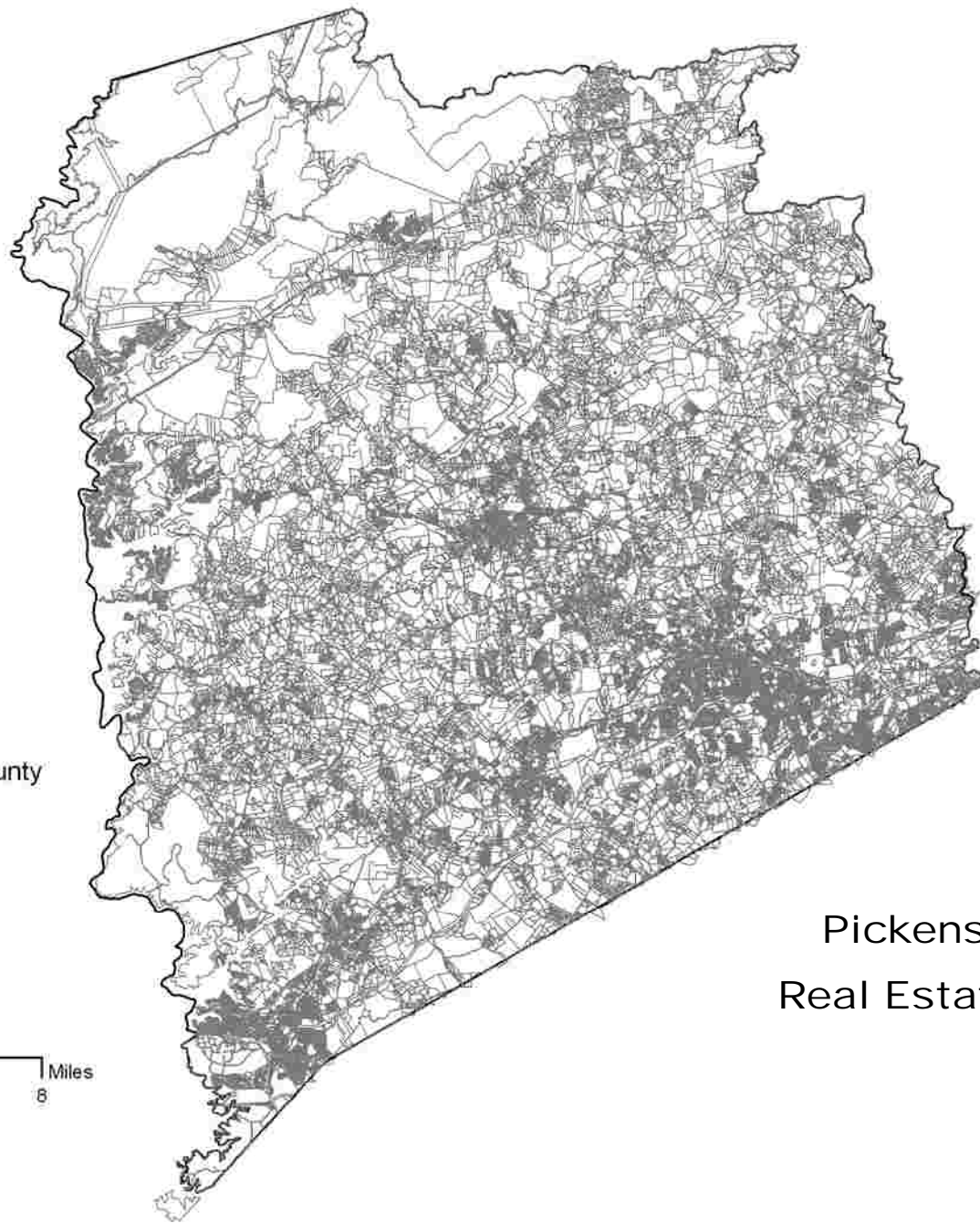


Legend

— Twelve_Mile_22_Easement_2007

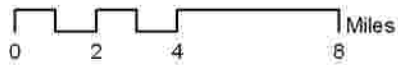




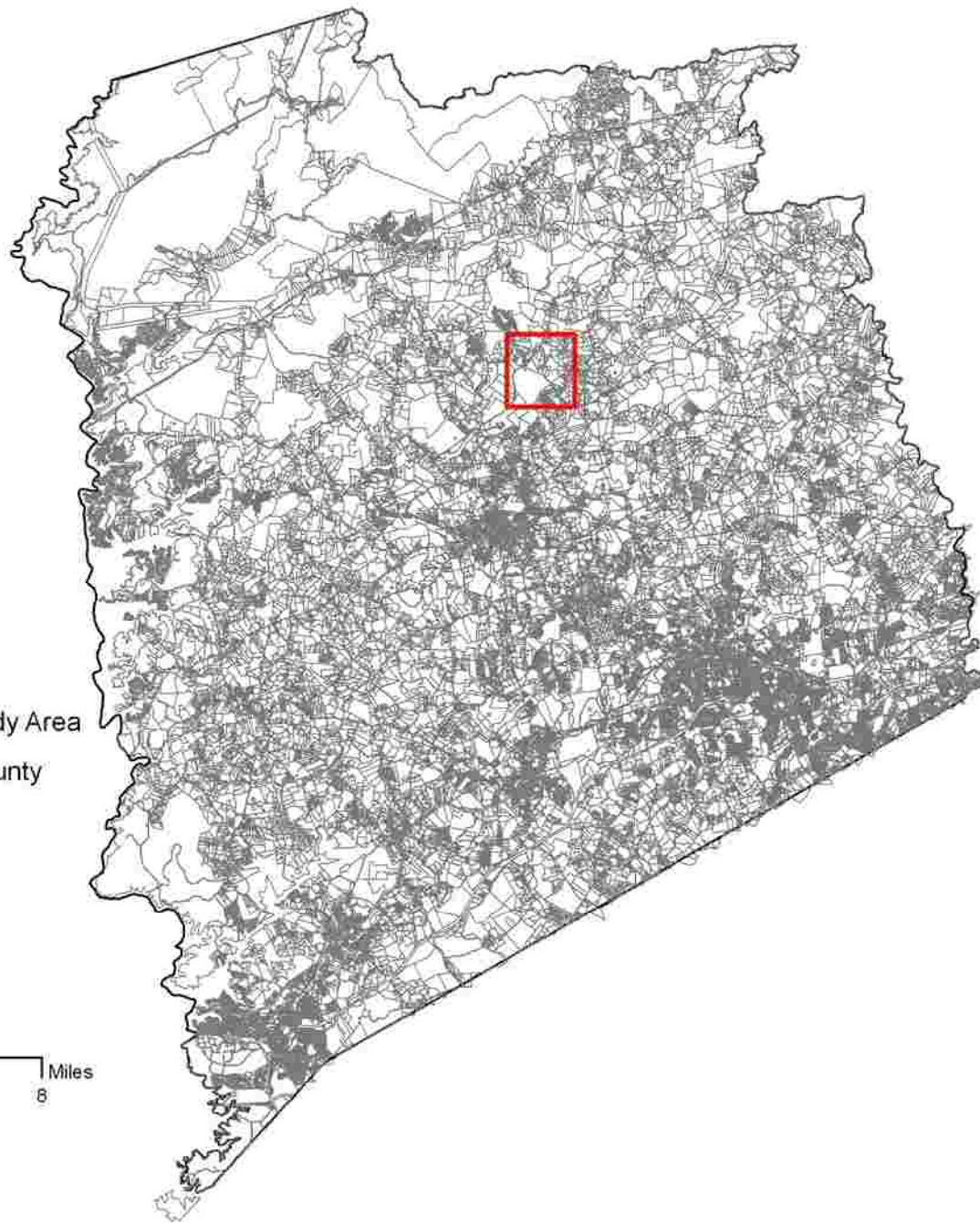


Legend



 Pickens_County

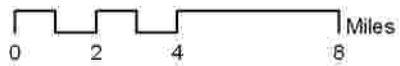


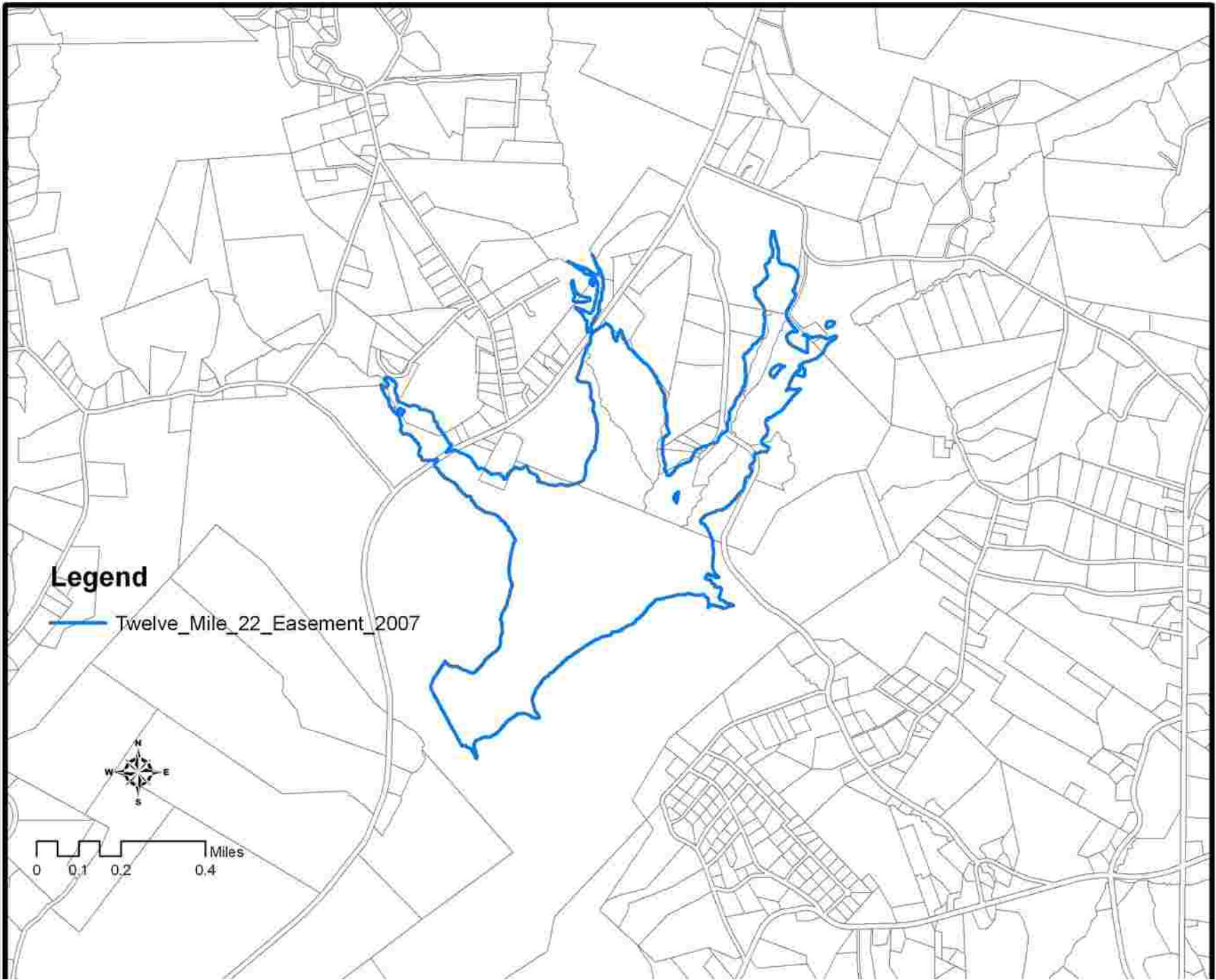
Pickens County
Real Estate Parcels



Legend

-  Dam 22 Study Area
-  Pickens_County



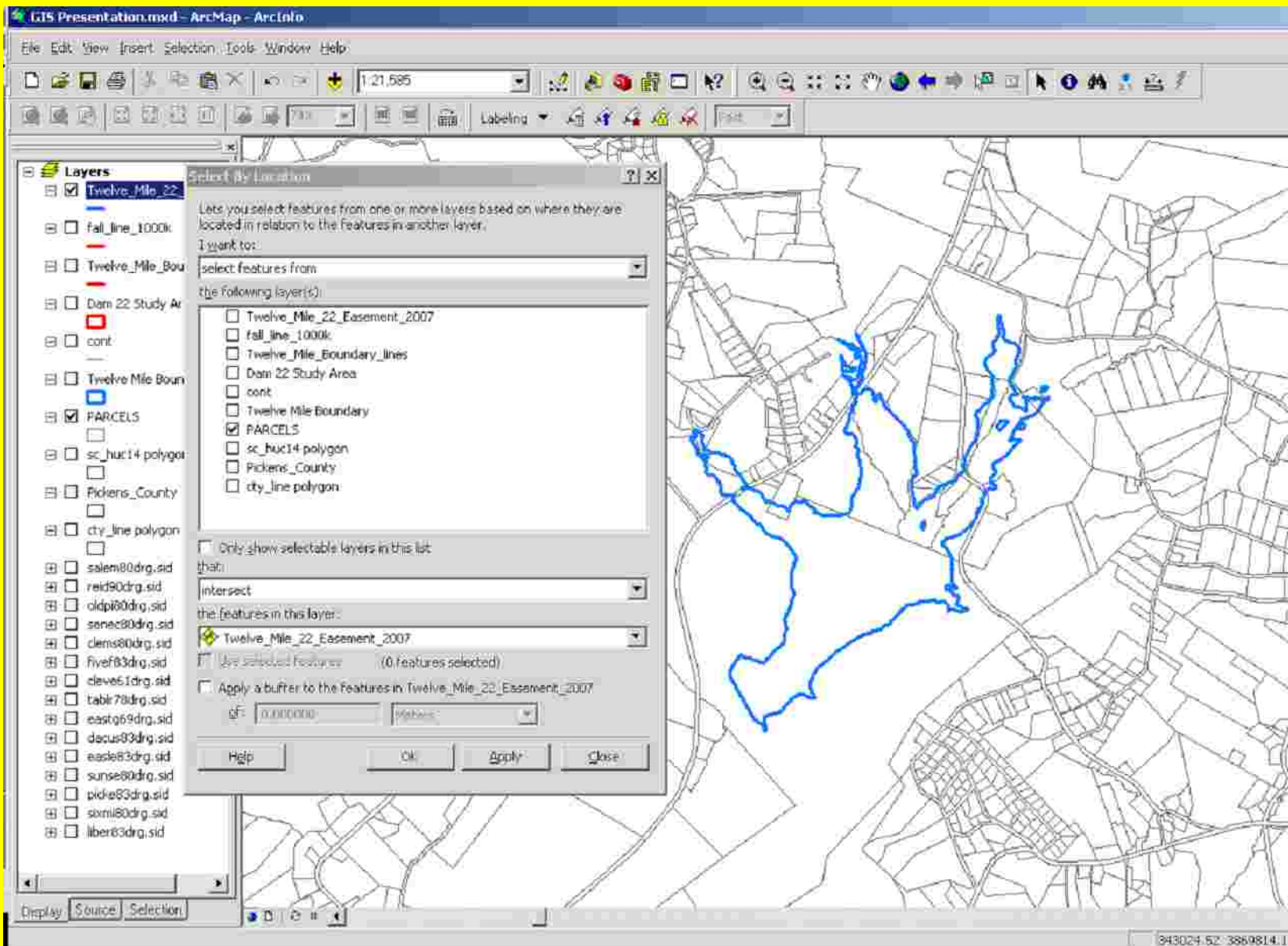


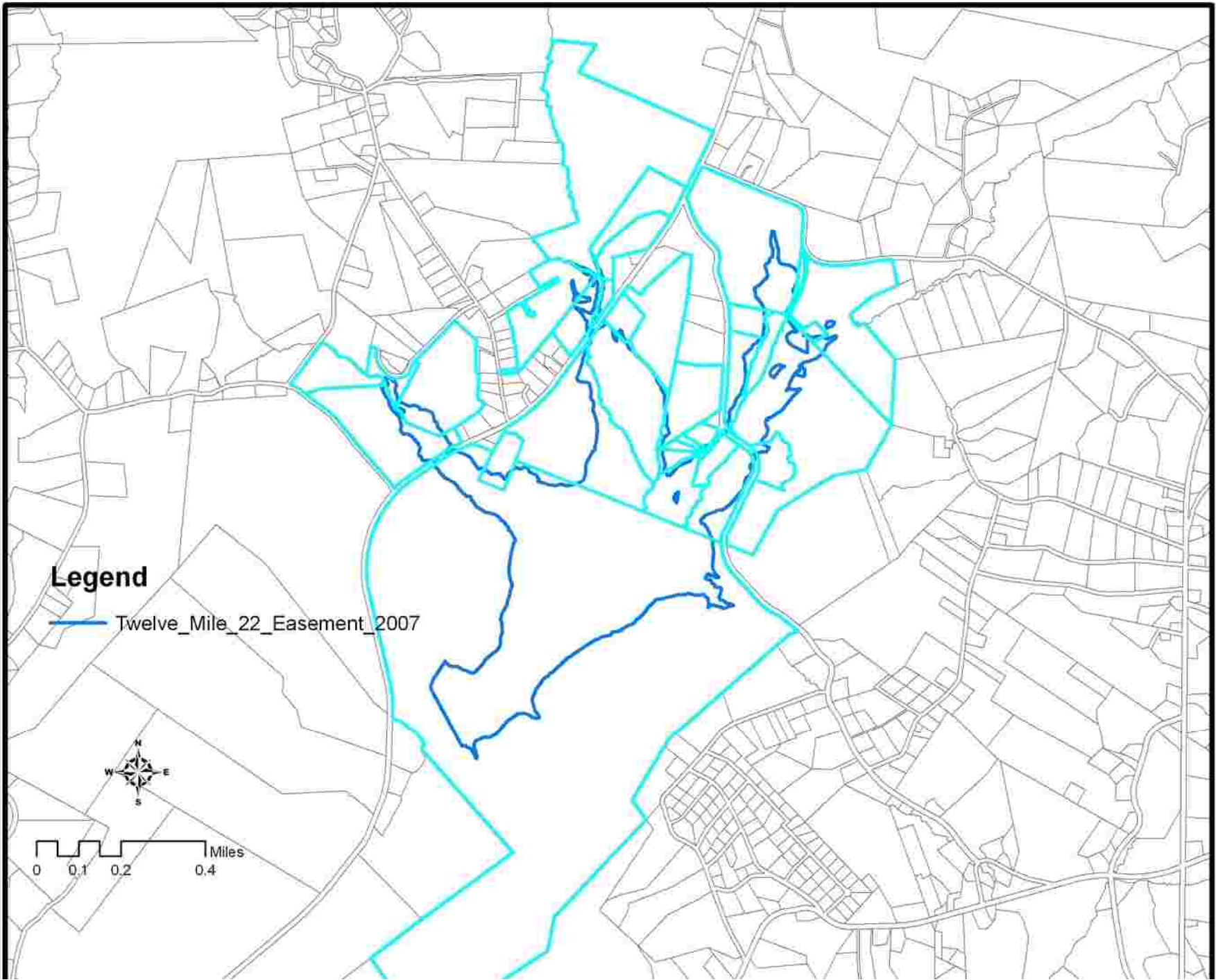
Legend

— Twelve Mile 22 Easement 2007



0 0.1 0.2 0.4 Miles





Legend

— Twelve_Mile_22_Easement_2007

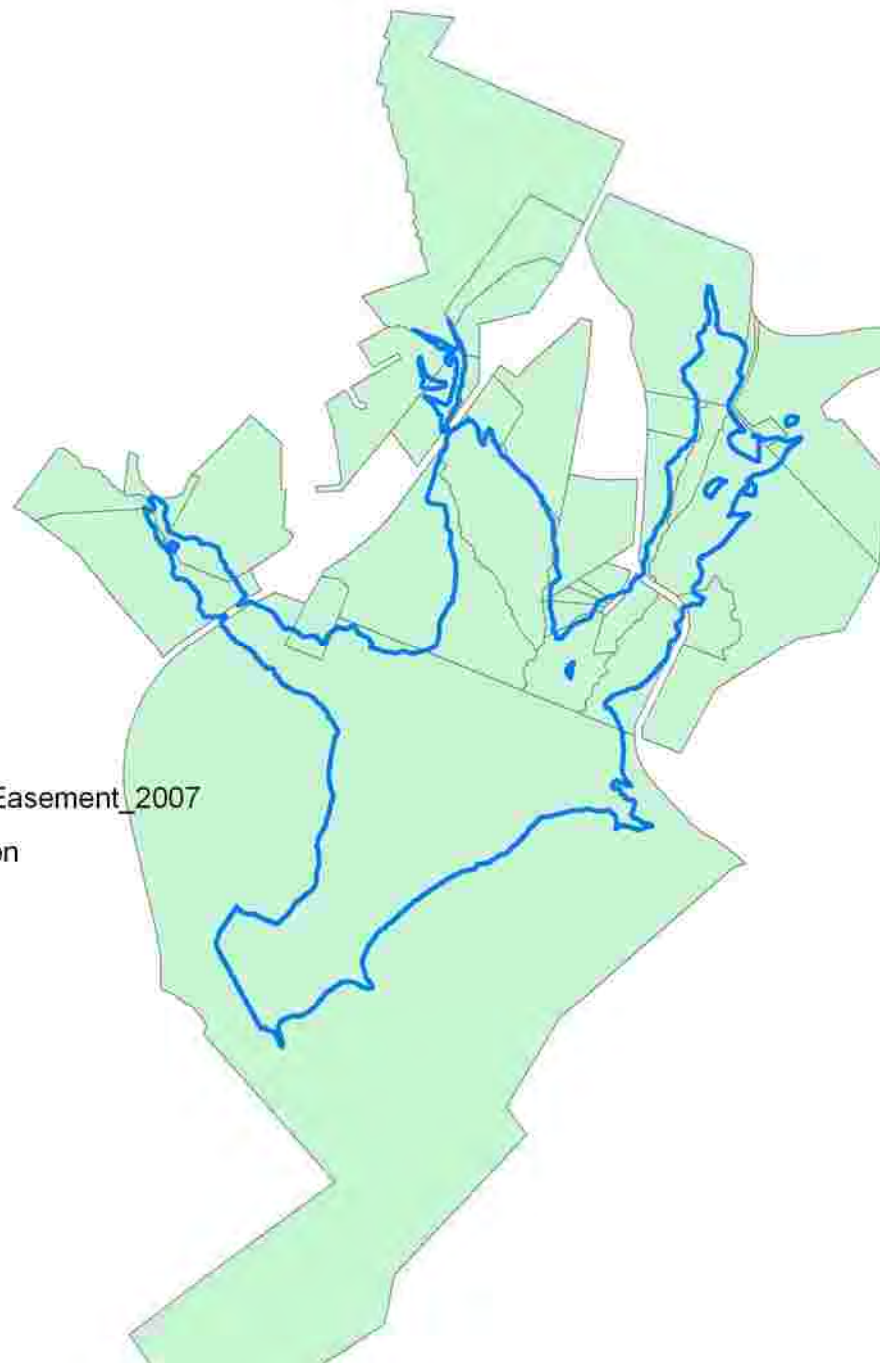
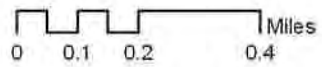


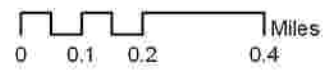
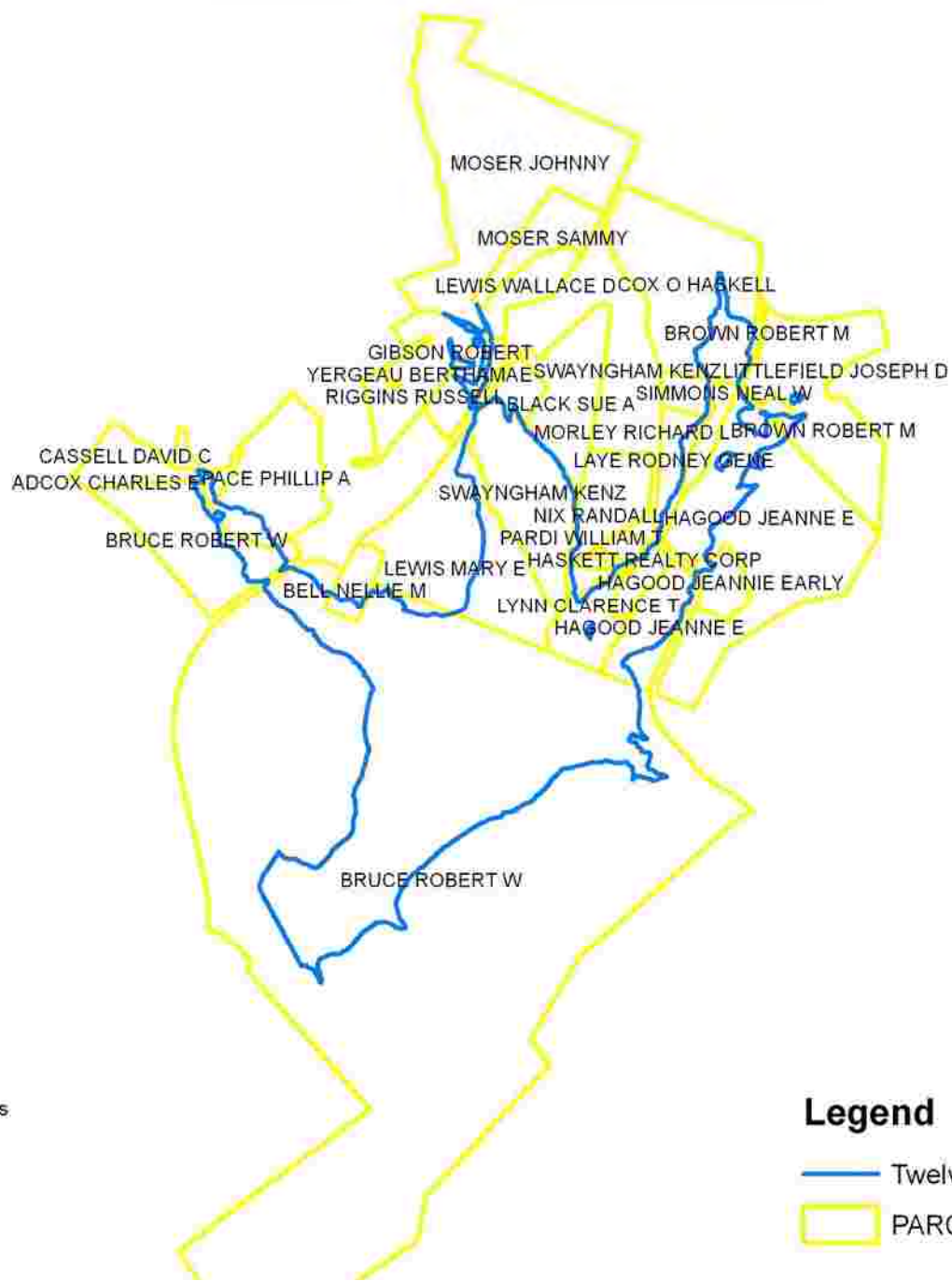
0 0.1 0.2 0.4 Miles

Legend



— Twelve_Mile_22_Easement_2007

PARCELS selection





Legend

-  Twelve_Mile_22_Easement_2007
-  PARCELS selection

GIS Presentation.mxd - ArcMap - ArcInfo

File Edit View Insert Selection Tools Window Help

1,21,585

Attributes of PARCELS selection

FID	Shape	AREA	PIN	CALCACRE	PINEXT	NAME1	NAME2	ADD1	CITY
739	Polygon	688421.88	4193-00-18-8754	15.34		YERGEAU BERTHAMEE		PO BOX 1057	PICKENS
807	Polygon	501408.85	4193-00-47-7283	11.51		HAWOOD JEANNE E	C/O BEN HAWOOD	1019 HARRERS WAY	ANDERSON
825	Polygon	20117445.3	4193-03-13-7452	461.83		BRUCE ROBERT W		PO BOX 601	GREENVILLE
827	Polygon	1044140.5	4193-03-13-7452	23.97		BRUCE ROBERT W		PO BOX 601	GREENVILLE
829	Polygon	134902.94	4193-00-87-8874	3.1		ADCOX CHARLES E		146 HOUSE LN	PICKENS
832	Polygon	2624938.54	4193-00-47-7263	50.26		HAWOOD JEANNE E	C/O BEN HAWOOD	1019 HARRERS WAY	ANDERSON
836	Polygon	43237.62	4193-00-58-2747	0.89		BROWN ROBERT M		277 TATER HILL MOUNTAIN RD	PICKENS
838	Polygon	1728450.67	4193-00-48-2480	39.7		COX O HASKELL		1236 MIDWAY RD	PICKENS
898	Polygon	422409.4	4194-00-30-0119	9.7		MOSEY SAMMY		301 BLUE RIDGE DR	PICKENS
904	Polygon	2797801.57	4194-00-20-3894	84.23		MOSEY JOHNNY		301 BLUE RIDGE DR	PICKENS
910	Polygon	754616.07	4193-00-38-0688	17.32		BLACK SUE A		661 PONDEROSA RD	PICKENS
917	Polygon	165200.78	4193-00-28-8602	3.79		SWAYNGHAM KENZ		595 MORRIS LN	WEST UNION
921	Polygon	1029608.05	4193-00-27-7607	23.64		SWAYNGHAM KENZ		595 MORRIS LN	WEST UNION
923	Polygon	302887.88	4193-00-47-0822	6.95		LAYE RODNEY GENE		634 PONDEROSA RD	PICKENS
924	Polygon	1716580.06	4193-00-27-0124	39.41		LEWIS MARY E		562 BRANDY LN	PICKENS
926	Polygon	536903.75	4193-00-37-5805	12.37		NIX RANDALL		633 PONDEROSA RD	PICKENS
932	Polygon	158178.11	4193-00-36-7837	3.63		HASSETT REALTY CORP		PO BOX 142	PICKENS
933	Polygon	240784.16	4193-00-46-4881	5.53		HAWOOD JEANNE EARLY	C/O BEN HAWOOD	1019 HARRERS WAY	ANDERSON
956	Polygon	180915.85	4193-00-48-1588	3.69		SIMMONS NEAL W		1836 PUMPKINTOWN HWY	PICKENS
957	Polygon	176402.57	4193-00-48-3156	4.05		MORLEY RICHARD L		203 E STANDING SPRINGS RD	SIMPSONVILLE
958	Polygon	75591.83	4193-00-48-9464	1.74		LITTLEFIELD JOSEPH D		289 TATER HILL MOUNTAIN RD	PICKENS
963	Polygon	1390931.94	4193-00-58-2747	31.93		BROWN ROBERT M		277 TATER HILL MOUNTAIN RD	PICKENS
17434	Polygon	966543.42	4193-00-07-4809	22.19	0	PACE PHILLIP A		230 N CATHERINE ST	PICKENS
17437	Polygon	965408.79	4193-00-87-8942	8.39		CASSELL DAVID C		139 DOGWOOD RD	PICKENS
17438	Polygon	213705.35	4193-00-18-0885	4.91		BELL NELLIE M		778 MIDWAY RD	PICKENS
29751	Polygon	78930.88	4193-00-37-5177	1.81		PARDI WILLIAM T		102 ESTHER DR	EASLEY
29752	Polygon	26923.03	4193-00-37-4035	0.62		CANTEY MORTGAGE CO		2712 MIDDLEBURG DR	COLUMBIA
29753	Polygon	41758.24	4193-00-37-3020	0.96		CANTEY MORTGAGE CO		3300 HARRISON RD	COLUMBIA
29754	Polygon	82273.02	4193-00-36-2838	1.89		REID JAMES R		124 WINDFIELD DR	PICKENS
29755	Polygon	404754.76	4193-00-36-2433	9.28		LYNN CLARENCE T		396 FAIRHAVEN DR	GREER
31107	Polygon	64615.12	4193-00-28-4802	1.48		GIBSON ROBERT		881 MIDWAY RD	PICKENS
31108	Polygon	273558.12	4193-00-28-0653	6.28		RIGGINS RUSSELL		859 MIDWAY RD	PICKENS
31110	Polygon	315539.57	4193-00-29-8599	7.24		LEWIS WALLACE D		947 MIDWAY RD	PICKENS

Record: 14 | Show: All Selected | Records (0 out of 33 Selected) | Options

Display Source Selection

347798.86 3866918.78

Pickens SWCD

«FNAME» «LNAME»

«ADD1»

«CITY», «STATE» «ZIP»

Dear «FNAME» «LNAME»:

This letter serves as a reminder of an easement held on your property by the Pickens Soil and Water Conservation District. The affected parcel number is «PIN». The easement is in place to protect the integrity of the flood control dam located on or downstream of your property. Your property is subject to flooding and care should be taken to protect your personal and real property from floodwater damage when the lake level rises. The elevation of the easement on your property is «Elevation» above Mean Sea Level. Please see the attached policy.

Any questions or comments may be directed to the District Board at a regular meeting held at the conservation district office at 9:00 AM on the second Thursday of each month.

Sincerely,

Chairman of the Pickens Conservation District

Pickens Soil & Water Conservation District

144 McDaniel Avenue

PO Box 245

Pickens, SC 29671

(864) 878-6155; FAX 878-5781

Email: pswed@innova.net

Website: pickensconservation.org

Robert Bruce

P O Box 601

Greenville, SC 29602-0601

Dear Robert Bruce:

This letter serves as a reminder of an easement held on your property by the Pickens Soil and Water Conservation District. The affected parcel number is 4193-03-13-7452. The easement is in place to protect the integrity of the flood control dam located on or downstream of your property. Your property is subject to flooding and care should be taken to protect your personal and real property from floodwater damage when the lake level rises. The elevation of the easement on your property is 984.5 feet above Mean Sea Level. Please see the attached policy.

Any questions or comments may be directed to the District Board at a regular meeting held at the conservation district office at 9:00 AM on the second Thursday of each month.

Sincerely,

Chairman of the Pickens Conservation District

Twelve Mile Labels.doc - Microsoft Word

File Edit View Insert Format Tools Table Window Help

60% Times New Roman 12

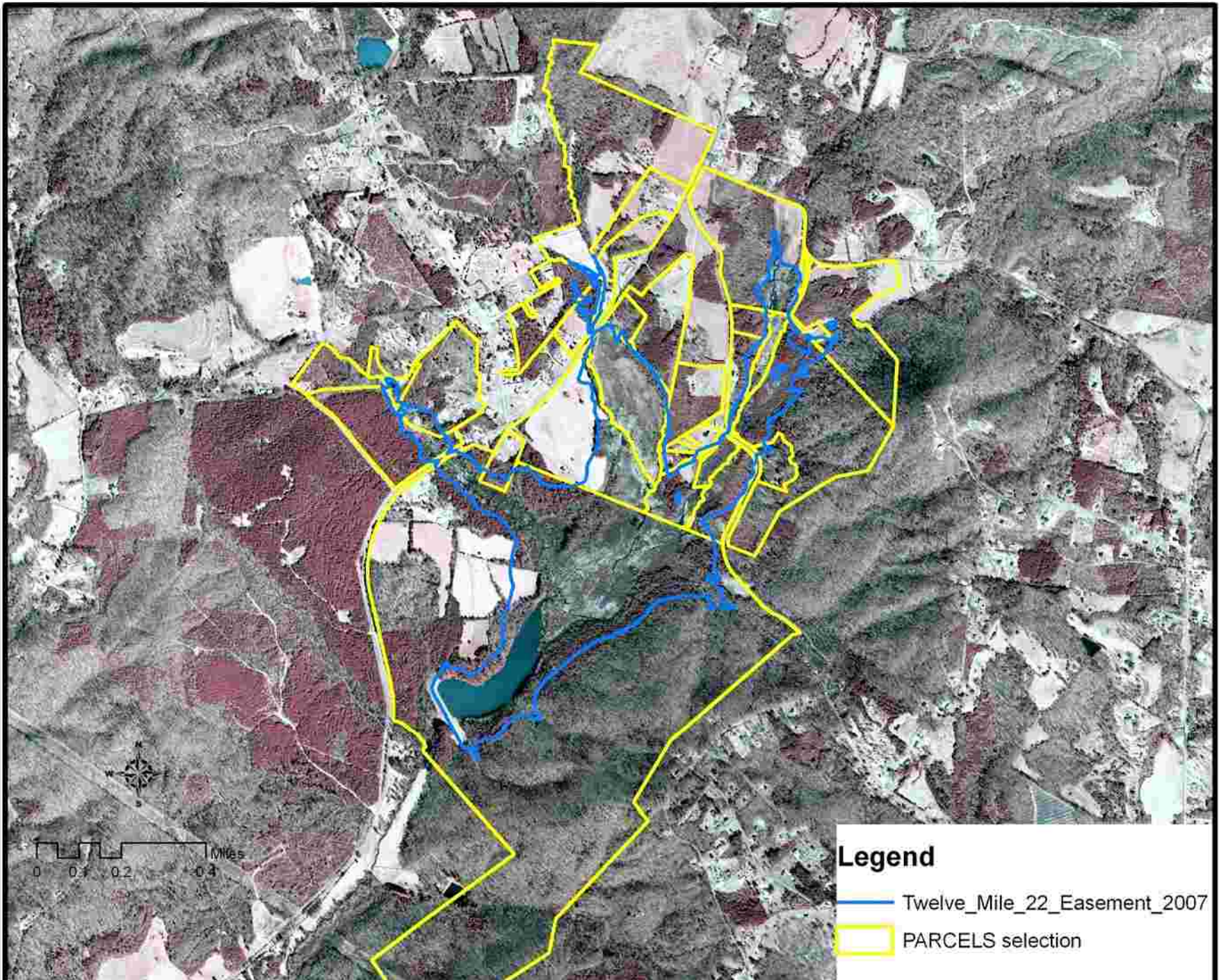
Theodore Stehan 151 HANCOCK ST PICKENS, SC 296712603	Theodore Stehan 151 HANCOCK ST PICKENS, SC 296712605	Terry Smith 237 ADAMS RD PICKENS, SC 296718422
Elizabeth Tompkins 530 WINDMONTED PICKENS, SC 296719636	Angella Bolding 118 ROLLING GREEN RD PICKENS, SC 296719679	Dean Bolding 118 ROLLING GREEN RD PICKENS, SC 29671
Gerald Jacks 125 JACKS DR PICKENS, SC 296719614	David McInnis 192 PRATERS CREEK RD PICKENS, SC 296719675	Gay Nations 321 ROLLING GREEN RD PICKENS, SC 296719615
Gay Nations 221 ROLLING GREEN RD PICKENS, SC 296719615	Kevin Nations 230 ROLLING GREEN RD PICKENS, SC 29671	Kevin Nations 130 ROLLING GREEN RD PICKENS, SC 29671
Donna White 840 RIDGE RD EASLEY, SC 29642	P. L. Bruce 12 NORA DR GREENVILLE, SC 296091227	Trula Crowder 326 S FISHTRAP RD GREENVILLE, SC 296117000
Virginia Cabetson 130 RICHBOUGH RD GREENVILLE, SC 29615	Virginia Cabetson 130 RICHBOUGH RD GREENVILLE, SC 29615	Kenneth Denton 308 LIBERTY DR EASLEY, SC 296403226
Julius Epps PO BOX 284 WINDMONT, SC 29673	Rosalee Ewart PO BOX 271 PICKENS, SC 296710271	Helen Howard 273 RIGHT FORK RD PICKENS, SC 296719723
Akron Kelly PO BOX 134 PICKENS, SC 29671	John Martin 441 MT ESTATES RD PICKENS, SC 29671	Jerry Mangan 724 MOUNTAIN ESTATES RD PICKENS, SC 296710000
Dorelle Moxley 247 RIGHT FORK RD PICKENS, SC 296719723	Janet Moxley 226 RIGHT FORK RD PICKENS, SC 296719723	Janet Moxley 226 RIGHT FORK RD PICKENS, SC 296719723
John Nichols PO BOX 289 LAKE TOXAWAY, NC 28749	R E Pury 21 9TH STREET WOODSIDE GREENVILLE, SC 296114225	Harold Powell 404 PUMPKINTOWN HWY PICKENS, SC 296712032

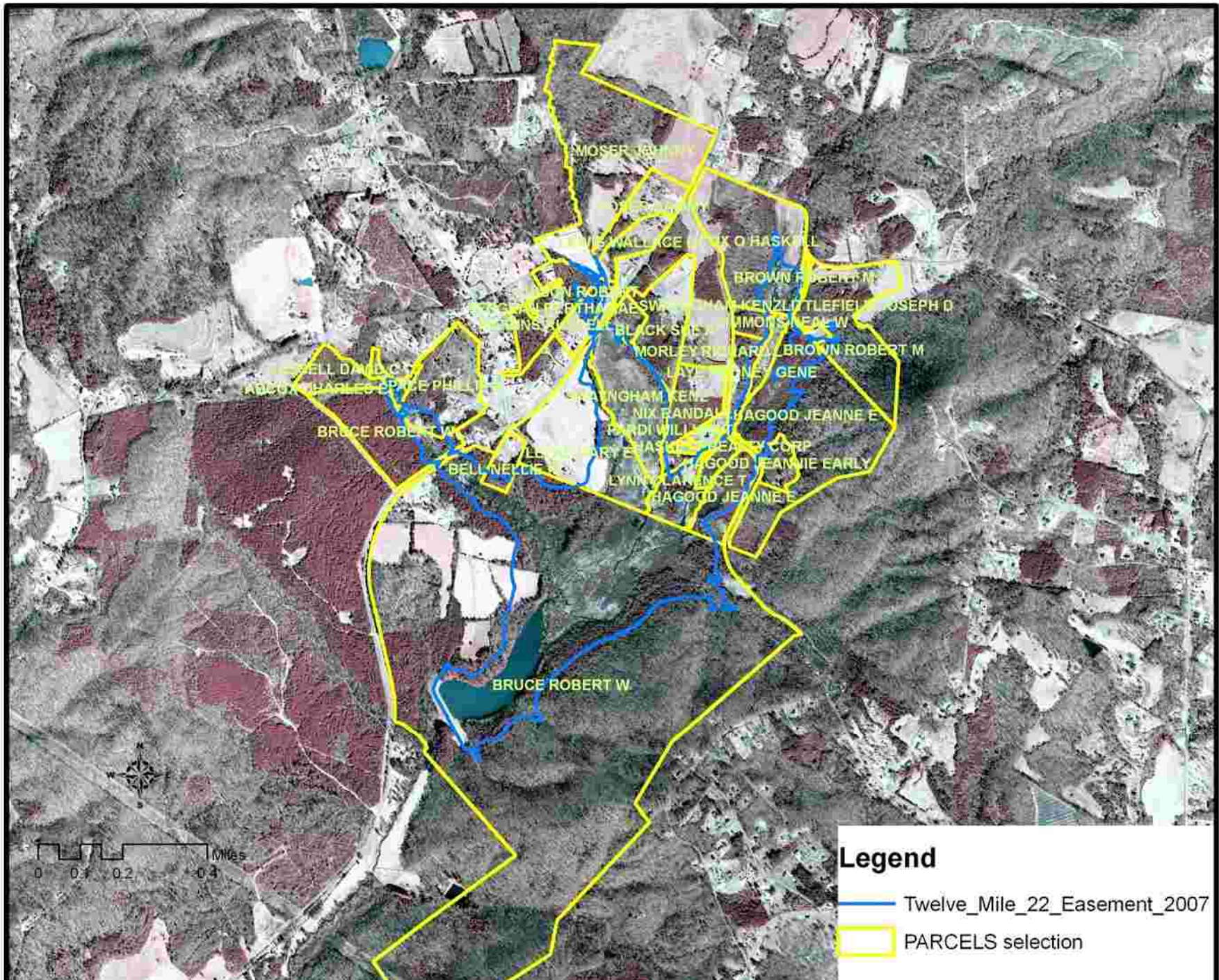
Page 1 Size 11 1/7 At 3.5" Ln 19 Col 1 PRG INV EXT ON

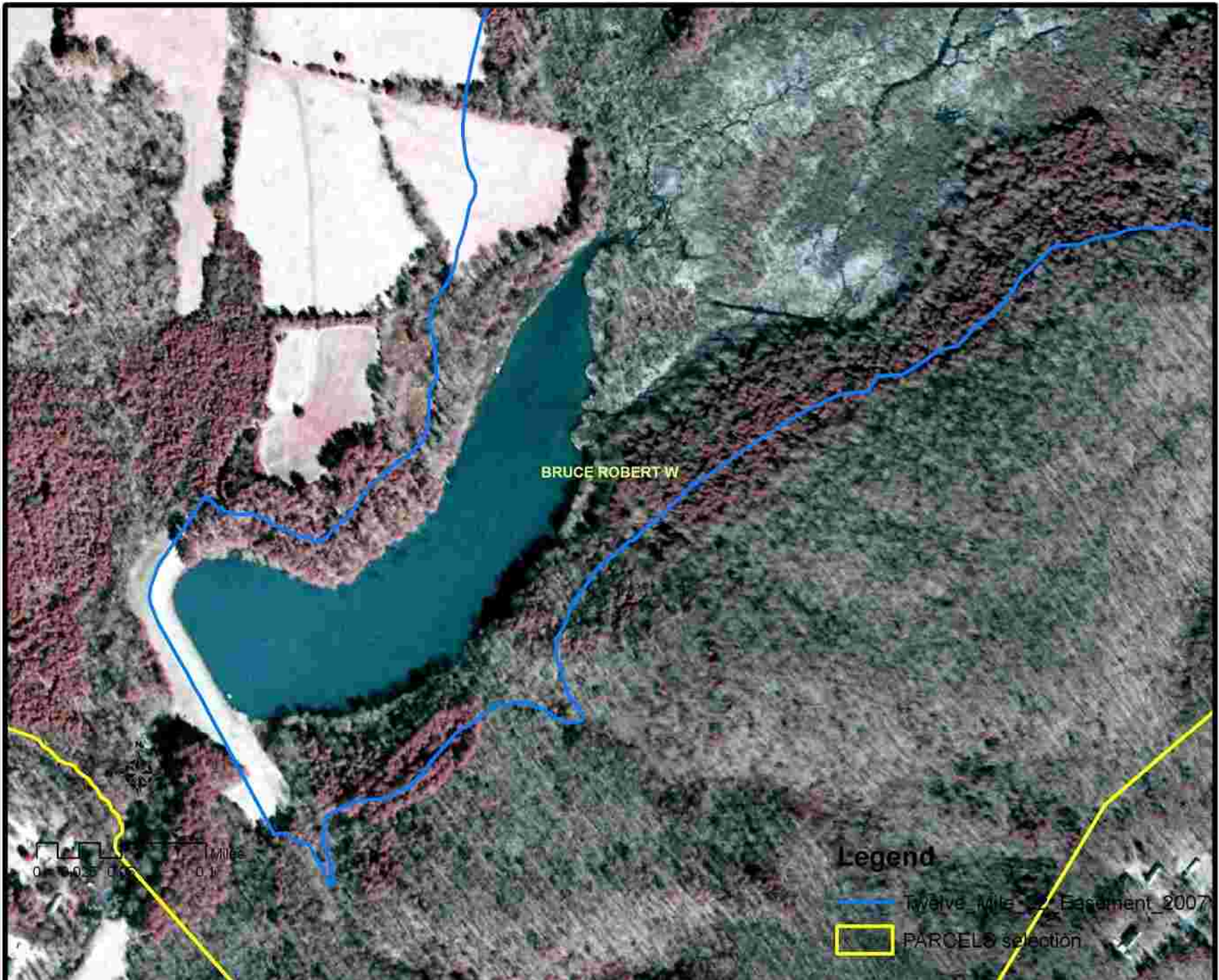
Conservation District Easement Management Policy

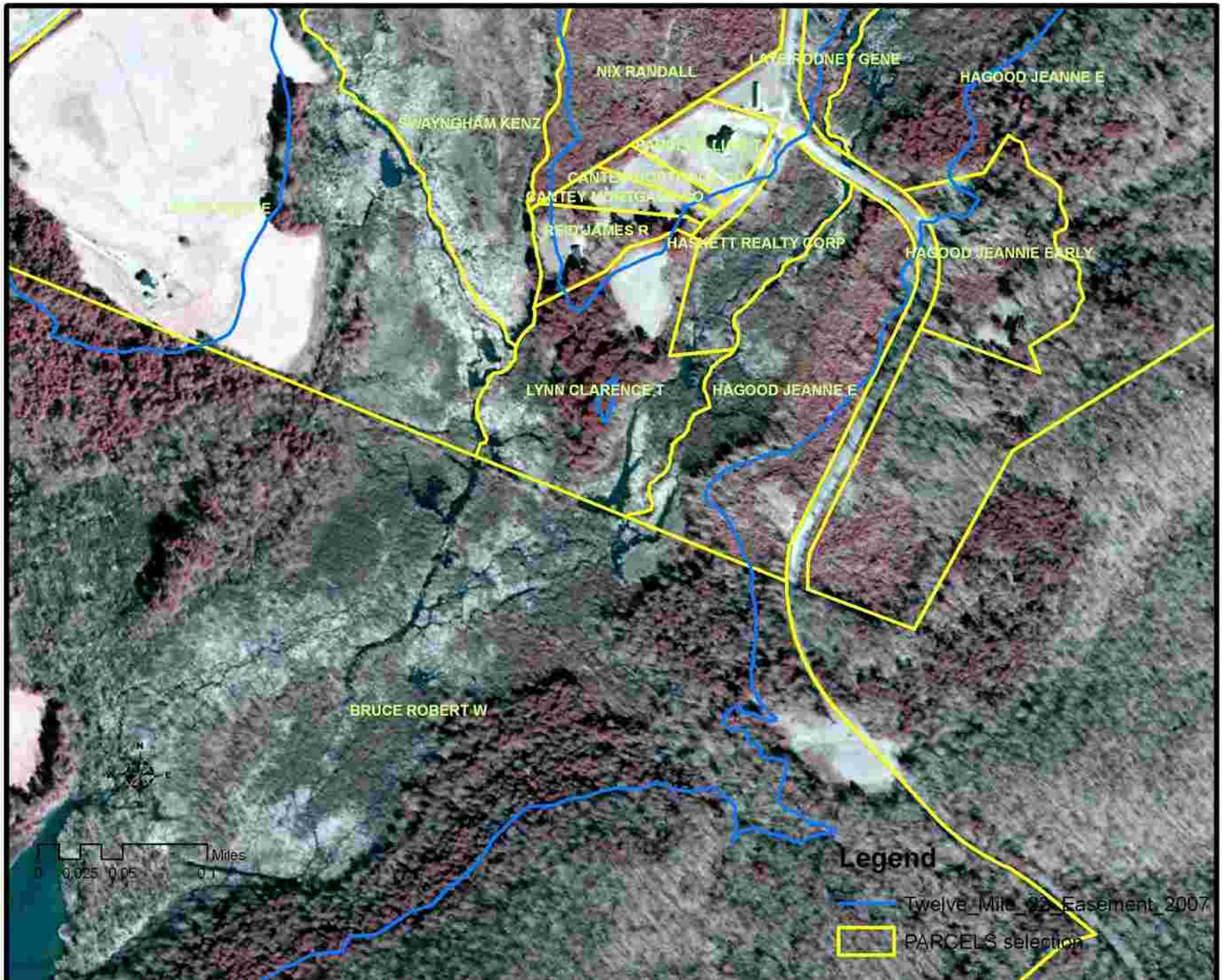
Easements on flood control structures throughout the state are sometimes encroached upon due to the fact that landowners are often not aware of what the easement entails. If the Pickens Conservation District has a flood easement on your property, it is there to protect the integrity of the flood control dam located on or downstream of your property and to be sure that you are aware that your property is subject to flooding. Care should be taken to protect your personal and real property from floodwater damage when the lake level rises. The following restrictions have been adopted to protect the dam, reservoir storage, and personal and real property. All restrictions will be enforced according to the terms of the easement. This list is not all inclusive and other issues will be addressed as they arise.

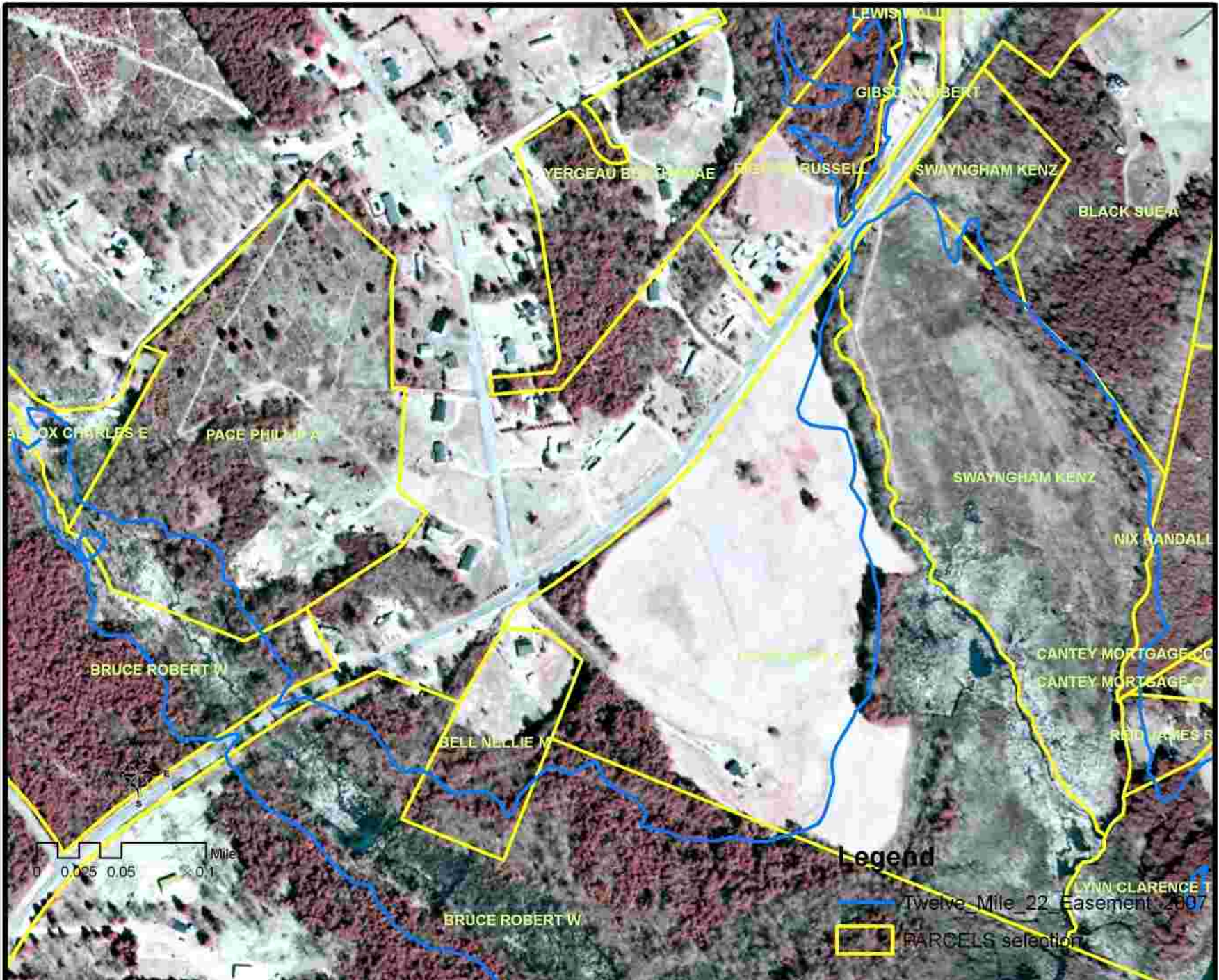
1. No building or construction of any kind (homes, camps, boat docks, picnic shelters etc.) without prior approval of Pickens Conservation District (District).
2. No storage of any materials (vehicles, equipment, hay, etc.) below top of dam elevation, including the emergency spillway.
3. All timber operations are to be approved by the District.
4. No fill material may be placed anywhere on site.
5. No earth moving or alterations without the District approval and supervision.
6. Riser gate/lift devices are to be operated by District staff only unless otherwise approved.
7. Private fish stocking of the reservoir is allowed, however the District assumes no responsibility to replace fish if the reservoir needs to be drained for any operation or maintenance purpose.
8. No building or filling to take place on/around the outlet channel (culverts, bridges, etc.) without prior approval of District.
9. Rotational grazing may be allowed at the discretion of District.
10. All fences around project area will be maintained as long as there is a need (i.e. livestock). The District must approve any additional fencing requested by landowner.
11. Boat access is permitted, however no gasoline motors are to be used unless otherwise approved. No storage of boats around flood pool or any other part of the project area is permitted.
12. No recreational vehicle traffic (four wheelers, trucks, etc.) allowed on dam or auxiliary spillway.

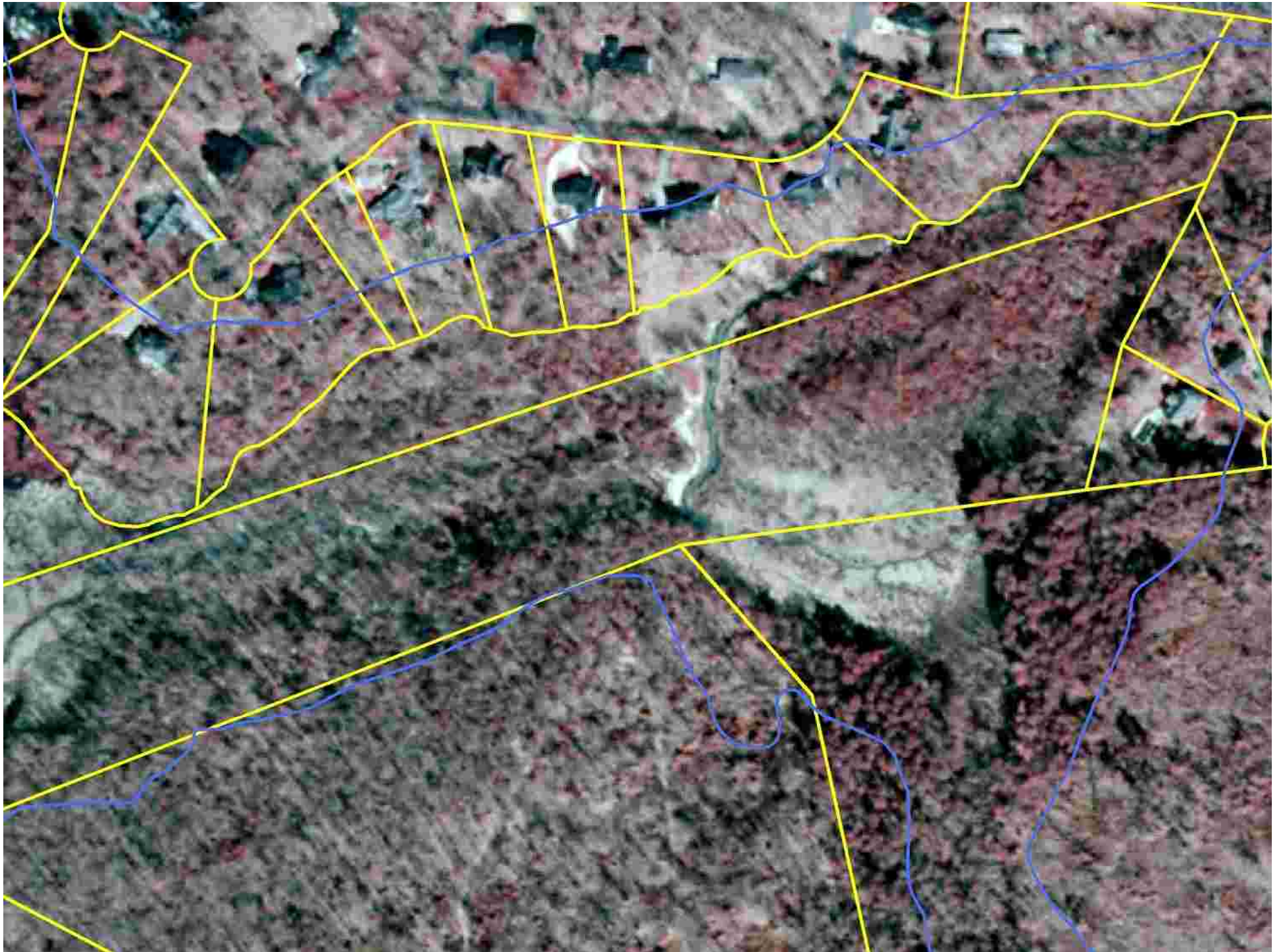












Leslie Morgan

SC Department of Natural Resources

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