

Water-Resource Development: A Strategic Plan

Summary of Water Systems

*Lake Cumberland Area Development
District*

Water Resource Development Commission

October, 1999

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Lake Cumberland Area Development District

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REGIONAL OVERVIEW

(Lake Cumberland ADD Existing & Proposed Water Lines Map)

- Estimated 1999 population of 189,000--80% on public water
- Estimated 2020 population of 205,000--89% on public water
- 3,700 miles of water lines, with plans for 920 additional miles
- Estimated funding needs for public water 2000-2005--\$31,600,000
- Estimated funding needs for public water 2006-2020--\$17,300,000

Lake Cumberland Area Development District had an estimated population of 188,668 (77,524 households) in 1999 with a projected population of 205,195 (90,736 households) in 2020. There are 3,700 miles of water lines in the region serving 148,000 people, or 80% of the region's population. 920 miles of proposed water line extensions for the period 2000-2020 would provide service to an additional 9,000 households. About 37,800 people in the region rely on private domestic water systems: 23,800 on wells and 14,000 on hauled water and other sources.

Estimated populations and public water service for the ten counties in the region is given below:

County	1999 Pop	On Public	2020 Pop	On Public
Adair	16,200	11,300 (70%)	17,800	17,800 (100%)
Casey	14,500	9,400 (65%)	14,300	10,600 (74%)
Clinton	9,300	8,400 (90%)	9,200	8,400 (91%)
Cumberland	6,800	6,400 (94%)	6,600	6,500 (99%)
Green	10,500	10,000 (95%)	10,400	10,400 (100%)
McCreary	16,600	13,300 (80%)	18,400	15,300 (83%)
Pulaski	56,800	46,600 (82%)	65,900	60,600 (92%)
Russell	16,500	11,600 (70%)	18,100	14,700 (81%)
Taylor	22,500	19,100 (85%)	23,800	20,900 (88%)
Wayne	18,900	14,200 (75%)	20,900	16,700 (80%)
<i>Region</i>	<i>189,000</i>	<i>150,000 (80%)</i>	<i>205,000</i>	<i>182,000 (89%)</i>



EXISTING & PROPOSED WATER LINES LCADD Kentucky

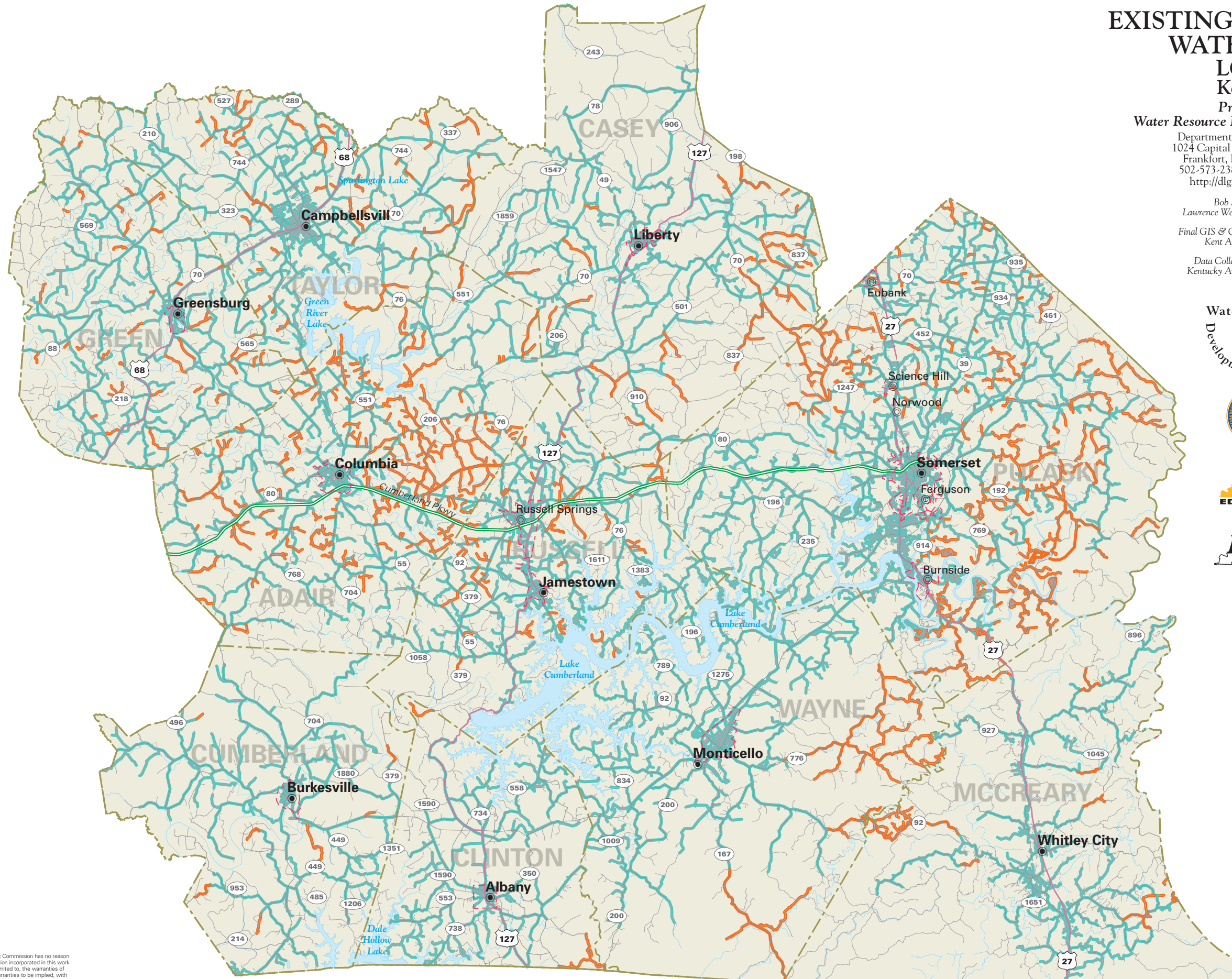
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WATER LINES

-  Existing Water Lines
-  Proposed Water Lines

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32 public water systems serve the region: 26 community systems--11 municipal, 9 water districts, 6 water associations -- and 5 non-community systems. There are 5 small (501 to 3,300 people served) community systems.

Estimated costs for public water expansions and associated system upgrades are:

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
ADAIR								-
Adair Co. W D	76.3	1088	3,966					3,966
Total	76.3	1088	3,966					3,966
CASEY								-
Casey Co. W/D	28.2	336	1,467					1,467
Total	28.2	336	1,467					1,467
CLINTON								-
Albany	9.6	44	497					497
Total	9.6	44	497					497
GREEN								-
Green-Taylor Water District	21.7	191	1,000					1,000
Total	21.7	191	1,000					1,000
McCREARY								-
McCreary Co. Water District	39.9	238	1,554					1,554
Total	39.9	238	1,554					1,554
PULASKI								-
Science Hill	19.4	236	666				417	1,083
SE Water Association.	164	2047	8,999				3,825	12,824
Eubank	31.1	165	643				338	981
Total	214.5	2448	10,308				4,580	14,888
RUSSELL								-
Jamestown	7.2	274	373					373
Russell Springs	10.8	341	560					560
Total	18	615	933					933
TAYLOR								-
Campbellsville Water Co.	44.2	151	2,063				850	2,913
Total	44.2	151	2,063				850	2,913
WAYNE								-
Monticello	63.7	350	3,313				1,100	4,413
Total	63.7	350	3,313				1,100	4,413
LAKE CUMBERLAND	516	5,461	25,101	-	-	-	6,530	31,631

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
ADAIR								-
Adair Co. W/D	147.3	1905	5,892					5,892
Total	147.3	1905	5,892					5,892
CASEY								-
Casey Co. W/D	16.9	194	510				425	935
Total	16.9	194	510				425	935
CLINTON								-
Albany								-
Total								-
CUMBERLAND								-
Cumberland Co. W/D	10.9	109	568					568
Total	10.9	109	568					568
GREEN								-
Green-Taylor	16.1	154	640					640
Total	16.1	154	640					640
McCREARY								-
McCreary Co. W/d								-
Total								-
PULASKI								-
Science Hill	10.3	90	381					381
SE Water Asoc.	69.5	374	2,881					2,881
Eubank	36	122	1,080					1,080
Western Pulaski W/D	2.9	18	116					116
Total	118.7	604	4,458					4,458
RUSSELL								-
Jamestown	12.2	159	490					490
Russell Springs	11.1	134	442					442
Total	23.3	293	932					932
TAYLOR								-
Campbellsville Water Co.	45.5	180	1,820				850	2,670
Total	45.5	180	1,820				850	2,670
WAYNE								-
Monticello	22.4	135	1,163					1,163
Total	22.4	135	1,163					1,163
LAKE CUMBERLAND	401	3,574	15,983	-	-	-	1,275	17,258

ADAIR COUNTY

(Adair County Water Service Area Map)

- Estimated 1999 population of 16,200--70% on public water
- Estimated 2020 population of 17,800--100% on public water
- 375 miles of water lines, with plans for 225 additional miles
- Estimated funding needs for public water 2000-2005--\$3,966,000
- Estimated funding needs for public water 2006-2020--\$5,892,000

Adair County had an estimated population of 16,243 (6,752 households) in 1999 with a projected population of 17,753 (7,827 households) in 2020. Public water is provided to about 70 percent of the county's residents. In areas of the county not served by public water, about 75 percent of the households rely on private domestic wells and 25 percent of the households rely on other sources. Virtually 100 percent of the count will be provided public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
ADAIR								-
Adair Co. W/D	76.3	1,088	3,966					3,966
Total	76.3	1,088	3,966					3,966

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
ADAIR								-
Adair Co. W/D	147.3	1,905	5,892					5,892
Total	147.3	1,905	5,892					5,892

PUBLIC WATER SYSTEMS

Adair County has 2 public water systems, both water districts: Columbia Utilities Commission and Adair County Water District. A small area of the southeastern part of the county is also served by the Jamestown Utilities Commission.

WATER SERVICE AREAS

ADAIR COUNTY

Kentucky

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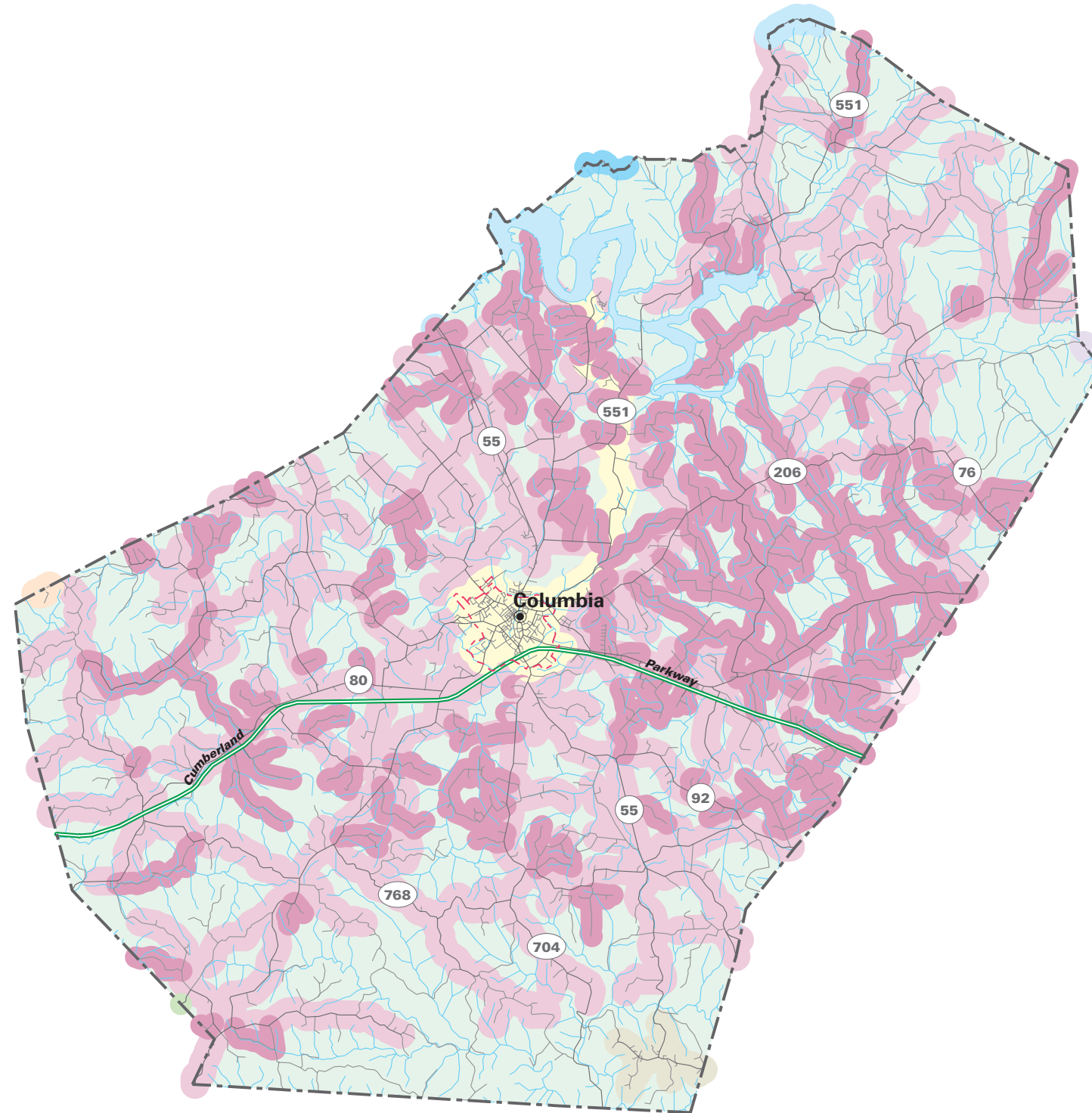
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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	OWNER
		RUSSELL SPRINGS WATER WORKS
		JAMESTOWN UTILITIES COMMISSION
		GREENTAYLOR WATER DISTRICT
		EDMONTON WATER WORKS
		EAST CASEY COUNTY WATER DISTRICT
		COLUMBIA UTILITIES COMMISSION
		CAMPBELLSVILLE WATER COMPANY
		ADAIR COUNTY WATER DISTRICT

COLUMBIA UTILITIES COMMISSION

PWSID: 0010082
System Type:..... COMMUNITY
Owner Type:..... WATER DISTRICT
Surface Source:..... RUSSELL CREEK
Purchase Source:
Well Source:
Sells Water to: ADAIR COUNTY WATER DISTRICT
Treatment Plant Capacity (MGD):..... 2.00
Percent Daily Average Production:..... 55.00
Total Tank Storage Capacity (gallons): 0.00
Total Service Connections: 1,559.00
Number of Employees:..... 17.00
Treatment Operator Class:2D
Distribution Operator Class:.....3A
Customer Rate for 1,000 Gallons:..... Not available
O/M costs 1997:..... Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons):..... Not available
Water Sold 1997 (gallons):..... Not available
Unaccounted-for Water 1997 (%): Not available

ADAIR COUNTY WATER DISTRICT

PWSID: 0010702
System Type:..... COMMUNITY
Owner Type:..... WATER DISTRICT
Surface Source:
Purchase Source: RUSSELL SPRINGS WATER WORKS
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD):..... 0.00
Percent Daily Average Production:..... 0.00
Total Tank Storage Capacity (gallons): 139,000.00
Total Service Connections: 3,590.00
Number of Employees:..... 9.00
Treatment Operator Class:2D
Distribution Operator Class:
Customer Rate for 1,000 Gallons:..... 4.90
O/M costs 1997:..... 802,698.00
O/M costs per Service Connection: 223.97
Net Revenue 1997: 72,986.00
Total Water Produced 1997 (gallons):..... 0.00
Water Sold 1997 (gallons):..... 188,130,300.00
Unaccounted-for Water 1997 (%): 8.91

PRIVATE DOMESTIC SYSTEMS

About 4,800 people in Adair County rely on private domestic water supplies: 3,600 on wells and 1,200 on other sources.

About three-fourth of the wells drilled in the uplands of central Adair County yield enough water for a domestic supply with some yields greater than 50 gpm to wells from large solution openings in karst areas. In the rest of the county very few wells yield enough water for a domestic supply except in a few lowland areas bordering streams where yields are sufficient for a few wells to meet the supply needs for domestic use.

Numerous small springs and seeps are found throughout the county. Most discharge from small solution openings and joints in limestone or siltstone and are supported by shale layers. Flows are as much as 100 gpm, but most have minimum flows of less than 1 gpm.

CASEY COUNTY

(Casey County Water Service Area Map)

- Estimated 1999 population of 14,500--65% on public water
- Estimated 2020 population of 14,300--74% on public water
- 320 miles of water lines, with plans for 45 additional miles
- Estimated funding needs for public water 2000-2005--\$1,467,000
- Estimated funding needs for public water 2006-2020--\$935,000

Casey County had an estimated population of 14,484 (5,957 households) in 1999 with a projected population of 14,291 (6,182 households) in 2020. Public water is provided to about 65 percent of the county's residents. In areas of the county not served by public water, about 70 percent of the households rely on private domestic wells and 30 percent of the households rely on other sources. About 530 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
CASEY								-
Casey Co. W/D	28.2	336	1,467					1,467
Total	28.2	336	1,467					1,467

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
CASEY								-
Casey Co. W/D	16.9	194	510				425	935
Total	16.9	194	510				425	935

PUBLIC WATER SYSTEMS

Casey County has 2 public water systems: 1 municipality, Liberty Water Works; and 1 water district, East Casey County Water District. The eastern part of the county is also served by Eubank Water System.

WATER SERVICE AREAS CASEY COUNTY Kentucky

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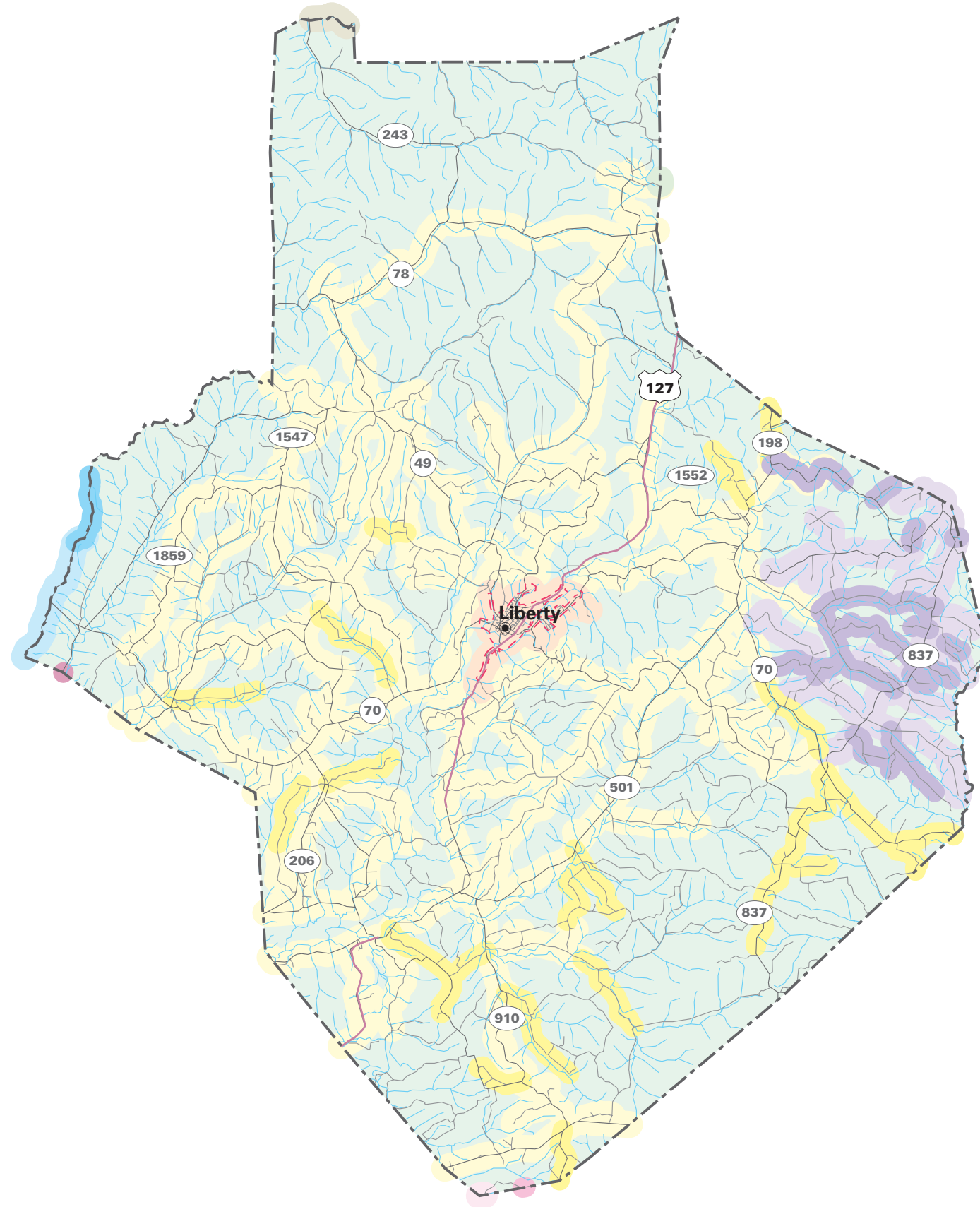
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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	OWNER
		RUSSELL SPRINGS WATER AND SEWER SYSTEM
		PARKSVILLE WATER DISTRICT
		LIBERTY WATER WORKS
		HUSTONVILLE WATER WORKS
		EUBANK WATER DISTRICT
		EAST CASEY COUNTY WATER DISTRICT
		CAMPBELLVILLE MUNICIPAL WATER SYSTEM
		ADAIR COUNTY WATER DISTRICT

EAST CASEY COUNTY WATER DISTRICT

PWSID: 0230556
 System Type:..... COMMUNITY
 Owner Type:..... WATER DISTRICT
 Surface Source:
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD):..... 0.00
 Percent Daily Average Production:..... 0.00
 Total Tank Storage Capacity (gallons): 200,000.00
 Total Service Connections: 2,100.00
 Number of Employees:..... 5.00
 Treatment Operator Class:2D
 Distribution Operator Class:
 Customer Rate for 1,000 Gallons:..... 5.34
 O/M costs 1997:..... 421,579.00
 O/M costs per Service Connection: 197.92
 Net Revenue 1997: 94,413.00
 Total Water Produced 1997 (gallons):..... 0.00
 Water Sold 1997 (gallons):..... 98,869,000.00
 Unaccounted-for Water 1997 (%): 19.37

LIBERTY WATER WORKS

PWSID: 0230987
 System Type:..... COMMUNITY
 Owner Type:..... MUNICIPAL
 Surface Source:..... LIBERTY WATER WORKS
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD):..... 1.30
 Percent Daily Average Production:..... 54.00
 Total Tank Storage Capacity (gallons): 200,000.00
 Total Service Connections: 990.00
 Number of Employees:..... 10.00
 Treatment Operator Class:2D
 Distribution Operator Class:.....3A
 Customer Rate for 1,000 Gallons:..... Not available
 O/M costs 1997:..... Not available
 O/M costs per Service Connection: Not available
 Net Revenue 1997: Not available
 Total Water Produced 1997 (gallons):..... Not available
 Water Sold 1997 (gallons):..... Not available
 Unaccounted-for Water 1997 (%): Not available

PRIVATE DOMESTIC SYSTEMS

About 5,100 people in Casey County rely on private domestic water supplies: 3,550 on wells, and 1,550 on other sources.

In the uplands of far eastern Casey County about three-fourth of the wells drilled yield enough water for a domestic supply. In the rest of the county very few wells yield enough water for a domestic supply except in a few lowland areas bordering streams where yields are sufficient for a few wells to meet the supply needs for domestic use. Due to perched water bodies with limited recharge zones many wells in this area go dry in late summer and fall.

Numerous small springs and seeps are found throughout the county. Most discharge from small solution openings and joints in limestone or siltstone and are supported by shale layers. Flows are as much as 20 gpm, but most have minimum flows of less than 1 gpm.

CLINTON COUNTY

(Clinton County Water Service Area Map)

- Estimated 1999 population of 9,300--90% on public water
- Estimated 2020 population of 9,200--91% on public water
- 190 miles of water lines, with plans for 10 additional miles
- Estimated funding needs for public water 2000-2005--\$497,000
- Estimated funding needs for public water 2006-2020--\$0

Clinton County had an estimated population of 9,285 (3,815 households) in 1999 with a projected population of 9,226 (4,042 households) in 2020. Public water is provided to about 90 percent of the county's residents. In areas of the county not served by public water, about 5 of 8 households rely on private domestic wells and 3 of 8 households rely on other sources. About 45 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
CLINTON								-
Albany	9.6	44	497					497
Total	9.6	44	497					497

PUBLIC WATER SYSTEMS

Clinton County has 1 community water system, the Albany Water System, and 1 non-community system. A few residents in the western part of the county may also be served by the Cumberland County Water District.

ALBANY WATER WORKS

PWSID: 0270003
 System Type:..... COMMUNITY
 Owner Type:..... MUNICIPAL
 Surface Source:..... LAKE CUMBERLAND
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD):..... 2.00
 Percent Daily Average Production:..... 75.00
 Total Tank Storage Capacity (gallons): 50,000.00
 Total Service Connections: 3,600.00

WATER SERVICE AREAS CLINTON COUNTY Kentucky

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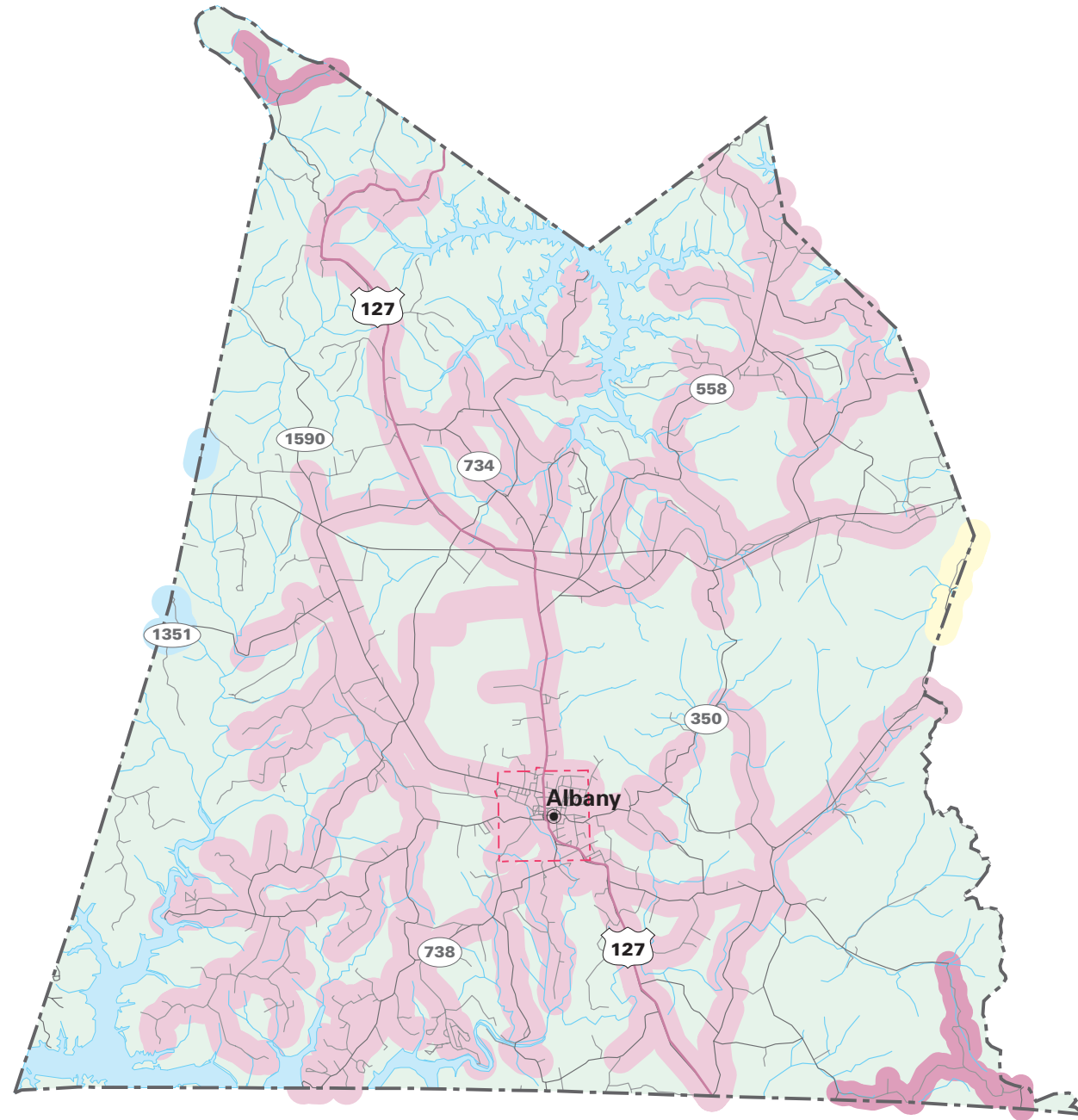
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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	OWNER
		MONTICELLO WATER AND SEWER COMMISSION
		CUMBERLAND COUNTY WATER DISTRICT
		ALBANY WATER WORKS

Number of Employees:.....	14.00
Treatment Operator Class:	2D
Distribution Operator Class:.....	3A
Customer Rate for 1,000 Gallons:.....	Not available
O/M costs 1997:.....	Not available
O/M costs per Service Connection:	Not available
Net Revenue 1997:	Not available
Total Water Produced 1997 (gallons):.....	Not available
Water Sold 1997 (gallons):.....	Not available
Unaccounted-for Water 1997 (%):	Not available

OTHER SYSTEMS

TROOPER ISLAND CAMP INC

Trooper Island Camp Inc is located in Clinton County. The system serves a population of 75 and has 1 service connections. The investor-owned, transient, non-community system has treatment capacity of 5,625 gallons per day. The water source is Dale Hollow Lake.

PRIVATE DOMESTIC SYSTEMS

About 925 residents of Clinton County rely on private domestic water supplies: 575 on wells and 350 on other sources.

In central and southeastern half of the county about three-quarters of the drilled wells yield enough water for domestic use. In low lying areas a few wells yield adequate amounts of water for a domestic supply except in areas close to the Cumberland River in the northwest corner of the county. In the northwest corner of the county most wells are adequate for a domestic supply, especially from wells that penetrate small solution openings within the limestone bedrock.

Springs are present throughout the county with flow rates ranging from several gallons per minute (gpm) too as high as 670 gpm. Some springs are sufficient to supply domestic needs however most springs go dry during extended dry periods in late summer and fall.

CUMBERLAND COUNTY

(Cumberland County Water Service Area Map)

- Estimated 1999 population of 6,800--94% on public water
- Estimated 2020 population of 6,600--99% on public water
- 235 miles of water lines, with plans for 11 additional miles
- Estimated funding needs for public water 2000-2005--\$0
- Estimated funding needs for public water 2006-2020--\$568,000

Cumberland County had an estimated population of 6,798 (2,894 households) in 1999 with a projected population of 6,580 (2,845 households) in 2020. Public water is provided to about 94 percent of the county's residents. In areas of the county not served by public water, about 3/4 of the households rely on private domestic wells and 1/4 households rely on other sources. About 110 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
CUMBERLAND								-
Cumberland Co. W/D	10.9	109	568					568
Total	10.9	109	568					568

PUBLIC WATER SYSTEMS

Cumberland County is served by 1 municipal water system, Burkesville Water Works, 1 water district, Cumberland County Water District, and 1 non-community system.

BURKESVILLE WATER WORKS

PWSID: 0290049
 System Type:..... COMMUNITY
 Owner Type:..... MUNICIPAL
 Surface Source:..... CUMBERLAND RIVER
 Purchase Source:
 Well Source:

WATER SERVICE AREAS CUMBERLAND COUNTY Kentucky

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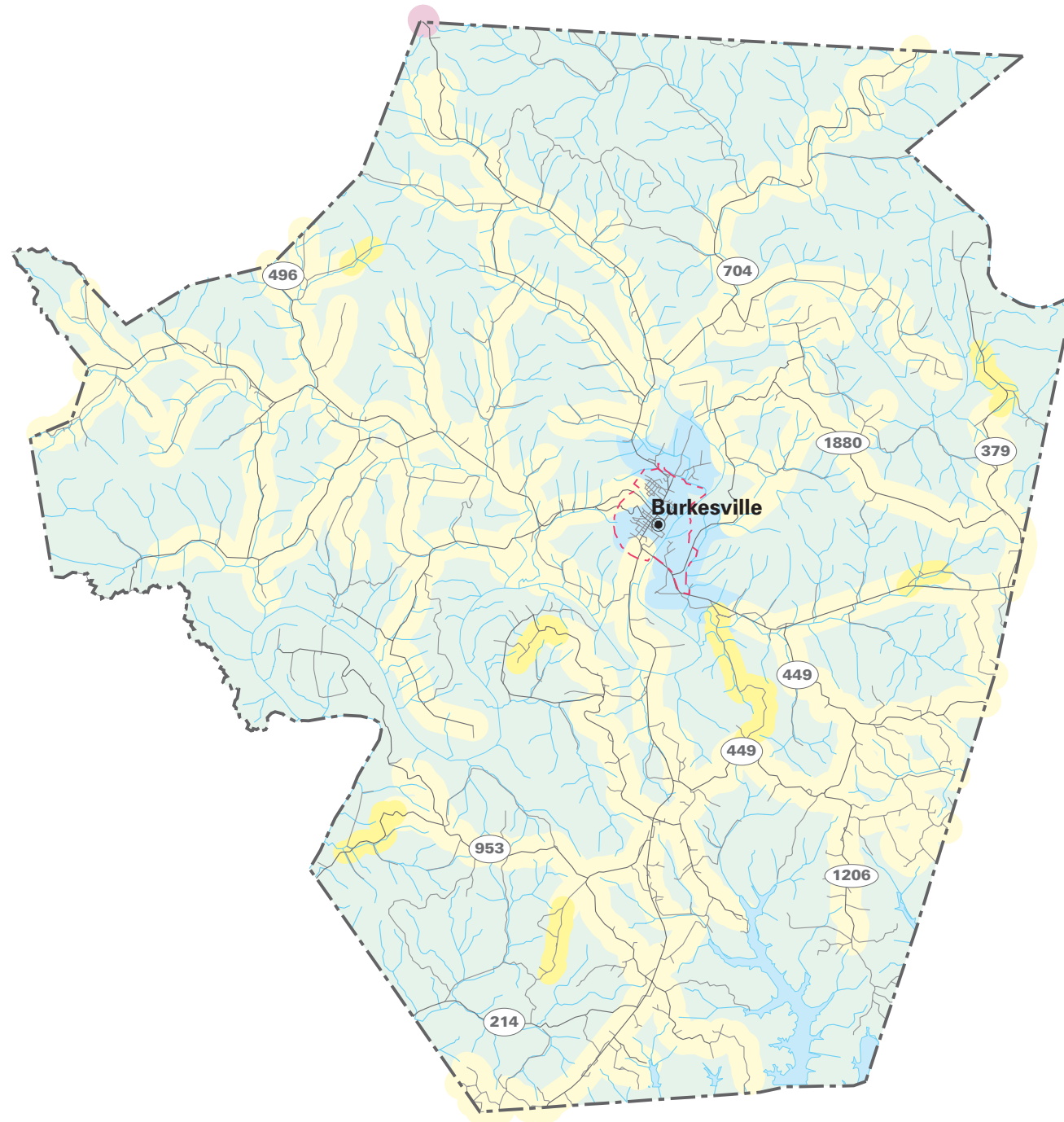
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Final GIS & Cartographic Operations By:
Kent Anness & Kim Prough

Data Collection & GIS Input By:
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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	
		CUMBERLAND COUNTY WATER DISTRICT
		BURKESVILLE WATER WORKS
		ADAIR COUNTY WATER DISTRICT

Sells Water to:
 Treatment Plant Capacity (MGD):..... 0.50
 Percent Daily Average Production:..... 88.00
 Total Tank Storage Capacity (gallons):..... 25,000.00
 Total Service Connections: 1,039.00
 Number of Employees:..... 4.00
 Treatment Operator Class:2D
 Distribution Operator Class:.....3A
 Customer Rate for 1,000 Gallons:..... Not available
 O/M costs 1997:..... Not available
 O/M costs per Service Connection: Not available
 Net Revenue 1997: Not available
 Total Water Produced 1997 (gallons):..... Not available
 Water Sold 1997 (gallons):..... Not available
 Unaccounted-for Water 1997 (%): Not available

CUMBERLAND COUNTY WATER DISTRICT

PWSID: 0290271
 System Type:..... COMMUNITY
 Owner Type: WATER DISTRICT
 Surface Source:..... CUMBERLAND RIVER
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD):..... 0.00
 Percent Daily Average Production:..... 42.00
 Total Tank Storage Capacity (gallons):..... 0.00
 Total Service Connections: 1,683.00
 Number of Employees:..... 0.00
 Treatment Operator Class:2D
 Distribution Operator Class:.....3A
 Customer Rate for 1,000 Gallons:..... 4.75
 O/M costs 1997:..... 361,060.00
 O/M costs per Service Connection: 197.95
 Net Revenue 1997: 139,898.00
 Total Water Produced 1997 (gallons):..... 76,210,000.00
 Water Sold 1997 (gallons):..... 101,537,000.00
 Unaccounted-for Water 1997 (%): 9.03

OTHER SYSTEMS

HENDRICKS CREEK RESORT

Hendricks Creek Resort is located in Cumberland County. The system serves a population of 99 and has 1 service connection. The private, transient, non-community system has treatment capacity of 10,000 gallons per day. The water source is Dale Hollow Lake.

PRIVATE DOMESTIC SYSTEMS

About 400 residents of Cumberland County rely on private domestic water supplies: 300 on wells and 100 on other sources.

In the bottoms along the Cumberland River many drilled wells will produce enough water for a domestic supply. In most of Cumberland County wells will not produce enough water for a domestic supply except in a few wells in lowland areas bordering streams which can yield enough for a domestic supply.

Small springs and wet weather seeps occur in many areas throughout the county. Flows generally do not exceed several gallons a minute and most go dry during extended dry periods in late summer and fall.

GREEN COUNTY

(Green County Water Service Area Map)

- Estimated 1999 population of 10,500--95% on public water
- Estimated 2020 population of 10,400--100% on public water
- 365 miles of water lines, with plans for 38 additional miles
- Estimated funding needs for public water 2000-2005--\$1,000,000
- Estimated funding needs for public water 2006-2020--\$640,000

Green County had an estimated population of 10,468 (4,510 households) in 1999 with a projected population of 10,364 (4,684 households) in 2020. Public water is provided to about 95 percent of the county's residents. In areas of the county not served by public water, about 56 percent of the households rely on private domestic wells and 44 percent of the households rely on other sources. Virtually 100 percent of the county will be on public water service after new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
GREEN								-
Green-Taylor Water District	21.7	191	1,000					1,000
Total	21.7	191	1,000					1,000

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
GREEN								
Green-Taylor	16.1	154	640					640
Total	16.1	154	640					640

PUBLIC WATER SYSTEMS

Green County has 2 public water systems: 1 municipal, Greensburg Water Works; 1 water district, Green Taylor Water District. The western part of the county is also served by Green River Valley Water District.

WATER SERVICE AREAS GREEN COUNTY Kentucky

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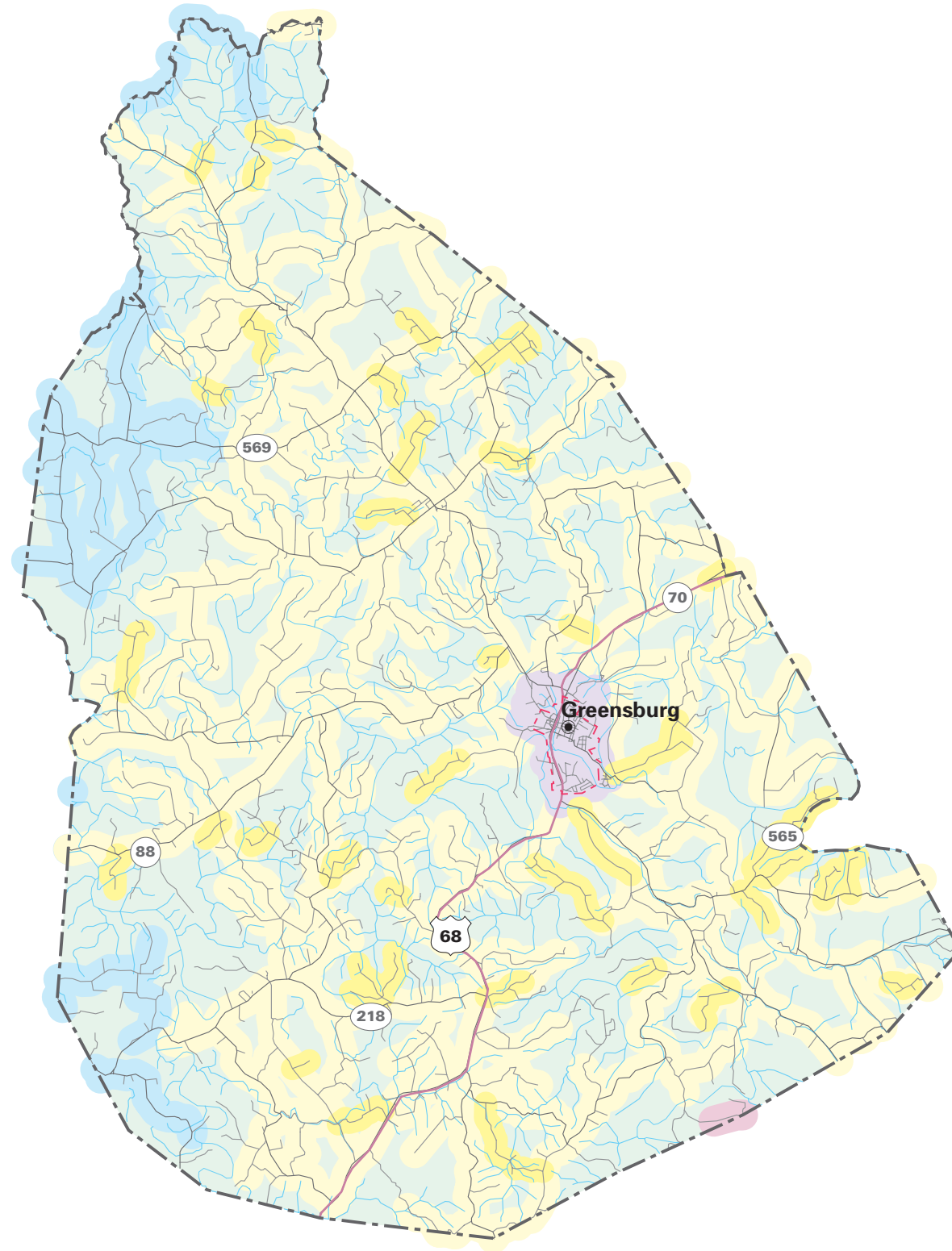
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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	OWNER
		GREENSBURG WATER WORKS
		GREENTAYLOR WATER DISTRICT
		GREEN RIVER VALLEY WATER DISTRICT
		ADAIR COUNTY WATER DISTRICT

GREEN TAYLOR WATER DISTRICT

PWSID: 0440167
 System Type:..... COMMUNITY
 Owner Type:..... WATER DISTRICT
 Surface Source:
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD):..... 0.00
 Percent Daily Average Production:..... 0.00
 Total Tank Storage Capacity (gallons):..... 0.00
 Total Service Connections: 3,650.00
 Number of Employees:..... 9.00
 Treatment Operator Class:2D
 Distribution Operator Class:
 Customer Rate for 1,000 Gallons:..... 5.78
 O/M costs 1997:..... 925,186.00
 O/M costs per Service Connection: 252.23
 Net Revenue 1997: 56,104.00
 Total Water Produced 1997 (gallons):..... 0.00
 Water Sold 1997 (gallons):..... 220,832,101.00
 Unaccounted-for Water 1997 (%): 9.03

GREENSBURG WATER WORKS

PWSID: 0440168
 System Type:..... COMMUNITY
 Owner Type:..... MUNICIPAL
 Surface Source:..... GREEN RIVER
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD):..... 1.40
 Percent Daily Average Production:..... 77.00
 Total Tank Storage Capacity (gallons):..... 200,000.00
 Total Service Connections: 950.00
 Number of Employees:..... 3.00
 Treatment Operator Class:2D
 Distribution Operator Class:.....3A
 Customer Rate for 1,000 Gallons:..... Not available
 O/M costs 1997:..... Not available
 O/M costs per Service Connection: Not available
 Net Revenue 1997: Not available
 Total Water Produced 1997 (gallons):..... Not available
 Water Sold 1997 (gallons):..... Not available
 Unaccounted-for Water 1997 (%): Not available

PRIVATE DOMESTIC SYSTEMS

About 500 people in Green County rely on private domestic water supplies: about 300 on wells and 200 on other sources.

In the limestone rich area of Green County more than three-quarters of the drilled wells in the uplands are adequate for a domestic supply. Yields as high as 50 gpm have been reported from wells penetrating large solution channels. In the low-lying areas in the Green and Barren River valleys, only a few wells yield enough water for a domestic supply.

Springs with flows ranging from a few gallons per minute to 318 gpm are found in the county. Minimum flow generally occurs in early fall, maximum flows in late winter.

MCCREARY COUNTY

(McCreary County Water Service Area Map)

- Estimated 1999 population of 16,600--80% on public water
- Estimated 2020 population of 18,400--83% on public water
- 245 miles of water lines, with plans for 40 additional miles
- Estimated funding needs for public water 2000-2005--\$1,554,000
- Estimated funding needs for public water 2006-2020--\$0

McCreary County had an estimated population of 16,630 (6,015 households) in 1999 with a projected population of 18,417 (7,683 households) in 2020. Public water is provided to about 80 percent of the county's residents. In areas of the county not served by public water, about 70 percent of the households rely on private domestic wells and 30 percent of the households rely on other sources. About 240 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
McCREARY								-
McCreary Co. Water District	39.9	238	1,554					1,554
Total	39.9	238	1,554					1,554

PUBLIC WATER SYSTEMS

The residents of McCreary County are served by the McCreary County Water District.

MCCREARY COUNTY WATER DISTRICT

PWSID: 0740276
 System Type:..... COMMUNITY
 Owner Type:..... WATER DISTRICT
 Surface Source:..... LAUREL CREEK RESERVOIR
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD):..... 1.50
 Percent Daily Average Production:..... 87.00
 Total Tank Storage Capacity (gallons): 200,000.00
 Total Service Connections: 5,300.00
 Number of Employees:..... 19.00
 Treatment Operator Class:3D

WATER SERVICE AREAS MCCREARY COUNTY Kentucky

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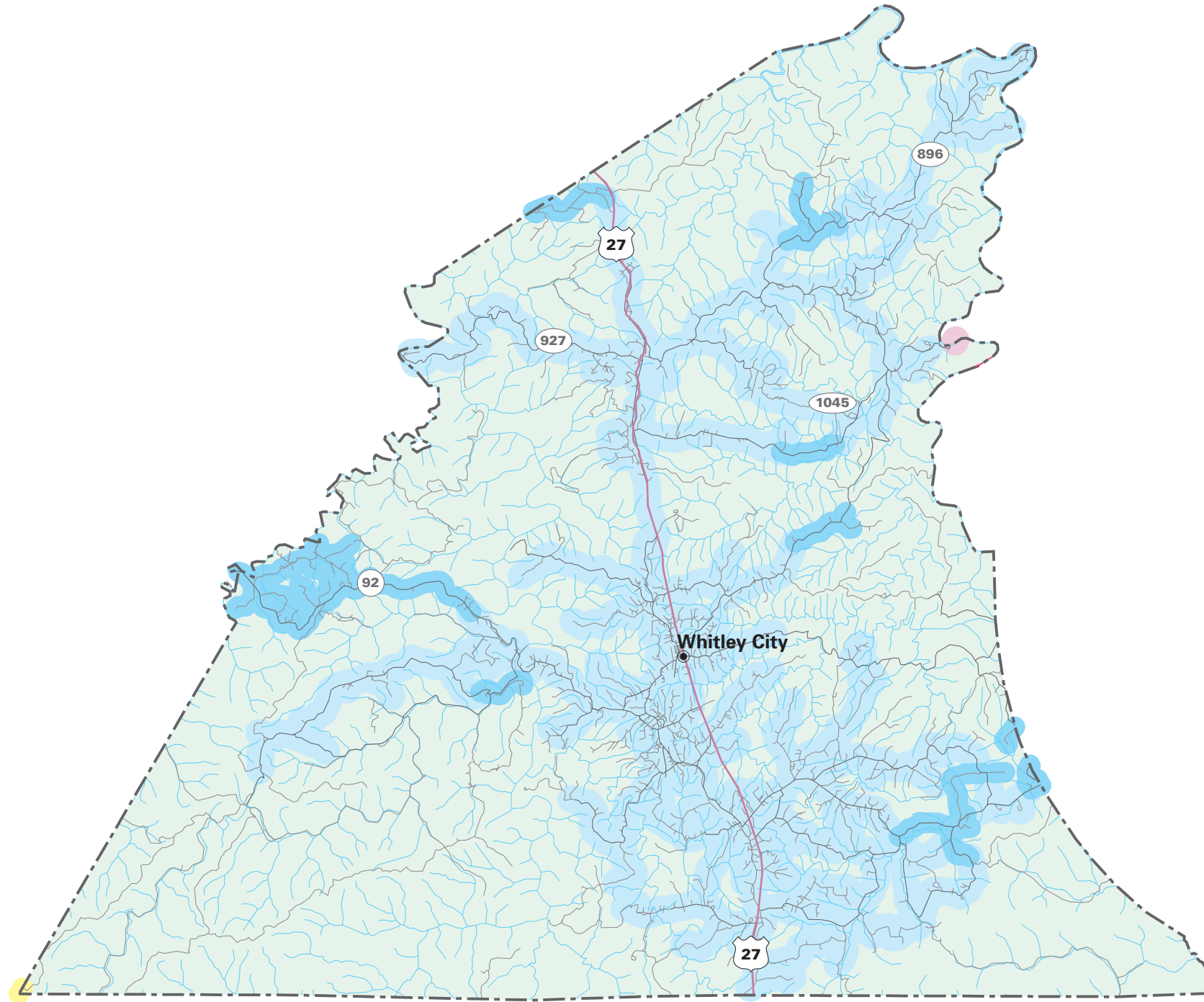
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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	OWNER
		MONTICELLO WATER AND SEWER COMMISSION
		MCCREARY COUNTY WATER DISTRICT
		CUMBERLAND FALLS STATE PARK

Distribution Operator Class:.....	3A
Customer Rate for 1,000 Gallons:.....	3.76
O/M costs 1997:.....	842,758.00
O/M costs per Service Connection:	159.07
Net Revenue 1997:	117,954.00
Total Water Produced 1997 (gallons):.....	426,295,000.00
Water Sold 1997 (gallons):.....	309,345,000.00
Unaccounted-for Water 1997 (%):	10.91

PRIVATE DOMESTIC SYSTEMS

About 3,300 people in McCreary County rely on private domestic water supplies: 2,300 on wells, and 1,000 on other sources.

Most of the wells drilled in the valley bottoms and hillsides are adequate for a domestic supply. About half the wells drilled on hilltops and ridges are adequate for domestic needs. Deep wells penetrating thick sections of sandstone greater than 500 feet may yield enough water for small utilities or industrial supplies.

Water obtained from most wells in this county is soft or moderately hard and contains noticeable amounts of iron. Salty water may be found in wells drilled 100 feet below the level of the principal valley bottoms.

In the limestone valleys of western McCreary County, springs are occasionally found with flows as large as 100 gpm. Throughout the county most springs, however, yield less than 5 gpm.

PULASKI COUNTY

(Pulaski County Water Service Area Map)

- Estimated 1999 population of 56,800--82% on public water
- Estimated 2020 population of 65,900--92% on public water
- 875 miles of water lines, with plans for 335 additional miles
- Estimated funding needs for public water 2000-2005--\$14,888,000
- Estimated funding needs for public water 2006-2020--\$4,458,000

Pulaski County had an estimated population of 56,807 (23,456 households) in 1999 with a projected population of 65,892 (29,575 households) in 2020. Public water is provided to about 82 percent of the county's residents. In areas of the county not served by public water, about 45 percent of the households rely on private domestic wells and 55 percent of the households rely on other sources. About 3,050 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
PULASKI								-
Science Hill	19.4	236	666				417	1,083
SE Water Association.	164	2,047	8,999				3,825	12,824
Eubank	31.1	165	643				338	981
Total	214.5	2,448	10,308				4,580	14,888

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
PULASKI								-
Science Hill	10.3	90	381					381
SE Water Asoc.	69.5	374	2,881					2,881
Eubank	36	122	1,080					1,080
Western Pulaski W/D	2.9	18	116					116
Total	118.7	604	4,458					4,458

PUBLIC WATER SYSTEMS

Pulaski County has 16 public water systems: 13 community--3 municipal, Burnside Water Company, Science Hill Water Works, and Somerset Water Service; 4 water districts, Eubank Water District, Western Pulaski County Water District/Pleasant, Western Pulaski County Water District, Western Pulaski County Water District/Oak Hill; 6 water

WATER SERVICE AREAS PULASKI COUNTY Kentucky

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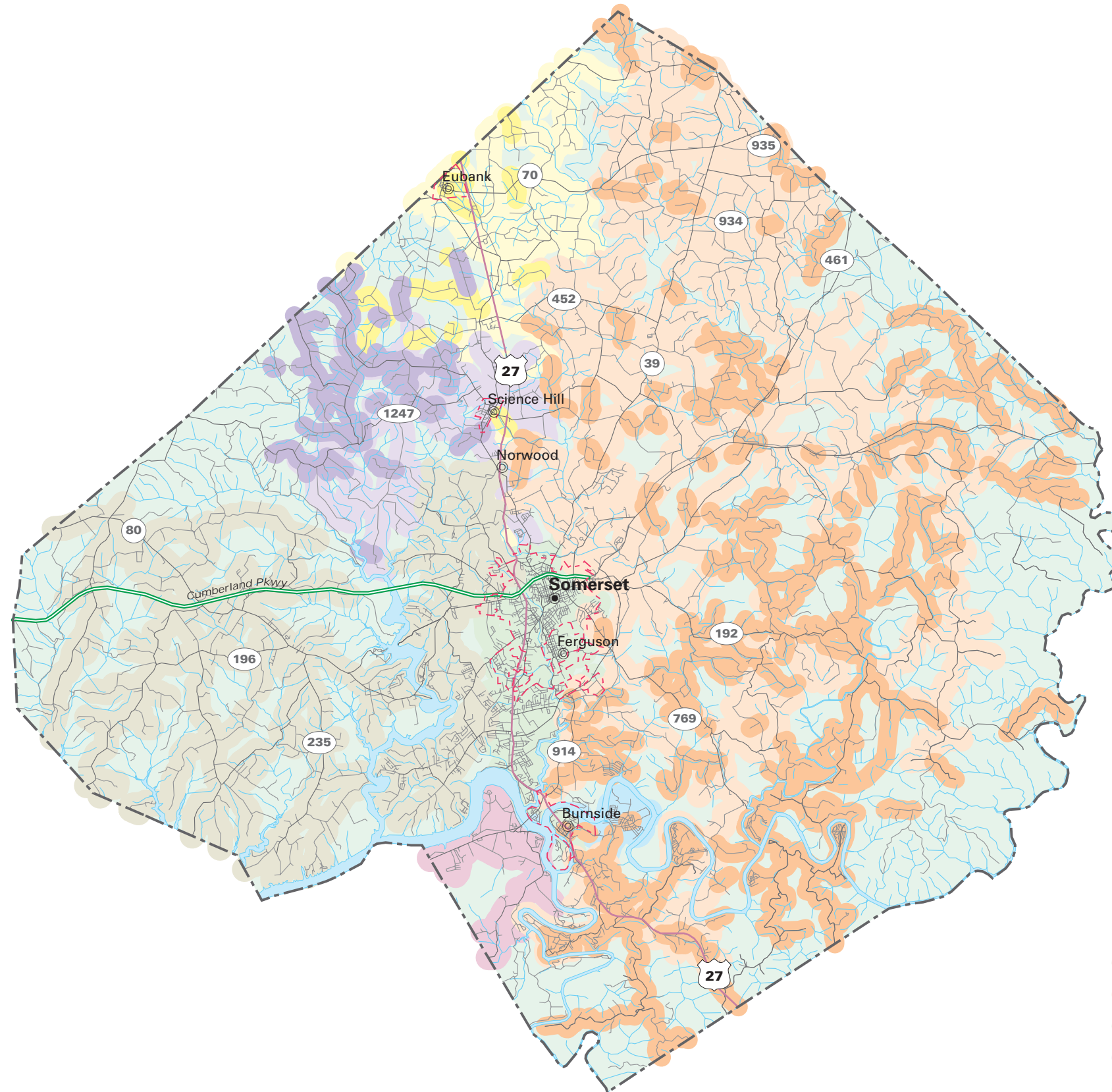
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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	OWNER
		WESTERN PULASKI COUNTY WATER DISTRICT
		SOUTHEASTERN WATER ASSOCIATION/NELSON VAL
		SOMERSET WATER SERVICE
		SCIENCE HILL WATER WORKS
		EUBANK WATER DISTRICT
		BURNSIDE WATER COMPANY
		BRONSTON WATER ASSOCIATION INCORPORATED

associations, Southeastern Water Association, Bronston Water Association, Inc., South Eastern Water Association/Nelson Valley, South Eastern Water Association/Tateville, South Eastern Water Association/Elihu Rush, Woodson Bend Property Owners Association- and 3 non-community systems.

BRONSTON WATER ASSOCIATON INCORPORATED

PWSID: 1000043
 System Type:..... COMMUNITY
 Owner Type: WATER ASSOCIATION
 Surface Source:
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD):..... 0.00
 Percent Daily Average Production:..... 0.00
 Total Tank Storage Capacity (gallons): 0.00
 Total Service Connections: 1,180.00
 Number of Employees:..... 2.00
 Treatment Operator Class:2D
 Distribution Operator Class:
 Customer Rate for 1,000 Gallons:..... 3.81
 O/M costs 1997:..... 217,847.00
 O/M costs per Service Connection: 186.19
 Net Revenue 1997: 8,794.00
 Total Water Produced 1997 (gallons):..... 0.00
 Water Sold 1997 (gallons): 59,591,000.00
 Unaccounted-for Water 1997 (%): 26.56

BURNSIDE WATER COMPANY

PWSID: 1000050
 System Type:..... COMMUNITY
 Owner Type: MUNICIPAL
 Surface Source: LAKE CUMBERLAND
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD):..... 0.32
 Percent Daily Average Production:..... 45.00
 Total Tank Storage Capacity (gallons): 200,000.00
 Total Service Connections: 635.00
 Number of Employees:..... 3.00
 Treatment Operator Class:2D
 Distribution Operator Class:.....2A
 Customer Rate for 1,000 Gallons:..... Not available
 O/M costs 1997:..... Not available
 O/M costs per Service Connection: Not available
 Net Revenue 1997: Not available
 Total Water Produced 1997 (gallons):..... Not available
 Water Sold 1997 (gallons): Not available
 Unaccounted-for Water 1997 (%): Not available

EUBANK MUNICIPAL WATER DISTRICT

PWSID: 1000124
 System Type:..... COMMUNITY
 Owner Type:..... WATER DISTRICT
 Surface Source:
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD):..... 0.00
 Percent Daily Average Production:..... 0.00
 Total Tank Storage Capacity (gallons): 75,000.00
 Total Service Connections: 3,200.00
 Number of Employees:..... 4.00
 Treatment Operator Class:2D
 Distribution Operator Class:
 Customer Rate for 1,000 Gallons:..... Not available
 O/M costs 1997:..... Not available
 O/M costs per Service Connection: Not available
 Net Revenue 1997: Not available
 Total Water Produced 1997 (gallons):..... Not available
 Water Sold 1997 (gallons):..... Not available
 Unaccounted-for Water 1997 (%): Not available

SOUTHEASTERN WATER ASSOCIATION/NELSON VAL

PWSID: 1000311
 System Type:..... COMMUNITY
 Owner Type:..... WATER ASSOCIATION
 Surface Source:
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD):..... 0.00
 Percent Daily Average Production:..... 0.00
 Total Tank Storage Capacity (gallons): 100,000.00
 Total Service Connections: 0.00
 Number of Employees:..... 0.00
 Treatment Operator Class:2D
 Distribution Operator Class:
 Customer Rate for 1,000 Gallons:..... Not available
 O/M costs 1997:..... Not available
 O/M costs per Service Connection: Not available
 Net Revenue 1997: Not available
 Total Water Produced 1997 (gallons):..... Not available
 Water Sold 1997 (gallons):..... Not available
 Unaccounted-for Water 1997 (%): Not available

SCIENCE HILL WATER WORKS

PWSID: 1000362
 System Type:..... COMMUNITY
 Owner Type:..... MUNICIPAL
 Surface Source:
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD):..... 0.00
 Percent Daily Average Production:..... 0.00
 Total Tank Storage Capacity (gallons):..... 0.00
 Total Service Connections: 1,180.00
 Number of Employees:..... 2.00
 Treatment Operator Class:2D
 Distribution Operator Class:
 Customer Rate for 1,000 Gallons:..... Not available
 O/M costs 1997:..... Not available
 O/M costs per Service Connection: Not available
 Net Revenue 1997:..... Not available
 Total Water Produced 1997 (gallons):..... Not available
 Water Sold 1997 (gallons):..... Not available
 Unaccounted-for Water 1997 (%): Not available

WESTERN PULASKI COUNTY WATER DISTRICT

PWSID: 1000363
 System Type:..... COMMUNITY
 Owner Type:..... WATER DISTRICT
 Surface Source:
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD):..... 0.00
 Percent Daily Average Production:..... 0.00
 Total Tank Storage Capacity (gallons):..... 100,000.00
 Total Service Connections: 0.00
 Number of Employees:..... 0.00
 Treatment Operator Class:2D
 Distribution Operator Class:
 Customer Rate for 1,000 Gallons:..... Not available
 O/M costs 1997:..... Not available
 O/M costs per Service Connection: Not available
 Net Revenue 1997:..... Not available
 Total Water Produced 1997 (gallons):..... Not available
 Water Sold 1997 (gallons):..... Not available
 Unaccounted-for Water 1997 (%): Not available

SOMERSET WATER SERVICE

PWSID: 1000403
System Type:..... COMMUNITY
Owner Type:..... MUNICIPAL
Surface Source:..... LAKE CUMBERLAND
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD):..... 7.50
Percent Daily Average Production:..... 83.00
Total Tank Storage Capacity (gallons):..... 0.00
Total Service Connections: 8,432.00
Number of Employees:..... 20.00
Treatment Operator Class:3D
Distribution Operator Class:.....4A
Customer Rate for 1,000 Gallons:..... Not available
O/M costs 1997:..... Not available
O/M costs per Service Connection: Not available
Net Revenue 1997:..... Not available
Total Water Produced 1997 (gallons):..... Not available
Water Sold 1997 (gallons):..... Not available
Unaccounted-for Water 1997 (%): Not available

WOODSON BEND PROPERTY OWNERS ASSOCIATION

PWSID: 1000973
System Type:..... COMMUNITY
Owner Type:..... HOME OWNER ASSOCIATION
Surface Source:..... LAKE CUMBERLAND
Purchase Source:
Well Source
Sells Water to:
Treatment Plant Capacity (MGD):..... 0.14
Percent Daily Average Production:..... 39.00
Total Tank Storage Capacity (Gallons): Not available
Total Service Connections: 490.00
Number of Employees:..... Not available
Treatment Operator Class:2D
Distribution Operator Class:.....2A
Customer Rate for 1,000 Gallons:..... Not available
O/M costs 1997:..... Not available
O/M costs per Service Connection: Not available
Net Revenue 1997:..... Not available
Total Water Produced 1997:..... Not available
Water Sold 1997:..... Not available
Unaccounted-for Water 1997:..... Not available

OTHER SYSTEMS

LAKE CUMBERLAND RESORT #1

Lake Cumberland Resort #1 is located in Pulaski County. The system serves a population of 40 and has 1 service connection. The private, non-transient, non-community system purchases water from Southeastern Water.

LAKE CUMBERLAND RESORT #2

Lake Cumberland Resort #2 is located in Pulaski County. The system serves a population of 66 and has 20 service connections. The private, transient, non-community system has treatment capacity of gallons per day and the water source is wells.

LAKE CUMBERLAND RESORT #3

Lake Cumberland Resort #3 is located in Pulaski County. The private, transient, non-community system serves a population of 25 and has 15 service connections.

PRIVATE DOMESTIC SYSTEMS

About 10,000 residents of Pulaski County rely on private domestic water supplies: 4,500 on wells and 5,500 on other sources.

Limestone and siltstone are the prominent rock types found in the western two-thirds of Pulaski County. About three-fourth of the wells drilled in western Pulaski County yield enough water for a domestic supply with some yields greater than 50 gpm from wells from large solution openings in karst areas. In the low lying areas in western Pulaski County only a few wells yield enough water for a domestic supply except in a few lowland areas near Cumberland River where yields are sufficient for domestic supplies.

In the eastern third of the county, the geology changes to sandstone and shales. Less than half of the wells drilled in the eastern end of the county will produce enough water for a domestic supply. In low lying areas bordering streams very few wells yield adequate amounts of water for a domestic supply except in the limited area south of Burnside where most wells are adequate for a domestic supply, especially from wells that penetrate large solution channels within the limestone bedrock.

RUSSELL COUNTY

(Russell County Water Service Area Map)

- Estimated 1999 population of 16,500--70% on public water
- Estimated 2020 population of 18,100--81% on public water
- 355 miles of water lines, with plans for 42 additional miles
- Estimated funding needs for public water 2000-2005--\$933,000
- Estimated funding needs for public water 2006-2020--\$932,000

Russell County had an estimated population of 16,529 (6,944 households) in 1999 with a projected population of 18,052 (8,090 households) in 2020. Public water is provided to about 70 percent of the county's residents. In areas of the county not served by public water, about 5/6 of the households rely on private domestic wells and 1/6 of the households rely on other sources. About 910 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
RUSSELL								-
Jamestown	7.2	274	373					373
Russell Springs	10.8	341	560					560
Total	18	615	933					933

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
RUSSELL								-
Jamestown	12.2	159	490					490
Russell Springs	11.1	134	442					442
Total	23.3	293	932					932

PUBLIC WATER SYSTEMS

Russell County has 2 municipal water systems, Jamestown Municipal Water Works and Russell Springs Water & Sewer System. Western Pulaski Water District also serves homes in the eastern part of the county.

WATER SERVICE AREAS

RUSSELL COUNTY

Kentucky

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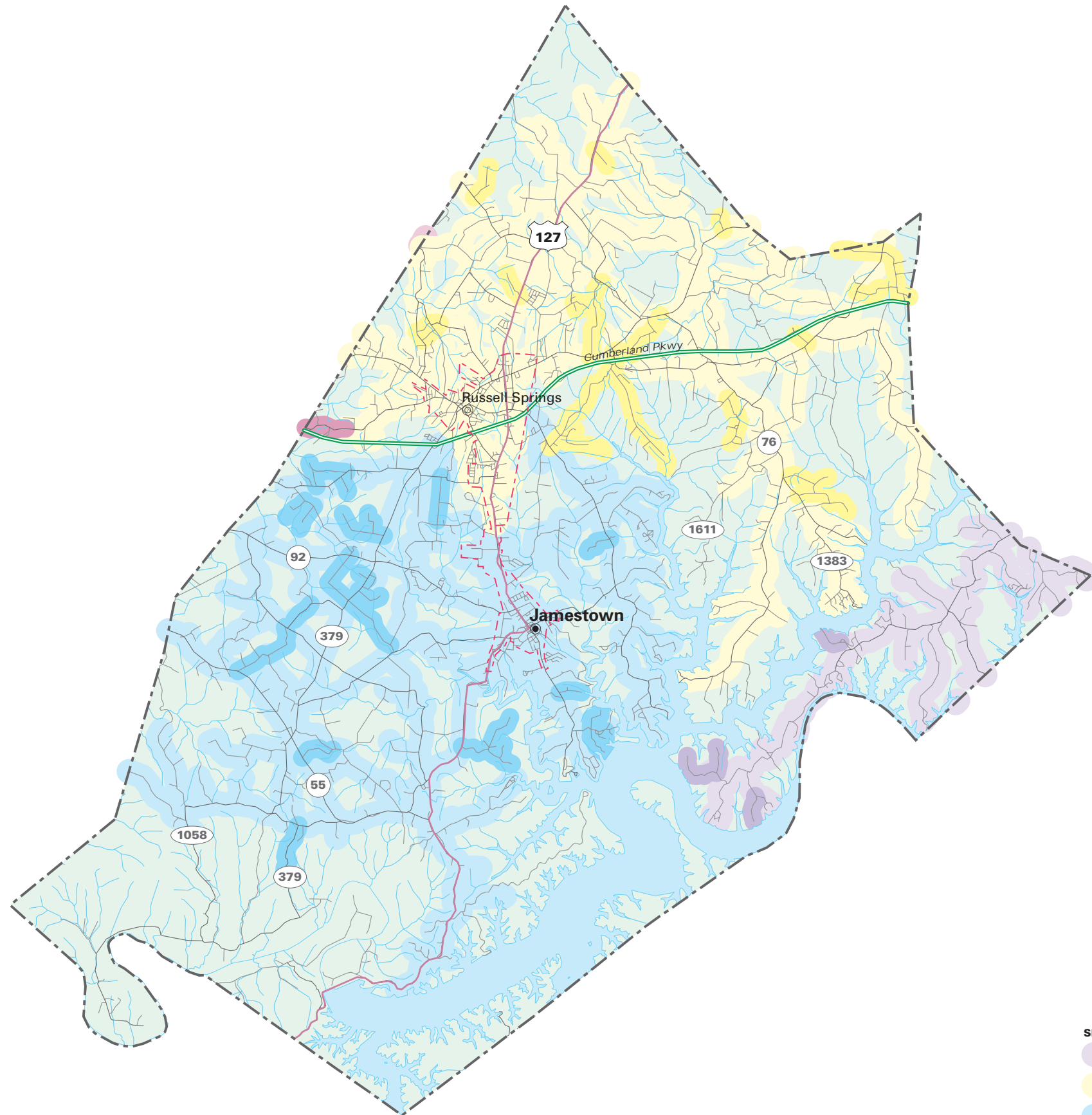
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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	OWNER
		WESTERN PULASKI COUNTY WATER DISTRICT
		RUSSELL SPRINGS WATER AND SEWER SYSTEM
		JAMESTOWN MUNICIPAL WATER WORKS
		ADAIR COUNTY WATER DISTRICT

JAMESTOWN MUNICIPAL WATER WORKS

PWSID: 1040210
System Type:..... COMMUNITY
Owner Type:..... MUNICIPAL
Surface Source:..... GREASY CREEK BRANCH/LAKE CUMBERLAND
Purchase Source:
Well Source:
Sells Water to: ADAIR COUNTY WATER DISTRICT
Treatment Plant Capacity (MGD):..... 3.80
Percent Daily Average Production:..... 72.00
Total Tank Storage Capacity (gallons): 0.00
Total Service Connections: 2,260.00
Number of Employees:..... 8.00
Treatment Operator Class:2D
Distribution Operator Class:.....4A
Customer Rate for 1,000 Gallons:..... Not available
O/M costs 1997:..... Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons):..... Not available
Water Sold 1997 (gallons):..... Not available
Unaccounted-for Water 1997 (%): Not available

RUSSELL SPRINGS WATER AND SEWER SYSTEM

PWSID: 1040377
System Type:..... COMMUNITY
Owner Type:..... MUNICIPAL
Surface Source:
Purchase Source:
Well Source:
Sells Water to: ADAIR COUNTY WATER DISTRICT
Treatment Plant Capacity (MGD):..... 0.00
Percent Daily Average Production:..... 0.00
Total Tank Storage Capacity (gallons): 200,000.00
Total Service Connections: 2,375.00
Number of Employees:..... 8.00
Treatment Operator Class:2D
Distribution Operator Class:.....3A
Customer Rate for 1,000 Gallons:..... Not available
O/M costs 1997:..... Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons):..... Not available
Water Sold 1997 (gallons):..... Not available
Unaccounted-for Water 1997 (%): Not available

PRIVATE DOMESTIC SYSTEMS

About 4,800 people in Russell County rely on private domestic water supplies: 4,000 on wells and 800 on other sources.

In the northwestern third of Russell County about three-quarters of the drilled wells yield enough water for domestic use. Throughout the rest of the county only a few wells yield adequate amounts of water for a domestic supply except in areas close to the Cumberland River in the southern end of the county. In the southern end of the county most wells are adequate for a domestic supply, especially from wells that penetrate small solution openings within the limestone bedrock.

TAYLOR COUNTY

(Taylor County Water Service Area Map)

- Estimated 1999 population of 22,500--85% on public water
- Estimated 2020 population of 23,800--88% on public water
- 395 miles of water lines, with plans for 90 additional miles
- Estimated funding needs for public water 2000-2005--\$2,913,000
- Estimated funding needs for public water 2006-2020--\$2,670,000

Taylor County had an estimated population of 22,478 (9,362 households) in 1999 with a projected population of 23,765 (10,749 households) in 2020. Public water is provided to about 85 percent of the county's residents. In areas of the county not served by public water, about 5 of 8 households rely on private domestic wells and 3 of 8 households rely on other sources. About 330 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
TAYLOR								-
Campbellsville Water Co.	44.2	151	2,063				850	2,913
Total	44.2	151	2,063				850	2,913

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
TAYLOR								-
Campbellsville Water Co.	45.5	180	1,820				850	2,670
Total	45.5	180	1,820				850	2,670

PUBLIC WATER SYSTEMS

Taylor County has 1 public water system, the Campbellsville Municipal Water System. The Green Taylor Water District also serves the western part of the county.

WATER SERVICE AREAS TAYLOR COUNTY Kentucky



**Prepared By:
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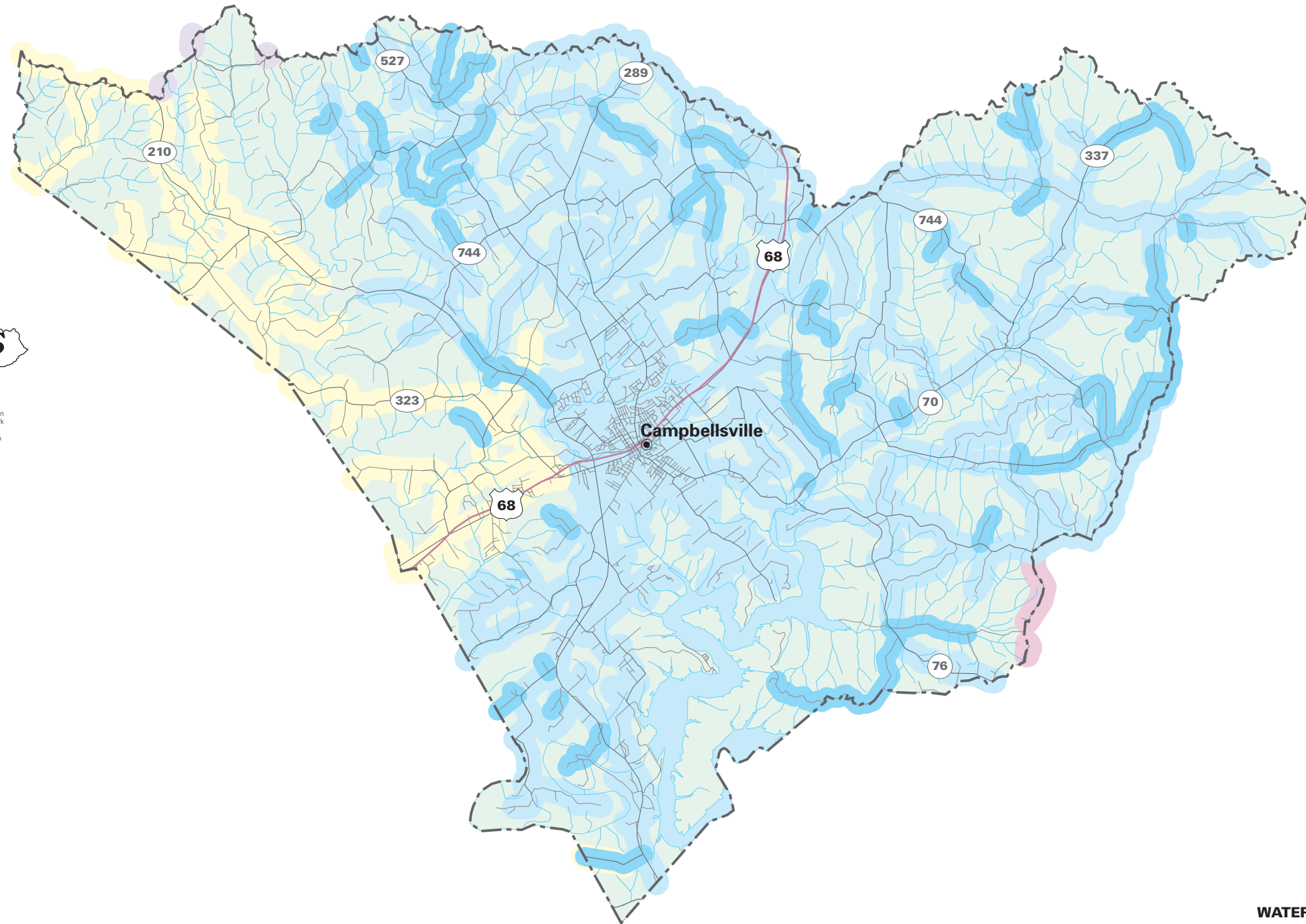
Bob Arnold, Chairman
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Final GIS & Cartographic Operations By:
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Data Collection & GIS Input By:
Kentucky Area Development Districts



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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	OWNER
		LARUE COUNTY WATER DISTRICT #1
		GREEN TAYLOR WATER DISTRICT
		CAMPBELLVILLE MUNICIPAL WATER SYSTEM
		ADAIR COUNTY WATER DISTRICT

CAMPBELLSVILLE MUNICIPAL WATER SYSTEM

PWSID:	1090060
System Type:.....	COMMUNITY
Owner Type:.....	MUNICIPAL
Surface Source:.....	GREEN RIVER LAKE
Purchase Source:	
Well Source:	
Sells Water to:	ADAIR COUNTY WATER DISTRICT
Treatment Plant Capacity (MGD):.....	5.20
Percent Daily Average Production:.....	46.00
Total Tank Storage Capacity (gallons):	500,000.00
Total Service Connections:	7,200.00
Number of Employees:.....	18.00
Treatment Operator Class:	3D
Distribution Operator Class:.....	4A
Customer Rate for 1,000 Gallons:.....	Not available
O/M costs 1997:.....	Not available
O/M costs per Service Connection:	Not available
Net Revenue 1997:	Not available
Total Water Produced 1997 (gallons):.....	Not available
Water Sold 1997 (gallons):.....	Not available
Unaccounted-for Water 1997 (%):	Not available

PRIVATE DOMESTIC SYSTEMS

About 3,300 people in Taylor County rely on private domestic water supplies: 2,100 on wells and 1,200 on other sources.

In the western half of Taylor County except in the lowlands of Big Pitman Creek, about three-fourth of the wells drilled yield enough water for a domestic supply. In the rest of the county very few wells yield enough water for a domestic supply except in a few lowland areas bordering streams where yields are sufficient for a few wells to meet the supply needs for domestic use.

Numerous small springs and seeps are found throughout the county. Most discharge from small solution openings and joints in limestone or siltstone and are supported by shale layers. Flows are as much as 20 gpm, but most have minimum flows of less than 1 gpm.

WAYNE COUNTY

(Wayne County Water Service Area Map)

- Estimated 1999 population of 18,900--75% on public water
- Estimated 2020 population of 20,900--80% on public water
- 375 miles of water lines, with plans for 85 additional miles
- Estimated funding needs for public water 2000-2005--\$4,413,000
- Estimated funding needs for public water 2006-2020--\$1,163,000

Wayne County had an estimated population of 18,945 (7,574 households) in 1999 with a projected population of 20,855 (9,059 households) in 2020. Public water is provided to about 75 percent of the county's residents. In areas of the county not served by public water, about 55 percent of the households rely on private domestic wells and 45 percent of the households rely on other sources. About 485 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
WAYNE								-
Monticello	63.7	350	3,313				1,100	4,413
Total	63.7	350	3,313				1,100	4,413

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
WAYNE								-
Monticello	22.4	135	1,163					1,163
Total	22.4	135	1,163					1,163

PUBLIC WATER SYSTEMS

Wayne County has 2 public water systems: 1 water district, Monticello Water & Sewer Commission, and 1 non-community system. Eastern areas of the county are also served by the Bronston Water Association and the Western Pulaski Water District.

WATER SERVICE AREAS WAYNE COUNTY Kentucky

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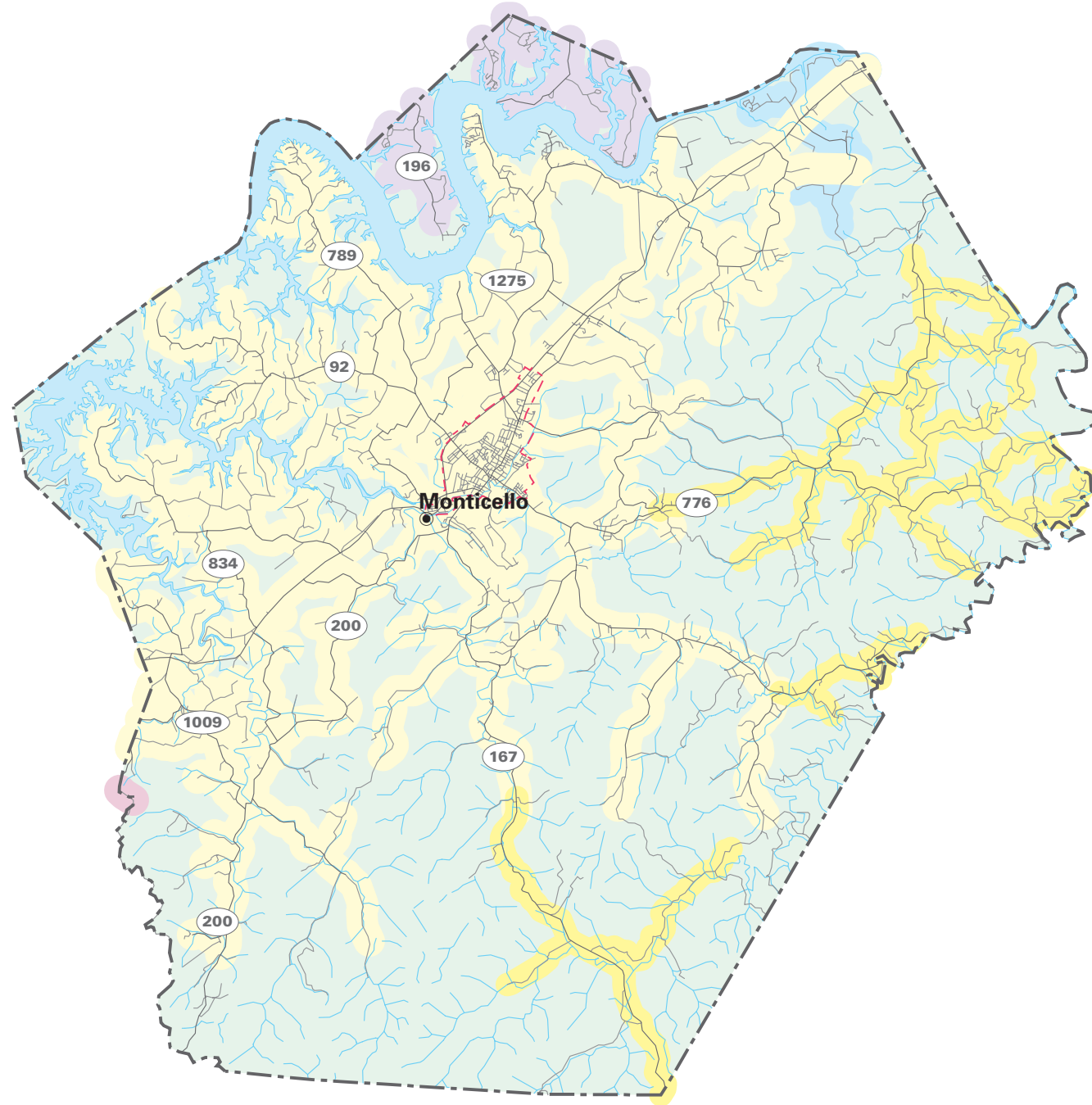
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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	OWNER
		WESTERN PULASKI COUNTY WATER DISTRICT
		MONTICELLO WATER AND SEWER COMMISSION
		BRONSTON WATER ASSOCIATION INCORPORATED
		ALBANY WATER WORKS

MONTICELLO WATER AND SEWER COMMISSION

PWSID: 1160291
 System Type:..... COMMUNITY
 Owner Type:..... WATER DISTRICT
 Surface Source:.....MONTICELLO
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD):..... 2.90
 Percent Daily Average Production:..... 84.00
 Total Tank Storage Capacity (gallons):..... 300,000.00
 Total Service Connections: 5,569.00
 Number of Employees:..... 32.00
 Treatment Operator Class:3D
 Distribution Operator Class:.....3A
 Customer Rate for 1,000 Gallons:..... Not available
 O/M costs 1997:..... Not available
 O/M costs per Service Connection: Not available
 Net Revenue 1997:..... Not available
 Total Water Produced 1997 (gallons):..... Not available
 Water Sold 1997 (gallons):..... Not available
 Unaccounted-for Water 1997 (%): Not available

OTHER SYSTEMS

MOUNTAIN VIEW BAPTIST CAMP

Mountain View Baptist Camp is located in Wayne County. The system serves a population of 250 and has 1 service connection. The private, transient, non-community system has treatment capacity of 20,000 gallons per day and the water source is wells.

PRIVATE DOMESTIC SYSTEMS

About 4,650 residents of Wayne County rely on private domestic water supplies: 2,550 on wells and 2,100 on other sources.

In the eastern half of Wayne County most of the wells drilled in the valley bottoms are adequate for a domestic supply and less than half the wells drilled on hillsides and hilltops are adequate for domestic needs. In western half of the county about three-quarters of the drilled wells in the uplands yield enough water for domestic use. In low lying areas very few wells yield adequate amounts of water for a domestic supply except in areas close to lake Cumberland where some wells are adequate for a domestic supply, especially from wells that penetrate small solution openings within the limestone bedrock.