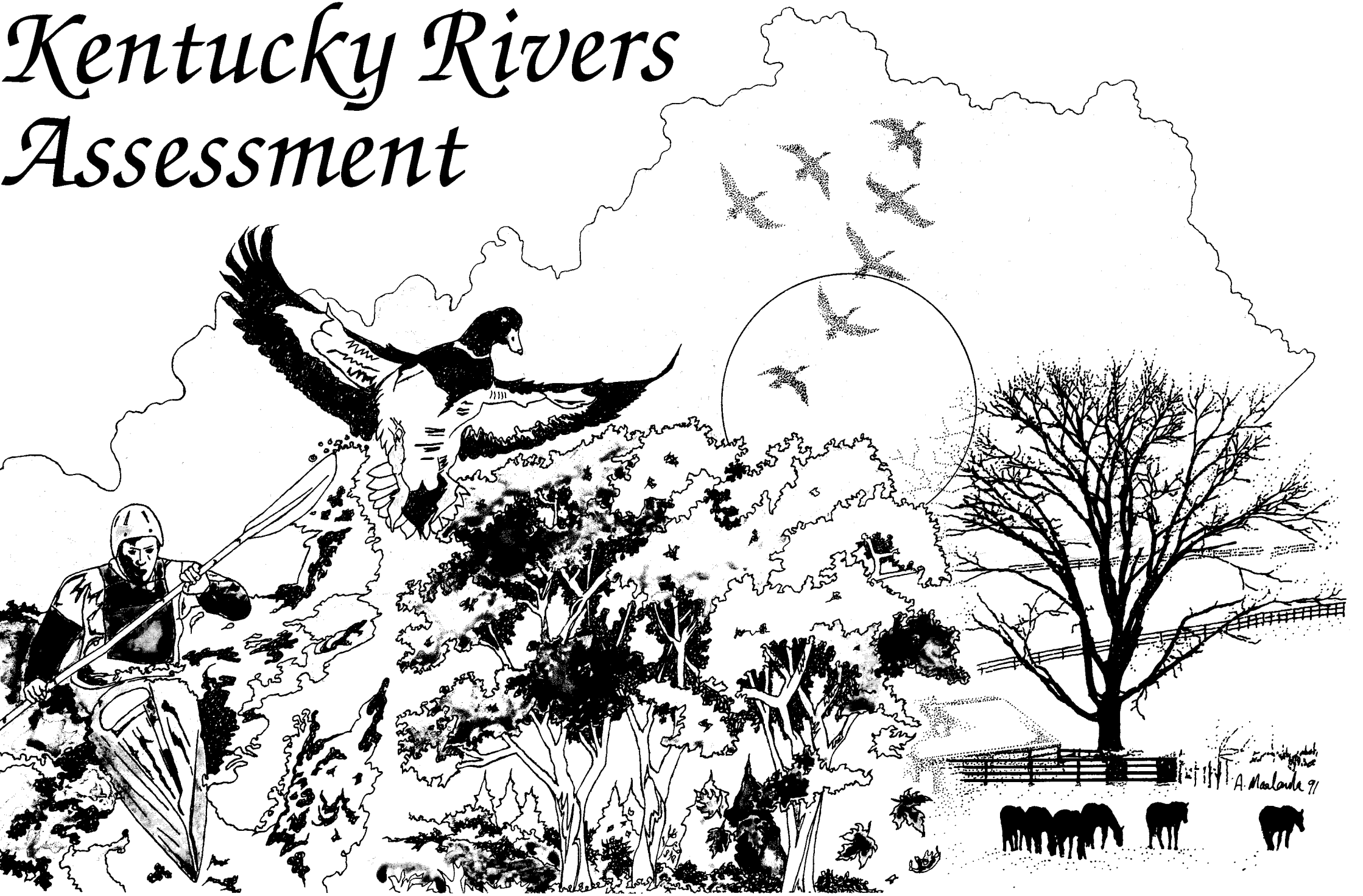


Kentucky Rivers Assessment



A. Maalouk 97



**Natural Resources and
Environmental Protection Cabinet**

The Kentucky Division of Water is responsible for administering programs to ensure a continuous supply of safe drinking water; ensure the maintenance of water quality in the state; protect the state's water storage supplies from harmful overflow; preserve the safety of the citizens by preventing improper construction of water projects; and promote and regulate the conservation, development, and most beneficial use of the state's water resources.



The National Park Service is the premier park agency in the country responsible for the management of some 80 million acres in the United States. The Service does more than manage parks, however. Through its Rivers, Trails, and Conservation Assistance Program, the National Park Service is responsible for developing national policies and programs concerning the conservation of the nation's river and trail resources. The Service also helps local communities and state governments create conservation plans for the development of greenways and protection of rivers and open space areas outside of the national parks.

The National Park Service, Department of the Interior, and the Kentucky Division of Water are equal opportunity agencies and offer all persons the benefits of participating in each of their programs and competing in all areas of employment regardless of race, color, religion, sex, national origin, age, handicap or other non-merit factor.

Kentucky Rivers Assessment



**A Cooperative Statewide Rivers Assessment by the Kentucky Division of Water
and the
Rivers, Trails, and Conservation Assistance Program of the National Park Service**

1992

Scott Hankla
Kentucky Division of Water

Chris Abbett
Sue Abbott
Wink Hastings
Lake Lambert
Doug Madsen
National Park Service
Rivers, Trails, and Conservation Assistance Program

Publication design and lay-out by National Park Service;
Rivers, Trails, and Conservation Assistance Program, At-
lanta, Georgia.

Printing by General Services Administration, Printing and
Distribution Branch, Atlanta, Georgia.

*FRONT COVER: Illustration of the many river-related
resources evaluated in the Kentucky Rivers Assessment.
Scenes portray the four seasons starting with spring lilies
on the back cover and ending with winter in the Bluegrass
Region on the front cover. Cloud in the background of
front cover is an outline of Kentucky. Illustration by
Andrew Maslanka.*

Table Of Contents

Acknowledgments	iii
List of Tables	1
List of Figures	2
Executive Summary	3
River Assessment Process	25
Agricultural Lands	31
Botanical Resources	39
Corridor Character	49
Cultural Resources	61
Fish Resources	67
Geologic and Scenic Features	85
Recreational Boating	99
Water Quality	111
Water Resources	121
Wildlife Resources	133
Resource Evaluation by River Basin	147
Resource Evaluation by River Segments	199
Appendix A - Kentucky Wild Rivers Program	247
Appendix B - Outstanding Resource Waters	251
Appendix C - Drought-Vulnerable Water Supply Systems	257
Appendix D - Hydroelectric Sites and Projects Licensed and Regulated by the Federal Energy Regulatory Commission (FERC)	261



Acknowledgments

The scope of the Kentucky Rivers Assessment required the support and effort of a large number of people with a wide variety of skills. The Kentucky Rivers Assessment Advisory Committee, composed of representatives from resource agencies, public utilities, industry, and private interest groups, as well as recreation, conservation, and academic interests, provided the necessary direction and a variety of resource perspectives. The opportunity to assemble a broad range of viewpoints to discuss resource values and uses is a critical aspect of the assessment process.

In addition to the Advisory Committee, participants on the various resource teams contributed a tremendous amount of time and effort to complete the resource evaluations. The evaluation of river resource values and uses is central to the assessment process, and the resource team members deserve a great deal of credit for making this study a success.

Special thanks to Don McCormick for serving as Chairman of the Advisory Committee and for the Department of Fish and Wildlife Resources' strong support throughout the process.

Sherri Evans, formerly with the Division of Water, deserves much of the credit for the assessment, which she initiated and managed during the project's beginning stages.

Thanks to Suzanne Wilkins of American Rivers, Inc., for her guidance and participation at meetings of the Advisory Committee and Study Team, and to Barry Beasley, South Carolina's river assessment manager, who lent his experience to the Kentucky project.

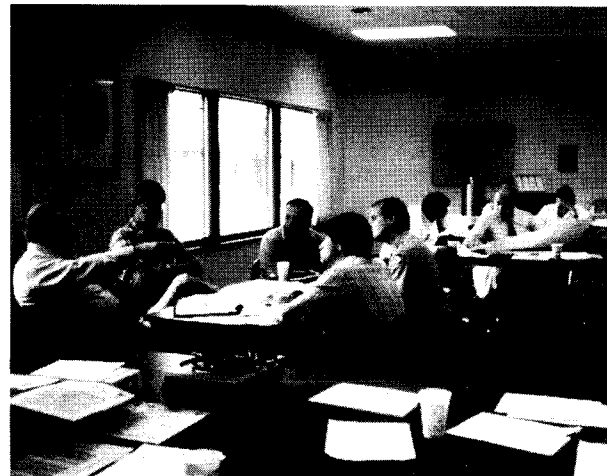
Susan Cohn, Morgan Jones, and Wanda Knight of the Division of Water assisted with data management, mapping, and reviewing drafts of the assessment document. Sam Stokes, National

Park Service; Faun Fishback, Office of Communications and Community Affairs; and Terry Anderson, Division of Water, provided helpful comments on the final draft.

The conservation officers and wildlife biologists in the Kentucky Department of Fish and Wildlife Resources provided extensive support to the Fish and Wildlife teams. The Division of Water field offices and Area Development Districts assisted with surveys of rivers flowing through urban areas.

Appreciation is also extended to those Kentuckians who submitted valuable comments during the public review periods.

Resource Team Meeting



Sherri Evans

**KENTUCKY RIVERS ASSESSMENT
ADVISORY COMMITTEE**

Chairman Don R. McCormick, Commissioner,
Kentucky Department of Fish and Wildlife Resources

Members

Billy J. Barfield, Director, Water Resources Research
Institute, University of Kentucky

David Beck, Kentucky Farm Bureau

Mrs. W. L. Lyons Brown

Russ Coburn, Utility Information Exchange of
Kentucky

Leslie Cole, Executive Director, Environmental Quality
Commission

Brian Fiacco, Westvaco, Inc.

Tom Fitzgerald, Director, Kentucky Resources Council

Richard R. Hannan, Director, Kentucky State Nature
Preserves Commission

Dr. Ann Heard, Kentucky League of Women Voters

Philip Heeren, Trout Unlimited, Inc.

Robert F. Knarr, Commissioner, Department for Natural
Resources

Alfred L. Knight, District Chief, U.S. Geological
Survey

David L. Morgan, State Historic Preservation
Officer, Kentucky Heritage Council

Milt Patton, Environmental Quality Commission

Tony Sholar, Kentucky Chamber of Commerce

Rapier Smith, Commissioner, Kentucky
Department of Parks

Robert Smith, President, League of Kentucky Sportsmen

James Thaxton, National Association of Canoe Liveryes
and Outfitters

Lee Troutwine, Commissioner, Kentucky
Department of Local Government

Alan H. Vicory, Jr., Ohio River Valley Water
Sanitation Commission

Richard H. Wengert, Forest Supervisor, Daniel Boone
National Forest

Bob Woodyard, Chief, Environmental Resources
Branch, U.S. Army Corps of Engineers

Tiger Swallowtail



Fred Kirchoff

RESOURCE TEAM MEMBERS

Agricultural Lands

Steve Coleman (Team Leader), Kentucky Division of Conservation

David Beck, Kentucky Farm Bureau

Cary Perkins, Kentucky Division of Forestry

Steve Prisley, Westvaco, Inc.

Tom Richard, riparian landowner

Botanical Resources

Dr. Ron Jones (Team Leader), Native Kentucky Plant Society

Daniel Barrett

Dr. Julian Campbell

Richard R. Hannan, Kentucky State Nature Preserves Commission

Dr. William Martin, Eastern Kentucky University

Corridor Character

Sherri Evans (Team Leader)

Hugh Archer, Sierra Club

Ann Bevins, Elkhorn Land and Historic Trust, Inc.

Pat Gorman, Trout Unlimited, Inc.

Ginny Guthrie

Wink Hastings, National Park Service

Jay Hoffman, Trout Unlimited, Inc.

Howard Jones (deceased), Audubon Society

Morgan Jones, Kentucky Wild Rivers Coordinator

Thomas Nieman, University of Kentucky

Cultural Resources

Dr. R. Berle Clay (Team Leader), University of Kentucky

Robert Polsgrove, Kentucky Heritage Council

Edmund Thompson, Kentucky Heritage Council

Fish Resources

Ted Crowell (Team Leader), Kentucky Department of Fish and Wildlife Resources

Ron Cicerello, Kentucky State Nature Preserves Commission

Philip Heeren, Trout Unlimited, Inc.

Howard Patterson, Trout Unlimited, Inc.

William Pearson, University of Louisville

Steve Rice, Kentucky Transportation Cabinet

Henry Willenbrink, Ohio Valley Fishing Association

Geologic and Scenic Features

Alfred L. Knight (Team Leader), U.S. Geological Survey

Bill Andrews, Blue Grass Grotto

Ray Bergeron, USDA-Forest Service

Mrs. W. L. Lyons Brown

George Chalfant, USDA-Forest Service

Ron Cornelius, National Park Service

Dr. Ralph Ewers, Eastern Kentucky University

Ed Hartsell, USDA-Forest Service

Wink Hastings, National Park Service

Thomas Nieman, University of Kentucky

Recreational Boating

Don Spangler (Team Leader), Bluegrass Wild-water Association

Jim Barker, Kentucky Department of Local Government

Ken Cooke, Kentucky Division of Water

Ed Councill, Canoe Kentucky Outfitters

Harold Jeffers, Elkhorn Paddlers

H. M. Quire, Bluegrass Wildwater Association

Lythia Metzmeier, Kentucky Division of Water

Bob Reed, Trout Unlimited, Inc.

Carey Tichenor, Kentucky Department of Parks

Dr. Alan Worms, University of Kentucky

Water Quality

Mike Mills (Team Leader), Kentucky Division of Water

Steve Bakaletz, National Park Service

Billy J. Barfield, University of Kentucky, Water Resources Research Institute

Ron Cicerello, Kentucky State Nature Preserves Commission

Dr. James Tidwell, Kentucky State University

Water Resources

Leon Smothers (Team Leader), Kentucky Division of Water

Gary Crawford, Kentucky Power Company

Bob Fouts, Kentucky Economic Development Cabinet

Alfred L. Knight, U.S. Geological Survey

Wildlife Resources

Dr. Tom Barnes (Team Leader), University of Kentucky

Hal Bryan, Kentucky Transportation Cabinet

Sam Call, Kentucky Division of Water

Lynn Garrison, Kentucky Department of Fish and Wildlife Resources

John MacGregor, Kentucky Department of Fish and Wildlife Resources

Jeff Sole, Kentucky Department of Fish and Wildlife Resources

Gordon Weddle, Campbellsville College



Scott Hankla

List Of Tables

Table 1 Summary Evaluation of River Classes by Resource Category8

Table 2 Summary of Most Significant Study Rivers9

Table 3 Study Rivers With Formally Recognized Resources12

Table 4 Summary of Agricultural Land Evaluations34

Table 5 Botanical Resource Rivers at Risk42

Table 6 Summary of Botanical Resource Evaluations42

Table 7 Status of Protected Class 1 Undeveloped Rivers52

Table 8 Status of Protected Class 2 Undeveloped Rivers53

Table 9 Status of Protected Class 3 Undeveloped Rivers53

Table 10 Summary of Undeveloped River Evaluations53

Table 11 Summary of Urban River Evaluations55

Table 12 Summary of Cultural Resource Evaluations64

Table 13 Summary of Fish Resource Evaluations70

Table 14 Features of Class 1 Geologic Rivers88

Table 15 Features of Class 2 Geologic Rivers88

Table 16 Features of Class 3 Geologic Rivers89

Table 17 Summary of Geologic Feature Evaluations89

Table 18 Features of Class 1 Scenic Rivers93

Table 19 Features of Class 2 Scenic Rivers94

Table 20 Features of Class 3 Scenic Rivers94

Table 21 Summary of Scenic Feature Evaluations94

Table 22 Rivers Suitable for Three or More Types of Boating103

Table 23 Highest Ranking Rivers in Each Boating Subcategory103

Table 24 Summary of Recreational Boating Evaluations104

Table 25 Summary of Water Quality Evaluations114

Table 26 Summary of Water Resource Evaluations126

Table 27 Summary of Wildlife Resource Evaluations136

Table 28 Designated Kentucky Wild Rivers249

List Of Tables (continued)

Table 29	Threatened or Endangered Aquatic Species in Designated Outstanding Resource Waters	252
Table 30	Outstanding Resource Water Documentation for Segments Supporting Threatened and Endangered Species	253
Table 31	Drought-Vulnerable Water Supply Systems	258
Table 32	Projects in Kentucky without FERC Liscensing Status	263

List Of Figures

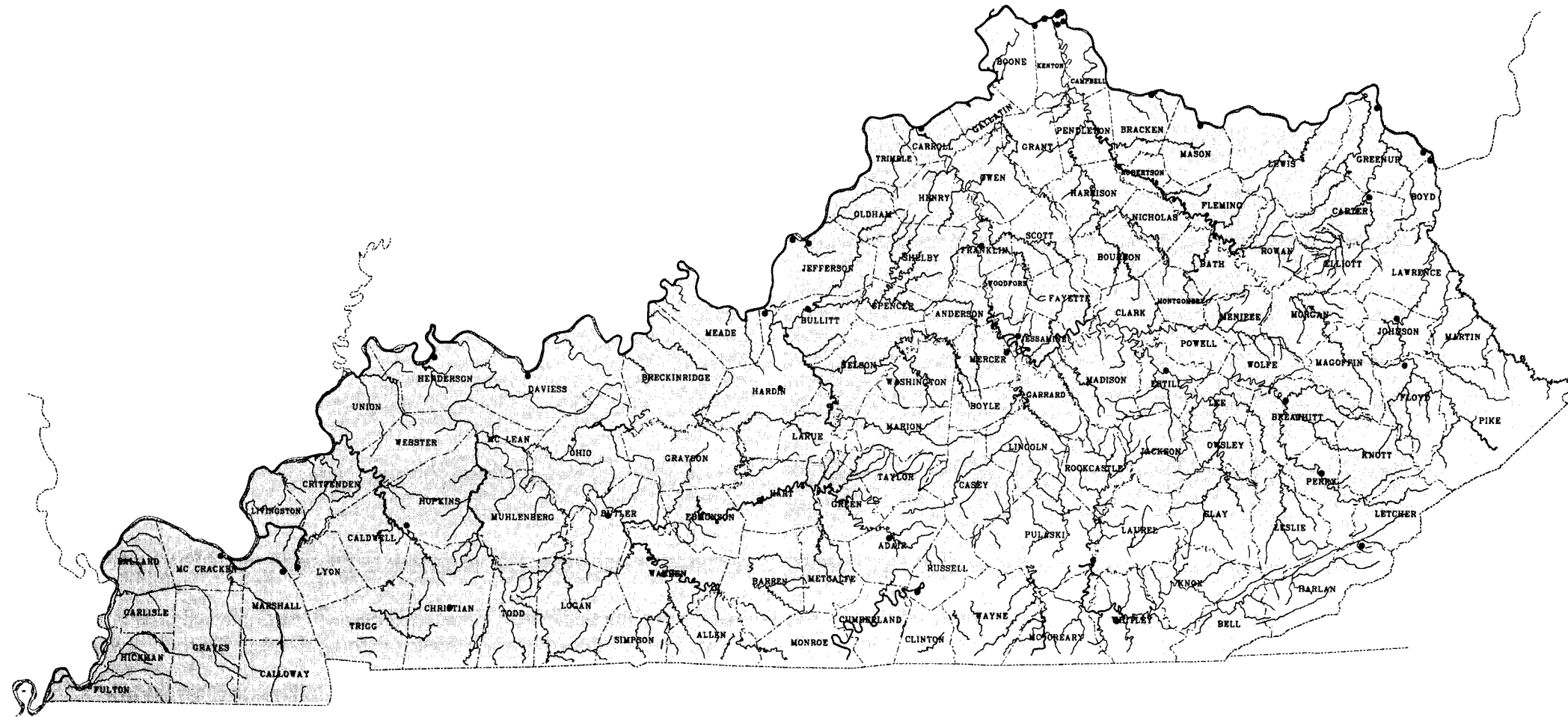
Kentucky Study Rivers: Rivers Evaluated by the Kentucky Rivers Assessment	4
Study Rivers with Formally Recognized Resources	11
Agricultural Lands Study Rivers	32
Botanical Resource Study Rivers	40
Corridor Character Study Rivers	50
Cultural Resource Study Rivers	62
Fish Resource Study Rivers	68
Geologic Feature Study Rivers	86
Scenic Feature Study Rivers	90
Recreational Boating Study Rivers	100
Water Quality Study Rivers	112
Water Resource (Hydropower Development and Future Development Potential) Study Rivers	122
Water Resource (Navigable) Study Rivers	127
Wildlife Resources Study Rivers	134



Executive Summary

Rivers and their surrounding lands represent some of America's most valuable natural, cultural, and historical resources. Throughout the settlement and subsequent development of Kentucky, flowing waterways have provided us with transportation routes, fish and wildlife, recreational opportunities, drinking water, irrigation for agriculture, hydropower for communities and industry, waste assimilation and aesthetic values. From both a utilitarian and an aesthetic viewpoint, river corridors are regarded as a central feature in Kentucky's landscape, contributing to economic development as well as environmental quality. Planning and managing for the wise use and development of river corridors is an effort in balancing the many competing demands for water and associated land resources.

Kentucky Study Rivers



In response to a lack of coordinated river resource management, the National Park Service and the Kentucky Division of Water, in partnership with numerous public and private river interests, developed an effective mechanism to avoid unnecessary conflicts, to focus river management efforts, and to promote sound decision-making. The Kentucky Rivers Assessment is envisioned as a strong initial step toward this goal. The basic premise of the assessment process is the need for an understanding of resource values and opportunities in order to effectively plan and manage for the wise use of rivers. Objective resource information is critical to intelligent decision-making. The assessment is an important tool that can be used to compile and comparatively evaluate key information regarding river resources and related activities. Statewide river assessments bring together a diverse group of interests to collect and evaluate resource information.

- The assessment is **comprehensive**, evaluating all significant rivers in Kentucky and multi-disciplinary information to reflect the full range of river values.
- The assessment is **objective**, using systematic methodologies to conduct evaluations of natural, historical, cultural, recreational and economic resource values for significant rivers.

- The assessment is **comparative**, grouping rivers and river segments into general classes according to relative resource significance. The resource assessment goes beyond inventories by assigning a qualitative value or rank to quantitative information to make the identification of management priorities easier.
- The assessment is **cooperative**, involving a broad spectrum of public and professional river interests to ensure that the process accurately reflects the priorities and values of broad-based public constituencies and knowledgeable river specialists.



Cane Creek

Scott Hankla

PROCESS

The Kentucky River Assessment was coordinated by the Kentucky Division of Water with technical assistance provided by the National Park Service through its Rivers, Trails, and Conservation Assistance Program. Key staff from these agencies comprised the study team, which coordinated all phases of the assessment. A rivers assessment advisory committee consisting of representatives from government agencies, public utilities, private industry, as well as recreation, conservation and academic interests, provided guidance to assure that all river interests were given full consideration.

The assessment process was initiated with the identification of resource categories: agricultural lands, botanical resources, corridor character, cultural resources, geologic and scenic features, recreational boating, water quality, water resources, and wildlife resources. A team of experts was assembled for each resource category and began the process by establishing minimum standards for a river to be included in the assessment. Applying these standards to all rivers within the state, each resource team developed a list of study rivers. After a public review period in which additional rivers were proposed for study, the list of study rivers was finalized. Each

resource team then developed a methodology to conduct a systematic evaluation of all study rivers. Following the evaluation process, each study river was assigned a value ranking.

Shillalah Creek



James Archambeault

BENEFITS

The establishment and continued operation of a successful state river conservation program is dependent on several key elements. Such elements include a comprehensive database of resource information; clear policy statements for the protection and management of rivers; a cohesive network of government officials, resource experts, interest-group representatives, and landowners; and a decision-making process that strongly encourages public participation. A balanced river conservation program enables a state to effectively manage the rivers and related resources and to formulate resource allocation decisions in a positive, proactive manner. The Kentucky statewide rivers assessment provides the foundation for such a balanced river conservation program.

The rivers assessment database provides the necessary information to make reasoned decisions ranging from resource protection to development strategies. In addition, it forms the basis for the establishment of river management priorities. The assessment may be used to establish a state river conservation program or to enhance an existing program. The assessment process establishes a comprehensive network of government officials, resource experts, special

interest group representatives, landowners, and public. The establishment of a broad-based river constituency and the formulation of a public participation process greatly enhance the decision-making process as well as a state's ability to effectively resolve resource conflicts. Further, an assessment may guide the implementation of federal projects and federally licensed activities affecting rivers. In addition, the identification and evaluation of significant rivers in the assessment provide an inventory of river segments worthy of protection and inclusion in a state river system.

The database of resource information generated by the assessment will have wide application among government agencies, municipalities, and citizen groups. Efforts to promote public participation in the process and to publicize the availability of the assessment database and report will enhance the likelihood that this information will be used by those most involved in river development, conservation and management. Additionally, the production of this report, which displays the assessment data in tabular and graphic formats, will increase the usability of the report among non-technical users. Some of the potential applications for the river resource data and the assessment process include:

State and Federal Agencies

- setting pollution discharge permit limits
- expanding the existing Kentucky Wild Rivers System
- making recommendations concerning Outstanding Resource Water classification
- setting priorities for future data collection efforts
- providing environmental review for licensing, permitting and certification decisions
- making decisions concerning NEPA compliance and FERC hydropower licensing
- making decisions about state and local zoning and permitting processes
- water resources basin planning
- conducting or assisting with studies of the eligibility of rivers for inclusion in National Wild and Scenic Rivers System
- providing for technical assistance from the Division of Water to local governments and citizen groups for river corridor management planning
- prioritizing recreational improvements such as locations for boat ramps

- assisting river front revitalization and enhancement through Statewide Comprehensive Outdoor Recreation Planning (SCORP) and the Land and Water Conservation Fund (LWCF)

Local Agencies, Developers, Citizen Groups

- initiating various kinds of resource improvement studies, projects, and funding proposals
- planning by municipalities for the revitalization of urban river fronts, including park development and other river front revitalization efforts
- developing river corridor management plans and monitoring stream segments by citizen groups

SUMMARY OF FINDINGS

The rivers of Kentucky have significant natural, cultural, economic, and recreational resource values. Due to the presence of multiple values, many rivers and river segments were evaluated in more than one resource category. A total of 551 rivers were evaluated, including 1,363 individual study segments. Table 1 provides a summary of rivers studied by resource category.

Although a majority of study rivers were evaluated in more than one resource category, relatively few rivers in Kentucky were found to be significant in several resource categories. Of

the 551 rivers evaluated, only 25 were determined to have seven or more significant resource values. A list of the most significant study rivers evaluated is provided in Table 2.

Raven Run



Fred Kirchoff

Table 1. Summary Of River Class Evaluations By Resource Category

RESOURCE CATEGORY	CLASS 1		CLASS 2		CLASS 3		TOTAL	
	Miles	Segments	Miles	Segments	Miles	Segments	Miles	Segments
AGRICULTURAL LANDS	791.8	19	1056.3	34	1619.0	60	3467.1	113
BOTANICAL RESOURCES	1654.1	97	268.2	13	886.3	30	2808.6	140
CORRIDOR CHARACTER								
UNDEVELOPED RIVERS	49.1	8	300.0	26	317.9	18	667.0	52
URBAN RIVERS	34.0	7	56.4	17	64.0	12	154.4	36
CULTURAL RESOURCES	1679.6	8	923.3	13	709.3	11	3312.2	32
FISH RESOURCES	3475.4	194	1269.5	47	3444.3	166	8189.2	407
GEOLOGIC AND SCENIC								
GEOLOGIC FEATURES	49.0	6	91.2	10	25.0	7	165.2	23
SCENIC FEATURES	27.1	4	149.4	12	92.1	4	268.6	20
RECREATIONAL BOATING								
BACKCOUNTRY	693.5	6	906.1	14	229.9	4	1829.5	24
FLATWATER	1031.3	12	1732.4	26	249.0	5	3012.7	43
POWERBOATING	918.8	2	329.7	5	141.4	2	1389.9	9
WHITEWATER	39.6	5	165.2	16	77.6	8	282.4	29
WATER QUALITY	439.8	28	1241.8	50	1457.6	44	3139.2	122
WATER RESOURCES								
FUTURE DEVELOPMENT	2236.1	36	424.7	9	227.9	5	2888.7	50
HYDROPOWER	0.0	3	0.0	4	0.0	1	0.0	8
NAVIGATION	912.8	7	64.3	1	0.0	0	977.1	8
WILDLIFE	2810.8	89	1726.9	78	1483.4	80	6021.1	247
TOTAL	16,808.8	531	10,649.0	375	10,960.7	457	38,572.9	1363

Table 2. Summary of Most Significant Study Rivers

	Agricultural Lands	Botanical Resources	Corridor Character	Cultural Resources	Fish Resources	Geologic Scenic	Recreational Boating	Water Quality	Water Resources	Wildlife Resources
Barren River	•	•	•	•	•		•	•	•	•
Big South Fork Cumberland River		•	•	•	•	•	•	•	•	•
Cumberland River	•	•	•	•	•	•	•	•	•	•
Dix River		•			•	•	•	•	•	•
Elkhorn Creek	•	•		•	•	•	•	•	•	•
Green River	•	•	•	•	•	•	•	•	•	•
Jessamine Creek		•	•		•	•	•	•		•
Kentucky River	•	•	•	•	•	•	•	•		•
Licking River	•	•	•	•	•		•	•	•	•
Little Sandy River	•	•	•	•	•	•	•	•		•
Little South Fork Cumberland River		•	•		•	•	•	•		•
Marsh Creek		•	•		•	•	•	•		•
Mississippi River	•	•		•	•	•	•		•	
Nolin River	•	•		•	•	•	•	•	•	•
Ohio River	•	•	•	•	•	•	•	•	•	
Pond River	•	•		•	•		•		•	•
Red River	•	•	•	•	•	•	•	•	•	•
Rockcastle River		•	•		•	•	•	•	•	
Rolling Fork	•	•		•	•		•	•	•	•
Rough River	•	•		•	•		•	•	•	•
Salt River	•		•	•	•		•	•	•	•
South Fork Kentucky River	•	•			•		•	•	•	•
South Fork Licking River	•	•	•				•	•	•	•
Tradewater River	•	•	•	•	•		•		•	•
Tygarts Creek		•	•	•	•	•	•	•		•

Formally Recognized Rivers

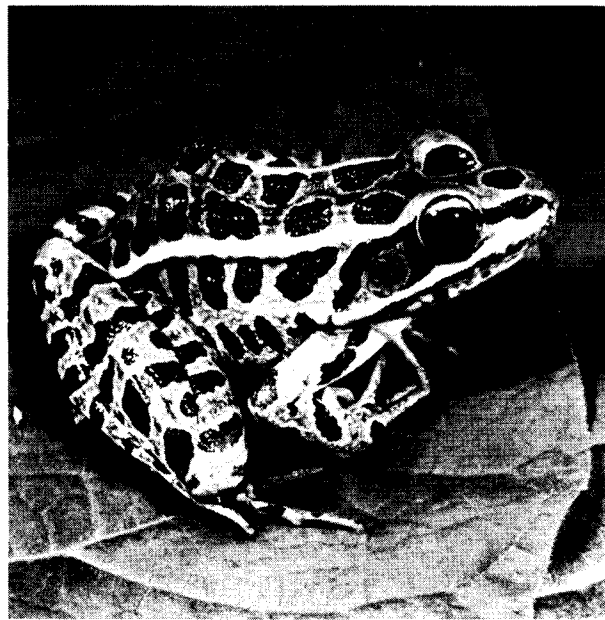
A number of Kentucky rivers include resources protected by federal or state laws and regulations or areas designated for their important resource values. River corridors that include formally recognized plant and animal species or unique natural areas represent some of the most significant rivers or river segments in Kentucky and should be afforded the highest level of resource protection. The identification of such rivers or river segments was based on the following resource designations:

- Federal- or Kentucky-listed threatened, endangered, or rare plant and animal species
- National Natural Landmarks
- National Parks
- Federal Conservation Areas
 - USDA-Forest Service Research Natural Areas and Special Interest Areas
 - USDA-Forest Service Wilderness and Wildlife Management Areas
 - Corps of Engineers Conservation Areas
 - TVA Natural Areas
- Kentucky Outstanding Resource Waters

- Kentucky Wild Rivers
- Kentucky State Nature Preserve Areas
- University Natural Areas

There are 215 study river segments that include areas formally recognized for their resource significance. These study river segments are delineated on the Study Rivers with Formally Recognized Resources map (page 11), while Table 3 provides a summary listing.

Pickerel Frog



John MacGregor

Study Rivers with Formally Recognized Resources

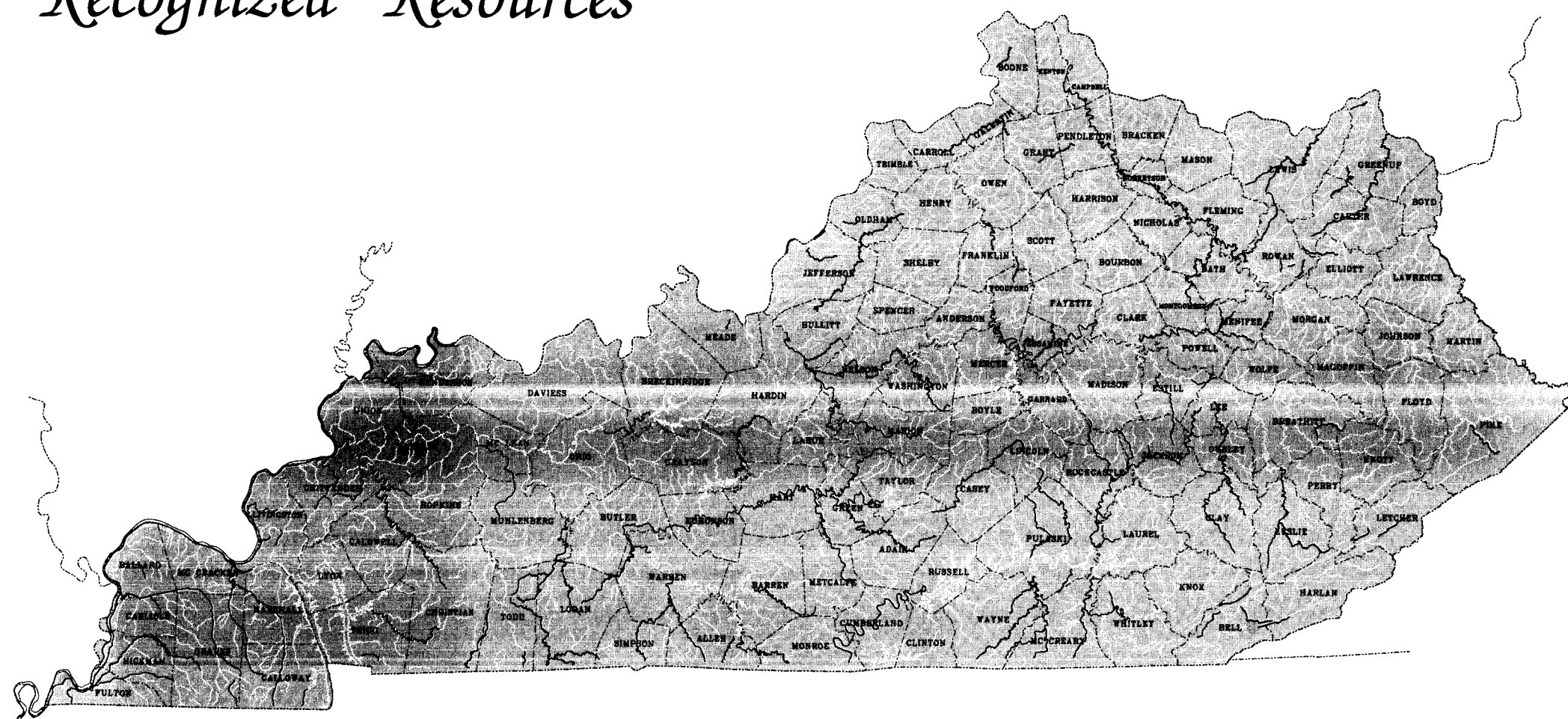


Table 3. Study Rivers with Formally Recognized Resources

River Name	Downstream Endpoint	Upstream Endpoint	Downstream Mile	Upstream Mile	Segment Length	Downstream County	Upstream County	Rare Species	National Natural Landmark	National Park	Federal Conservation Area	Outstanding Resource Water	State Wild River	Nature Preserves Concern	University Natural Area
Addison Branch	Cumberland River	Headwaters	0.0	1.0	1.0	Pulaski	Pulaski								x
Archers Creek	Cumberland River	Headwaters	0.0	3.2	3.2	Whitley	Whitley	x				x			x
Bad Branch	Poor Fork Cumberland River	Headwaters	0.0	4.1	4.1	Letcher	Letcher	x				x	x		x
Barren River	Green River	Lock & Dam No. 1	0.0	15.0	15.0	Butler	Warren	x				x			
Barren River	Barren River Lake	Headwaters	118.5	158.7	40.2	Allen	Monroe	x							
Bayou Creek	Ohio River	Headwaters	0.0	22.8	22.8	Livingston	Livingston	x							
Bayou de Chien	Mississippi River	Headwaters	0.0	30.6	30.6	Fulton	Graves	x							
Beaver Creek C	Lake Cumberland	Headwaters	2.2	9.2	7.0	McCreary	McCreary	x		x		x			
Becks Creek	Jellico Creek	Headwaters	0.0	2.8	2.8	Whitley	Whitley	x				x			
Beech Fork	Rolling Fork	Headwaters	0.0	110.3	110.3	Nelson	Marion	x							
Beechy Creek	Kentucky Lake	Headwaters	0.3	6.2	5.9	Calloway	Calloway	x							
Big Lick Branch	Lake Cumberland	Headwaters	0.4	2.8	2.4	Pulaski	Pulaski	x				x			
Big Pitman Creek	Green River	Headwaters	0.0	42.2	42.2	Green	Taylor	x							
Big Sinking Creek A	Millers Creek	Headwaters	0.0	14.0	14.0	Lee	Lee								x
Big Sinking Creek B	Little Sandy River	Headwaters	0.0	19.0	19.0	Carter	Elliott	x							
Big South Fork Cumberland R.	Lake Cumberland	Tennessee State Line	16.5	55.2	38.7	Pulaski	McCreary	x				x	x		
Blackwater Creek	Cave Run Lake	Headwaters	7.7	15.7	8.0	Morgan	Morgan	x							
Blood River	Kentucky Lake	Tennessee State Line	8.3	15.7	7.4	Calloway	Calloway	x		x					x
Bob (Butler) Branch	Crooked Creek	Headwaters	0.0	4.0	4.0	Crittenden	Crittenden	x							

Table 3. Study Rivers with Formally Recognized Resources								Rare Species	National Natural Landmark	National Park	Federal Conservation Area	Outstanding Resource Water	State Wild River	Nature Preserves Concern	University Natural Area
River Name	Downstream Endpoint	Upstream Endpoint	Downstream Mile	Upstream Mile	Segment Length	Downstream County	Upstream County								
Bridge Fork	Laurel Creek	Headwaters	0.0	6.0	6.0	McCreary	McCreary	x							
Brier Creek	Cumberland River	Headwaters	0.0	5.3	5.3	Whitley	Whitley	x							
Briery Branch	Ohio River	Headwaters	0.0	4.7	4.7	Lewis	Lewis	x							
Brownies Creek	Poor Fork Cumberland River	Headwaters	0.0	16.3	16.3	Bell	Harlan	x				x			
Brushy Fork A	Crooked Creek	Headwaters	0.0	5.2	5.2	Crittenden	Crittenden	x							
Buck Creek A	Clear Fork	Headwaters	0.0	2.8	2.8	Whitley	Whitley	x				x			
Buck Creek B	Lake Cumberland	Lincoln County Line	10.5	52.4	41.9	Pulaski	Pulaski	x				x			
Buckhorn Creek	Troublesome Creek	Headwaters	0.0	13.9	13.9	Breathitt	Knott	x							x
Bucks Branch	Jellico Creek	Headwaters	0.0	2.5	2.5	Whitley	McCreary	x				x			
Buffalo Creek B	Tennessee State Line	Headwaters	2.0	3.4	1.4	Whitley	Whitley	x				x			
Bunches Creek	Cumberland River	Headwaters	0.0	4.9	4.9	Whitley	Whitley	x				x			
Butler Branch	Ky 55	Mt. Pleasant Church	0.3	2.6	2.3	Adair	Adair							x	
Cal Creek	Perkins Creek	Headwaters	0.0	2.0	2.0	McCreary	McCreary	x							
Camp Creek B	Ohio River	Headwaters	0.0	6.5	6.5	Crittenden	Crittenden	x							
Cane Creek A	Rockcastle River	Headwaters	0.0	12.0	12.0	Laurel	Laurel			x					
Cane Creek B	Cumberland River	Headwaters	0.0	8.5	8.5	Whitley	Whitley	x							
Caney Creek E	Left Fork Straight Creek	Left & Right Forks	0.0	0.9	0.9	Bell	Bell	x				x			
Clarks River	Tennessee River	East Fork Clarks River	0.0	59.9	59.9	McCracken	Calloway	x							
Clear Creek B	Tradewater River	Ky 502 Bridge	0.0	13.4	13.4	Hopkins	Hopkins	x							

Table 3. Study Rivers with Formally Recognized Resources

River Name	Downstream Endpoint	Upstream Endpoint	Downstream Mile	Upstream Mile	Segment Length	Downstream County	Upstream County	Rare Species	National Natural Landmark	National Park	Federal Conservation Area	Outstanding Resource Water	State Wild River	Nature Preserves Concern	University Natural Area
Clemons Fork	Buckhorn Creek	Headwaters	0.0	4.7	4.7	Breathitt	Breathitt	x							x
Clifty Creek B	Wolf Lick Creek	Sulphur Lick	0.0	13.2	13.2	Todd	Logan	x							
Clover Bottom Creek	Horse Lick Creek	Bethel Cemetary	0.0	1.4	1.4	Jackson	Jackson	x							
Cold Cave Creek	Cave Run Lake	Headwaters	1.0	3.4	2.4	Menifee	Menifee	x							
Coles Fork	Buckhorn Creek	Headwaters	0.0	6.4	6.4	Breathitt	Knott	x							x
Crooked Creek B	Ohio River	Headwaters	0.0	28.4	28.4	Crittenden	Crittenden	x							
Cumberland River	Ohio River	McCormick Creek	0.0	2.5	2.5	Livingston	Livingston	x							
Cumberland River	Tennessee State Line	Wolf Creek Dam	385.5	460.9	75.4	Monroe	Russell	x							
Cumberland River	Lake Cumberland	US 25W near Williamsburg	558.5	591.7	33.2	McCreary	Whitley	x		x	x	x	x	x	
Cypress Creek B	Pond River	Headwaters	0.0	33.3	33.3	McLean	Muhlenberg	x							x
Davis Branch	Yellow Creek	Headwaters	0.0	4.3	4.3	Bell	Bell	x	x		x			x	
Devils Fork	North Fork	Headwaters	0.0	8.3	8.3	Morgan	Elliott	x							
Dix River	Conway Creek Road	Headwaters	74.4	80.0	5.6	Rockcastle	Rockcastle	x							
Doe Run	Ky 1638	Headwaters	5.2	8.0	2.8	Meade	Meade	x							
Dog Slaughter Creek	Cumberland River	Headwaters	0.0	5.4	5.4	Whitley	Whitley	x			x				
Donaldson Creek	Lake Barkley	Headwaters	8.5	14.2	5.7	Trigg	Trigg	x							
Drakes Creek A	Barren River	West & Middle Forks	0.0	23.5	23.5	Warren	Warren	x							
Eagle Creek A	Cumberland River	Headwaters	0.0	6.2	6.2	McCreary	McCreary	x			x				
Eagle Creek B	Kentucky River	Ky 22	0.0	40.7	40.7	Carroll	Grant	x						x	

Table 3. Study Rivers with Formally Recognized Resources

River Name	Downstream Endpoint	Upstream Endpoint	Downstream Mile	Upstream Mile	Segment Length	Downstream County	Upstream County	Rare Species	National Natural Landmark	National Park	Federal Conservation Area	Outstanding Resource Water	State Wild River	Nature Preserves Concern	University Natural Area
East Fork Clarks River	Clarks River	Tennessee State Line	0.0	7.4	7.4	Calloway	Calloway	x							
East Fork Indian Creek	Indian Creek	Headwaters	0.0	7.0	7.0	Menifee	Menifee	x							
East Fork Little Barren River	Little Barren River	Headwaters	0.0	29.5	29.5	Metcalfe	Metcalfe	x							
Echo River	Green River at Echo River Spring	East Bndry Mammoth Cave National Park	0.0	4.0	4.0	Edmonson	Edmonson	x			x				
Egners Branch	Clarks River	Headwaters	0.0	4.1	4.1	Marshall	Marshall	x							
Elk Fork Red River	Tennessee State line	Snardon Mill Rd.	8.4	13.5	5.1	Todd	Todd	x							
Elkhom Creek B	Kentucky River	Fish Hatchery, Indian Gap Road	0.0	3.5	3.5	Franklin	Franklin							x	
Elkhom Creek B	Kentucky River	Forks of Elkhom	0.0	17.8	17.8	Franklin	Franklin	x						x	
Fall Lick	1/2 mile above Indian Branch	Bethel Church	2.5	6.6	4.1	Garrard	Garrard								x
Floyds Fork	Salt River	Headwaters	0.0	67.0	67.0	Bullitt	Henry	x							
Fork Lick	Licking River	South Fork, Headwaters	0.0	17.3	17.3	Grant	Grant	x							
Gasper River	Barren River	Headwaters	0.0	38.0	38.0	Warren	Logan	x							
Glover Creek B	Barren River Lake	Headwaters	1.2	5.9	4.7	Barren	Barren	x							
Goose Creek B	South Fork Kentucky River	Headwaters	0.0	42.6	42.6	Clay	Clay	x							
Grahampton Cave Stream	Grahampton Cave	Grahampton Cave	0.0	1.0	1.0	Meade	Meade	x							
Greasy Creek A	Middle Fork Kentucky River	Headwaters	0.0	26.6	26.6	Leslie	Harlan	x							
Green River	Lock & Dam No. 4	Green River Lake Dam	148.0	305.6	157.6	Butler	Taylor	x	x		x	x			
Green River	Green River Lake	Headwaters	339.9	383.5	43.6	Adair	Lincoln	x							

Table 3. Study Rivers with Formally Recognized Resources

River Name	Downstream Endpoint	Upstream Endpoint	Downstream Mile	Upstream Mile	Segment Length	Downstream County	Upstream County	Rare Species	National Natural Landmark	National Park	Federal Conservation Area	Outstanding Resource Water	State Wild River	Nature Preserves Concern	University Natural Area
Gulf Fork	Cooper Creek	Headwaters	0.0	1.5	1.5	McCreary	McCreary				x				
Gunpowder Creek	Camp Michael	Camp Ernst	7.5	13.7	6.2	Boone	Boone							x	
Hawkins River	Green River at Tumhole Bend Spring	Park City (Southwest)	0.0	8.0	8.0	Edmonson	Barren	x			x				
Hawkins River	Green River at Tumhole Bend Spring	Park City (Southwest)	0.0	8.0	8.0	Edmonson	Barren	x			x				
Hazel Creek	Axe Lake Swamp	Ky 1105	0.0	2.8	2.8	Ballard	Ballard							x	
Hickman Creek	Kentucky River	East Hickman	0.0	25.0	25.0	Jessamine	Fayette	x							
Highland Creek	Ohio River	Headwaters	0.0	31.7	31.7	Union	Webster	x						x	
Horse Lick Creek	Rockcastle River	Headwaters	0.0	21.2	21.2	Jackson	Jackson	x			x			x	
Howards Creek	Dale Hollow Lake	Caney Branch Church	0.8	2.3	1.5	Clinton	Clinton							x	
Humphreys Creek	Ohio River	Headwaters	0.0	20.5	20.5	Ballard	Ballard	x							
Hurricane Creek A	Mayfield Creek	Headwaters	0.0	7.2	7.2	Carlisle	Carlisle	x							
Indian Creek A	Red River	Headwaters	0.0	7.4	7.4	Menifee	Menifee	x		x					
Indian Creek B	Kinniconick	Headwaters	0.0	9.4	9.4	Lewis	Lewis	x							
Indian Creek F	Middle Fork Rockcastle River	Hurley, Ky	0.0	4.4	4.4	Jackson	Jackson	x							
Jessamine Creek	Kentucky River	Ky 29	0.0	13.3	13.3	Jessamine	Jessamine	x							
Kennedy Creek	Little South Fork Cumberland River	Headwaters	0.0	3.1	3.1	Wayne	Wayne	x			x				
Kentucky River	RM 89 (near BG Pkwy)	RM 176.5 (Ft Boonesborough SP)	89.0	176.5	87.5	Anderson	Clark	x						x	

Table 3. Study Rivers with Formally Recognized Resources

River Name	Downstream Endpoint	Upstream Endpoint	Downstream Mile	Upstream Mile	Segment Length	Downstream County	Upstream County	Rare Species	National Natural Landmark	National Park	Federal Conservation Area	Outstanding Resource Water State Wild River	Nature Preserves Concern	University Natural Area
Kinniconick Creek	Ohio River	Headwaters	0.0	50.4	50.4	Lewis	Lewis	x						x
Knight Branch	Beechy Creek	Headwaters	0.0	2.5	2.5	Calloway	Calloway	x						
Land Branch	Tradewater	Headwaters	0.0	2.5	2.5	Caldwell	Crittenden	x						
Laurel Creek C	Little Sandy River	Headwaters	0.0	13.5	13.5	Elliott	Rowan	x						
Laurel Fork B	Middle Fork Rockcastle River	Headwaters	0.0	12.2	12.2	Jackson	Jackson	x						
Laurel River	Lick Fork	Ky 1803	41.2	46.6	5.4	Laurel	Laurel	x						x
Ledbetter Creek	Kentucky Lake	Headwaters	1.8	3.3	1.5	Calloway	Calloway	x						
Lee Branch	Elkhorn Creek	South Fork, Headwaters	0.0	10.0	10.0	Woodford	Woodford							x
Left Fork Caney Creek	Caney Creek	Headwaters	0.0	2.0	2.0	Bell	Bell	x						
Left Fork Straight Creek	Wieser Branch	Long Branch	3.0	4.2	1.2	Bell	Bell	x						
Lewis Creek	Poor Fork Cumberland River	Headwaters	0.0	2.8	2.8	Letcher	Letcher	x						
Licking River	Visalia, Ky	Cave Run Lake Dam	19.0	173.6	154.6	Campbell	Bath	x						
Line Fork	Line Fork, Ky.	Gordon, Ky.	14.9	19.3	4.4	Letcher	Letcher	x	x					
Little Barren River	Green River	East and South Forks	0.0	20.9	20.9	Green	Metcalfe	x						
Little Clear Creek	Clear Creek	Headwaters	0.0	11.4	11.4	Bell	Bell	x				x		
Little River	Lake Barkley	North & South Forks	16.3	61.0	44.7	Trigg	Christian	x						
Little Sandy River	Ohio River	Grayson Lake Dam	0.0	51.0	51.0	Greenup	Carter	x						
Little South Fork Cumberland R	Lake Cumberland	Tennessee State Line	4.1	43.7	39.6	McCreary	Wayne	x				x	x	
Little Yellow Creek	Yellow Creek	Fern Lake Dam	0.0	3.2	3.2	Bell	Bell	x	x			x		x

Table 3. Study Rivers with Formally Recognized Resources

River Name	Downstream Endpoint	Upstream Endpoint	Downstream Mile	Upstream Mile	Segment Length	Downstream County	Upstream County	Rare Species	National Natural Landmark	National Park	Federal Conservation Area	Outstanding Resource Water	State Wild River	Nature Preserves Concern	University Natural Area
Logsdon River	Hawkins River	East of Roppel Cave near Cave City	0.0	4.0	4.0	Edmonson	Barren	x				x			
Long Branch A	Cumberland River	Headwaters	0.0	0.7	0.7	Whitley	Whitley	x							
Long Branch B	Left Fork Straight Creek	Headwaters	0.0	2.5	2.5	Bell	Bell	x			x				
Long Creek	Barren River Lake	Ky 1578	7.5	12.1	4.6	Allen	Allen	x							
Lower Hood Branch	Red River	Middle Fork, Headwaters	0.0	1.8	1.8	Powell	Powell							x	
Marsh Creek	Cumberland River	Tennessee State Line	0.0	24.6	24.6	McCreary	McCreary	x							
Martins Fork	Rough Branch	Headwaters (Cumberland Gap Park)	27.4	37.2	9.8	Harlan	Bell	x			x	x			
Mayfield Creek	Mississippi River	Headwaters	0.0	61.3	61.3	Carlisle	Graves	x							
Meadow Creek B	Ky 90	KY 1619	1.3	4.9	3.6	Wayne	Wayne							x	
Middle Creek B	Belleview	1 mile upstream of Boone Cliffs Preserve	2.7	5.4	2.7	Boone	Boone							x	
Middle Fork Kentucky River	Buckhorn Lake	Dry Fork at Spruce Pine	76.6	98.2	21.6	Leslie	Leslie	x							
Middle Fork Red River	Sinking Fork	Ky 11 (near Torrent, KY)	11.3	13.7	2.4	Wolfe	Wolfe							x	
Middle Fork Rockcastle River	Rockcastle River	Indian Creek	0.0	7.8	7.8	Jackson	Jackson				x				
Mill Creek A	Straight Creek	Headwaters	0.0	3.2	3.2	Bell	Bell	x			x				
Mill Creek C	Lake Cumberland	Headwaters	0.6	5.5	4.9	McCreary	McCreary	x			x				
Minor Creek	Craney Creek	Headwaters	0.0	6.8	6.8	Morgan	Rowan	x							
Mississippi River	Tennessee State Line	Ohio River	882.6	953.8	71.2	Fulton	Ballard	x							

Table 3. Study Rivers with Formally Recognized Resources

River Name	Downstream Endpoint	Upstream Endpoint	Downstream Mile	Upstream Mile	Segment Length	Downstream County	Upstream County	Rare Species	National Natural Landmark	National Park	Federal Conservation Area	Outstanding Resource Water	State Wild River	Nature Preserves Concern	University Natural Area
Montgomery Creek A	Tradewater River	1 mi. s. of northern Illinois Central RR	0.0	2.2	2.2	Caldwell	Caldwell							x	
Mud River	Green River	Headwaters	0.0	70.6	70.6	Butler	Logan	x							
Ned Branch	Rockcastle River	Headwaters	0.0	1.9	1.9	Laurel	Laurel	x							
Nolin River	Nolin Lake	North Fork	64.3	121.5	57.2	Grayson	Larue	x							
North Fork Kentucky River	Breathitt County Line	War Creek	275.3	281.9	6.6	Breathitt	Breathitt	x							
North Fork Ruin Creek	Ruin Creek	Headwaters	0.0	5.1	5.1	Elliott	Elliott	x							
North Fork Triplett Creek	Triplett Creek	Headwaters	0.0	25.6	25.6	Rowan	Rowan	x							
Obion Creek	Mississippi River	Ky 339	0.0	44.4	44.4	Fulton	Graves	x							
Ohio River	Mississippi River	Wabash River	0.0	133.5	133.5	Ballard	Union	x				x			
Ohio River	Highland Creek (Henderson Slough)	Deadman's Island	139.5	172.7	33.2	Union	Henderson	x	x						
Ohio River	Diamond Island	Green River	163.5	197.4	33.9	Henderson	Henderson	x							
Ohio River	River Mile 371.9	River Mile 377.9 (below Falls of Ohio)	371.9	377.9	6.0	Jefferson	Jefferson				x				
Ohio River	River Mile 382.3 (near Cox Park)	Harrods Creek	382.3	385.5	3.2	Jefferson	Jefferson							x	
Panther Creek A	Kentucky Lake	1 mile above TVA boundry	0.0	1.5	1.5	Calloway	Calloway	x			x			x	
Pine Creek	Rockcastle River	Headwaters	0.0	7.0	7.0	Laurel	Laurel	x							
Piney Creek	Tradewater River	Headwaters	0.0	25.5	25.5	Crittenden	Crittenden	x							
Pitman Creek	Lake Cumberland	Headwaters	5.5	34.3	28.8	Pulaski	Pulaski	x							
Pond Creek D	Mayo Lane	Ky 42	1.7	3.3	1.6	Oldham	Oldham	x							

Table 3. Study Rivers with Formally Recognized Resources

River Name	Downstream Endpoint	Upstream Endpoint	Downstream Mile	Upstream Mile	Segment Length	Downstream County	Upstream County	Rare Species	National Natural Landmark	National Park	Federal Conservation Area	Outstanding Resource Water	State Wild River	Nature Preserves Concern	University Natural Area
Poor Fork Cumberland River	Blair, Ky.	Headwaters	722.0	744.0	22.0	Harlan	Letcher	x				x			
Powell Branch	East Fork Indian Creek	Headwaters	0.0	1.2	1.2	Menifee	Menifee	x							
Powell Creek	Tennessee State Line	Headwaters	4.0	8.5	4.5	Graves	Graves	x							
Raven Run	Kentucky River	Headwaters	0.0	2.8	2.8	Fayette	Fayette	x							
Red Bird River	South Fork Kentucky River	Sugar Creek	0.0	21.1	21.1	Clay	Clay	x							
Red River A	Kentucky River	Clark Branch	0.0	68.6	68.6	Clark	Wolfe	x	x		x	x	x		
Red River B	Tennessee State Line	Tennessee State Line	50.2	80.5	30.3	Simpson	Logan	x							
Right Fork Buffalo Creek	Buffalo Creek	Headwaters	0.0	11.1	11.1	Owsley	Owsley	x							
Rock Creek A	Rockcastle River	Headwaters	0.0	2.0	2.0	Laurel	Laurel				x				
Rock Creek B	Big South Fork Cumberland River	Tennessee State Line	0.0	21.9	21.9	McCreary	McCreary	x				x	x		
Rock Creek C	Jellico Creek	Headwaters	0.0	5.7	5.7	McCreary	McCreary	x				x			
Rock House Slough	Rough River	Headwaters	0.0	1.7	1.7	Ohio	Ohio	x							
Rockcastle River	Lake Cumberland	Middle Fork Rockcastle River	8.5	53.3	44.8	Laurel	Jackson	x				x	x		
Rolling Fork	Salt River	Big South Fork	0.0	107.9	107.9	Bullitt	Marion	x							
Ross Branch	Jellico Creek	Headwaters	0.0	1.6	1.6	Whitley	Whitley	x				x			
Rough River	Ky 69 at Dundee, Ky	Rough River Lake Dam	56.5	89.4	32.9	Ohio	Breckinridge	x							
Roundstone Creek	Rockcastle River	Headwaters	0.0	28.4	28.4	Rockcastle	Rockcastle	x				x			
Ruin Creek	Little Sandy River	North & South Forks	0.0	1.2	1.2	Elliott	Elliott	x							
Running Slough	Tennessee State Line	Headwaters	0.0	15.3	15.3	Fulton	Fulton	x							

Table 3. Study Rivers with Formally Recognized Resources

River Name	Downstream Endpoint	Upstream Endpoint	Downstream Mile	Upstream Mile	Segment Length	Downstream County	Upstream County	Rare Species	National Natural Landmark	National Park	Federal Conservation Area	Outstanding Resource Water	State Wild River	Nature Preserves Concern	University Natural Area
Russell Creek	Green River	Headwaters	0.0	68.1	68.1	Green	Russell	x							
Russell Fork	Levisa Fork	Virginia State Line	0.0	16.0	16.0	Pike	Pike	x							
Sanders Creek	Cumberland River	Headwaters	0.0	5.2	5.2	Whitley	Whitley	x				x			
Shawnee Creek	Mississippi River	Headwaters	0.0	17.4	17.4	Ballard	Ballard	x							
Shillalah Creek	Clear Fork	Headwaters	0.0	5.4	5.4	Bell	Bell	x							
Shut-in Branch	Jellico Creek	Headwaters	0.0	1.0	1.0	McCreary	McCreary	x				x			
Sims Fork	Left Fork Straight Creek	Headwaters	0.0	6.5	6.5	Bell	Bell	x				x			
Sinking Creek C	Big South Fork	Dry Fork	0.0	11.6	11.6	Wayne	Wayne	x							
Skeggs Creek	Barren River Lake	Headwaters	23.1	51.1	28.0	Barren	Metcalfe	x							
Slabcamp Creek	Craney Creek	Headwaters	0.0	3.6	3.6	Rowan	Rowan	x							
Slate Creek	Licking River	Headwaters	0.0	59.3	59.3	Bath	Menifee	x							
South Fork Beargrass Creek	Beargrass Creek (Louisville)	Headwaters	0.0	15.5	15.5	Jefferson	Jefferson	x							
South Fork Harrods Creek	Harrods Creek	Interstate 71	0.0	4.5	4.5	Oldham	Oldham							x	x
South Fork Kentucky River	Kentucky River	Red Bird River	0.0	45.1	45.1	Lee	Clay	x							
South Fork Red River	Red River	Tennessee State Line	0.0	8.0	8.0	Logan	Logan	x							
South Fork Ruin Creek	Ruin Creek	Headwaters	0.0	4.0	4.0	Elliott	Elliott	x							
Spruce Creek	Cooper Creek	Spruce Hollow	0.0	2.6	2.6	McCreary	McCreary				x				
Station Camp Creek	Kentucky River	War Fork	0.0	22.3	22.3	Estill	Jackson	x							
Stovall Creek	Mayfield Creek	Headwaters	0.0	6.3	6.3	Ballard	Ballard	x							

Table 3. Study Rivers with Formally Recognized Resources

River Name	Downstream Endpoint	Upstream Endpoint	Downstream Mile	Upstream Mile	Segment Length	Downstream County	Upstream County	Rare Species	National Natural Landmark	National Park	Federal Conservation Area	Outstanding Resource Water	State Wild River	Nature Preserves Concern	University Natural Area
Straight Creek	Cumberland River	Stoney Fork	0.0	11.3	11.3	Bell	Bell	x				x			
Straight Creek	Widow Branch	Little Widow Branch	17.4	18.1	0.7	Harlan	Harlan	x							
Sturgeon Creek	Kentucky River	Headwaters	0.0	33.4	33.4	Lee	Jackson	x							
Sugar Creek B	Cumberland River	Headwaters	0.0	10.4	10.4	Livingston	Livingston	x							
Sulphur Creek	Halifax-Settle Road Bridge	Carl Hurt Road Bridge	2.4	4.4	2.0	Allen	Allen							x	
Sulphur Creek	Halifax-Settle Road Bridge	Carl Hurt Road Bridge	2.4	4.4	2.0	Allen	Allen							x	
Tennessee River	Ohio River	Kentucky Lake Dam	0.0	22.4	22.4	McCracken	Livingston	x			x				
Terrapin Creek	Tennessee State Line	Ky 1485	2.8	5.3	2.5	Graves	Graves	x						x	
Tight Hollow Creek	Mill Creek	Headwaters	0.0	1.7	1.7	Wolfe	Wolfe							x	
Tradewater River	Ohio River	Headwaters	0.0	131.2	131.2	Crittenden	Christian	x							
Trammel Fork	Drakes Creek	Tennessee State Line	0.0	30.2	30.2	Warren	Allen	x							
Troublesome Creek C	Buckhorn Creek	Cat Hollow	14.2	16.2	2.0	Perry	Perry								x
Tug Fork	Big Sandy River	Rockcastle Creek	0.0	10.2	10.2	Lawrence	Lawrence	x							
Tygarts Creek	Greenup County Line	Ky 182	49.0	65.3	16.3	Carter	Carter	x							
U.T. of Harrods Creek-1st Trib	Harrods Creek	Headwaters	0.0	3.2	3.2	Jefferson	Oldham	x							
U.T. of Muddy Fork(Mockingbrd)	Muddy fork	Headwaters	0.0	1.7	1.7	Jefferson	Jefferson	x							
Upper Hood Branch	Lower Hood Branch	Headwaters	0.0	1.6	1.6	Powell	Powell							x	
Upper Lick Fork	Cave Run Lake	Headwaters	2.9	6.3	3.4	Rowan	Rowan	x							
War Fork Station Camp Creek	Station Camp Creek	Headwaters	0.0	13.7	13.7	Jackson	Jackson	x							

Table 3. Study Rivers with Formally Recognized Resources															
River Name	Downstream Endpoint	Upstream Endpoint	Downstream Mile	Upstream Mile	Segment Length	Downstream County	Upstream County	Rare Species	National Natural Landmark	National Park	Federal Conservation Area	Outstanding Resource Water	State Wild River	Nature Preserves Concern	University Natural Area
Weicher Creek	Beargrass Creek	Headwaters	0.0	2.2	2.2	Jefferson	Jefferson	x							
West Fork Clarks River	Clarks River	Headwaters	0.0	37.5	37.5	McCracken	Calloway	x							
West Fork Drakes Creek	Drakes Creek	Tennessee State Line	0.0	32.8	32.8	Warren	Simpson	x							
West Fork Drakes Creek	Drakes Creek	Tennessee State Line	0.0	32.8	32.8	Warren	Simpson	x							
West Fork Red River	Tennessee State Line	Headwaters	14.5	46.8	32.3	Christian	Todd	x							
Whippoorwill Creek	Red River	Headwaters	0.0	44.7	44.7	Logan	Todd	x							
White Oak Creek C	Tygarts Creek	Headwaters	0.0	10.6	10.6	Greenup	Greenup	x							
Wilson Creek B	Rolling Fork	Headwaters	0.0	17.0	17.0	Bullitt	Bullitt	x							
Wolf Creek A	Clear Fork	Headwaters	0.0	6.4	6.4	Whitley	Whitley	x							
Wolf Lick Creek	Mud River	Headwaters	0.0	27.4	27.4	Logan	Logan	x							
Yocum Creek	Cave Run Lake	Headwaters	2.6	4.6	2.0	Morgan	Morgan	x							
Youngs Creek	Cumberland River	Headwaters	0.0	6.1	6.1	Whitley	Whitley	x				x		x	



River Assessment Process

This final report of the Kentucky Rivers Assessment presents the findings of a comprehensive statewide evaluation of resources associated with the state's most significant rivers. Ten categories of resource values or uses form the analytical framework for the evaluation: agricultural lands, botanical resources, corridor character, cultural resources, fish resources, geologic and scenic features, recreational boating, water quality, water resources, and wildlife resources. These resource categories were identified by river experts to reflect the full range of values, uses, and interests for Kentucky rivers as well as the administrative responsibilities of state and federal agencies. The most important rivers in the state were selected and evaluated for their significance within one or more of the resource categories. The data portrayed in this report is also contained within an active river resource database to facilitate the future collection, manipulation and use of resource information.

BACKGROUND

Demands for the use of Kentucky's rivers are increasing at an unprecedented rate. Severe droughts occurring in the 1980s have spawned numerous proposals to build water supply reservoirs on some of the state's major river systems. Increased efforts to attract industry to Kentucky will place new pressures on the use of rivers for the assimilation of industrial wastes. Proposals for hydroelectric facilities, mineral resource extraction, transportation, flood control, and navigation projects, as well as accelerating residential and commercial development, will place additional burdens on the riverine environment. This demand for river-related resources is accompanied by the steadily increasing use of rivers for recreational activities.

There is a renewed awareness that the natural qualities associated with rivers and their adjacent lands are essential to the quality of life in Kentucky. The value of rivers as community assets has been formally recognized each year since 1986 through the governor's proclamation of June as Kentucky Rivers Month. Dozens of communities and citizen groups across the state participate in Rivers Month by hosting river celebrations along their favorite local streams. This appreciation and concern for Kentucky's

rivers is also demonstrated year-round by the thousands of citizens participating in the State's Water Watch Adopt-A-Stream program.

The wise use and conservation of Kentucky's river resources are clearly in the public interest. The challenge facing Kentucky is the balancing of economic development with the protection and conservation of important river resource values and uses. The first step in effectively planning for the future of Kentucky's rivers and the goal of the Kentucky Rivers Assessment is the systematic collection and analysis of river-related resource information.

The Kentucky Rivers Assessment was initiated, therefore, to establish a basis for sound resource decision-making with respect to the important public values afforded by rivers, including reliable water supplies, fish and wildlife, prime agricultural lands, outdoor recreation, aesthetics, and environmental education. Decisions regarding the protection and wise use of rivers are vital to the future well-being of Kentucky's residents and enjoyment by visitors. The availability of river-related information will allow developers and resource managers to evaluate the relative merits of various proposals. Further, the use of such information will facilitate project permitting by providing much of the information neces-

sary for environmental reviews and by alerting applicants to the types of resource values present. The establishment of a comprehensive river resource database provides a means to identify unavailable data and ensure its systematic collection. This information framework will facilitate the development of a program for the statewide management of rivers, while the evaluation process will foster a cooperative dialogue among the various, and sometimes competing, river interests.

The Kentucky Rivers Assessment was officially initiated in January 1989 by the Division of Water within the Kentucky Department for Environmental Protection in cooperation with the Southeast Regional Office of the National Park Service. Technical assistance was provided by National Park Service staff through the Rivers, Trails, and Conservation Assistance Program, authorized by Section II of the Wild and Scenic Rivers Act (Public Law 90-542). The provisions of Section II direct the National Park Service to assist state and local governments as well as private organizations with river protection and conservation efforts.

The assessment began with the formation of a study team, composed of personnel from the Kentucky Division of Water and the National

Park Service, to administer all aspects of the process. The Kentucky Rivers Assessment Advisory Committee representing various river interests was organized to provide overall project guidance, assist with information collection, and review project results. Teams of resource experts for each category were organized to identify study rivers, analyze river-related information, and evaluate each river. The resource teams identified minimum standards for the inclusion of rivers in the assessment process, selected rivers to be evaluated, and developed appropriate criteria to evaluate each river. More than 60 people participated in the preparation of the Kentucky Rivers Assessment as members of one or more resource teams.

ASSESSMENT METHODOLOGY

The methodology developed by the study team to conduct the Kentucky Rivers Assessment was based on the process used in completing similar statewide rivers assessments. The assessment process was structured to rely on existing, verifiable data; utilize recognized river resource experts within the state; and incorporate public input in study river selection and evaluation. The process was designed to develop an objective database for the state's significant rivers and

to establish a consensus among river experts regarding those rivers.

Identification of River Resource Categories

The resource values and uses of Kentucky rivers have been defined by 10 resource categories which include a total of 17 subcategories. The resource categories and subcategories were selected in view of the following considerations:

- Variety of public uses for Kentucky rivers
- Range of public interests and values concerning rivers in Kentucky
- Resource responsibilities and functions of federal and state agencies

The river resource categories served as the framework for the collection and analysis of river-related information to evaluate each study river as well as a basis to define future research through the identification of significant data needs. The resource categories selected for the Kentucky assessment consist of the following:

Agricultural Lands: river corridor lands suitable for farming and timber production

Botanical Resources: river corridors with threatened or endangered plant species or rare plant communities

Corridor Character: undeveloped corridors with free-flowing rivers; developed urban river corridors with recreational, historic, or economic values

Cultural Resources: river corridors that encompass historic or archaeological sites

Fish Resources: rivers with significant fish and mussel species composition, aquatic habitat, or recreational and commercial fisheries

Geologic and Scenic Features: rivers and corridors with natural features, providing educational, scenic, and/or scientific value

Recreational Boating: rivers providing opportunities for flatwater, whitewater, power, or backcountry boating

Water Quality: rivers of superior water quality

Water Resources: rivers with the potential to provide water supplies for municipal and industrial purposes as well as for power generation

Wildlife Resources: river corridors with significant animal numbers and diversity, key habitat areas, or recreational and commercial opportunities

Selection of Study Rivers

For each category, resource team members developed minimum standards to be used for the identification of study rivers. The minimum standards reflect those attributes or characteristics that lend resource significance to a river and establish a minimum level of eligibility for inclusion in the assessment. Such standards ensure the evaluation of those rivers recognized by resource experts as having significant resource values. Specific minimum standards for each resource category are presented in subsequent chapters.

Using the Hydrologic Unit Map of Kentucky (U.S. Geological Survey, 1974) as a base, rivers or river segments that met the established minimum standards were selected for the assessment. Rivers not appearing on the hydrologic map were selected for study if specifically identified as significant by resource experts. The minimum length of a study river or segment, if any, was determined by each resource team. Some resource values are typically confined to the

river, while others extend a considerable distance from the river to adjacent land areas. In addition, numerous river segments were selected for study under more than one resource category.

The following guidelines were used to delineate the actual river study segment:

- entire segment met the resource category minimum standards with resource values and uses present throughout the study segment
- downstream and upstream endpoints of the study segment were defined using a readily identifiable natural or cultural landmark (e.g., confluence with another river, a bridge crossing, or a county boundary) or the distance in river miles from a landmark
- identification of counties through which the study segment passed
- length of the study segment in miles (to the nearest tenth of a mile)

Initially, a total of 306 study rivers (32,159 river miles) were identified by resource teams for evaluation in the rivers assessment. A preliminary list of study rivers, including a description of the resource categories and minimum standards, was distributed to the public for nomination

of additional study rivers. As a result of nominations received, an additional 53 study rivers were identified for inclusion in the assessment.

River Resource Evaluation Process

A description of the evaluation process for each resource category is presented in chapters describing each category. Resource teams developed the methodology to evaluate study rivers in each resource category, using both quantitative and qualitative criteria and a numeric rating system. Evaluations were based on verifiable data whenever possible, although expert judgment was used as necessary. Study rivers in each resource category were evaluated independently of their significance for other resource values. For example, a study segment was evaluated for its significance as a fishery without reference to its significance for cultural resources.

Assignment of Value Classes

Based on the established methodology, resource teams assigned one of three value classes to each study river segment within the appropriate resource category. The value class denotes the relative significance of a river segment within a given resource category. In cases where all data

necessary to fully evaluate a study segment were not available, the specific data unavailable is noted.

Class 1 (Superior) - river segments and related corridors with resource values that are of state-wide or national significance.

Class 2 (Highly Significant) - river segments and related corridors with resource values that are of regional significance.

Class 3 (Significant) - river segments and related corridors with resource values that are of local significance.

SYNTHESIS OF INFORMATION BY RESOURCE CATEGORY

River-related resources and uses evaluated through the assessment process are presented in a variety of formats organized by resource category chapters. Individual chapters are generally organized as follows:

- **Resource Category Maps** - Study rivers evaluated in each resource category were mapped to illustrate geographic distribution.
- **Evaluation Process** - The methods used to evaluate each study river within a resource category are described including minimum criteria to select study rivers and evaluation criteria typically accompanied with weighting factors.

- **Resource Category Findings** - The results of information gained through the evaluation process are presented as major findings by resource category. In addition, a complete listing of study rivers is organized by value class.

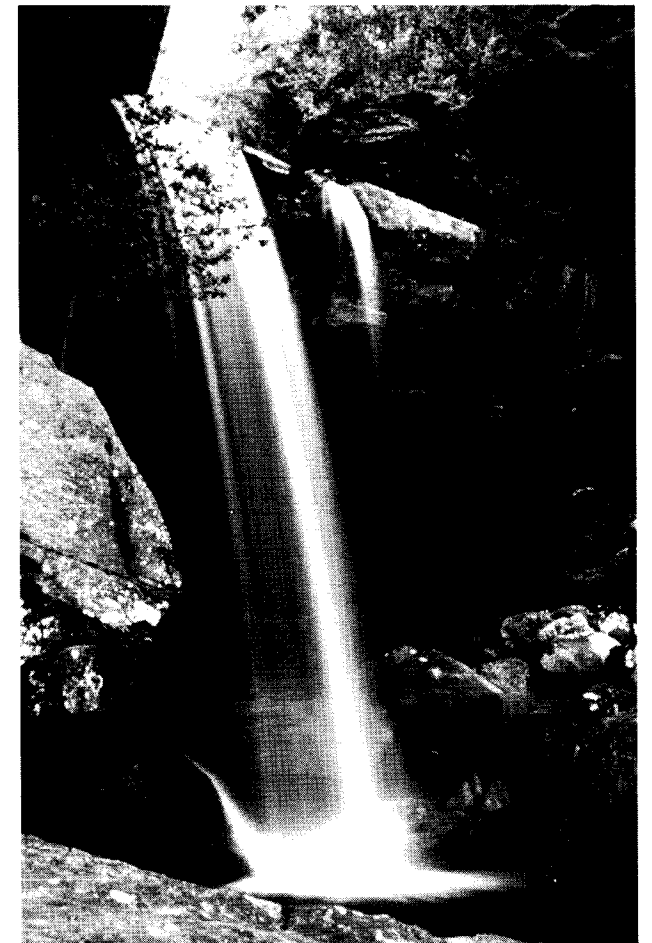
SYNTHESIS OF INFORMATION BY RIVER BASINS

River resource value classes are listed for each study river organized by river basin. A map delineating Kentucky's twelve river basins is located at the beginning of the chapter. A listing of study rivers within each basin describes the segments studied and indicates counties, segment lengths, and value classes.

SYNTHESIS OF INFORMATION BY RIVER SEGMENT

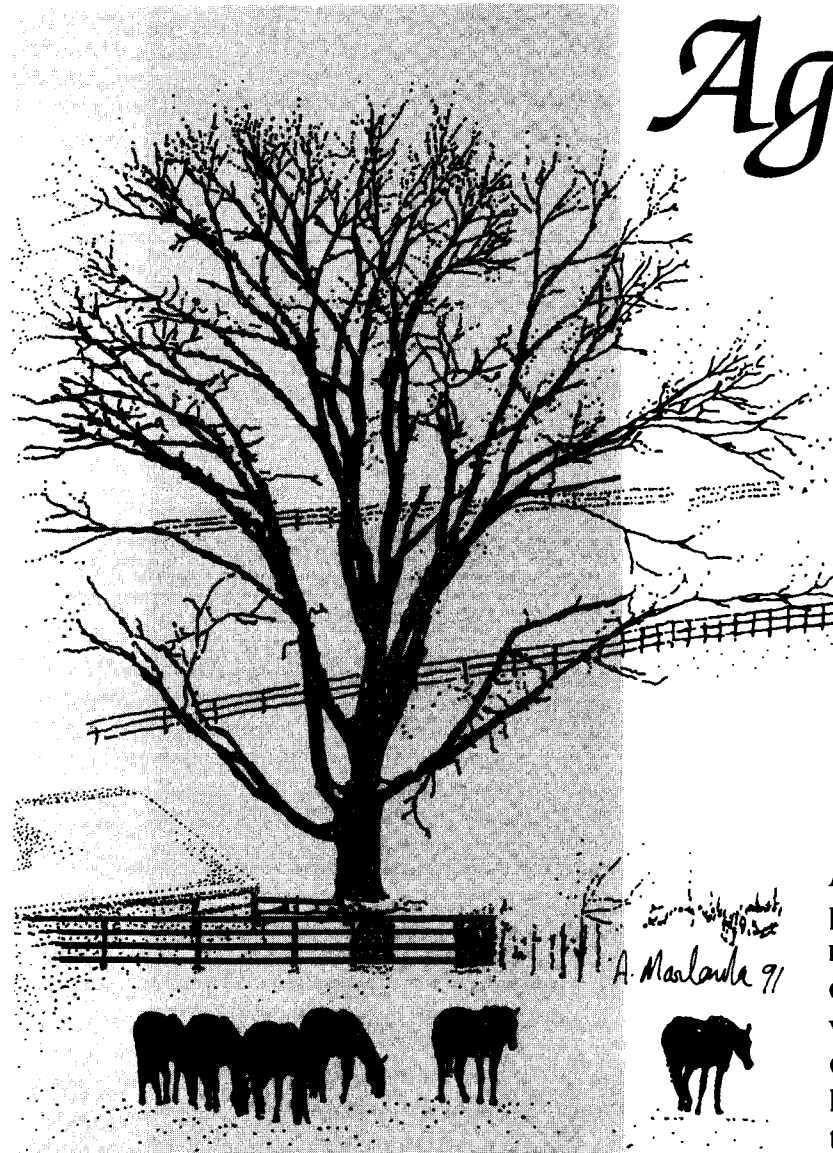
Resource values are displayed collectively by river segment in a matrix format. The value class ranking for all resource categories studied is given for each segment.

Eagle Creek Falls



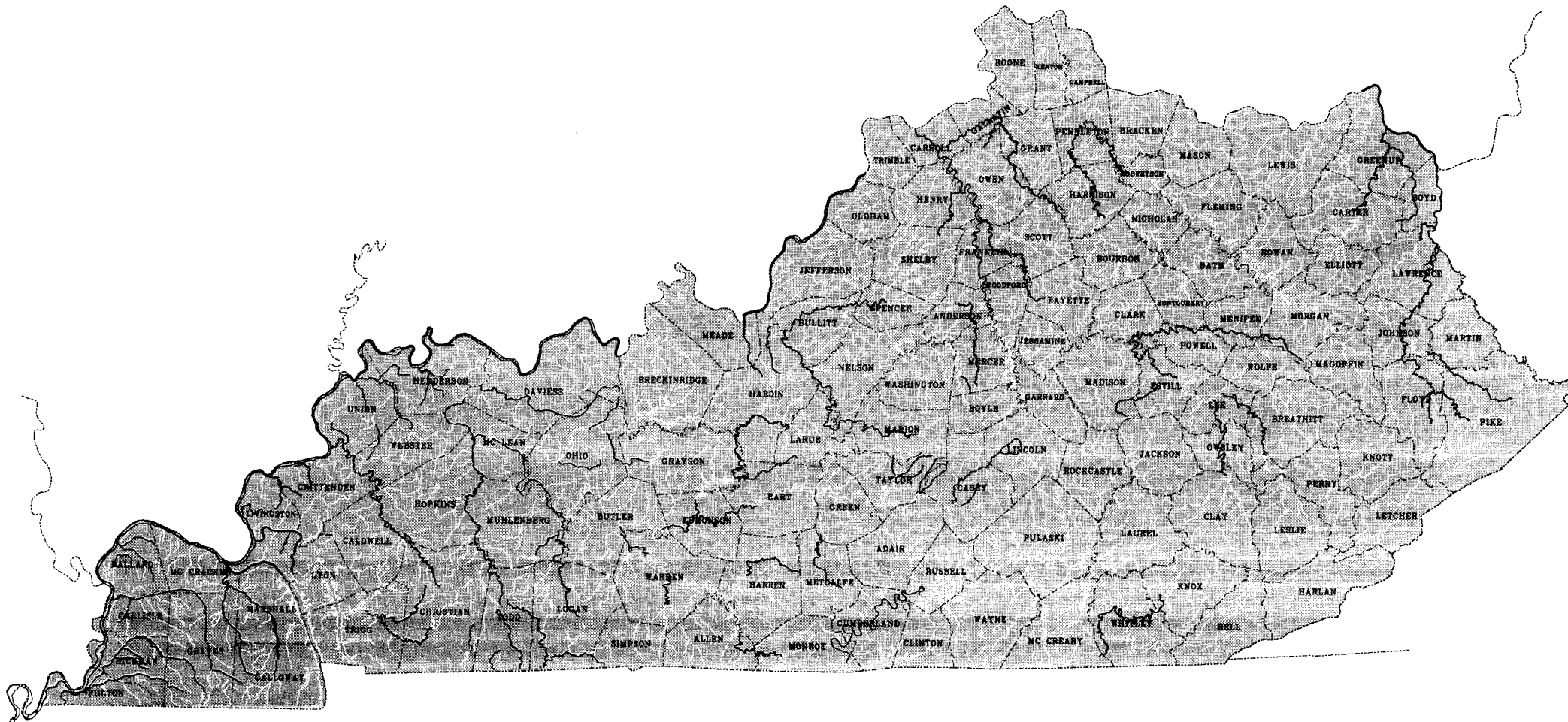
James Archambeault

Agricultural Lands



Agricultural lands are frequently found along river corridors within rich and productive floodplain and bottomland areas. Due to the fertile soils within these river corridors and the proximity to abundant water supplies, a large percentage of Kentucky's agricultural lands lie along rivers and streams. Agricultural lands, which include prime riparian farm and timber lands, are used for the production of crops, livestock, timber, horticultural plants and fruit. These lands are extremely important for food production and provide a major economic contribution to the state.

Agricultural Lands Study Rivers



EVALUATION METHODOLOGY

River and stream corridors that include agricultural lands were evaluated to determine those areas most significant for agricultural and timber production. Agricultural lands are prime riparian areas used or having the potential for producing high yields of crops and timber production. Each study river included within the agricultural lands resource category met one of the following **minimum standards**:

- occurrence of prime farmland (land available for use with the best combination of physical and chemical characteristics for producing food, feed, forage, fiber or oilseed crops) or prime timberland (soil phase with an estimated yield greater than 85 cubic feet per acre using oak as an indicator species) within the river corridor, occurrence of land within the river corridor in agricultural or timber production or land capable of supporting crop production
- occurrence of areas within the river corridor that have livestock operations or in which the river is a primary water supply for livestock or crop irrigation

Each river segment with significant agricultural and timber lands was evaluated according to the presence of prime farmlands, prime timberlands

and/or farmable lands. Areas considered in the evaluation consisted of alluvial lands and those lands immediately adjacent to rivers. Study rivers with prime farmlands and timberlands and farmable lands were ranked the highest while those rivers with fewer production capabilities were ranked lower. The evaluation of timberland and farmland was based on soil types using the general soils map for Kentucky.

Class 1 - study rivers with prime farmland, prime timberland and farmable land

Class 2 - study rivers with prime farmland and farmable land; prime timberland and farmable land; or prime farmland and prime timberland

Class 3 - Study rivers with farmable land, prime farmland, or prime timberland

FINDINGS

Bottomland hardwood acreage is shrinking across the state while demands for food and timber are increasing. The deep alluvial valleys in Kentucky's river corridors are among the most productive in the country and prime farmland and timberland need to be protected and maintained in production.

A total of 113 segments (8.3% of the rivers studied in the assessment) and 3,467.1 miles (9.0% of the total miles studied in the assessment) were evaluated in the agricultural lands category. Agricultural rivers ranged from two miles (Spring Creek in Grayson County) to 270.5 miles (Ohio River). The best agricultural lands tended to be along large rivers located in western and central Kentucky. The Ohio and Green rivers ranked highest among all of the rivers evaluated.

Nineteen rivers covering 791.8 miles were identified as Class 1 agricultural rivers. Class 1 rivers ranged in length from 4.4 to 270.5 miles, averaging 41.7 miles. The majority are located in the western part of the state.

Thirty-four rivers covering 1,056.3 miles were identified as Class 2 agricultural rivers. These rivers ranged in length from 2.8 to 126.1 miles, averaging 31.1 miles. Class 2 rivers are evenly distributed throughout the state.

Sixty rivers covering 1,619.0 miles were identified as Class 3 agricultural rivers. These rivers ranged in length from two to 131.2 miles, averaging 27.0 miles. Class 3 rivers are located throughout the state.

Table 4. Summary of Agricultural Land Evaluations

	Class 1	Class 2	Class 3	Total
Number of Segments	19	34	60	113
Miles	791.8	1056.3	1619.0	3467.1

SOURCES OF INFORMATION

Kentucky Division of Conservation and U.S. Soil Conservation Service, *Kentucky Digitized General Soils Map*, July 1986

Kentucky Division of Conservation, *Kentucky Soil and Water Conservation Commission Long Range Plan*, January 1982.

Kentucky Conservation Districts, *Conservation District Long Range Plans*.

U.S. Department of the Interior, *Water Use in Kentucky*, U.S. Geological Survey, 1980.

Farmland near Kentucky River



Scott Hankla

AGRICULTURAL LANDS -- CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Bayou de Chien	Mississippi River	0.0	Headwaters	30.6	Fulton	Graves	30.6
Big Sandy River	Ohio River	0.0	Levisa Fork	26.8	Boyd	Lawrence	26.8
Canoe Creek	Ohio River	0.0	Headwaters	14.8	Henderson	Henderson	14.8
Clarks River	Tennessee River	0.0	East Fork Clarks River	59.9	McCracken	Calloway	59.9
Cumberland River	Ohio River	0.0	Lake Barkley Dam	30.6	Livingston	Livingston	30.6
Elam Ditch	Canoe Creek	0.0	Headwaters	8.0	Henderson	Henderson	8.0
Green River	Pond River	55.1	Rough River	71.3	McLean	McLean	16.2
Green River	Green River Lake	339.9	Dry Fork	344.2	Adair	Casey	4.3
Highland Creek	Ohio River	0.0	Headwaters	31.7	Union	Webster	31.7
Leech Creek	Mayfield Creek	0.0	Headwaters	6.4	Graves	Graves	6.4
Mayfield Creek	Mississippi River	0.0	Headwaters	61.3	Carlisle	Graves	61.3
Obion Creek	Mississippi River	0.0	Headwaters	60.7	Fulton	Graves	60.7
Ohio River	Mississippi River	0.0	Clover Creek	270.5	Ballard	Breckinridge	270.5
Ohio River	Otter Creek	345.0	Patton Creek	405.1	Meade	Oldham	60.1
Ohio River	Tygarts Creek	628.2	Big Sandy River	664.0	Greenup	Boyd	35.8
Tennessee River	Ohio River	0.0	Kentucky Lake Dam	22.4	McCracken	Livingston	22.4
West Fork Canoe Creek	Canoe Creek	0.0	Headwaters	7.0	Henderson	Henderson	7.0
West Fork Clarks River	Clarks River	0.0	Headwaters	37.5	McCracken	Calloway	37.5
Wilson Creek	Canoe Creek	0.0	Headwaters	7.2	Henderson	Henderson	7.2

AGRICULTURAL LANDS -- CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Barren River	Green River	0.0	Lock & Dam No. 1	15.0	Butler	Warren	15.0
Blaine Creek	Big Sandy River	0.0	Yatesville Dam	12.0	Lawrence	Lawrence	12.0
Brush Creek	Obion Creek	0.0	Headwaters	8.5	Hickman	Hickman	8.5
Brush Creek	Eagle Creek	0.0	Headwaters	14.2	Grant	Owen	14.2

AGRICULTURAL LANDS -- CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Brushy Fork	Green River Lake	1.8	Sportsman Lake Dam	4.6	Taylor	Taylor	2.8
Cane Creek	Bayou de Chien	0.0	Headwaters	10.2	Hickman	Hickman	10.2
Cherokee Creek	Blaine Creek	0.0	Headwaters	5.0	Lawrence	Lawrence	5.0
Cumberland River	Tennessee State Line	385.5	Wolf Creek Dam	460.9	Monroe	Russell	75.4
Cumberland River	Jellico Creek	574.8	Indian Creek	623.8	Whitley	Knox	49.0
Drakes Creek	Barren River	0.0	West & Middle Forks	23.5	Warren	Warren	23.5
Eagle Creek	Kentucky River	0.0	Headwaters	93.4	Carroll	Scott	93.4
Elk Fork Red River	Tennessee State Line	8.4	Headwaters	37.2	Todd	Todd	28.8
Green River	South Fork	344.2	Headwaters	383.5	Adair	Lincoln	39.3
Irish Creek	Blaine Creek	0.0	Headwaters	5.8	Lawrence	Lawrence	5.8
Jellico Creek	Cumberland River	0.0	Tennessee State Line	25.1	Whitley	McCreary	25.1
Kentucky River	Ohio River	0.0	Elkhorn Creek	51.9	Carroll	Franklin	51.9
Kentucky River	Upper Howard Creek	187.2	Millers Creek	225.8	Clark	Estill	38.6
Levisa Fork	Toms Creek	0.0	Fishtrap Lake Dam	58.2	Lawrence	Johnson	58.2
Little Mud Creek	Bayou de Chien	0.0	Headwaters	7.2	Fulton	Fulton	7.2
Long Branch	Green River Lake	0.6	Headwaters	6.1	Taylor	Taylor	5.5
Middle Fork Kentucky River	North Fork Kentucky River	0.0	Buckhorn Lake Dam	43.3	Lee	Perry	43.3
Mississippi River	Tennessee State Line	882.6	Ohio River	953.8	Fulton	Ballard	71.2
Montgomery Creek	West Fork Red River	0.0	Headwaters	10.7	Christian	Christian	10.7
Mud River	Green River	0.0	Headwaters	70.6	Butler	Logan	70.6
Pond Creek	Highland Creek	0.0	Headwaters	17.2	Union	Henderson	17.2
Pond River	Green River	0.0	Headwaters	101.1	Hopkins	Todd	101.1
Robinson Creek	Green River Lake	18.5	Headwaters	28.1	Taylor	Taylor	9.6
Running Slough	Tennessee State Line	0.0	Headwaters	15.3	Fulton	Fulton	15.3
South Fork Licking River	Crooked Creek	16.6	Townsend Creek	59.8	Harrison	Bourbon	43.2
South Fork Little Barren River	Little Barren River	0.0	Headwaters	35.8	Metcalfe	Metcalfe	35.8
Spring Creek	Tennessee State Line	14.4	Headwaters	22.7	Todd	Todd	8.3
Sugar Creek	Cumberland River	0.0	Headwaters	10.4	Livingston	Livingston	10.4
Tallow Creek	Robinson Creek	0.0	Headwaters	5.5	Taylor	Taylor	5.5
Whippoorwill Creek	Red River	0.0	Headwaters	44.7	Logan	Todd	44.7

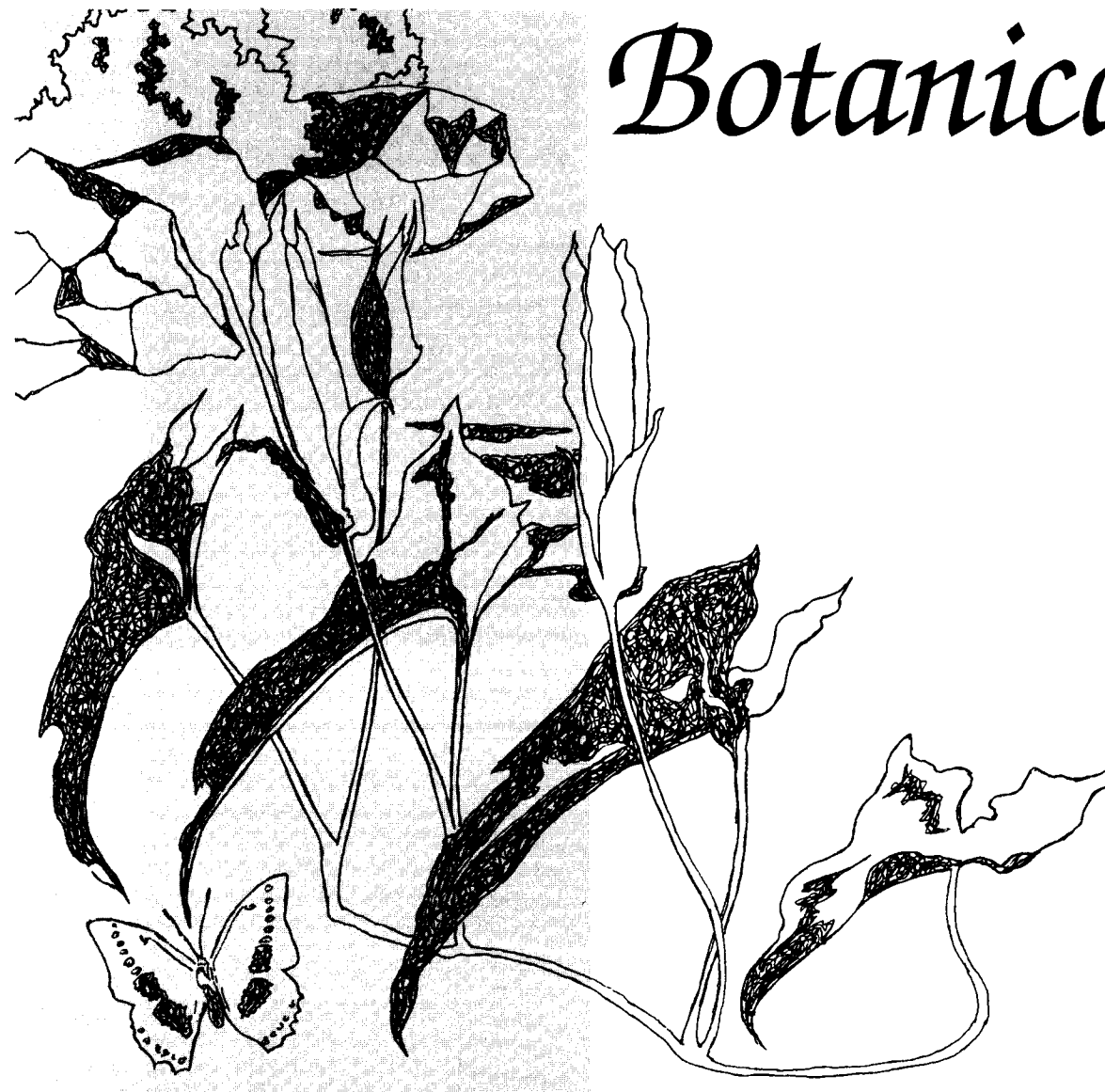
AGRICULTURAL LANDS --CLASS 3 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Adams Fork	Rough River	0.0	Headwaters	14.4	Ohio	Hancock	14.4
Bacon Creek	Nolin Lake	5.7	Headwaters	31.2	Hart	Hart	25.5
Barren River	Barren River Lake	118.5	Headwaters	158.7	Allen	Monroe	40.2
Bayou Creek	Ohio River	0.0	Headwaters	22.8	Livingston	Livingston	22.8
Beaver Creek	Barren River Lake	13.2	Headwaters	38.2	Barren	Metcalfe	25.0
Bull Run Creek	Dry Creek	0.0	Headwaters	4.0	Casey	Casey	4.0
Caney Creek	Rough River	0.0	North Fork	33.9	Ohio	Grayson	33.9
Caney Fork	Craborchard Creek	0.0	Headwaters	11.0	Webster	Union	11.0
Casey Creek	Green River Lake	8.8	Headwaters	22.9	Adair	Casey	14.1
Clanton Creek	Humphrey Creek	0.0	Headwaters	14.9	Ballard	Ballard	14.9
Coefield Creek	Deer Creek	0.0	Headwaters	11.5	Crittenden	Crittenden	11.5
Cypress Creek	Tradewater River	0.0	Headwaters	10.3	Union	Union	10.3
Deer Creek	Ohio River	0.0	Headwaters	18.8	Crittenden	Crittenden	18.8
Doe Run	Doe Run Lake	4.0	Headwaters	8.0	Meade	Meade	4.0
Dry Creek	Casey Creek	0.0	Headwaters	14.5	Adair	Casey	14.5
Dry Fork	Chaplin River	0.0	Headwaters	9.0	Mercer	Boyle	9.0
East Fork Little Sandy River	Little Sandy River	0.0	Headwaters	45.9	Greenup	Lawrence	45.9
Elkhorn Creek	Kentucky River	0.0	Forks of Elkhorn	17.8	Franklin	Franklin	17.8
Goose Creek	Wilson Creek	0.0	Headwaters	6.5	Graves	Graves	6.5
Green River	Rough River	71.3	Mud River	108.6	Ohio	Butler	37.3
Green River	Dry Run (10 miles below Brownsville, Ky)	208.1	I-65 (5 miles below Munfordville, Ky)	222.6	Edmonson	Hart	14.5
Humphreys Creek	Ohio River	0.0	Headwaters	20.5	Ballard	Ballard	20.5
Hurricane Creek	Ohio River	0.0	Headwaters	17.7	Crittenden	Crittenden	17.7
Johns Creek	Dewey Lake at Buffalo Creek	18.9	Headwaters	63.7	Floyd	Pike	44.8
Kentucky River	Elkhorn Creek	51.9	Clear Creek	95.4	Franklin	Woodford	43.5
Levisa Fork	Toms Creek	58.2	Fishtrap Lake Dam	126.1	Johnson	Pike	67.9
Licking River	South Fork Licking River	51.7	Cedar Creek	87.4	Pendleton	Harrison	35.7
Little Mud Creek	Mud Creek	0.0	Headwaters	8.3	Floyd	Floyd	8.3
Little River	Lake Barkley	16.3	North & South Forks	61.0	Trigg	Christian	44.7
Little Sandy River	Grayson Lake	70.6	Headwaters	83.5	Elliott	Elliott	12.9

AGRICULTURAL LANDS -- CLASS 3

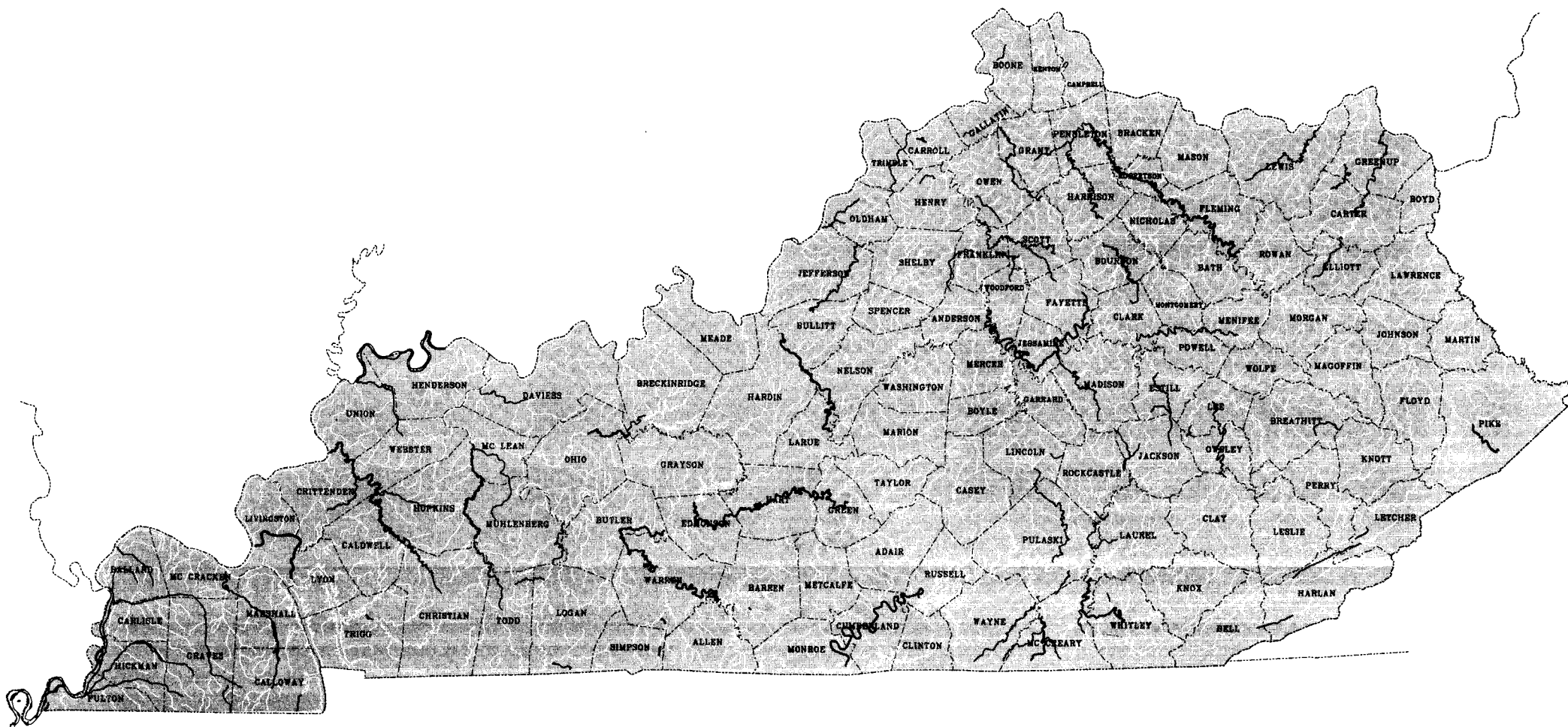
River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Long Branch	Ohio River	0.0	Headwaters	7.0	Livingston	Livingston	7.0
Lost Creek	Ohio River	0.0	Headwaters	10.0	Union	Union	10.0
Mill Creek	Salt River	0.0	Headwaters	23.6	Hardin	Hardin	23.6
Mud Creek	Levisa Fork	0.0	Headwaters	17.1	Floyd	Floyd	17.1
Muddy Creek	Rough River	0.0	Headwaters	15.0	Ohio	Ohio	15.0
Nolin River	Nolin Lake	64.3	North Fork	121.5	Grayson	Larue	57.2
Otter Creek	Ohio River	0.0	Headwaters	24.5	Meade	Hardin	24.5
Panther Creek	Green River	0.0	South Fork	22.6	Daviess	Daviess	22.6
Red Lick Creek	Station Camp Creek	0.0	Headwaters	18.1	Estill	Madison	18.1
Red River	Kentucky River	0.0	Headwaters	94.2	Clark	Wolfe	94.2
Red River	Tennessee State Line	50.2	Tennessee State Line	80.5	Simpson	Logan	30.3
Rocky Creek	Mud River	0.0	Lake Malone Dam	15.2	Muhlenberg	Muhlenberg	15.2
Rolling Fork	Salt River	0.0	Moore Creek	93.7	Bullitt	Marion	93.7
Rolling Fork	Moore Creek	93.7	Big South Fork	107.9	Marion	Marion	14.2
Rough River	Rough River Lake	133.8	Headwaters	153.9	Hardin	Hardin	20.1
Salt River	Rolling Fork River	11.0	Taylorsville Lake Dam	59.5	Bullitt	Spencer	48.5
Salt River	Hammonds Creek	88.5	Quirks Run	141.3	Anderson	Boyle	52.8
Sinking Fork Little River	Lake Barkley	3.0	Headwaters	35.5	Trigg	Christian	32.5
Six Mile Creek	Kentucky River	0.0	Headwaters	23.6	Shelby	Henry	23.6
South Fork Elkhorn Creek	Forks of Elkhorn	0.0	Headwaters	52.7	Franklin	Fayette	52.7
South Fork Kentucky River	Kentucky River	0.0	Red Bird River	45.1	Lee	Clay	45.1
South Fork Licking River	Licking River	0.0	Crooked Creek	16.6	Pendleton	Harrison	16.6
South Fork Licking River	Townsend Creek	59.8	Stoner Creek	65.1	Bourbon	Bourbon	5.3
South Fork Panther Creek	Panther Creek	0.0	Headwaters	25.3	Daviess	Ohio	25.3
Stoner Creek	Green River Lake	0.0	Headwaters	5.9	Taylor	Taylor	5.9
Trace Fork	South Fork Green River	0.0	Headwaters	9.8	Casey	Casey	9.8
Tradewater River	Ohio River	0.0	Headwaters	131.2	Crittenden	Christian	131.2
Trumans Creek	Mayfield Creek	0.0	Headwaters	7.9	Carlisle	Carlisle	7.9
Woods Creek	Casey Creek	0.0	Headwaters	5.1	Casey	Casey	5.1
Spring Creek	Caney Creek	0.0	Headwaters	2.0	Grayson	Grayson	2.0

Botanical Resources



A number of significant terrestrial and aquatic plant species contribute substantially to the natural diversity of Kentucky. River-related ecosystems contain significant populations of rare plants as well as unique plant communities. Further, such plant communities frequently serve as corridors that link dispersed ecological features into more functional and valuable natural systems. Critical plant communities associated with river systems provide natural, educational, and scientific values, and their protection is vital to conserving the natural diversity of Kentucky.

Botanical Resource Study Rivers



EVALUATION METHODOLOGY

Rivers and river segments that met specific minimum standards were evaluated in terms of their significant botanical values. Each study river included within the botanical resource category met one of the following **minimum standards**:

- presence of federal or state-listed rare plant species or presence of unusual plant communities
- presence of known, extensive forested habitats

The botanical significance of each study river was determined by the presence of rare or unique plant species, undisturbed plant communities, or formally designated natural areas. Those study rivers with rare plants or rivers adjacent to areas recognized by federal or state designation were ranked highest. The area evaluated included the river and the adjacent corridor extending 500 feet outward from each river bank.

The evaluation process consisted of establishing specific characteristics or attributes required to meet one of three value class rankings. Resource experts then determined the value class most appropriate for each study river. Further, river segments having extensive forested habitats (areas extending at least 500 feet from each bank for a distance of one or more miles) were con-

sidered significant, and future research is anticipated to result in the identification of additional rivers of botanical significance.

Class 1 - study rivers known to support at least one federal or state endangered plant species, or areas registered or eligible for national natural landmark, national park or other federal or state conservation area designation, or designated Kentucky Wild Rivers.

Class 2 - study rivers that include notable, relatively undisturbed plant communities (old growth woods, extensive wetlands or other similar areas) or study rivers adjacent to national forest, state forest, or wildlife management lands.

Class 3 - all other study rivers considered to have botanical significance.

FINDINGS

A total of 140 segments (10.3% of the rivers studied in the assessment) covering 2,808.6 miles (7.3% of the total miles studied in the assessment) were evaluated in the Botanical Resource category. Segments ranged in length

from one mile (Addison Branch and Kennedy Creek) to 131.2 miles (Tradewater River).

One-half of the total botanical rivers and streams are within the boundaries of federal and state managed areas that afford varying degrees of protection to rare plant species and communities. These areas include Kentucky Wild Rivers, Kentucky State Nature Preserves, University Natural Areas, formally designated conservation areas, national parks, and designated or potential national natural landmarks. Rock Creek in Laurel County has been designated as a USDA-Forest Service Research Natural Area, the only such area in Kentucky, and the headwaters of Elisha Creek have been identified as a potential Research Natural Area.

Painted Trillium



Fred Kirchoff

Eleven of the river corridors studied by the botanical team are imminently threatened by destruction or alteration from logging, mining, channelization, and/or agricultural runoff (Table 5).

Table 5. Botanical Resource Rivers at Risk

River	Type of Threat
Bayou de Chien	Moderate to high danger of alteration or destruction
Beaver Creek	Moderate danger
Blood River	Low to moderate danger
Clarks River	Moderate to high danger of alteration or destruction
Cypress Creek	High danger of alteration or destruction
Mayfield Creek	Moderate to high danger
Muddy Creek	Moderate to high danger
Panther Creek	Moderate to high danger
Pond River	High danger of alteration or destruction
Shawnee Creek	Moderate danger
Tradewater River	Moderate to high danger

Ninety-seven rivers covering 1,654.1 miles were identified as Class I botanical rivers. They ranged in length from 1.0 to 131.2 miles, averaging 17.1 miles. Class 1 rivers were distributed throughout the state and include most major

rivers--Ohio, Mississippi, Kentucky, Licking and Cumberland.

Thirteen rivers covering 268.2 miles were identified as Class 2 botanical rivers. Class 2 rivers ranged in length from 3.7 to 69.7 miles, averaging 20.6 miles. These rivers are distributed throughout the state.

Thirty rivers covering 886.3 miles were identified as Class 3 rivers. Class 3 rivers ranged in length from 1.0 to 101.1 miles, averaging 29.5 miles. The majority of these rivers are located in central and eastern Kentucky.

Table 6. Summary of Botanical Resource Evaluations

	Class 1	Class 2	Class 3	Total
Number of Segments	97	13	30	140
Miles	1654.1	268.2	886.3	2808.6

SOURCES OF INFORMATION

Echeverria, J. and J. Fosburgh, *The American Rivers Outstanding Rivers List*, Washington, D.C., 1988.

Kentucky Nature Preserves Commission, *Aquatic Biota and Water Quality Survey of the Upper Cumberland River Basin*, Frankfort, Kentucky, 1980.

Kentucky Nature Preserves Commission, *Aquatic Biota and Water Quality Survey of the Appalachian Province, Eastern Kentucky*, Frankfort, Kentucky, 1979.

Kentucky Nature Preserves Commission, *Preliminary Assessment of the Ecology and Ecological Features of the Kentucky "Knobs" Oil Shale Region*, Frankfort, Kentucky, 1981.

Kentucky Nature Preserves Commission, *Western Kentucky Coal Field: Preliminary Investigations of Natural Features and Cultural Resources*, Frankfort, Kentucky, 1980.

Kentucky Nature Preserves Commission, *Eastern Kentucky Coal Field: Preliminary Investigations of Natural Features and Cultural Resources*, Frankfort, Kentucky, 1979.

Kentucky Nature Preserves Commission, *Wetland Protection Strategies for Kentucky*, Frankfort, Kentucky, 1986.

U.S. Department of the Interior, *Nationwide Rivers Inventory*, National Park Service, Washington, D.C., 1982.

Squirrel Corn



Fred Kirchoff

BOTANICAL RESOURCES -- CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Addison Branch	Cumberland River	0.0	Headwaters	1.0	Pulaski	Pulaski	1.0
Archers Creek	Cumberland River	0.0	Headwaters	3.2	Whitley	Whitley	3.2
Bad Branch	Poor Fork Cumberland River	0.0	Headwaters	4.1	Letcher	Letcher	4.1
Bayou de Chien	Mississippi River	0.0	Headwaters	30.6	Fulton	Graves	30.6
Beals Run	Elkhorn Creek, South Fork	0.0	Headwaters	30.6	Woodford	Woodford	30.6
Beaver Creek	Lake Cumberland	2.2	Headwaters	9.2	McCreary	McCreary	7.0
Big Bone Creek	Ohio River	0.0	Beaver Branch	7.4	Boone	Boone	7.4
Big Sinking Creek	Millers Creek	0.0	Headwaters	14.0	Lee	Lee	14.0
Big South Fork Cumberland R.	Ky 92	40.3	Tennessee State Line	55.2	McCreary	McCreary	14.9
Blood River	Kentucky Lake	8.3	Tennessee State Line	15.7	Calloway	Calloway	7.4
Boone Creek	Kentucky River	0.0	Headwaters	17.1	Clark	Fayette	17.1
Buck Creek	Lake Cumberland	10.5	Lincoln County Line	52.4	Pulaski	Pulaski	41.9
Buckhorn Creek	Troublesome Creek	0.0	Jakes Branch	8.9	Breathitt	Knott	8.9
Butler Branch	Ky 55	0.3	Mt. Pleasant Church	2.6	Adair	Adair	2.3
Cane Creek	Rockcastle River	0.0	Headwaters	12.0	Laurel	Laurel	12.0
Clarks River	Tennessee River	0.0	East Fork Clarks River	59.9	McCracken	Calloway	59.9
Clemons Fork	Buckhorn Creek	0.0	Headwaters	4.7	Breathitt	Breathitt	4.7
Clifty Creek	Wolf Lick Creek	0.0	Sulphur Lick	13.2	Todd	Logan	13.2
Coles Fork	Buckhorn Creek	0.0	Headwaters	6.4	Breathitt	Knott	6.4
Cumberland River	River Mile 449	449.0	Snow Island near Sycamore Creek	451.1	Clinton	Russell	2.1
Cumberland River	Rock Branch	557.3	Jellico Creek	574.8	McCreary	Whitley	17.5
Cumberland River	Lake Cumberland	558.5	US 25W near Williamsburg	591.7	McCreary	Whitley	33.2
Cypress Creek	Pond River	0.0	Headwaters	33.3	McLean	Muhlenberg	33.3
Cypress Creek	Muhlenberg/McLean County Line	18.0	US 70	26.3	Muhlenberg	Muhlenberg	8.3
Davis Branch	Yellow Creek	0.0	Headwaters	4.3	Bell	Bell	4.3
Dix River	Conway Creek Road	74.4	Headwaters	80.0	Rockcastle	Rockcastle	5.6
Eagle Creek	Gallatin/Carroll County Line	10.2	Ky 35	14.7	Gallatin	Gallatin	4.5
Elisha Creek	Red Bird River	0.0	Big Middle Fork Elisha Creek	5.1	Leslie	Leslie	5.1

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Elk Lick Creek	Kentucky River	0.0	Headwaters	3.5	Fayette	Fayette	3.5
Elkhorn Creek	Kentucky River	0.0	Fish Hatchery, Indian Gap Road	3.5	Franklin	Franklin	3.5
Fall Lick	1/2 mile above Indian Branch	2.5	Bethel Church	6.6	Garrard	Garrard	4.1
Fork Lick	Licking River, South Fork	0.0	Headwaters	17.3	Grant	Grant	17.3
Green River	Lock & Dam No. 6	181.7	Greensburg, Ky.	279.3	Edmonson	Green	97.6
Gulf Fork	Cooper Creek	0.0	Headwaters	1.5	McCreary	McCreary	1.5
Gunpowder Creek	Camp Michael	7.5	Camp Ernst	13.7	Boone	Boone	6.2
Hazel Creek	Axe Lake Swamp	0.0	Ky 1105	2.8	Ballard	Ballard	2.8
Highland Creek	Ohio River	0.0	Headwaters	31.7	Union	Webster	31.7
Horse Lick Creek	Rockcastle River	0.0	Headwaters	21.2	Jackson	Jackson	21.2
Howards Creek	Dale Hollow Lake	0.8	Caney Branch Church	2.3	Clinton	Clinton	1.5
Humphreys Creek	Ohio River	0.0	Headwaters	20.5	Ballard	Ballard	20.5
Indian Creek	Lake Cumberland	7.3	Headwaters	8.4	Clinton	Clinton	1.1
Jessamine Creek	Kentucky River	0.0	Ky 29	13.3	Jessamine	Jessamine	13.3
Kentucky River	RM 5.5	5.5	RM 8.5 (Goose Creek)	8.5	Carroll	Carroll	3.0
Kentucky River	RM 89 (near BG Pkwy)	89.0	RM 176.5 (Ft Boonesborough SP)	176.5	Anderson	Clark	87.5
Kentucky River	RM 165.5 (near Hines Creek)	165.5	RM 169.0 (near I75)	169.0	Fayette	Fayette	3.5
Kinniconick Creek	Ohio River	0.0	Headwaters	50.4	Lewis	Lewis	50.4
Laurel River	Lick Fork	41.2	Ky 1803	46.6	Laurel	Laurel	5.4
Lee Branch	Elkhorn Creek, South Fork	0.0	Headwaters	10.0	Woodford	Woodford	10.0
Licking River	South Fork Licking River	51.7	3 miles below I-64 bridge	159.0	Pendleton	Bath	107.3
Line Fork	Line Fork, Ky.	14.9	Gordon, Ky.	19.3	Letcher	Letcher	4.4
Little South Fork Cumberland R	Lake Cumberland	4.1	Tennessee State Line	43.7	McCreary	Wayne	39.6
Little Yellow Creek	US 25	1.6	Fern Lake Dam	3.2	Bell	Bell	1.6
Lower Hood Branch	Red River, Middle Fork	0.0	Headwaters	1.8	Powell	Powell	1.8
Martins Fork	Rough Branch	27.4	Headwaters (Cumberland Gap Park)	37.2	Harlan	Bell	9.8
Mayfield Creek	Mississippi River	0.0	Headwaters	61.3	Carlisle	Graves	61.3
Meadow Creek	Ky 90	1.3	KY 1619	4.9	Wayne	Wayne	3.6
Middle Creek	Belleview	2.7	1 mile upstream of Boone Cliffs Preserve	5.4	Boone	Boone	2.7
Middle Fork Drakes Creek	Drakes Creek	0.0	Goodrun Road	2.8	Warren	Warren	2.8

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Middle Fork Red River	Sinking Fork	11.3	Ky 11 (near Torrent, KY)	13.7	Wolfe	Wolfe	2.4
Mississippi River	Tennessee State Line	882.6	Ohio River	953.8	Fulton	Ballard	71.2
Montgomery Creek	Tradewater River	0.0	1 mi. s. of northern Illinois Central RR	2.2	Caldwell	Caldwell	2.2
Muddy Creek	Rough River	0.0	Headwaters	15.0	Ohio	Ohio	15.0
Nolin River	Green River	0.0	Nolin Lake Dam	8.1	Edmonson	Edmonson	8.1
Obion Creek	Mississippi River	0.0	Ky 339	44.4	Fulton	Graves	44.4
Ohio River	Highland Creek (Henderson Slough)	139.5	Deadman's Island	172.7	Union	Henderson	33.2
Ohio River	Diamond Island	163.5	Green River	197.4	Henderson	Henderson	33.9
Ohio River	River Mile 371.9	371.9	River Mile 377.9 (below Falls of Ohio)	377.9	Jefferson	Jefferson	6.0
Ohio River	River Mile 382.3 (near Cox Park)	382.3	Harrods Creek	385.5	Jefferson	Jefferson	3.2
Ohio River	River Mile 498.5 (near Taylorsport, KY)	498.5	River Mile 501.5	501.5	Boone	Boone	3.0
Panther Creek	Kentucky Lake	0.0	1 mile above TVA boundry	1.5	Calloway	Calloway	1.5
Pine Creek	Rockcastle River	0.0	Headwaters	7.0	Laurel	Laurel	7.0
Piney Creek	Tradewater River	0.0	Headwaters	25.5	Crittenden	Crittenden	25.5
Pond Creek	Mayo Lane	1.7	Ky 42	3.3	Oldham	Oldham	1.6
Raven Run	Kentucky River	0.0	Headwaters	2.8	Fayette	Fayette	2.8
Red River	Kentucky River	0.0	Clark Branch	59.0	Clark	Wolfe	59.0
Roaring Paunch Creek	Big South Fork	0.0	Tennessee State Line	15.7	McCreary	McCreary	15.7
Rock Creek	Rockcastle River	0.0	Headwaters	2.0	Laurel	Laurel	2.0
Rock Creek	Big South Fork Cumberland River	0.0	Tennessee State Line	21.9	McCreary	McCreary	21.9
Rockcastle River	Lake Cumberland	8.5	Ky 80	22.1	Laurel	Laurel	13.6
Rough River	Ky 69 at Dundee, Ky	56.5	Rough River Lake Dam	89.4	Ohio	Breckinridge	32.9
Russell Fork	Levisa Fork	0.0	Virginia State Line	16.0	Pike	Pike	16.0
Shillalah Creek	Clear Fork	0.0	Headwaters	5.4	Bell	Bell	5.4
South Fork Elkhorn Creek	Buck Run	4.9	1 mile above Lee's Branch	17.4	Franklin	Woodford	12.5
South Fork Harrods Creek	Harrods Creek	0.0	Interstate 71	4.5	Oldham	Oldham	4.5
Spruce Creek	Cooper Creek	0.0	Spruce Hollow	2.6	McCreary	McCreary	2.6
Station Camp Creek	Alumbaugh, Ky.	15.1	War Fork	22.3	Estill	Jackson	7.2

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Sturgeon Creek	Little Sturgeon Creek	13.7	Brushy Creek	15.6	Owsley	Owsley	1.9
Sugar Run	Clear Fork	0.0	Headwaters	3.2	Bell	Bell	3.2
Sulphur Creek	Halifax-Settle Road Bridge	2.4	Carl Hurt Road Bridge	4.4	Allen	Allen	2.0
Terrapin Creek	Tennessee State Line	2.8	Ky 1485	5.3	Graves	Graves	2.5
Tight Hollow Creek	Mill Creek	0.0	Headwaters	1.7	Wolfe	Wolfe	1.7
Tradewater River	Ohio River	0.0	Headwaters	131.2	Crittenden	Christian	131.2
Troublesome Creek	Buckhorn Creek	14.2	Cat Hollow	16.2	Perry	Perry	2.0
Tygarts Creek	Greenup County Line	49.0	Ky 182	65.3	Carter	Carter	16.3
Upper Hood Branch	Lower Hood Branch	0.0	Headwaters	1.6	Powell	Powell	1.6
War Fork Station Camp Creek	Station Camp Creek	0.0	Headwaters	13.7	Jackson	Jackson	13.7
Youngs Creek	Ky 204	3.4	Headwaters	6.1	Whitley	Whitley	2.7

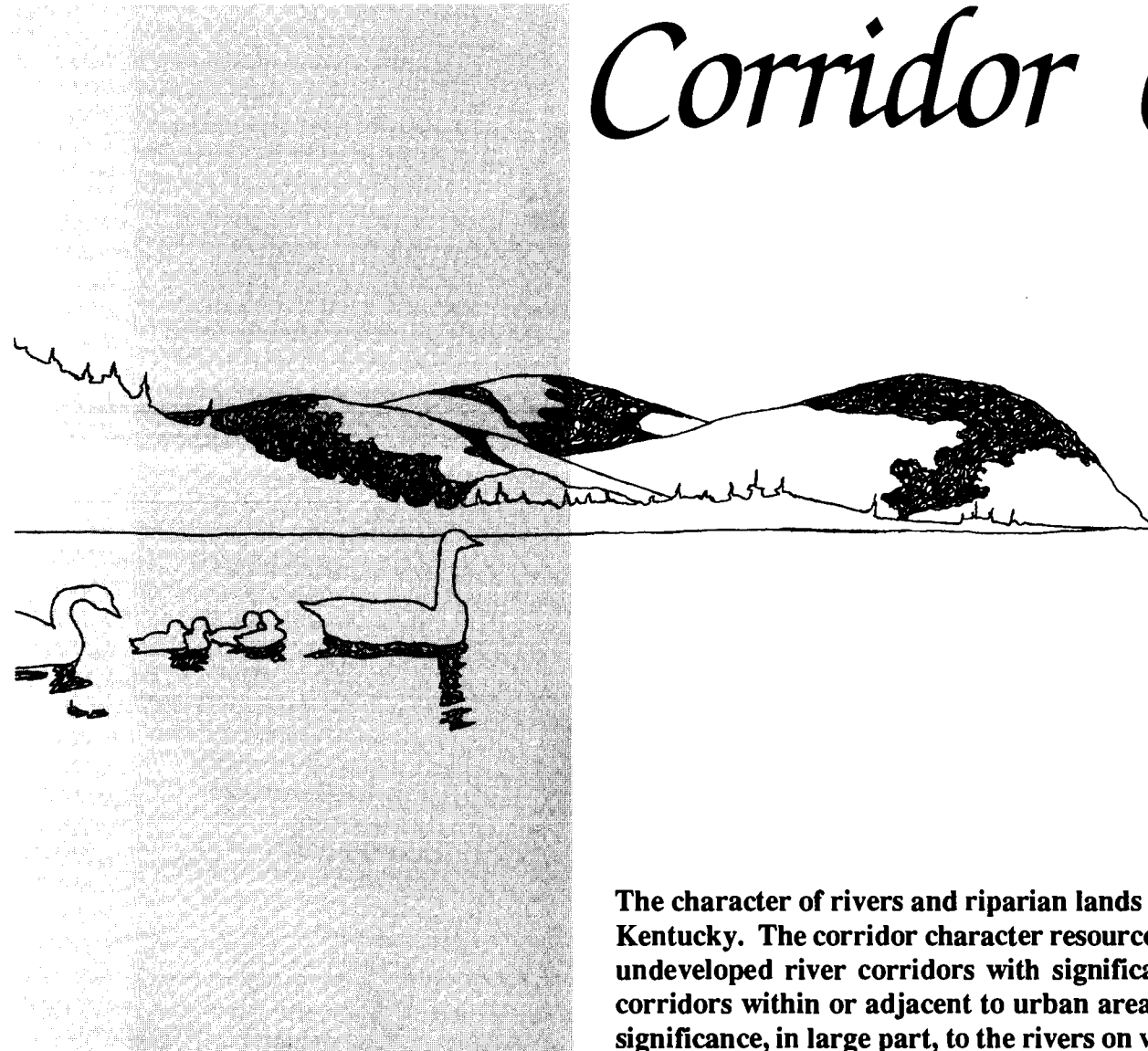
BOTANICAL RESOURCES--CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Bunches Creek	Cumberland River	0.0	Headwaters	4.9	Whitley	Whitley	4.9
Clear Creek	Tradewater River	0.0	Airport Road	24.2	Hopkins	Hopkins	24.2
Little River	Lake Barkley	16.3	Ky 272	24.4	Trigg	Trigg	8.1
Marsh Creek	Cumberland River	0.0	Ky 92	18.7	McCreary	McCreary	18.7
Middle Fork Rockcastle River	Rockcastle River	0.0	Indian Creek	7.8	Jackson	Jackson	7.8
Mud River	Green River	0.0	Wolf Lick Creek	30.5	Butler	Logan	30.5
Raccoon Creek	Horse Lick Creek	0.0	Headwaters	5.0	Jackson	Jackson	5.0
Right Fork Buffalo Creek	Buffalo Creek	0.0	Headwaters	11.1	Owsley	Owsley	11.1
Rolling Fork	Salt River	0.0	Marion County Line	69.7	Bullitt	Bullitt	69.7
Shawnee Creek	Mississippi River	0.0	Headwaters	17.4	Ballard	Ballard	17.4
South Fork Kentucky River	Kentucky River	0.0	Red Bird River	45.1	Lee	Clay	45.1
South Fork Station Camp Creek	Station Camp Creek	0.0	RM 22 near Long Branch	22.0	Jackson	Jackson	22.0
Troublesome Creek	Big South Fork Cumberland River	0.0	Headwaters	3.7	McCreary	McCreary	3.7

BOTANICAL RESOURCES -- CLASS 3 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Barren River	Green River	0.0	Ky 67	31.0	Butler	Warren	31.0
Barren River	Drakes Creek	43.6	Barren River Lake Dam	79.2	Warren	Allen	35.6
Benson Creek	Kentucky River	0.0	Headwaters	28.4	Franklin	Anderson	28.4
Cedar Creek	Kentucky River	0.0	Elmville, Ky	12.5	Owen	Franklin	12.5
Colliers Creek	Poor Fork Cumberland River	0.0	Headwaters	2.0	Letcher	Letcher	2.0
Cumberland River	Ohio River	0.0	Lake Barkley Dam	30.6	Livingston	Livingston	30.6
Cumberland River	Tennessee State Line	385.5	Wolf Creek Dam	460.9	Monroe	Russell	75.4
Eagle Creek	Petitt Road Bridge	29.0	Pokeberry Road	79.0	Grant	Scott	50.0
Elkhorn Creek	Kentucky River	0.0	Forks of Elkhorn	17.8	Franklin	Franklin	17.8
Emily Run	Drennon Creek	0.0	Headwaters	9.0	Henry	Henry	9.0
Floyds Fork	Salt River	0.0	Oldham County Line	50.0	Bullitt	Oldham	50.0
Green River	Lock & Dam No. 4	148.0	Bear Creek	168.4	Butler	Butler	20.4
Harrods Creek	Ohio River	0.0	Ky 53	22.3	Jefferson	Oldham	22.3
Kennedy Creek	Little South Fork Cumberland River	0.0	RM 1.0	1.0	Wayne	Wayne	1.0
Laurel River	Lake Cumberland	0.8	Laurel Lake Dam	2.1	Laurel	Laurel	1.3
Little Kentucky River	Ohio River	0.0	Lake Jerrico Dam	27.2	Carroll	Henry	27.2
Little Sandy River	Ohio River	0.0	Grayson Lake Dam	51.0	Greenup	Carter	51.0
Little Sandy River	Grayson Lake	70.6	Headwaters	83.5	Elliott	Elliott	12.9
Lower Troublesome Creek	Rockcastle River	0.0	Headwaters	3.9	Pulaski	Pulaski	3.9
Muddy Fork Little River	Lake Barkley at Ky 778	3.0	Adams Mill Road	9.0	Trigg	Trigg	6.0
Ned Branch	Rockcastle River	0.0	Headwaters	1.9	Laurel	Laurel	1.9
North Fork Elkhorn Creek	Forks of Elkhorn	0.0	Fayette County Line	68.8	Franklin	Scott	68.8
Panther Creek	Green River	0.0	South Fork	22.6	Daviess	Daviess	22.6
Pigeon Creek	Nolin River	0.0	Headwaters	2.6	Edmonson	Edmonson	2.6
Pond River	Green River	0.0	Headwaters	101.1	Hopkins	Todd	101.1
Poor Fork Cumberland River	Cumberland River	694.2	Cumberland, Ky.	719.0	Harlan	Harlan	24.8
Silver Creek	Kentucky River	0.0	Headwaters	36.2	Madison	Madison	36.2
South Fork Licking River	Licking River	0.0	Bourbon County Line	59.8	Pendleton	Harrison	59.8
South Fork Red River	Red River	0.0	Tennessee State Line	8.0	Logan	Logan	8.0
Stoner Creek	South Fork Licking River	0.0	Headwaters	72.2	Bourbon	Clark	72.2

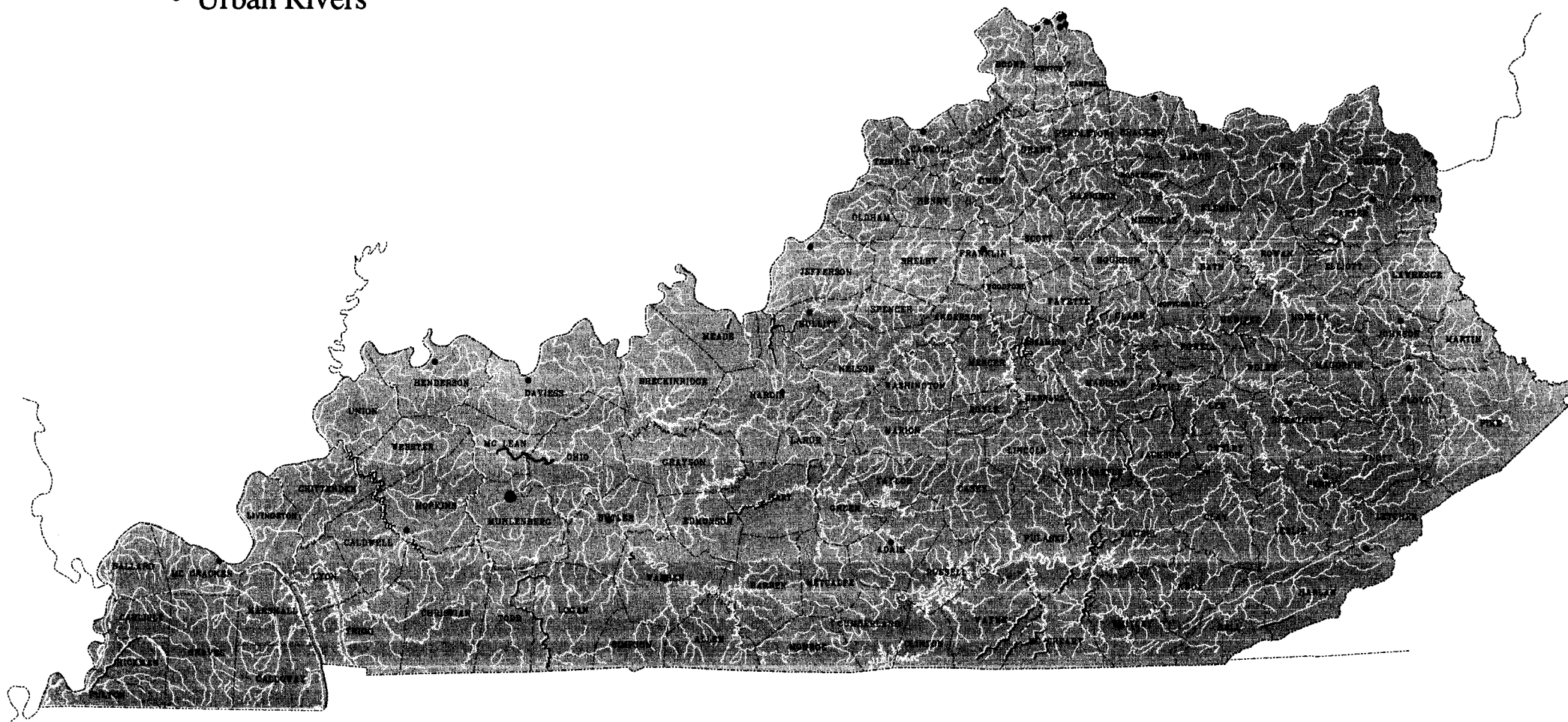
Corridor Character



The character of rivers and riparian lands provide important resource values to the people of Kentucky. The corridor character resource category represents two extremes of a continuum: undeveloped river corridors with significant natural resource quality and those developed corridors within or adjacent to urban areas that owe their historical, cultural, and economic significance, in large part, to the rivers on which they were founded.

Corridor Character Study Rivers

- ~ Undeveloped Rivers
- Urban Rivers



UNDEVELOPED RIVERS

Kentucky rivers and streams that exhibit a high degree of natural character, scenic beauty, and resource integrity have little or no development along their banks. Free-flowing rivers or streams and their adjacent undeveloped lands represent some of the most significant natural areas in the state, providing quality habitat for fish, wildlife, and plants; high water quality; and a variety of outstanding primitive recreational opportunities.

EVALUATION METHODOLOGY

The identification and evaluation of undeveloped rivers were based on the relative degree of development within a defined corridor that included a viewed area extending 2,000 feet from each river bank. River corridors with little or no development were determined to be of highest significance, while those corridors that contained developed areas were determined to be of lower significance. Each study river included within the undeveloped rivers subcategory of corridor character met one or more of the following minimum standards:

- minimum length of five miles or a headwater stream of any length

- free of significant impoundments, hydrologic modifications, or diversions
- river corridors essentially undeveloped with an overall natural character

A rating system was devised that assigned point values to various kinds of development typically encountered along rivers in Kentucky. Point values were assigned as follows:

Primitive features with minimal visual intrusion into the landscape (eg. hiking trail, footbridge, unmaintained road)	1 - 5 points
Limited extent, short-term features (eg. picnic area, small boat dock, discharge pipe)	6 - 10 points
Moderate extent, long-term features with partial modification to the landscape (eg. residence, state road bridge, cropland)	11 - 15 points
Moderate extent, long-term features with extensive modification of the landscape (eg. marina, small industry, interstate highway bridge)	16 - 20 points

Within each mile of river, development was identified along with the appropriate numeric

score. This permitted the identification of segments having the least or most development for delineation of those segments with relatively consistent levels of development. The river mile scores were then summed and divided by the total number of river miles for an overall score reflecting an average score per mile. Rivers with scores greater than 50 did not meet the minimum standards for undeveloped rivers and were disqualified. Based on completed scores, study rivers were divided into three value classes with Class 1 containing the most significant undeveloped rivers.

- Class 1** 1 - 7 points
- Class 2** 8 - 25 points
- Class 3** 26 - 50 points

It should be noted that in many cases topographic maps were out-dated and their accuracy questionable. Aerial photos would have been helpful, but there was insufficient time for their use in the evaluation.

FINDINGS

A total of 52 segments (3.8% of the rivers studied) covering 667.0 miles (1.7% of the total

miles studied) were evaluated in the Undeveloped Rivers subcategory. Undeveloped Rivers ranged in length from 2.8 miles (Raven Run) to 65.4 miles (Tradewater River). Shorter segments tended to have higher class rankings than longer segments. In some cases, it was possible to raise the ranking one or two classes by deleting portions with more intensive development, resulting in shorter segments with higher rankings.

A significant portion of all undeveloped rivers presently receive some degree of special resource management or protection, emphasizing the role played by state and federal agencies. Those located within a national forest are managed primarily for timber production and recreation and tend to have less developed corridors than rivers in private ownership. The highest form of protection is inclusion within a state or federal wild and scenic river system. Designation as a Kentucky Wild River controls the level and extent of new development commensurate with the protection of outstanding natural, cultural and recreational resources. (Appendix A contains a listing of designated Kentucky Wild Rivers.) Federal designation controls development on federally owned lands and may authorize federal land acquisition to improve the effectiveness of resource manage-

ment efforts. In Kentucky, wild and scenic rivers are automatically classified as Outstanding Resource Waters, providing an additional level of protection.

Class 1 streams are located primarily on public lands, and the protection they receive is the main reason for such classification. The least-developed rivers include Difficulty Creek, Marsh Creek, Troublesome Creek, and Beaver Creek (McCreary County).

Eight rivers covering 49.1 miles were identified as Class 1 undeveloped rivers. Class 1 rivers ranged in length from 3.5 to 11.9 miles, averaging 6.1 miles. All are located in the eastern half of the state, in the Cumberland Plateau and Cumberland Mountain physiographic regions. Portions or entire segments of seven (88%) of the rivers occur within a national park or forest, and five (62%) segments presently are protected by some type of formal state or federal designation restricting development within their corridors (Table 7).

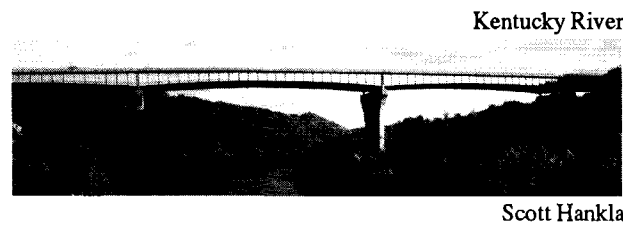


Table 7. Status of Protected Class 1 Undeveloped Rivers

River Segment	Protection Status
Bad Branch	Kentucky Wild River
Beaver Creek	Federal Wilderness Area
Cane Creek	Kentucky Wildlife Area
Chimney Top Creek	Red River National Natural Landmark
Difficulty Creek	National River and Recreation Area
Dog Slaughter Creek	Lower portion is a Kentucky Wild River
Marsh Creek	Authorized study river under the Federal Wild and Scenic Rivers Act, temporary protection
Troublesome Creek	National River and Recreation Area

Twenty-six rivers covering 300 miles were identified as Class 2 undeveloped rivers. Class 2 rivers ranged in length from 2.9 to 36.5 miles, averaging 11.5 miles. Class 2 rivers are located throughout the state.

A total of 13 (50%) Class 2 rivers are located within a national park or forest, and 8 (31%) are presently protected through corridor designation at the state or federal level or occur within specially designated areas. Jessamine Creek is partially protected by The Nature Conservancy as a private nature preserve. Table 8 lists those Class 2 rivers protected by formal federal or state designation.

Table 8. Status of Protected Class 2 Undeveloped Rivers

River Segment:	Protection Status
Big South Fork	National Recreation Area; Kentucky Wild River
Clifty and Osborne Creeks	Federal Wilderness Area
Cooperas Creek	National Natural Landmark
Cumberland River	Kentucky Wild River; authorized study river under the Federal Wild and Scenic River Act, temporary protection
Green River	National Park; Kentucky Wild River

Martins Fork	Kentucky Wild River; National Historic Park
Red River	Federal Wilderness Area; Kentucky Wild River; National Natural Landmark; Geologic Area
Rockcastle River	Kentucky Wild River; authorized study river under the National Wild and Scenic Rivers Act, temporary protection
Station Camp Creek and War Fork	Authorized study river under the Federal Wild and Scenic Rivers Act, temporary protection
Swift Camp Creek	National Natural Landmark

Eighteen rivers covering 317.9 miles were identified as Class 3 undeveloped rivers. These rivers ranged in length from 2.8 to 65.4 miles, averaging 17.7 miles. Six of these rivers (33%) are located within a national park or forest, and 3 (8.6%) have some form of protective corridor designation at the state or federal level. Raven Run is within a private nature preserve. Table 9 lists those Class 3 rivers protected by federal or state designation.

Table 9. Status of Protected Class 3 Undeveloped Rivers

River Segment	Protection Status
Little South Fork	Kentucky Wild River; authorized study river under the Federal Wild and Scenic Rivers Act, temporary protection
South Fork Station Camp Creek	National Wild and Scenic study river
Rock Creek	Kentucky Wild River; authorized study river under the Federal Wild and Scenic Rivers Act, temporary protection

Table 10. Summary of Undeveloped River Evaluations

	Class 1	Class 2	Class 3	Total
Number of Segments	8	26	18	52
Miles	49.1	300	317.9	667.0

URBAN RIVERS

While the majority of rivers in Kentucky flow through rural landscapes composed of agricultural lands and forested mountains, there also exist a number of river corridors that lie within or adjacent to urban areas. These urban river corridors serve a broad spectrum of uses, ranging from heavy industry to sensitive wildlife habitat areas. Their proximity to population centers and diverse character present special opportunities for community revitalization and the enhancement of recreational use, natural and cultural resources, and overall public use and enjoyment.

EVALUATION METHODOLOGY

The evaluation of urban rivers was based on the physical characteristics of the river, existing and potential access, and existing and potential shoreline character. Those river segments with the greatest variety and number of such characteristics were determined to be of greatest value to the adjacent community. To be included in the evaluation process, each river selected was required to meet the following **minimum standards**:

- minimum length of one mile

- river flows through or within 1/4 mile of communities with a population of 2,500 or more
- cultural or historical significance
- orientation of community toward the river as a focal point

The evaluation of urban rivers was based on the completion of survey forms using the following criteria by Kentucky Division of Water and Area Development District staffs:

Use opportunities and suitabilities with respect to pool or flow consistency, river width, and water quality (high, 30 points; medium, 20 points; low, 10 points).

Existing river access for boating, fishing, and viewing (high, 30 points; medium, 20 points; low, 10 points).

Potential river access for boating, fishing, and viewing (high, 15 points; medium, 10 points; low, 5 points).

Existing natural, cultural, or historical character and amenities; open space; community orientation to river (high, 30 points; medium, 20 points; low, 5 points).

Potential for improvement or restoration of shoreline quality (high, 15 points; medium, 10 points; low, 5 points).

Where a ranking fell between high and medium or medium and low for a criterion, the points were adjusted accordingly (e.g., medium-high = 25 points). The points were then added to establish a total score for each river, the highest possible score being 120. Rivers with scores of less than 50 were disqualified. The study rivers were then ranked into three value classes.

Class 1100 - 120 points

Class 270 - 99 points

Class 350 - 69 points

FINDINGS

A total of 36 segments (2.6% of the rivers studied in the assessment) covering 154.4 miles (0.4% of the total miles studied in the assessment) of urban rivers were assessed. The length of urban river segments ranged from 1.0 to 13.2 miles in length, with an average of 4.3 miles. It is significant to note that many of the largest urban areas in the state are highly river-oriented, underscoring the value of rivers as community assets.

A total of seven river segments (19% of those studied in this subcategory) covering 34 miles

(22%) were ranked as Class 1. The average length of Class 1 rivers was 4.9 miles. These segments were generally located in the central and western parts of the state. They included the largest rivers in the state, a notable exception being the Mississippi River. Ohio River segments accounted for 78 percent of Class 1 rivers. Class 1 rivers were given high scores for all criteria reflecting potential quality and for physical character of the water. Water quality was the main factor preventing any river from attaining a perfect score of 120.

A total of 17 river segments covering 56.4 miles were ranked as Class 2, averaging 3.3 miles in length. The majority (eight segments or 47%) were Ohio River segments. Only two segments, both on the Cumberland River, occur in southeastern Kentucky. The majority of Class 2 rivers evaluated had medium scores for existing physical character, access, and shoreline quality, but were believed to have good potential for improvement.

A total of 12 river segments covering 64 miles were ranked as Class 3, averaging 5.3 miles in length. Class 3 rivers were generally smaller order streams and did not score as high for physical water character. In addition, most had low

scores for river access and limited potential for improvement of shoreline quality.

Table 11. Summary of Urban River Evaluation

	Class 1	Class 2	Class 3	Total
Number of Segments	7	17	12	36
Miles	34	56.4	64	154.4

SOURCES OF INFORMATION

Undeveloped Rivers

Kentucky Transportation Cabinet, County Maps

U.S. Department of the Interior, *Nationwide Rivers Inventory*, National Park Service, Washington, D.C. 1982.

U.S. Department of the Interior, 7.5 Minute Series Maps (Topographic), various quadrangles, U.S. Geological Survey.

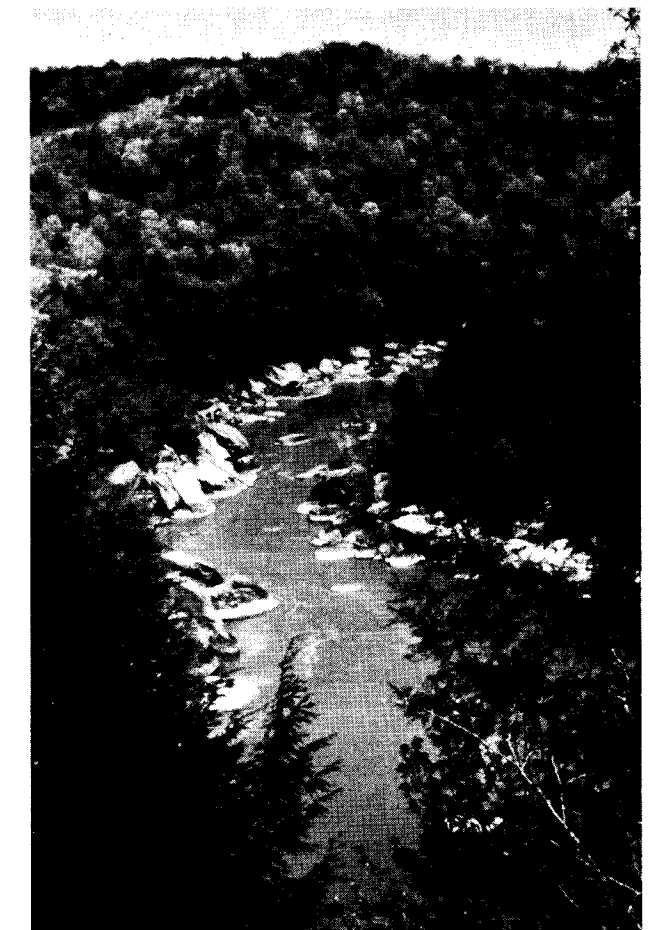
Urban Rivers

U.S. Department of the Interior, 7.5 Minute Series Maps (Topographic), various quadrangles, U.S. Geological Survey.

Kentucky Department for Environmental Protection, *Kentucky Water Quality Report to Congress*, Kentucky Division of Water, Frankfort, Kentucky, 1988.

Kentucky Department for Environmental Protection, Survey Forms and Personal Communications, Area Development Districts and Division of Water Field Offices, 1990

Big South Fork Cumberland River



Fred Kirchoff

CORRIDOR CHARACTER (Undeveloped) -- CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Bad Branch	Ky 932	0.2	Headwaters	4.1	Letcher	Letcher	3.9
Beaver Creek	Lake Cumberland	2.2	Headwaters	9.2	McCreary	McCreary	7.0
Cane Creek	Rockcastle River	0.0	Headwaters	12.0	Laurel	Laurel	12.0
Chimney Top Creek	Red River	0.0	Headwaters	5.0	Wolfe	Wolfe	5.0
Difficulty Creek	Big South Fork Cumberland River	0.0	Headwaters	3.5	McCreary	McCreary	3.5
Dog Slaughter Creek	Cumberland River	0.0	Headwaters	5.4	Whitley	Whitley	5.4
Marsh Creek	Cumberland River	0.0	Laurel Creek	8.6	McCreary	McCreary	8.6
Troublesome Creek	Big South Fork Cumberland River	0.0	Headwaters	3.7	McCreary	McCreary	3.7

CORRIDOR CHARACTER (Undeveloped) -- CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Archers Creek	Cumberland River	0.0	Headwaters	3.2	Whitley	Whitley	3.2
Big Caney Creek	Grayson Lake	2.2	Headwaters	15.0	Elliott	Elliott	12.8
Big South Fork Cumberland R.	Three West Hollow	44.9	Tennessee State Line	55.2	McCreary	McCreary	10.3
Boone Creek	Kentucky River	0.0	Ky 418	6.5	Clark	Clark	6.5
Clifty Creek and Osborne Br.	Red River	0.0	Headwaters	4.0	Menifee	Menifee	4.0
Copperas Creek	Red River	0.0	Headwaters	4.0	Menifee	Menifee	4.0
Cumberland River	Rock Branch	557.3	Cane Creek	572.8	McCreary	Whitley	15.5
Cypress Creek	Obion Creek	30.1	Obion Creek Canal	41.7	Hickman	Hickman	11.6
Gladie Creek	Red River	0.0	Headwaters	7.2	Menifee	Menifee	7.2
Green River	Echo River	197.2	I-65	222.6	Edmonson	Hart	25.4
Jessamine Creek	Kentucky River	0.0	Leatherwood Branch	4.4	Jessamine	Jessamine	4.4
Kentucky River	Dix River	118.2	White Oak Creek	133.3	Jessamine	Garrard	15.1
Laurel Creek	Little Sandy River	0.0	Headwaters	13.5	Elliott	Rowan	13.5
Little Caney Creek	Ky 504 (Grayson Lake)	0.2	Ky 649	8.3	Elliott	Elliott	8.1
Martins Fork & Left Fork	Daniel Branch	25.0	Headwaters(Cumberland Gap)	37.2	Harlan	Bell	12.2

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Mill Creek	Salt River	0.0	Fort Knox Boundry	19.0	Hardin	Hardin	19.0
Obion Creek	River Mile 1.3	1.3	Cypress Creek	37.8	Fulton	Hickman	36.5
Red River	Schoolhouse Branch	50.0	Ky 746	68.6	Powell	Wolfe	18.6
Rockcastle River	Lake Cumberland	8.5	Ky 80	22.1	Laurel	Laurel	13.6
Rocky Clifty Creek	Lake Malone	21.3	Headwaters	26.0	Todd	Todd	4.7
Salt River	Pond Creek	0.5	Long Lick	18.3	Bullitt	Bullitt	17.8
Shillalah Creek	Ky 217	0.2	Headwaters	5.4	Bell	Bell	5.2
Station Camp Creek	Estill/Jackson County Line	19.4	War Fork	22.3	Estill	Jackson	2.9
Swift Camp Creek	Red River	0.0	Rock Bridge	10.0	Wolfe	Wolfe	10.0
Tradewater River	Cypress Creek	7.2	US 60	15.1	Crittenden	Crittenden	7.9
War Fork Station Camp Creek	Station Camp Creek	0.0	Guys Branch	10.0	Jackson	Jackson	10.0

CORRIDOR CHARACTER (Undeveloped) -- CLASS 3 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Brushy Fork	Lynn Camp Creek	0.0	Headwaters	6.6	Hart	Hart	6.6
Buck Creek	Ky 192	12.3	Ky 80	25.0	Pulaski	Pulaski	12.7
Clifty Creek	Wolf Lick Creek	0.0	Headwaters	20.4	Logan	Todd	20.4
Doe Run	Doe Run Lake	4.0	Headwaters	8.0	Meade	Meade	4.0
Emily Run	Drennon Creek	0.0	New Cut Road	4.6	Henry	Henry	4.6
Gasper River	Barren River	0.0	Green River Parkway	7.6	Warren	Warren	7.6
Horse Lick Creek	Rockcastle River	0.0	Headwaters	21.2	Jackson	Jackson	21.2
Little South Fork Cumberland R	Freedom Church Ford	5.5	Tennessee State Line	43.7	McCreary	Wayne	38.2
Lower Howards Creek	Kentucky River	0.0	Old Stone Church Road	4.8	Clark	Clark	4.8
Lynn Camp Creek	Green River	0.0	Headwaters	12.9	Hart	Larue	12.9
Raven Run	Kentucky River	0.0	Headwaters	2.8	Fayette	Fayette	2.8
Rock Creek	White Oak Creek	3.9	Tennessee State Line	21.9	McCreary	McCreary	18.0
South Fork Station Camp Creek	Station Camp Creek	0.0	Viney Bottom	12.3	Jackson	Jackson	12.3
Sturgeon Creek	Ky 587	9.9	Brushy Creek	15.6	Lee	Owsley	5.7
Tradewater River	Hoods Creek	19.5	W. Ky Parkway	84.9	Crittenden	Caldwell	65.4

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Tradewater River	Ky 109	92.6	Sandlick Creek	113.0	Christian	Christian	20.4
Tygarts Creek	Clarks Branch (at Iron Hill, Ky)	56.3	I-64	71.9	Carter	Carter	15.6
Whippoorwill Creek	Red River	0.0	Headwaters	44.7	Logan	Todd	44.7

CORRIDOR CHARACTER (Urban) -- CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Green River	US 231 (Morgantown)	141.3	Renfrow Creek	143.4	Butler	Butler	2.1
Kentucky River	Penitentiary Branch (Frankfort)	64.5	Cedar Run	68.7	Franklin	Franklin	4.2
Ohio River	US 45 (Paducah)	43.4	Tennessee River	48.8	McCracken	McCracken	5.4
Ohio River	Canoe Creek (Henderson)	174.6	Midwest Raceway	180.3	Henderson	Henderson	5.7
Ohio River	Claypit Kilns (Owensboro)	223.0	Yellow Creek	229.0	Daviess	Daviess	6.0
Ohio River	Chickasaw Park (Louisville)	369.8	South Beargrass Creek	379.3	Jefferson	Jefferson	9.5
Ohio River	River Mile 553.9 (Augusta)	553.9	Bracken Creek	555.0	Bracken	Bracken	1.1

CORRIDOR CHARACTER (Urban) -- CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Barren River	Jennings Creek (Bowling Green)	28.5	I-65	41.7	Warren	Warren	13.2
Cumberland River	Wastewater Plant (Williamsburg)	589.5	US-25W	591.7	Whitley	Whitley	2.2
Kentucky River	Ohio River (Carrollton)	0.0	2 miles upstream	2.0	Carroll	Carroll	2.0
Kentucky River	Ky 52 (Irvine)	218.1	Lock & Dam No. 12	220.9	Estill	Estill	2.8
Licking River	Ohio River (Covington/Newport)	0.0	Banklick Creek	4.6	Campbell	Campbell	4.6
Little Sandy River	Stinson Creek Rd. (Grayson)	36.6	Dark Hollow Lake	39.2	Carter	Carter	2.6
Ohio River	Kentucky River (Carrollton)	435.6	US 227	436.9	Carroll	Carroll	1.3

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Ohio River	Pleasant Run Creek (Ludlow)	507.5	Southern RR	509.1	Kenton	Kenton	1.6
Ohio River	Southern Railroad (Covington)	509.1	Licking River	511.2	Kenton	Kenton	2.1
Ohio River	Licking River (Newport)	511.2	Taylor Creek	512.2	Campbell	Campbell	1.0
Ohio River	0.2 mile above I-475 (Dayton/Bellview)	512.1	River Mile 514.7	514.7	Campbell	Campbell	2.6
Ohio River	River Mile 571.8 (Maysville)	571.8	River Mile 574.4	574.4	Mason	Mason	2.6
Ohio River	Worthington City Limits (Russell)	652.8	Greenup County line	656.7	Greenup	Greenup	3.9
Ohio River	Hood Creek (Ashland)	657.5	Clyffeside Branch	660.6	Boyd	Boyd	3.1
Poor Fork Cumberland River	River Mile 717.1 (Cumberland)	717.1	Drift Branch	721.0	Harlan	Harlan	3.9
Salt River	Pipeline (Shepherdsville)	20.8	Floyds Fork	25.4	Bullitt	Bullitt	4.6
South Fork Licking River	Licking River (Falmouth)	0.0	City limits	2.3	Pendleton	Pendleton	2.3

CORRIDOR CHARACTER (Urban) -- CLASS 3 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Big Sandy River	Ohio River (Cattletsburg)	0.0	I-64	2.6	Boyd	Boyd	2.6
Levisa Fork	Ky 40 (Paintsville)	65.3	US 23	69.4	Johnson	Johnson	4.1
Levisa Fork	Ky 1428 (Prestonsburg)	80.2	Ky 3	84.8	Floyd	Floyd	4.6
Middle Fork Beargrass Creek	Beargrass Creek (Louisville)	0.0	Ky 1932	7.4	Jefferson	Jefferson	7.4
North Fork Kentucky River	Ky 30/52 (Jackson)	304.5	Quicksand Creek	307.8	Breathitt	Breathitt	3.3
North Fork Kentucky River	Ky 15 (Hazard)	358.9	Buffalo Cr.	364.1	Perry	Perry	5.2
North Fork Little River	KY 695 (Hopkinsville)	67.8	Seaboard Railroad	74.3	Christian	Christian	6.5
Ohio River	River Mile 515.8 (Ft. Thomas)	515.8	I-275	519.4	Campbell	Campbell	3.6
Russell Creek	Ky 80 East (Columbia)	40.0	Columbia city limits	43.3	Adair	Adair	3.3
South Fork Beargrass Creek	Beargrass Creek (Louisville)	0.0	Ky 1932	11.9	Jefferson	Jefferson	11.9
Tradewater River	Western Ky. Parkway (Dawson Springs)	84.9	Beshear Creek	92.2	Caldwell	Hopkins	7.3
Valley Creek	Gaither Station Road (Elizabethtown)	8.5	South Valley Creek Road	12.7	Hardin	Hardin	4.2

Cultural Resources



The rivers of Kentucky have played an important role in its colonization, development, and industrial growth. The preservation of river-related historic and archaeological resources provides an important link to Kentucky's cultural past and helps maintain the character of its river corridors. Such cultural sites also stimulate the economy through tourism and provide a regional context for understanding the historical significance of rivers and their drainage basins.

Cultural Resource Study Rivers



EVALUATION METHODOLOGY

River corridors that encompassed historic or archaeological sites were evaluated to determine those areas most significant for the occurrence of cultural resources. Those areas evaluated contain a substantial record of Kentucky's development. Each study river included within the cultural resource category met the following **minimum standard:**

- demonstrated clusters of historic and prehistoric archaeological sites or historic standing structures reflecting river-related life

Each study segment was evaluated based on the relative number of historic and archaeological sites that occurred within the river corridor, defined as that area 1,640 feet (500 meters) of the river. A total of 86 rivers were identified with a historic or cultural resource of which 32 rivers had a significant number of sites. These significant rivers were ranked in terms of the number and importance of sites located within the corridor. Historic and archaeological sites considered were National Historic Landmarks or sites eligible for designation, sites on the National Register of Historic Places, or sites eligible for inclusion, and historic and archaeological sites recorded in the survey files of the State Archaeologist and the Kentucky Heritage Council.

Historic and cultural sites were evaluated as to significance and assigned a numeric score. The scores for all sites occurring within the corridor were totaled, and each river assigned a value class based on overall score. The individual site scores were assigned as follows:

Rural historic site not on the National Register of Historic Places	1 point
Rural historic site listed in or determined eligible for listing in the National Register of Historic Places	2 points
Rural archaeological site not listed in the National Register of Historic Places	1 point
Rural archaeological site listed in or determined eligible for listing in the National Register of Historic Places	3 points
Urban center with historic sites on river bank, including all incorporated cities	25 points
Historic districts listed in or determined eligible for listing in the National Register of Historic Places	25 points

An overall score was computed for each of the rivers evaluated and placed in order according to

numerical scores. The rivers were then divided into three subcategories represented by value class rankings as follows:

- Class 1**422 points or greater
- Class 2**91 - 421 points
- Class 3**90 points or less

These classes effectively reflect the relative importance of study rivers in regard to the location of historic and archaeological sites within the river corridor. It should be noted, however, that shorter river segments tended to receive lower scores due to fewer sites.

FINDINGS

A total of 32 segments (2.3% of the rivers studied in the assessment) covering 3,312.2 miles (8.6% of the total miles studied in the assessment) were evaluated in the Cultural Resource category. Segments ranged in length from 8.1 miles (Nolin River) to 664 miles (Ohio River).

Cultural resources are evenly distributed throughout the state. In general, the larger and longer rivers exhibit the highest number of historic and cultural sites. The Ohio River was

easily the highest ranking river in the cultural resource assessment, reflecting its importance in the prehistory and history of the United States. Today, 47 percent of Kentucky's population live in counties bordering the Ohio River.

Eight rivers covering 1,679.6 miles were identified as Class 1 cultural rivers. They ranged in length from 43.6 to 664 miles, averaging 210 miles. Class 1 rivers tended to be the largest and longest in the state. The Ohio River was virtually in a class by itself scoring nearly three times higher (2,211 points) than that of the second-place river, Cumberland River (749 points).

Thirteen rivers covering 923.3 miles were identified as Class 2 cultural rivers. Class 2 rivers ranged in length from 20.1 to 173.6 miles, averaging 71 miles. These rivers are located primarily in central and western Kentucky.

Eleven rivers covering 709.3 miles were identified as Class 3 rivers. Class 3 rivers ranged in length from 8.1 to 131.2 miles, averaging 64.5 miles. These rivers are typically the smallest in the cultural resources category and are evenly distributed throughout the state.

Table 12. Summary of Cultural Resource Evaluations

	Class 1	Class 2	Class 3	Total
Number of Segments	8	13	11	32
Miles	1679.6	923.3	709.3	3312.2

SOURCES OF INFORMATION

Education and Humanities Cabinet, Kentucky Heritage Council, Historic and Archaeologic Site Files, Frankfort, Kentucky.

Beargrass Creek



Scott Hankla

South Fork Elkhorn Creek



Scott Hankla

CULTURAL RESOURCES -- CLASS 1 RIVERS

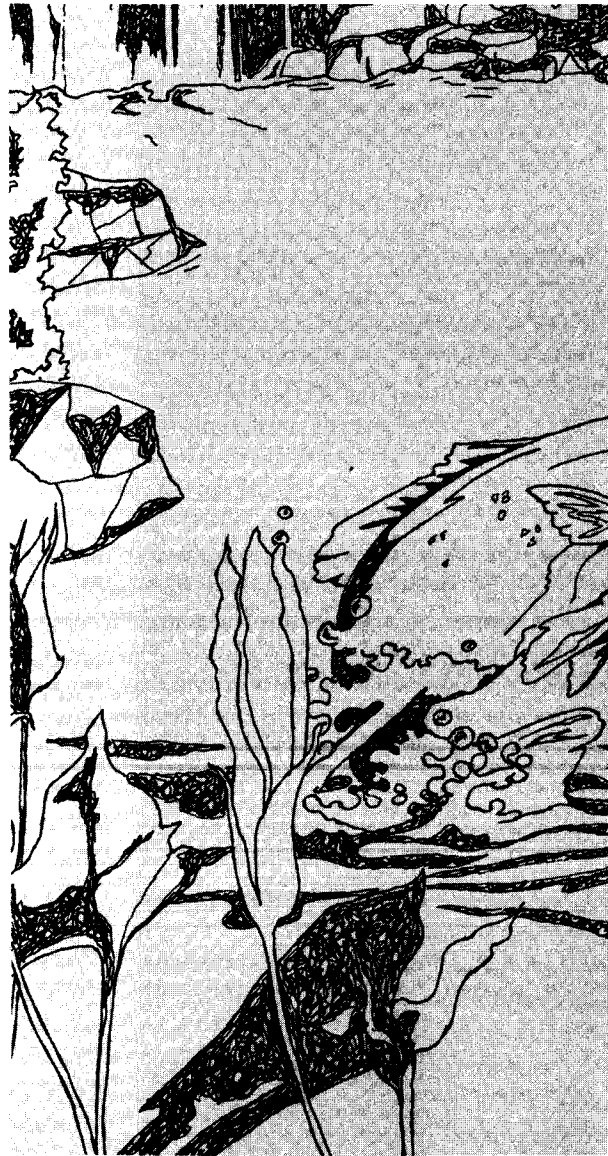
River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Cumberland River	Tennessee State Line	385.5	Wolf Creek Dam	460.9	Monroe	Russell	75.4
Cumberland River	Lake Cumberland	558.5	Poor Fork	694.2	McCreary	Harlan	135.7
Green River	Ohio River	0.0	Green River Lake Dam	305.6	Henderson	Taylor	305.6
Green River	Green River Lake	339.9	Headwaters	383.5	Adair	Lincoln	43.6
Kentucky River	Ohio River	0.0	Beattyville	254.8	Carroll	Lee	254.8
Levisa Fork	Big Sandy River	0.0	Fishtrap Lake Dam	126.1	Lawrence	Pike	126.1
North Fork Elkhorn Creek	Forks of Elkhorn	0.0	Headwaters	74.4	Franklin	Fayette	74.4
Ohio River	Mississippi River	0.0	Big Sandy River	664.0	Ballard	Boyd	664.0

CULTURAL RESOURCES --CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Barren River	Green River	0.0	Barren River Lake Dam	79.2	Allen	Monroe	79.2
Barren River	Barren River Lake	118.5	Headwaters	158.7	Allen	Monroe	40.2
Big South Fork Cumberland R.	Lake Cumberland	16.5	Tennessee State Line	55.2	Pulaski	McCreary	38.7
Hinkston Creek	South Fork Licking River	0.0	Headwaters	70.8	Bourbon	Montgomery	70.8
Licking River	Ohio River	0.0	Cave Run Lake Dam	173.6	Campbell	Bath	173.6
Licking River	Cave Run Lake	232.8	Headwaters	294.1	Morgan	Magoffin	61.3
Little River	Lake Barkley	16.3	North & South Forks	61.0	Trigg	Christian	44.7
Mississippi River	Tennessee State Line	882.6	Ohio River	953.8	Fulton	Ballard	71.2
Rolling Fork	Salt River	0.0	Big South Fork	107.9	Bullitt	Marion	107.9
Rough River	Green River	0.0	Rough River Lake Dam	89.4	Ohio	Breckinridge	89.4
Rough River	Rough River Lake	133.8	Headwaters	153.9	Hardin	Hardin	20.1
Salt River	Ohio River	0.0	Taylorsville Lake Dam	59.5	Bullitt	Spencer	59.5
Salt River	Taylorsville Lake	82.0	Headwaters	148.7	Spencer	Boyle	66.7

CULTURAL RESOURCES -- CLASS 3 RIVERS

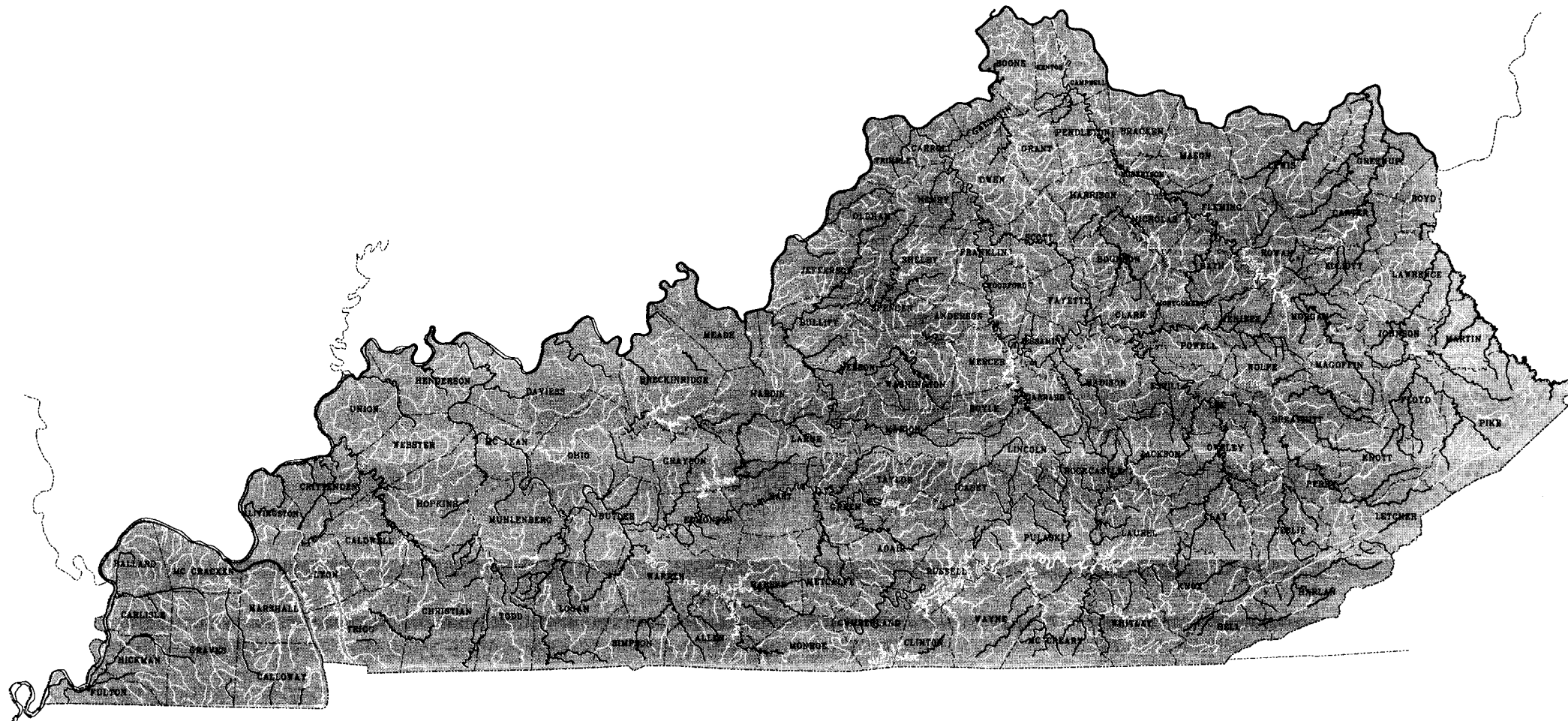
River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Elkhorn Creek	Kentucky River	0.0	Forks of Elkhorn	17.8	Franklin	Franklin	17.8
Little Sandy River	Ohio River	0.0	Grayson Lake Dam	51.0	Greenup	Carter	51.0
Little Sandy River	Grayson Lake	70.6	Headwaters	83.5	Elliott	Elliott	12.9
Nolin River	Green River	0.0	Nolin Lake Dam	8.1	Edmonson	Edmonson	8.1
Nolin River	Nolin Lake	64.3	North Fork	121.5	Grayson	Larue	57.2
Pond River	Green River	0.0	Headwaters	101.1	Hopkins	Todd	101.1
Red River	Kentucky River	0.0	Headwaters	94.2	Clark	Wolfe	94.2
South Fork Elkhorn Creek	Forks of Elkhorn	0.0	Headwaters	52.7	Franklin	Fayette	52.7
Tradewater River	Ohio River	0.0	Headwaters	131.2	Crittenden	Christian	131.2
Tug Fork	Big Sandy River	0.0	Virginia State Line	94.0	Lawrence	Pike	94.0
Tygarts Creek	Ohio River	0.0	Headwaters	89.1	Greenup	Carter	89.1



Fish Resources

Kentucky's rivers provide feeding, spawning, and nursery grounds for a wide variety of fish species. Riverine fisheries are made up of game fish highly sought by anglers, rare or endangered species, important endemic nongame species, and fish of significant commercial value. The diversity of the state's fish resources provides a significant contribution to its quality of life and economy and is an important part of its natural heritage. Each part of the state is valuable from the standpoint of fish resources. Large rivers and small streams alike contain rare species of fish and offer excellent recreational fishing opportunities. In addition, commercial fishing, such as musseling in the Tennessee River, is a viable major industry. An important characteristic of Kentucky's rivers and streams is the capability of supporting fisheries.

Fish Resource Study Rivers



EVALUATION METHODOLOGY

Rivers and streams were evaluated to determine the presence of endangered or unique species, high-quality waters, or important biological communities. These and other significant characteristics are indicators of significant rivers. Each river or stream included within the fish resource category met one of the following **minimum standards**:

- fish populations large enough and of sufficient diversity to support a viable recreational or commercial fishery
- occurrence of species listed as federal or state threatened or endangered; species designated by the Kentucky Academy of Sciences or Kentucky State Nature Preserves Commission as threatened or endangered
- occurrence of significant mussel beds
- occurrence of unique or unusual biotic communities or diversity

Each river or stream segment was evaluated for the presence of endangered, threatened, or rare species; high-quality waters; unique, native fish populations; unusual biological communities; a viable, active fishery; or for Wild River and Outstanding Resource Water designation.

Those rivers and streams with unique species or habitats were ranked the highest while those with viable fisheries were ranked the lowest. Study segments were ranked according to the following classification system.

Class 1 - Federal listed species and/or Kentucky Academy of Science/Kentucky State Nature Preserves Commission list of endangered, threatened and rare animals of Kentucky; high-quality, cold water streams; or streams with potentially unique, native populations of muskellunge or walleye.

Class 2 - Outstanding or recommended Outstanding Resource Waters not listed in Class 1; designated Kentucky Wild Rivers not listed in Class 1; unique or unusual biological communities; or streams with muskellunge, walleye, or coosae bass not in Class 1.

Class 3 - Viable, active fisheries not listed in Class 1 or 2.

FINDINGS

A total of 407 segments (29.9% of the rivers studied in the assessment) covering 8,189.2 miles (21.2% of the total miles studied in the assessment) were evaluated in the fish resource

category. Segments ranged in length from 0.7 mile (Long Branch in Whitley County) to 530.5 miles (Ohio River). The three top rivers identified in the assessment process are the Green River, Big South Fork of the Cumberland, and the Licking River from Visalia to Cave Run Lake Dam.

One hundred ninety-four rivers covering 3,475.4 miles were identified as Class 1 fish resource rivers. Class 1 rivers ranged in length from 0.7 mile to 157.6 miles, averaging 17.9 miles. These rivers are distributed across the state.

Forty-seven rivers covering 1,269.5 miles were identified as Class 2 rivers. Class 2 rivers ranged in length from 1.1 to 110.3 miles, averaging 27.0 miles. These rivers are located primarily in central Kentucky.

One hundred sixty six rivers covering 3,444.3 miles were identified as Class 3 rivers. Class 3 rivers ranged in length from 1.1 to 530.5 miles, averaging 20.7 miles, and are located throughout the state.

Table 13. Summary of Fish Resource Evaluations

	Class 1	Class 2	Class 3	Total
Number of Segments	194	47	166	407
Miles	3475.4	1269.5	3444.3	8189.2

SOURCES OF INFORMATION

Axon, James R. and Lewis E. Kornman, *Characteristics of Native Muskellunge Streams in Eastern Kentucky*, American Fisheries Society Special Publication 15:263-272, 1986.

Brewer, Daniel L., *A Study of Native Muskellunge Populations in Eastern Kentucky Streams*, Fisheries Bulletin of the Kentucky Department of Fish and Wildlife Resources, 1980.

Conservation Officers, Personal Communications, Kentucky Department of Fish and Wildlife Resources, 1990.

Kentucky Department of Fish and Wildlife Resources, *Streams Program of Kentucky*, unpublished draft.

Kentucky State Nature Preserves Commission, Natural Heritage Database.

Warren, Melvin L. et al, *Transactions of the Kentucky Academy of Science - Endangered, Threatened, and Rare Plants and Animals of Kentucky*, November 1986.

Kentucky River



Fred Kirchoff

FISH RESOURCES -- CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Archers Creek	Cumberland River	0.0	Headwaters	3.2	Whitley	Whitley	3.2
Bad Branch	Poor Fork Cumberland River	0.0	Headwaters	4.1	Letcher	Letcher	4.1
Bark Camp Creek	Cumberland River	0.0	Spice Mortar Branch	5.6	Whitley	Whitley	5.6
Barren River	Green River	0.0	Lock & Dam No. 1	15.0	Butler	Warren	15.0
Barren River	Barren River Lake	118.5	Headwaters	158.7	Allen	Monroe	40.2
Bayou Creek	Ohio River	0.0	Headwaters	22.8	Livingston	Livingston	22.8
Bayou de Chien	Mississippi River	0.0	Cane Creek	14.0	Fulton	Graves	14.0
Beaver Creek	Lake Cumberland	2.2	Headwaters	9.2	McCreary	McCreary	7.0
Becks Creek	Jellico Creek	0.0	Headwaters	2.8	Whitley	Whitley	2.8
Beechy Creek	Kentucky Lake	0.3	Headwaters	6.2	Calloway	Calloway	5.9
Big Caney Creek	Grayson Lake	2.2	Licklog Branch	11.6	Elliott	Elliott	9.4
Big Double Creek	Red Bird River	0.0	Right & Left Forks	1.9	Clay	Clay	1.9
Big Lick Branch	Lake Cumberland	0.4	Headwaters	2.8	Pulaski	Pulaski	2.4
Big Sinking Creek	Little Sandy River	0.0	Headwaters	19.0	Carter	Elliott	19.0
Big South Fork Cumberland R.	Ky 92	40.3	Tennessee State Line	55.2	McCreary	McCreary	14.9
Blackwater Creek	Cave Run Lake	7.7	Headwaters	15.7	Morgan	Morgan	8.0
Blood River	Kentucky Lake	8.3	Tennessee State Line	15.7	Calloway	Calloway	7.4
Bob (Butler) Branch	Crooked Creek	0.0	Headwaters	4.0	Crittenden	Crittenden	4.0
Bridge Fork	Laurel Creek	0.0	Headwaters	6.0	McCreary	McCreary	6.0
Brier Creek	Cumberland River	0.0	Headwaters	5.3	Whitley	Whitley	5.3
Briery Branch	Ohio River	0.0	Headwaters	4.7	Lewis	Lewis	4.7
Brownies Creek	Poor Fork Cumberland River	0.0	Headwaters	16.3	Bell	Harlan	16.3
Brushy Fork	Crooked Creek	0.0	Headwaters	5.2	Crittenden	Crittenden	5.2
Brushy Fork	Lynn Camp Creek	0.0	Headwaters	6.6	Hart	Hart	6.6
Buck Creek	Clear Fork	0.0	Headwaters	2.8	Whitley	Whitley	2.8
Buck Creek	Lake Cumberland	10.5	Lincoln County Line	52.4	Pulaski	Pulaski	41.9
Buckhorn Creek	Clemons Fork	4.4	Headwaters	13.9	Breathitt	Knott	9.5
Bucks Branch	Jellico Creek	0.0	Headwaters	2.5	Whitley	McCreary	2.5
Buffalo Creek	Tennessee State Line	2.0	Headwaters	3.4	Whitley	Whitley	1.4
Bunches Creek	Cumberland River	0.0	Headwaters	4.9	Whitley	Whitley	4.9

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Cal Creek	Perkins Creek	0.0	Headwaters	2.0	McCreary	McCreary	2.0
Camp Creek	Ohio River	0.0	Headwaters	6.5	Crittenden	Crittenden	6.5
Cane Creek	Rockcastle River	0.0	Headwaters	12.0	Laurel	Laurel	12.0
Cane Creek	Cumberland River	0.0	Headwaters	8.5	Whitley	Whitley	8.5
Caney Creek	Licking River	0.0	Headwaters	18.1	Morgan	Morgan	18.1
Caney Creek	Left Fork Straight Creek	0.0	Left & Right Forks	0.9	Bell	Bell	0.9
Casey Creek	Little River	0.0	Ky 161	5.1	Trigg	Christian	5.1
Chimney Top Creek	Red River	0.0	Headwaters	5.0	Wolfe	Wolfe	5.0
Clear Creek	Tradewater River	0.0	Ky 502 Bridge	13.4	Hopkins	Hopkins	13.4
Clemons Fork	Buckhorn Creek	0.0	Headwaters	4.7	Breathitt	Breathitt	4.7
Clover Bottom Creek	Horse Lick Creek	0.0	Bethel Cemetary	1.4	Jackson	Jackson	1.4
Cogur Fork	Indian Creek	0.0	4.2 miles upstream	4.2	McCreary	McCreary	4.2
Coles Fork	Buckhorn Creek	0.0	Headwaters	6.4	Breathitt	Knott	6.4
Craney Creek	Cave Run Lake	3.5	Headwaters	10.4	Rowan	Rowan	6.9
Crooked Creek	Ohio River	0.0	Headwaters	28.4	Crittenden	Crittenden	28.4
Cumberland River	Ohio River	0.0	McCormick Creek	2.5	Livingston	Livingston	2.5
Cumberland River	Cloyd's Landing Island	409.5	Wolfe Creek Dam	460.9	Cumberland	Russell	51.4
Cumberland River	Lake Cumberland	558.5	Jellico Creek	574.8	McCreary	Whitley	16.3
Cypress Creek	Muhlenberg/McLean County Line	18.0	Headwaters	33.3	McLean	Muhlenberg	15.3
Cypress Slough	Green River	0.0	Headwaters	3.2	Henderson	Henderson	3.2
Davis Branch	Yellow Creek	0.0	Headwaters	4.3	Bell	Bell	4.3
Devils Fork	North Fork	0.0	Headwaters	8.3	Morgan	Elliott	8.3
Difficulty Creek	Big South Fork Cumberland River	0.0	Headwaters	3.5	McCreary	McCreary	3.5
Dix River	Kentucky River	0.0	Dix Dam	3.0	Garrard	Garrard	3.0
Doe Run	Ky 1638	5.2	Headwaters	8.0	Meade	Meade	2.8
Dog Slaughter Creek	Cumberland River	0.0	Headwaters	5.4	Whitley	Whitley	5.4
Donaldson Creek	Lake Barkley	8.5	Headwaters	14.2	Trigg	Trigg	5.7
Drakes Creek	Barren River	0.0	West & Middle Forks	23.5	Warren	Warren	23.5
Eagle Creek	Cumberland River	0.0	Headwaters	6.2	McCreary	McCreary	6.2
Eagle Creek	Kentucky River	0.0	Ky 22	40.7	Carroll	Grant	40.7
East Fork Clarks River	Clarks River	0.0	Tennessee State Line	7.4	Calloway	Calloway	7.4
East Fork Indian Creek	Indian Creek	0.0	Morgan Hollow	5.0	Menifee	Menifee	5.0

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
East Fork Little Barren River	Little Barren River	0.0	Headwaters	29.5	Metcalfe	Metcalfe	29.5
Echo River	Green River at Echo River Spring	0.0	East Bndry Mammoth Cave National Park	4.0	Edmonson	Edmonson	4.0
Egners Branch	Clarks River	0.0	Headwaters	4.1	Marshall	Marshall	4.1
Elk Fork Red River	Tennessee State line	8.4	Snardon Mill Rd.	13.5	Todd	Todd	5.1
Elkhorn Creek	Kentucky River	0.0	Forks of Elkhorn	17.8	Franklin	Franklin	17.8
Falling Timber Creek	Skaggs Creek	0.0	Headwaters	14.7	Barren	Metcalfe	14.7
Gasper River	Barren River	0.0	Headwaters	38.0	Warren	Logan	38.0
Gladie Creek	Powell Branch	1.7	Headwaters	7.2	Menifee	Menifee	5.5
Glover Creek	Barren River Lake	1.2	Headwaters	5.9	Barren	Barren	4.7
Goose Creek	South Fork Kentucky River	0.0	Headwaters	42.6	Clay	Clay	42.6
Grahampton Cave Stream	Grahampton Cave	0.0	Grahampton Cave	1.0	Meade	Meade	1.0
Grassy Creek	Cave Run Lake	6.3	Headwaters	10.0	Morgan	Morgan	3.7
Greasy Creek	Middle Fork Kentucky River	0.0	Headwaters	26.6	Leslie	Harlan	26.6
Green River	Lock & Dam No. 4	148.0	Green River Lake Dam	305.6	Butler	Taylor	157.6
Green River	Green River Lake	339.9	Headwaters	383.5	Adair	Lincoln	43.6
Hawkins River	Green River at Turnhole Bend Spring	0.0	Park City (Southwest)	8.0	Edmonson	Barren	8.0
Horse Lick Creek	Rockcastle River	0.0	Headwaters	21.2	Jackson	Jackson	21.2
Hurricane Creek	Mayfield Creek	0.0	Headwaters	7.2	Carlisle	Carlisle	7.2
Indian Creek	Kinniconick	0.0	Headwaters	9.4	Lewis	Lewis	9.4
Indian Creek	Barren Fork	6.7	4.1 miles upstream	10.8	McCreary	McCreary	4.1
Indian Creek	Middle Fork Rockcastle River	0.0	Hurley, Ky.	4.4	Jackson	Jackson	4.4
Kennedy Creek	Little South Fork Cumberland River	0.0	Headwaters	3.1	Wayne	Wayne	3.1
Kinniconick Creek	Ohio River	0.0	Headwaters	50.4	Lewis	Lewis	50.4
Knight Branch	Beechy Creek	0.0	Headwaters	2.5	Calloway	Calloway	2.5
Land Branch	Tradewater	0.0	Headwaters	2.5	Caldwell	Crittenden	2.5
Laurel Creek	Marsh Creek	0.0	Headwaters	9.2	McCreary	McCreary	9.2
Laurel Creek	Little Sandy River	0.0	Headwaters	13.5	Elliott	Rowan	13.5
Laurel Fork	Middle Fork Rockcastle River	0.0	Headwaters	12.2	Jackson	Jackson	12.2
Ledbetter Creek	Kentucky Lake	1.8	Headwaters	3.3	Calloway	Calloway	1.5
Left Fork Caney Creek	Caney Creek	0.0	Headwaters	2.0	Bell	Bell	2.0

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Left Fork Straight Creek	Wieser Branch	3.0	Long Branch	4.2	Bell	Bell	1.2
Lewis Creek	Poor Fork Cumberland River	0.0	Headwaters	2.8	Letcher	Letcher	2.8
Lick Creek	Big South Fork Cumberland River	0.0	Headwaters	2.5	McCreary	McCreary	2.5
Lick Creek	West Fork Drakes Creek	0.0	Ky 100	8.4	Simpson	Simpson	8.4
Licking River	Visalia, Ky	19.0	Cave Run Lake Dam	173.6	Campbell	Bath	154.6
Licking River	Cave Run Lake	232.8	Headwaters	294.1	Morgan	Magoffin	61.3
Line Fork	Turkey Creek	4.8	Ky 160	15.0	Letcher	Letcher	10.2
Little Barren River	Green River	0.0	East and South Forks	20.9	Green	Metcalfe	20.9
Little Clear Creek	Clear Creek	0.0	Headwaters	11.4	Bell	Bell	11.4
Little River	Lake Barkley	16.3	North & South Forks	61.0	Trigg	Christian	44.7
Little Sandy River	Ohio River	0.0	Grayson Lake Dam	51.0	Greenup	Carter	51.0
Little South Fork Cumberland R	Lake Cumberland	4.1	Tennessee State Line	43.7	McCreary	Wayne	39.6
Little Yellow Creek	Yellow Creek	0.0	Fern Lake Dam	3.2	Bell	Bell	3.2
Logsdon River	Hawkins River	0.0	East of Roppel Cave near Cave City	4.0	Edmonson	Barren	4.0
Long Branch	Cumberland River	0.0	Headwaters	0.7	Whitley	Whitley	0.7
Long Branch	Left Fork Straight Creek	0.0	Headwaters	2.5	Bell	Bell	2.5
Long Creek	Barren River Lake	7.5	Ky 1578	12.1	Allen	Allen	4.6
Lynn Camp Creek	Green River	0.0	Headwaters	12.9	Hart	Larue	12.9
Marsh Creek	Cumberland River	0.0	Tennessee State Line	24.6	McCreary	McCreary	24.6
Martins Fork	Rough Branch	27.4	Headwaters (Cumberland Gap Park)	37.2	Harlan	Bell	9.8
Mayfield Creek	Mississippi River	0.0	Morris Creek	38.6	Carlisle	Graves	38.6
Middle Fork Kentucky River	Buckhorn Lake	76.6	Dry Fork at Spruce Pine	98.2	Leslie	Leslie	21.6
Middle Fork Red River	Red River	8.4	Whittleton Branch	11.0	Powell	Powell	2.6
Middle Fork Rockcastle River	Rockcastle River	0.0	Indian Creek	7.8	Jackson	Jackson	7.8
Mill Creek	Straight Creek	0.0	Headwaters	3.2	Bell	Bell	3.2
Mill Creek	Lake Cumberland	0.6	Headwaters	5.5	McCreary	McCreary	4.9
Minor Creek	Craney Creek	0.0	Headwaters	6.8	Morgan	Rowan	6.8
Mississippi River	Tennessee State Line	882.6	Ohio River	953.8	Fulton	Ballard	71.2
Mud River	Green River	0.0	Headwaters	70.6	Butler	Logan	70.6
Ned Branch	Rockcastle River	0.0	Headwaters	1.9	Laurel	Laurel	1.9
Nolin River	Nolin Lake	64.3	North Fork	121.5	Grayson	Larue	57.2

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
North Fork Elkhorn Creek	Forks of Elkhorn	0.0	Headwaters	74.4	Franklin	Fayette	74.4
North Fork Kentucky River	Breathitt County Line	275.3	War Creek	281.9	Breathitt	Breathitt	6.6
North Fork Licking River	Cave Run Lake	9.9	Headwaters	21.3	Morgan	Morgan	11.4
North Fork Ruin Creek	Ruin Creek	0.0	Headwaters	5.1	Elliott	Elliott	5.1
North Fork Triplett Creek	Triplett Creek	0.0	Headwaters	25.6	Rowan	Rowan	25.6
Obion Creek	Mississippi River	0.0	Ky 339	44.4	Fulton	Graves	44.4
Ohio River	Mississippi River	0.0	Wabash River	133.5	Ballard	Union	133.5
Panther Creek	Kentucky Lake	0.0	Headwaters	5.2	Calloway	Calloway	5.2
Parched Corn Creek	Red River	0.0	Headwaters	2.3	Wolfe	Wolfe	2.3
Poor Fork Cumberland River	Blair, Ky.	722.0	Headwaters	744.0	Harlan	Letcher	22.0
Powell Branch	East Fork Indian Creek	0.0	Headwaters	1.2	Menifee	Menifee	1.2
Powell Creek	Tennessee State Line	4.0	Headwaters	8.5	Graves	Graves	4.5
Red Bird River	South Fork Kentucky River	0.0	Sugar Creek	21.1	Clay	Clay	21.1
Red River	Kentucky River	0.0	Headwaters	94.2	Clark	Wolfe	94.2
Red River	Tennessee State Line	50.2	Tennessee State Line	80.5	Simpson	Logan	30.3
Right Fork Buffalo Creek	Buffalo Creek	0.0	Headwaters	11.1	Owsley	Owsley	11.1
Right Fork Caney Creek	Caney Creek	0.0	Headwaters	3.3	Bell	Bell	3.3
Rock Creek	Big South Fork Cumberland River	0.0	Tennessee State Line	21.9	McCreary	McCreary	21.9
Rock Creek	Jellico Creek	0.0	Headwaters	5.7	McCreary	McCreary	5.7
Rock House Slough	Rough River	0.0	Headwaters	1.7	Ohio	Ohio	1.7
Rockcastle River	Lake Cumberland	8.5	Middle Fork Rockcastle River	53.3	Laurel	Jackson	44.8
Rolling Fork	Salt River	0.0	Big South Fork	107.9	Bullitt	Marion	107.9
Ross Branch	Jellico Creek	0.0	Headwaters	1.6	Whitley	Whitley	1.6
Roundstone Creek	Rockcastle River	0.0	Headwaters	28.4	Rockcastle	Rockcastle	28.4
Ruin Creek	Little Sandy River	0.0	North & South Forks	1.2	Elliott	Elliott	1.2
Running Slough	Tennessee State Line	0.0	Headwaters	15.3	Fulton	Fulton	15.3
Russell Creek	Green River	0.0	Headwaters	68.1	Green	Russell	68.1
Russell Fork	Levisa Fork	0.0	Virginia State Line	16.0	Pike	Pike	16.0
Sanders Creek	Cumberland River	0.0	Headwaters	5.2	Whitley	Whitley	5.2
Shawnee Creek	Mississippi River	0.0	Headwaters	17.4	Ballard	Ballard	17.4
Shillalah Creek	Clear Fork	0.0	Headwaters	5.4	Bell	Bell	5.4
Shut-in Branch	Jellico Creek	0.0	Headwaters	1.0	McCreary	McCreary	1.0
Sims Fork	Left Fork Straight Creek	0.0	Headwaters	6.5	Bell	Bell	6.5

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Skeggs Creek	Barren River Lake	23.1	Headwaters	51.1	Barren	Metcalfe	28.0
Slabcamp Creek	Craney Creek	0.0	Headwaters	3.6	Rowan	Rowan	3.6
Slate Creek	Licking River	0.0	Headwaters	59.3	Bath	Menifee	59.3
South Fork Beargrass Creek	Beargrass Creek (Louisville)	0.0	Headwaters	15.5	Jefferson	Jefferson	15.5
South Fork Kentucky River	Kentucky River	0.0	Red Bird River	45.1	Lee	Clay	45.1
South Fork Red River	Red River	0.0	Tennessee State Line	8.0	Logan	Logan	8.0
South Fork Ruin Creek	Ruin Creek	0.0	Headwaters	4.0	Elliott	Elliott	4.0
South Fork Station Camp Creek	Station Camp Creek	0.0	Headwaters	26.2	Jackson	Jackson	26.2
Station Camp Creek	Kentucky River	0.0	War Fork	22.3	Estill	Jackson	22.3
Stovall Creek	Mayfield Creek	0.0	Headwaters	6.3	Ballard	Ballard	6.3
Straight Creek	Cumberland River	0.0	Stoney Fork	11.3	Bell	Bell	11.3
Straight Creek	Widow Branch	17.4	Little Widow Branch	18.1	Harlan	Harlan	0.7
Sturgeon Creek	Kentucky River	0.0	Headwaters	33.4	Lee	Jackson	33.4
Sugar Creek	Cumberland River	0.0	Headwaters	10.4	Livingston	Livingston	10.4
Swift Camp Creek	Red River	0.0	8.0 miles upstream	8.0	Wolfe	Wolfe	8.0
Tennessee River	Ohio River	0.0	Kentucky Lake Dam	22.4	McCracken	Livingston	22.4
Terrapin Creek	Tennessee State Line	2.8	Headwaters	12.5	Graves	Graves	9.7
Trammel Fork	Drakes Creek	0.0	Tennessee State Line	30.2	Warren	Allen	30.2
Triplett Creek	North Fork Triplett Creek	5.8	Christy Creek	15.0	Rowan	Rowan	9.2
Troublesome Creek	Big South Fork Cumberland River	0.0	Headwaters	3.7	McCreary	McCreary	3.7
Tug Fork	Big Sandy River	0.0	Rockcastle Creek	10.2	Lawrence	Lawrence	10.2
Tygart Creek	Ohio River	0.0	Headwaters	89.1	Greenup	Carter	89.1
U.T. of Harrods Creek-1st Trib	Harrods Creek	0.0	Headwaters	3.2	Jefferson	Oldham	3.2
U.T. of Muddy Fork(Mockingbrd)	Muddy fork	0.0	Headwaters	1.7	Jefferson	Jefferson	1.7
U.T. of White Oak Creek	White Oak Creek	0.0	Headwaters	3.8	Laurel	Laurel	3.8
Upper Lick Fork	Cave Run Lake	2.9	Headwaters	6.3	Rowan	Rowan	3.4
War Fork Station Camp Creek	Station Camp Creek	0.0	Headwaters	13.7	Jackson	Jackson	13.7
Weicher Creek	Beargrass Creek	0.0	Headwaters	2.2	Jefferson	Jefferson	2.2
West Fork Clarks River	Clarks River	0.0	Headwaters	37.5	McCracken	Calloway	37.5
West Fork Drakes Creek	Drakes Creek	0.0	Tennessee State Line	32.8	Warren	Simpson	32.8
West Fork Red River	Tennessee State Line	14.5	Headwaters	46.8	Christian	Todd	32.3
Whippoorwill Creek	Red River	0.0	Headwaters	44.7	Logan	Todd	44.7
White Oak Creek	Tygart Creek	0.0	Headwaters	10.6	Greenup	Greenup	10.6

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Wilson Creek	Rolling Fork	0.0	Headwaters	17.0	Bullitt	Bullitt	17.0
Wolf Creek	Clear Fork	0.0	Headwaters	6.4	Whitley	Whitley	6.4
Wolf Lick Creek	Mud River	0.0	Headwaters	27.4	Logan	Logan	27.4
Yocum Creek	Cave Run Lake	2.6	Headwaters	4.6	Morgan	Morgan	2.0
Youngs Creek	Cumberland River	0.0	Headwaters	6.1	Whitley	Whitley	6.1

FISH RESOURCES -- CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Beaver Creek	Cave Run Lake	11.4	Headwaters	19.2	Menifee	Menifee	7.8
Beech Creek	Salt River	0.0	Headwaters	30.0	Spencer	Shelby	30.0
Beech Fork	Rolling Fork	0.0	Headwaters	110.3	Nelson	Marion	110.3
Benson Creek	Keenebec School	2.3	South Benson Creek	4.6	Franklin	Franklin	2.3
Big Pitman Creek	Green River	0.0	Headwaters	42.2	Green	Taylor	42.2
Big South Fork Rolling Fork	Rolling Fork	0.0	Headwaters	21.8	Marion	Casey	21.8
Boone Creek	Kentucky River	0.0	Headwaters	17.1	Clark	Fayette	17.1
Brashears Creek	Salt River	0.0	Headwaters	25.5	Spencer	Shelby	25.5
Brushy Fork	Cave Run Lake	0.7	Botts Fork	3.8	Menifee	Menifee	3.1
Cartwright Creek	Beech Fork	0.0	Headwaters	26.0	Washington	Marion	26.0
Chaplin River	Beaver Creek	22.7	Thompson Branch	40.1	Washington	Washington	17.4
Clear Creek	Brashears Creek	0.0	Headwaters	26.4	Shelby	Shelby	26.4
Collins Fork	Goose Creek	0.0	Headwaters	17.8	Clay	Knox	17.8
Dix River	Herrington Lake (Ky 52)	34.6	Headwaters	80.0	Boyle	Rockcastle	45.4
Drennon Creek	Kentucky River	0.0	Headwaters	21.7	Henry	Henry	21.7
Fishing Creek	Lake Cumberland	20.5	Headwaters	41.6	Pulaski	Lincoln	21.1
Fleming Creek	Licking River	0.0	Ky 11	20.1	Nicholas	Fleming	20.1
Floyds Fork	Salt River	0.0	Headwaters	67.0	Bullitt	Henry	67.0
Flynn Fork	Tradewater River	0.0	Headwaters	14.0	Caldwell	Caldwell	14.0
Grassy Creek	Licking River	0.0	Williamstown Lake Dam	27.5	Pendleton	Grant	27.5
Hanging Fork	Dix River	0.0	Headwaters	32.3	Boyle	Casey	32.3

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Hinkston Creek	South Fork Licking River	0.0	Somerset Creek	34.8	Bourbon	Montgomery	34.8
Jessamine Creek	Kentucky River	0.0	Headwaters	18.7	Jessamine	Jessamine	18.7
Laurel River	Lake Cumberland	0.8	Laurel Lake Dam	2.1	Laurel	Laurel	1.3
Little Goose Creek	Goose Creek	0.0	Headwaters	14.0	Clay	Clay	14.0
Little Kentucky River	Ohio River	0.0	Lake Jerrico Dam	27.2	Carroll	Henry	27.2
Middle Fork Grassy Creek	South Fork Grassy Creek	0.0	Headwaters	15.4	Pendleton	Grant	15.4
Middle Fork Kentucky River	North Fork Kentucky River	0.0	Buckhorn Lake Dam	43.3	Lee	Perry	43.3
Nolin River	Green River	0.0	Nolin Lake Dam	8.1	Edmonson	Edmonson	8.1
North Fork Grassy Creek	Grassy Creek	0.0	Headwaters	12.9	Pendleton	Grant	12.9
North Fork Kentucky River	Wolf Creek	326.9	Headwaters	422.2	Breathitt	Letcher	95.3
North Rolling Fork	Rolling Fork	107.9	Boyle/Marion County Line	119.9	Marion	Marion	12.0
Paint Lick Creek	Kentucky River	0.0	Headwaters	30.8	Garrard	Garrard	30.8
Piney Creek	Tradewater River	0.0	Headwaters	25.5	Crittenden	Crittenden	25.5
Rich Pond Stream	Sink Hole	0.0	Spring	1.1	Warren	Warren	1.1
Rock Creek	Rockcastle River	0.0	Headwaters	2.0	Laurel	Laurel	2.0
Salt River	Ohio River	0.0	Taylorsville Lake Dam	59.5	Bullitt	Spencer	59.5
Sexton Creek	South Fork Kentucky River	0.0	Headwaters	22.5	Owsley	Jackson	22.5
Silver Creek	Kentucky River	0.0	Headwaters	36.2	Madison	Madison	36.2
Six Mile Creek	Kentucky River	0.0	Headwaters	23.6	Shelby	Henry	23.6
South Fork Little Barren River	Little Barren River	0.0	Headwaters	35.8	Metcalfe	Metcalfe	35.8
South Fork Nolin River	Nolin Lake	0.0	Headwaters	15.8	Larue	Larue	15.8
Stevens Creek	Eagle Creek	0.0	Headwaters	21.0	Grant	Owen	21.0
Stoner Creek	South Fork Licking River	0.0	Headwaters	72.2	Bourbon	Clark	72.2
Strodes Creek	Stoner Creek	0.0	Headwaters	26.5	Bourbon	Clark	26.5
Tight Hollow Creek	Mill Creek	0.0	Headwaters	1.7	Wolfe	Wolfe	1.7
Townsend Creek	South Fork Licking River	0.0	Headwaters	15.5	Bourbon	Bourbon	15.5

FISH RESOURCES -- CLASS 3 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Alexander Creek	Green River	0.0	Headwaters	7.0	Edmonson	Edmonson	7.0
Bacon Creek	Nolin Lake	5.7	Headwaters	31.2	Hart	Hart	25.5
Barebone Creek	Ohio River	0.0	2 miles above mouth	2.0	Trimble	Trimble	2.0
Barren River	Six miles downstream from dam	73.2	Barren River Lake Dam	79.2	Allen	Allen	6.0
Bays Fork	Barren River	0.0	Headwaters	27.6	Allen	Allen	27.6
Bear Creek	Green River	0.0	Headwaters	45.6	Edmonson	Grayson	45.6
Beaver Creek	Levisa Fork	0.0	Right & Left Forks	7.0	Floyd	Floyd	7.0
Beaver Creek	Lake Cumberland at Ky 90	21.3	Ky 858	24.0	Wayne	Wayne	2.7
Beaver Dam Creek	Green River	0.0	Headwaters	7.6	Edmonson	Edmonson	7.6
Big Creek	Red Bird River	0.0	Headwaters	4.3	Clay	Leslie	4.3
Big Creek	Tug Fork	0.0	Headwaters	19.7	Pike	Pike	19.7
Big Reedy Creek	Green River	0.0	Headwaters	19.0	Butler	Grayson	19.0
Big Sinking Creek	Millers Creek	0.0	Headwaters	14.0	Lee	Lee	14.0
Blackford Creek	Ohio River	0.0	Headwaters	30.7	Daviess	Hancock	30.7
Blaine Creek	Big Sandy River	0.0	Yatesville Dam	12.0	Lawrence	Lawrence	12.0
Brush Creek	Roundstone Creek	0.0	Headwaters	8.7	Rockcastle	Rockcastle	8.7
Brushy Creek	Buck Creek	0.0	Headwaters	16.1	Pulaski	Rockcastle	16.1
Buffalo Creek	Tygarts Creek	0.0	Headwaters	12.0	Carter	Carter	12.0
Bull Creek	Ohio River	0.0	Headwaters	3.9	Breckinridge	Breckinridge	3.9
Bullskin Creek	Kentucky River, South Fork	0.0	Headwaters	13.9	Clay	Leslie	13.9
Camp Creek	Sandlick Creek	0.0	Headwaters	3.3	Christian	Christian	3.3
Caney Creek	Rough River	0.0	North Fork	33.9	Ohio	Ohio	33.9
Caney Fork	Beaver Creek	0.0	Headwaters	11.5	Knott	Knott	11.5
Canoe Creek	Ohio River	0.0	Headwaters	14.8	Henderson	Henderson	14.8
Carr Fork	North Fork Kentucky River	0.0	Carr Fork Lake Dam	8.7	Knott	Knott	8.7
Catrons Creek	Martins Fork	0.0	Headwaters	8.5	Harlan	Harlan	8.5
Claylick Creek	Cumberland River	0.0	Headwaters	16.9	Crittenden	Crittenden	16.9
Clear Creek	Roundstone Creek	0.0	Headwaters	12.1	Rockcastle	Rockcastle	12.1
Clear Creek	Cumberland River	0.0	Headwaters	16.0	Bell	Bell	16.0
Clifty Creek	Buck Creek	0.0	Headwaters	3.4	Pulaski	Pulaski	3.4

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Clifty Creek	Wolf Lick Creek	0.0	Headwaters	20.4	Logan	Todd	20.4
Clifty Creek	Rough River Lake	0.0	Headwaters	18.0	Grayson	Grayson	18.0
Clover Creek	Ohio River	0.0	Headwaters	17.1	Breckinridge	Breckinridge	17.1
Clover Fork	Cumberland River	0.0	Headwaters	34.5	Harlan	Harlan	34.5
Cloverlick Creek	Poor Fork Cumberland River	0.0	Headwaters	8.1	Harlan	Harlan	8.1
Coal Creek	Pond River	0.0	Headwaters	8.4	Christian	Christian	8.4
Coldweather Creek	Fishing Creek	0.0	Headwaters	4.8	Pulaski	Pulaski	4.8
Copper Creek	Dix River	0.0	Headwaters	11.8	Lincoln	Garrard	11.8
Cranks Creek	Martins Fork	0.0	Headwaters	14.0	Harlan	Harlan	14.0
Crocus Creek	Cumberland River	0.0	Headwaters	27.5	Cumberland	Russell	27.5
Crooked Creek	Roundstone Creek	0.0	Headwaters	12.2	Rockcastle	Rockcastle	12.2
Crummies Creek	Martins Fork	0.0	Headwaters	6.5	Harlan	Harlan	6.5
Cutshin Creek	Middle Fork Kentucky River	0.0	Headwaters	28.8	Leslie	Leslie	28.8
Deer Creek	Ohio River	0.0	Headwaters	18.8	Crittenden	Crittenden	18.8
Dulin Creek	Buck Fork	0.0	Headwaters	7.0	Christian	Christian	7.0
East Fork Little Sandy River	Little Sandy River	0.0	Greenup County Line	13.6	Greenup	Greenup	13.6
East Fork Little Sandy River	U.S. 60	22.9	Laurel Creek	26.1	Boyd	Boyd	3.2
Elk Fork	Licking River	0.0	Headwaters	19.7	Morgan	Morgan	19.7
Elkhorn Creek	Russell Fork	0.0	Big Branch	1.1	Pike	Letcher	1.1
Ewing Creek	Cumberland River	0.0	Headwaters	3.7	Harlan	Harlan	3.7
Faubush Creek	Lake Cumberland	0.0	Headwaters	2.5	Pulaski	Pulaski	2.5
Flat Creek	Pond River	0.0	Headwaters	10.6	Hopkins	Hopkins	10.6
Flat Lick	Buck Creek	0.0	Headwaters	10.0	Pulaski	Pulaski	10.0
Forester Creek	Cumberland River	0.0	Headwaters	4.9	Harlan	Harlan	4.9
Frozen Creek	North Fork Kentucky River	0.0	Headwaters	14.8	Breathitt	Breathitt	14.8
Fugitt Creek	Clover Fork of Cumberland River	0.0	Headwaters	4.7	Harlan	Harlan	4.7
Gillmore Creek	Red River	0.0	Headwaters	6.0	Wolfe	Wolfe	6.0
Goose Creek	Owens Branch	3.2	Brock Creek	5.6	Casey	Russell	2.4
Green River	Ohio River	0.0	Lock & Dam No. 4	148.0	Henderson	Butler	148.0
Harrods Creek	Ohio River	0.0	Headwaters	31.7	Jefferson	Henry	31.7
Hawk Creek	Rockcastle River	0.0	4.4 miles upstream	4.4	Laurel	Laurel	4.4
Highland Creek	Ohio River	0.0	Headwaters	31.7	Union	Webster	31.7
Hood Creek	Ramey Branch	5.2	Sparks Branch	6.9	Lawrence	Johnson	1.7

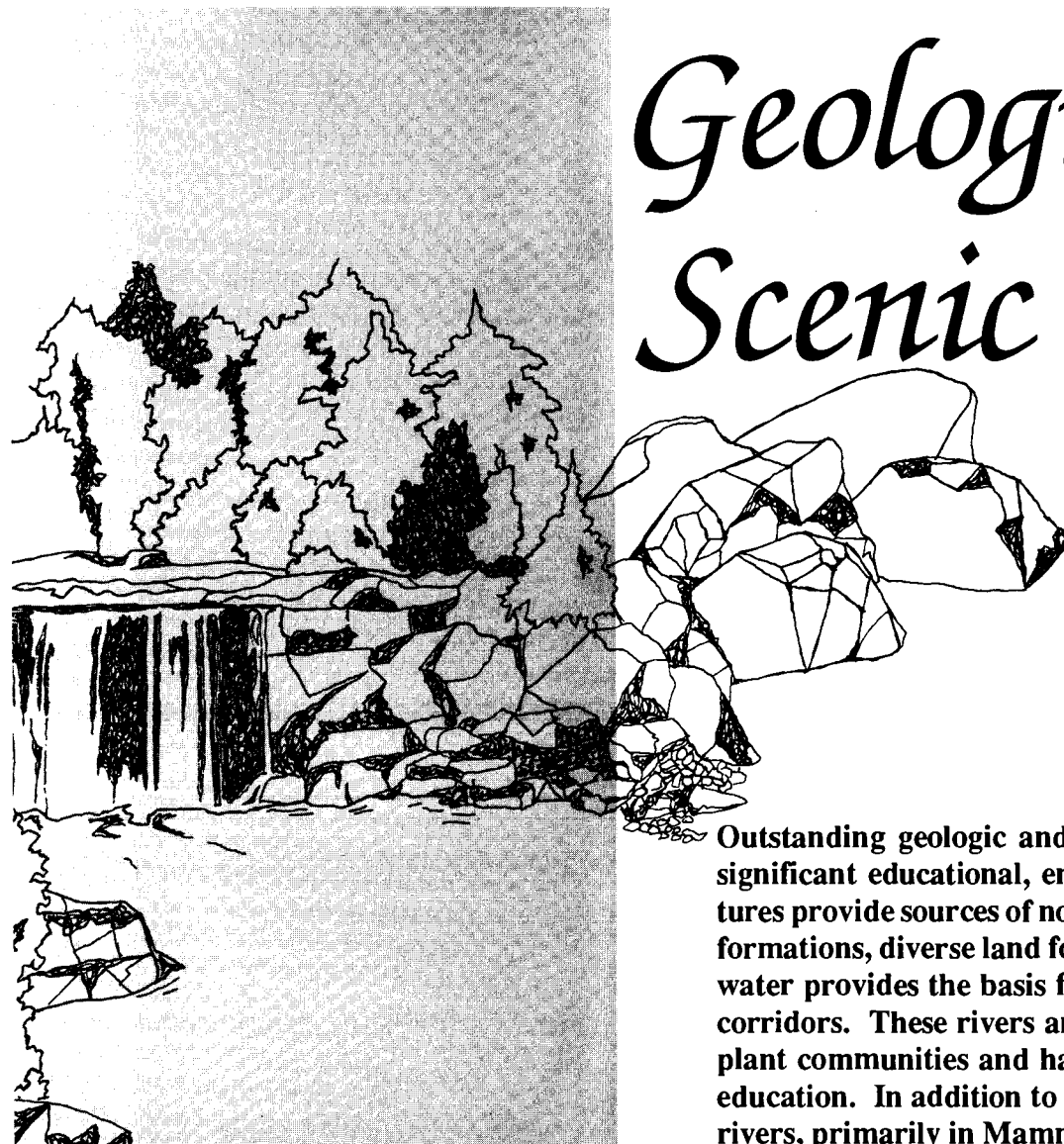
River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
House Fork Creek	Lake Cumberland	0.0	Headwaters	7.8	Pulaski	Pulaski	7.8
Hurricane Creek	Ohio River	0.0	Headwaters	17.7	Crittenden	Crittenden	17.7
Indian Camp Creek	East Prong Creek	3.0	Headwaters	17.8	Butler	Butler	14.8
Indian Creek	Red River	0.0	Headwaters	7.4	Menifee	Menifee	7.4
Indian Creek	Cumberland River	0.0	Headwaters	10.9	Knox	Knox	10.9
Jellico Creek	Cumberland River	0.0	Tennessee State Line	25.1	Whitley	McCreary	25.1
Jennings Creek	Barren River	0.0	Headwaters	6.6	Warren	Warren	6.6
Jenny Creek	Paint Creek	0.0	Headwaters	11.0	Johnson	Johnson	11.0
Johns Creek	Levisa Fork	0.0	Dewey Lake Dam	5.5	Floyd	Floyd	5.5
Johns Creek	Dewey Lake at Buffalo Creek	18.9	Headwaters	63.7	Floyd	Pike	44.8
Jones Creek	West Fork Skeggs Creek	0.0	Headwaters	2.5	Rockcastle	Rockcastle	2.5
Kentucky River	Ohio River	0.0	Beattyville	254.8	Carroll	Lee	254.8
Knox Creek	Tug Fork	0.0	Headwaters	7.6	Pike	Pike	7.6
Lacy Creek	Red River	0.0	Headwaters	6.8	Wolfe	Wolfe	6.8
Laurel Creek	Goose Creek	0.0	Headwaters	6.4	Clay	Clay	6.4
Laurel Fork	Greasy Creek	0.0	Headwaters	10.9	Leslie	Harlan	10.9
Laurel Fork	Quicksand Creek	0.0	Headwaters	15.5	Knott	Knott	15.5
Left Fork Beaver Creek	Beaver Creek	0.0	Headwaters	28.0	Floyd	Floyd	28.0
Levisa Fork	Big Sandy River	0.0	Fishtrap Lake Dam	126.1	Lawrence	Pike	126.1
Little Beaverdam Creek	Green River	0.0	Headwaters	13.0	Edmonson	Warren	13.0
Little Caney Creek	Big Caney Creek	0.0	Headwaters	9.0	Elliott	Elliott	9.0
Little Clifty Creek	Clifty Creek	0.0	Headwaters	5.3	Todd	Todd	5.3
Little Clifty Creek	Rough River Lake	8.0	Headwaters	12.7	Grayson	Grayson	4.7
Little Fork Little Sandy River	Little Sandy River	0.0	Headwaters	34.2	Carter	Elliott	34.2
Little Richland Creek	Richland Creek	0.0	Headwaters	10.4	Knox	Knox	10.4
Little Sexton Creek	Sexton Creek	0.0	Headwaters	7.7	Clay	Jackson	7.7
Little Whippoorwill Creek	Red River	0.0	Pleasant Run	4.2	Logan	Logan	4.2
Livingston Creek	Cumberland River	0.0	Headwaters	27.0	Crittenden	Crittenden	27.0
Looney Creek	Poor Fork Cumberland River	0.0	Headwaters	8.0	Harlan	Harlan	8.0
Lulbegrud Creek	Red River	0.0	Headwaters	22.0	Powell	Clark	22.0
Lynn Camp Creek	Laurel River Lake	0.0	Headwaters	14.7	Whitley	Whitley	14.7
Martins Fork	Clover Fork of Cumberland River	0.0	Martins Fork Dam	15.5	Harlan	Harlan	15.5
McFarland Creek	West Fork Pond River	0.0	Headwaters	10.4	Hopkins	Christian	10.4

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Meeting Creek	Rough River Lake	0.0	Headwaters	17.5	Grayson	Hardin	17.5
Middle Creek	Levisa Fork	0.0	Headwaters	18.0	Floyd	Magoffin	18.0
Middle Fork Little Sandy River	Grayson Lake	0.0	Headwaters	7.3	Elliott	Elliott	7.3
Middle Fork Rockcastle Creek	Rockcastle Creek	0.0	Headwaters	17.1	Martin	Martin	17.1
Middle Fork of Quicksand Creek	Quicksand Creek	0.0	Headwaters	9.9	Knott	Knott	9.9
Montgomery Creek	West Fork Red River	0.0	Headwaters	10.7	Christian	Christian	10.7
Muddy Creek	Green River	0.0	Headwaters	23.6	Butler	Logan	23.6
Newcombe Creek	Grayson Lake	1.0	Headwaters	6.9	Elliott	Elliott	5.9
Ohio River	Wabash River	133.5	Big Sandy River	664.0	Union	Boyd	530.5
Otter Creek	Ohio River	0.0	Headwaters	24.5	Meade	Hardin	24.5
Otter Creek	Lake Cumberland	13.0	Headwaters	27.5	Wayne	Wayne	14.5
Paint Creek	Levisa Fork	0.0	Paintsville Dam	8.0	Johnson	Johnson	8.0
Panther Creek	Green River	0.0	South Fork	22.6	Daviess	Daviess	22.6
Peter Creek	Dry Branch	9.4	Indian Camp Branch	17.0	Barren	Barren	7.6
Pitman Creek	Lake Cumberland	5.5	Headwaters	34.3	Pulaski	Pulaski	28.8
Pointer Creek	Fishing Creek	0.0	Headwaters	7.0	Pulaski	Pulaski	7.0
Pond Creek	Tug Fork	0.0	Headwaters	14.6	Pike	Pike	14.6
Pond River	Green River	0.0	Issacs Creek	22.2	Hopkins	Hopkins	22.2
Pond River	Buck Fork	79.7	Headwaters	101.1	Muhlenberg	Todd	21.4
Porter Creek	Lake Cumberland	1.4	Headwaters	5.0	Pulaski	Pulaski	3.6
Puckett Creek	Poor Fork Cumberland River	0.0	Headwaters	10.4	Harlan	Bell	10.4
Puncheon Creek	Fishing Creek	0.0	Headwaters	4.2	Pulaski	Pulaski	4.2
Quicksand Creek	North Fork Kentucky River	0.0	Headwaters	38.0	Breathitt	Breathitt	38.0
Raven Creek	Long Branch	0.0	Middle Fork Raven Creek	3.8	Harrison	Harrison	3.8
Renfro Creek	Roundstone Creek	0.0	Headwaters	7.2	Rockcastle	Rockcastle	7.2
Richland Creek	Cumberland River	0.0	Headwaters	19.6	Knox	Knox	19.6
Right Fork Beaver Creek	Beaver Creek	0.0	Headwaters	39.0	Knott	Knott	39.0
Roaring Paunch Creek	Big South Fork	0.0	Tennessee State Line	15.7	McCreary	McCreary	15.7
Rock Creek	Nolin Lake	10.7	Headwaters	14.2	Grayson	Grayson	3.5
Rock Lick Creek	South Fork Station Camp Creek	0.0	Headwaters	9.2	Jackson	Jackson	9.2
Rock Lick Creek	Fishing Creek	0.0	Headwaters	9.0	Pulaski	Pulaski	9.0
Rockcastle Creek	Tug Fork	0.0	Headwaters	16.7	Lawrence	Martin	16.7
Rockhouse Creek	Licking River	0.0	Headwaters	8.5	Morgan	Magoffin	8.5

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Rockhouse Creek	North Fork Kentucky River	0.0	Headwaters	24.3	Letcher	Letcher	24.3
Rocky Creek	Mud River	0.0	Lake Malone Dam	15.2	Muhlenberg	Muhlenberg	15.2
Ross Creek	Kentucky River	0.0	Headwaters	7.2	Lee	Lee	7.2
Rough River	Mistaken Creek	72.4	Rough River Lake Dam	89.4	Grayson	Breckinridge	17.0
Rough River	Rough River Lake	133.8	2 miles above Pierce Mill Bridge	138.8	Hardin	Hardin	5.0
Round Stone Creek	Nolin River	5.5	Headwaters	14.4	Hart	Hart	8.9
Sandlick Creek	Tradewater River	0.0	Headwaters	9.0	Christian	Christian	9.0
Sellers Ditch	Canoe Creek	0.0	Canoe Creek	1.2	Henderson	Henderson	1.2
Shelby Creek	Levisa Fork	0.0	Headwaters	27.3	Pike	Letcher	27.3
Sinking Creek	Rockcastle River	0.0	Headwaters	20.4	Laurel	Laurel	20.4
Sinking Creek	Big South Fork	0.0	Headwaters	39.8	Wayne	Wayne	39.8
Sinking Creek	Boiling Springs	15.8	Ky 60	26.7	Breckinridge	Breckinridge	10.9
Skegg Creek	Rockcastle River	0.0	Headwaters	11.0	Rockcastle	Rockcastle	11.0
Skinframe Creek	Livingston Creek	0.0	Horseapple Creek	4.8	Lyon	Lyon	4.8
Spring Creek	Dale Hollow Lake	1.9	Headwaters	11.2	Clinton	Clinton	9.3
Stillwater Creek	Red River	0.0	Headwaters	10.3	Wolfe	Wolfe	10.3
Stinking Creek	Cumberland River	0.0	Headwaters	18.8	Knox	Knox	18.8
Sugar Creek	Tradewater River	0.0	Headwaters	2.7	Christian	Christian	2.7
Sulphur Spring Creek	River Mile 2.7	2.7	Neely Branch	6.9	Simpson	Simpson	4.2
Town Creek	Ohio River	0.0	Headwaters	5.8	Breckinridge	Breckinridge	5.8
Tradewater River	Ohio River	0.0	Headwaters	131.2	Crittenden	Christian	131.2
Troublesome Creek	North Fork Kentucky River	0.0	Headwaters	49.5	Breathitt	Knott	49.5
Tug Fork	Big Sandy River	0.0	Virginia State Line	94.0	Lawrence	Pike	94.0
Walkers Creek	North Fork Kentucky River	0.0	Headwaters	8.0	Lee	Wolfe	8.0
Wallins Creek	Poor Fork Cumberland River	0.0	Headwaters	6.2	Harlan	Harlan	6.2
Watts Creek	Cumberland River	0.0	Headwaters	12.4	Harlan	Harlan	12.4
Welch Creek	Green River	0.0	Headwaters	19.1	Butler	Butler	19.1
West Fork Pond River	Pond River	0.0	Headwaters	27.0	Christian	Christian	27.0
White Oak Creek	Licking River	0.0	Right & Left Forks	1.4	Morgan	Magoffin	1.4
White Oak Creek	Sinking Creek	0.0	Headwaters	4.0	Laurel	Laurel	4.0
White Oak Creek	Lake Cumberland	6.1	Headwaters	16.5	Pulaski	Pulaski	10.4
Williams Creek	Elk Fork	0.0	Headwaters	9.1	Morgan	Morgan	9.1

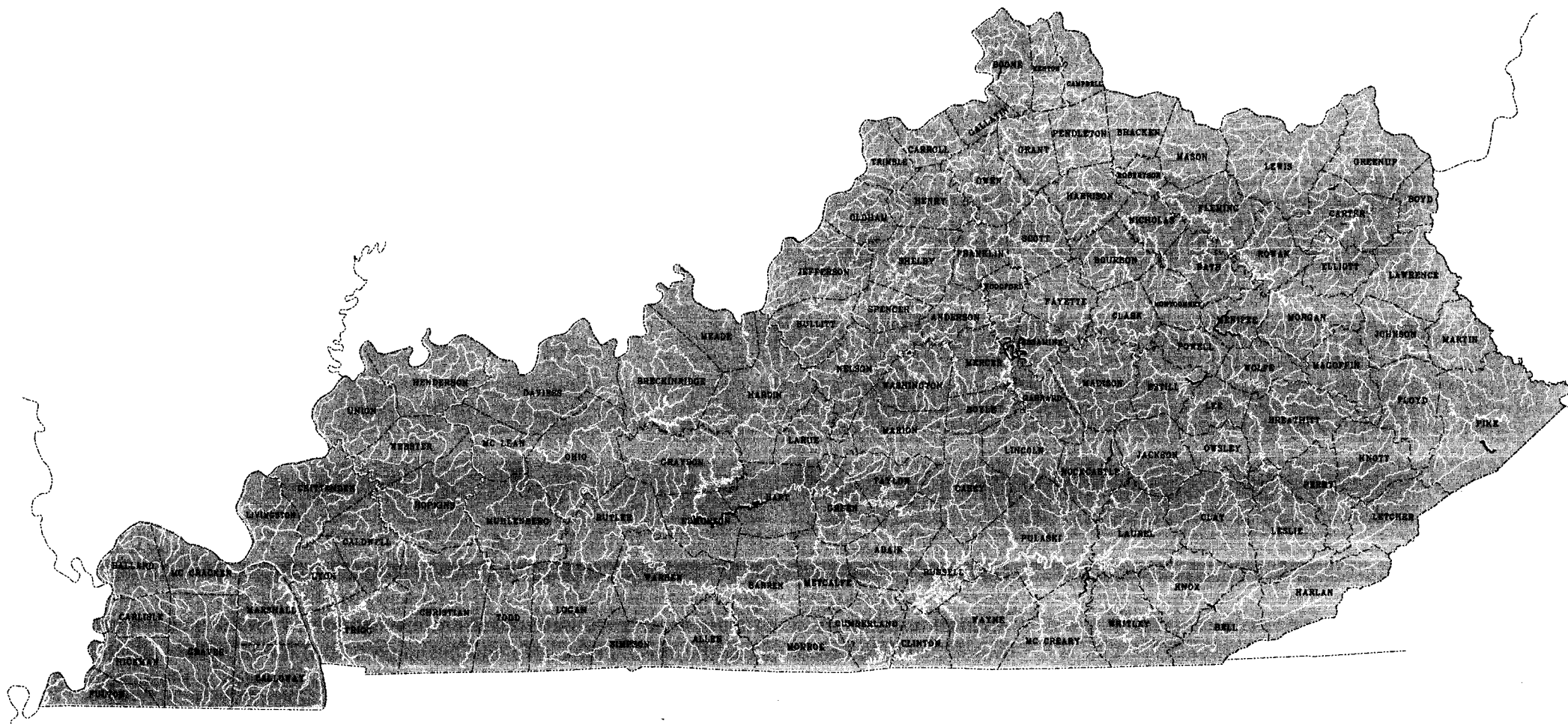
River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Wolf Creek	Big South Fork	0.0	Headwaters	9.4	McCreary	McCreary	9.4
Wolf Creek	Tug Fork	0.0	Headwaters	20.5	Martin	Martin	20.5
Wolf Creek	Lake Cumberland	11.4	Headwaters	20.5	Pulaski	Pulaski	9.1
Wood Creek	Wood Creek Reservoir	12.3	Headwaters	17.5	Laurel	Laurel	5.2
Yellowbank Creek	Ohio River	0.0	Headwaters	11.3	Breckinridge	Breckinridge	11.3

Geologic and Scenic Features



Outstanding geologic and scenic riverine features located throughout Kentucky provide significant educational, environmental, recreational, and economic values. Geologic features provide sources of non-renewable resources and demonstrate geologic processes. Rock formations, diverse land forms, a variety of vegetative patterns and the dynamic presence of water provides the basis for the spectacular scenery that makes up these dramatic stream corridors. These rivers and adjacent corridors support a wide variety of fish, wildlife and plant communities and have unique settings for recreational activities and environmental education. In addition to surficial geologic features, Kentucky has numerous underground rivers, primarily in Mammoth Cave National Park, that are a valuable natural resource.

Geologic Feature Study Rivers



GEOLOGIC FEATURES

Geologic features are defined as those features that demonstrate geologic processes and provide for the interpretation of the earth's history. Such features as gorges, faults, waterfalls, fossils, caves and rock formations have been identified as significant because they provide the basis for the highly scenic and unique environments found along river corridors throughout Kentucky.

EVALUATION METHODOLOGY

The geologic values of a river are dependent upon the diversity and abundance of features. River segments with the greatest variety and number of these features provide the greatest values including scenic quality, environmental education potential, diversity of plant and animal species, and recreational opportunities.

To be included in the evaluation process, each river selected was required to meet the following **minimum standard:**

- occurrence of unique geologic features such as waterfalls, cascades, gorges, river terraces, and meander scars, or mineral springs

The geologic quality of each study river was determined by evaluating the diversity and abundance of gorges, faults, waterfalls, fossils, caves, and rock formations. The area subject to evaluation included the river and a corridor extending 2,000 feet outward from each river bank. The evaluation process consisted of a numerical point system for determining the overall value. Geologic features occurring along the study rivers were evaluated and assigned numeric scores for each feature. The scores for all features occurring within a study segment were totaled, and each river assigned a value class based on overall score. It should be noted that a short river segment may receive a low score yet have an extremely significant resource. Numeric scores used for each feature were 30 points (high), 20 points (medium), 10 points (low) or 0 points (lack of occurrence). The scores for each study river were assigned according to the following descriptions.

Gorges (height of gorge from river bed to cliff line)

400 feet and greater	30 points
200 to 399 feet	20 points
100 to 199 feet	10 points

Faults (measure of displacement)

20 feet and greater	30 points
5 to 19 feet	20 points
less than 5 feet	10 points

Waterfalls (height, width and flow characteristics)

substantial	30 points
moderate	20 points
small	10 points

Fossils (abundance)

abundant	30 points
moderate	20 points
minimal	10 points

Caves (abundance)

abundant	30 points
moderate	20 points
minimal	10 points

Rock Formations (arches, chimneys, and rock types)

abundant	30 points
moderate	20 points
minimal	10 points

Each river was assigned a value class based on the overall score of its features. The value class rankings are:

Class 160 points or greater

Class 230 - 59 points

Class 3Less than 30 points

FINDINGS

A total of 23 segments (1.7% of the rivers studied in the assessment) covering 165.2 miles (0.4% of the total miles studied in the assessment) were evaluated in the Geologic Subcategory. Segments ranged in length from 1.0 mile (Yahoo Creek) to 43.2 miles (Green River), averaging 7.2 miles.

The majority of the geologic rivers identified in the assessment are located in eastern and west-central Kentucky. These areas of the state contain an abundance of waterfalls, gorges, caves, and rock features.

The highest ranking geologic rivers are the Kentucky, Echo, Hawkins, and Logsdon rivers. The Kentucky River segment includes the palisades, a deep 500- to 600-foot gorge with exceptional rock formations. The Echo, Logsdon, and Hawkins

rivers are an integral part of the Mammoth Cave system, the world's longest cave system. These subterranean rivers contain karst features such as vertical shafts, pits and domes, chimneys, and natural wells. They also have riffles, pools, cascades, and waterfalls.

Six rivers covering 49 miles were identified as Class 1 geologic rivers. They ranged in length from 2.2 miles to 22.1 miles, averaging 8.2 miles. Three of the six rivers--Echo, Hawkins, and Logsdon--are underground rivers located in or adjacent to Mammoth Cave National Park. Table 14 lists significant features attributed to each of the Class 1 rivers.

Table 14. Features of Class 1 Geologic Rivers

River Segment	Geologic Feature
Clifty Creek	Waterfalls, Fossils, Gorge
Echo River	Waterfalls, Caves, Rock Features
Hawkins River	Waterfalls, Caves, Rock Features
Kentucky River	Faults, Gorge, Rock Features
Logsdon River	Waterfalls, Caves, Rock Features
Russell Fork	Faults, Gorge

Ten rivers covering 91.2 miles were identified as Class 2 rivers. Class 2 rivers ranged in length from 1.5 to 43.2 miles, averaging 9.1 miles. Most of these rivers are located in eastern Kentucky. Table 15 lists significant features attributed to each of the Class 2 geologic rivers.

Table 15. Features of Class 2 Geologic Rivers

River Segment	Geologic Feature
Big Bone Creek	Fossils
Cave Branch	Caves, Rock Features
Crooked Creek	Caves
Cumberland River (McCreary)	Waterfalls
Cumberland River (Bell)	Fault
Green River	Caves
Ison Creek	Rock Features
Ohio River	Fossils
Red River	Rock Features
Tygarts Creek	Gorge, Caves, Rock Features

Seven rivers covering 25 miles were identified as Class 3 rivers. Class 3 rivers ranged in length from 1.0 to 8 miles, averaging 3.6 miles. The majority of these are located in eastern Ken-

tucky. Table 16 lists significant features attributed to each of the Class 3 geologic rivers.

Table 16. Features of Class 3 Geologic Rivers

River Segment	Geologic Feature
Big Sinking Creek	Caves
Cave Hollow Creek	Caves
Dix River	Gorge
East Fork Indian Creek	Caves
Jessamine Creek	Gorge
Mississippi River	Rock Features
Yahoo Creek	Waterfalls

Table 17. Summary of Geologic Resource Evaluations

	Class 1	Class 2	Class 3	Total
Number of Segments	6	10	7	23
Miles	49	91.2	25	165.2

SOURCES OF INFORMATION

Karan, P.P. and Cotton Mather, eds. *Atlas of Kentucky*, University of Kentucky Press, Lexington, Kentucky, 1977.

Kentucky Department for Natural Resources and Environmental Protection, *Wild Rivers: Kentucky Wild Rivers Statewide Management Plan*, 1979.

McFarlan, A.C., *Behind the Scenery in Kentucky*, Kentucky Geological Survey, Series IX, Special Publication No. 10, 1958.

McFarlan, A.C., *Geology of Kentucky*, University of Kentucky, Lexington, Kentucky, 1961.

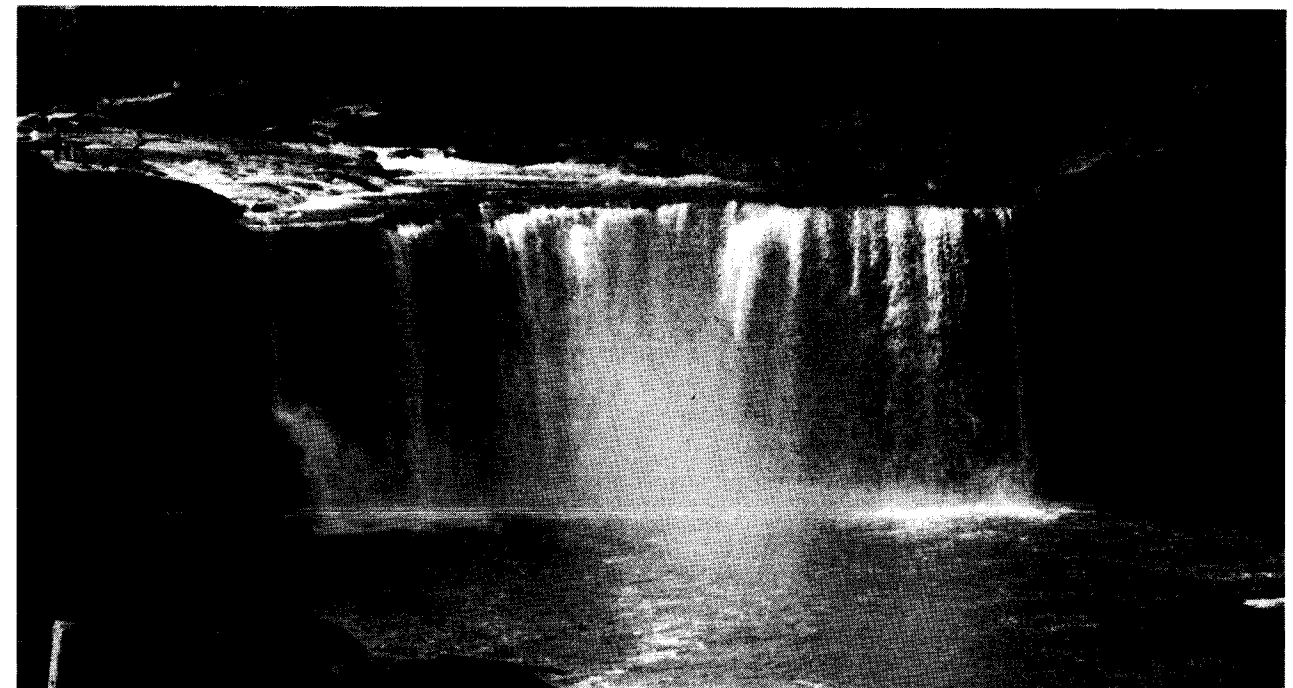
McGrain, Preston, *Geology of the Cumberland Falls State Park Area*, Kentucky Geological Survey, Series X, Special Publication 11, 1966.

McGrain, Preston, *Geology of the Carter and Cascade Caves Area*, Kentucky Geological Survey, Series X, Special Publication 12, 1966.

McGrain, Preston, *Scenic Geology of Pine Mountain in Kentucky*, Kentucky Geological Survey, Series X, Special Publication 24, 1975.

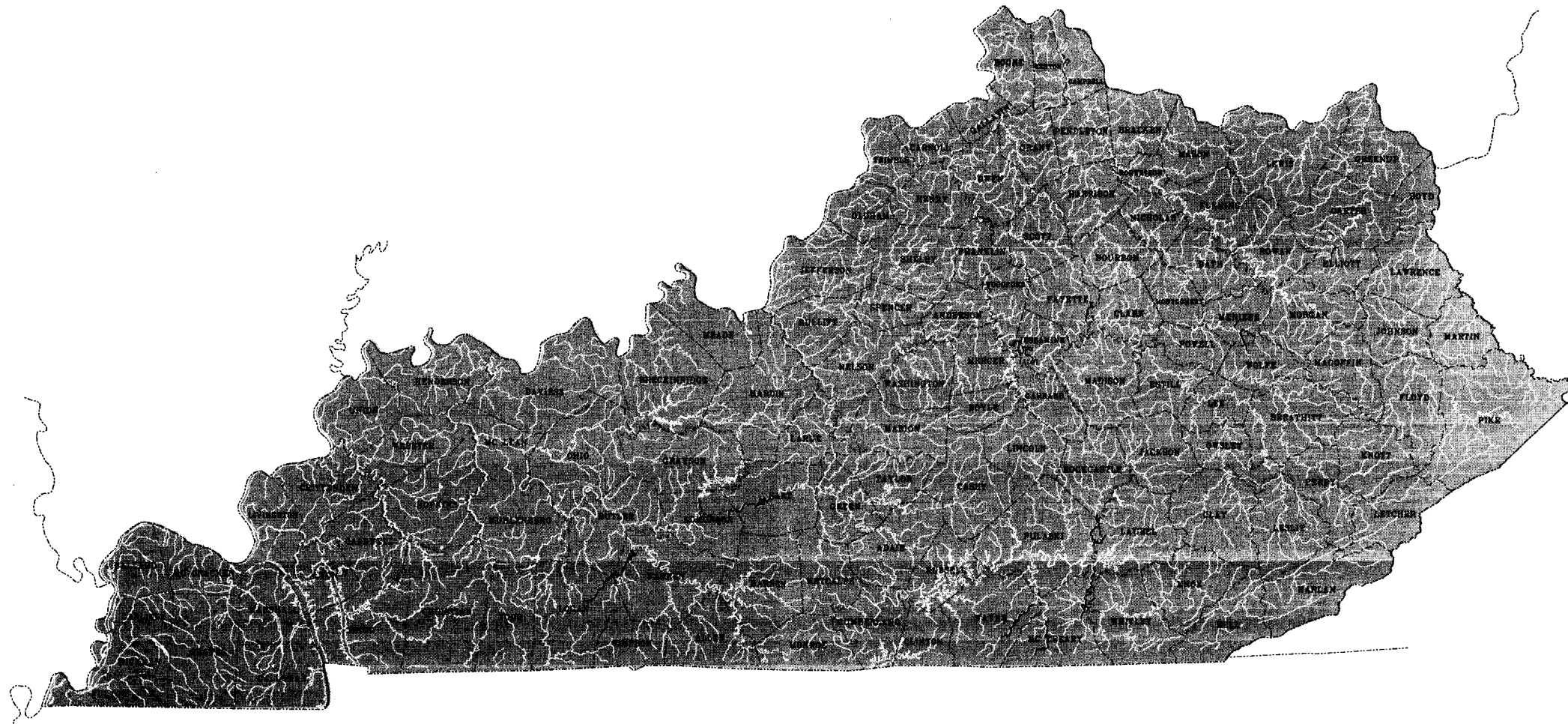
Sehlinger, Robert, *A Canoeing and Kayaking Guide to the Streams of Kentucky*, Thomas Press, Ann Arbor, Michigan, 1978.

Cumberland Falls



Scott Hankla

Scenic Feature Study Rivers



SCENIC FEATURES

The scenic quality of a river and its corridor are a function of the diversity, frequency, and unique characteristics of various natural and cultural components. Scenic landscape values can be defined based on the relationship among these various components. In general, variety and contrast are positive values of landscape composition within a river corridor - the greater the variety and contrast of landscape components, the higher the scenic value. Those landscapes with the most variety and contrast in terms of land forms, rock formations, vegetative patterns, and water form; the most dramatic corridor enclosure; and a high degree of water clarity have the greatest potential for high scenic value.

EVALUATION METHODOLOGY

Rivers and river segments that met specific minimum standards were evaluated for scenic quality values. Each study segment met all of the following **minimum standards**:

- minimum length of approximately five miles or head-water stream of any length
- free of significant impoundments, hydrologic modifications or diversions

- predominantly unaltered river corridor with a high degree of diversity

The scenic quality of each study river was determined by evaluating landscape diversity, corridor width, and water clarity. The relative degree of scenic quality was based on the diversity of landscape shapes and patterns, degree of enclosure, and clarity of water. The area evaluated included the river and a corridor extending 2,000 feet outward from each river bank. Even though the defined corridor does not always include the entire viewed area, it does encompass the foreground where landscape details are most discernable and prominent. The evaluation criteria are defined as follows:

- **Landscape diversity**--The amount of diversity (variety) is a measure of scenic value in a particular landscape. The scenic value of a river corridor will be enhanced when there is a diversity of land forms, rock formations, vegetative patterns and water form.
- **Corridor width**--The width of a river corridor relative to its relief or the amount of enclosure has a substantial effect on scenic quality. Narrow corridors enclosed by high, steeply sloping land forms have significant scenic values.
- **Water clarity**--The presence and visual clarity of water is a significant factor in determining scenic quality. An abundant supply of clear water significantly enhances scenic values.

The evaluation of scenic quality was conducted at a regional landscape level reflecting the three physiographic provinces of Kentucky - coastal plain, interior low plateau, and appalachian plateau. Study rivers were assigned to that province where the majority of the river reach was located and, subsequently, evaluated relative to all study rivers within that province. Rivers occurring in different provinces were not compared to one another due to significant variations in landscape character.

The landscape characteristics of these physiographic provinces are defined by Nevin M. Fenneman in *Physiography of Eastern United States*, 1938, and are described as follows:

Coastal Plain--area located in extreme western Kentucky ranging from alluvian lowlands of the Mississippi River to gently rolling hills and broad natural grasslands; elevations up to 600 feet.

Interior Low Plateau--area in central and western Kentucky ranging from the hills of the western coal fields south of Owensboro to the karst topography of cave country around Bowling Green to the gently rolling bluegrass area of Lexington; elevations from 500 to 1,400 feet.

Appalachian Plateau--area in eastern Kentucky ranging from hilly to ruggedly mountainous terrain; elevations from 2,000 to more than 4,000 feet.

The evaluation of scenic quality at the regional landscape level is appropriate for planning purposes as well as addressing management issues. Such an evaluation applies not as much to a single study river but as a relative comparison of rivers within each physiographic province. This approach confirms that the visual characteristics of a river have a regional quality and that the most significant study rivers are those that have retained a substantial amount of their native character.

The evaluation process used to rank the scenic quality of the study rivers consisted of a point system for determining the overall value. Each study segment was evaluated on the basis of existing data (see references) that characterized one or more of the criteria. A score was then assigned to each of the three criteria--30 points (high), 20 points (medium), 10 points (low) or 0 points (unknown). The scores were generally assigned according to the following descriptions for landscape diversity, corridor width, and water clarity in each of the three physiographic provinces.

Coastal Plain Physiographic Province

Distinctive 30 points
 moderately steep slopes (more than 30 percent); large, widely meandering rivers; entrenched rivers; generally silt-laden

Common 20 points
 gently rolling topography (10-30 percent slopes); rock formations generally absent; moderate; meandering rivers and streams; moderately entrenched rivers; silt-laden

Minimal 10 points
 generally flat terrain (less than 10 percent slopes); topography secondary to other features; rock formations absent; uniform vegetative patterns; small intermittent streams; little or no corridor definition; little or no flow; silt-laden

Interior Plateau Physiographic Province

Distinctive 30 points
 sharply dissected ridges with steep slopes (more than 35 percent); dominant land forms; unusual, dominant rock formations; highly diverse plant species; large,

widely meandering rivers; rapids and waterfalls deeply entrenched rivers; steep slopes from river edge; steeply cut banks; generally silt-laden; occasionally clear

Common 20 points
 moderately dissected ridges (15-35 percent slopes); prominent rock features; wide variety of trees and shrubs; moderately meandering rivers; moderately entrenched rivers; moderately cut banks; often silt-laden

Minimal 10 points
 generally flat to rolling terrain (less than 15 percent slopes); topography secondary to other features; rock formations absent; uniform vegetative patterns; small intermittent streams; little or no corridor definition; extreme turbidity

Appalachian Plateau Physiographic Province

Distinctive 30 points
 very sharply dissected ridges with very steep slopes (60-90 percent); unusual, dominant rock formations; outstanding plant diversity; unusual hydrologic features (cascades, waterfalls, meanders); very deeply defined river corridors; clear; rarely silt-laden

Common 20 points
 moderately dissected ridges (30-60 percent slopes); rock formations present but not dominant features; wide variety of vegetation; rivers with common meandering and flow characteristics; moderately entrenched rivers; moderately steep slopes; water clear much of year; silt-laden part of year

Minimal 10 points
 generally rolling terrain (less than 30 percent slopes); topography subordinate to other features; rock formations absent; uniform vegetative patterns; small intermittent or perennial streams; little or no meanders; little or no corridor definition; often turbid

The point scores for all criteria were totaled, and each river assigned a value class based on overall score according to the following values:

- Class 180 points or greater
- Class 265 - 79 points
- Class 3Less than 65 points

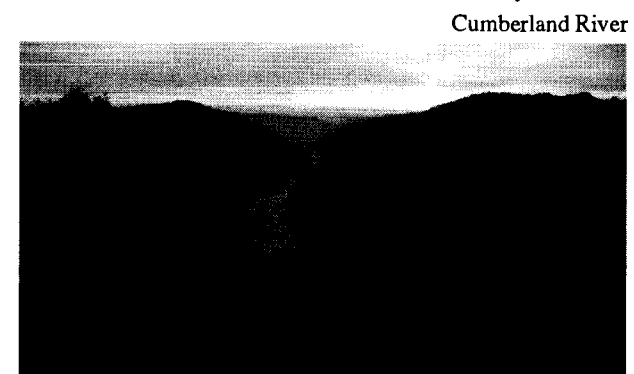
For some study segments, there was insufficient information to rate one or more evaluation criteria. These river segments were ranked according to overall score based on the numerical

ranking of criteria for which sufficient information existed but have been so identified. These study rivers are recognized as having scenic quality that require further research and documentation.

FINDINGS

A total of 20 segments (1.5% of the rivers studied in the assessment) covering 268.6 miles (0.7% of the total miles studied in the assessment) were evaluated in the scenic features subcategory. Segments ranged in length from 3.8 miles (Cumberland River) to 40.7 miles (Green River), averaging 13.4 miles.

Four rivers covering 27.1 miles were identified as Class 1 scenic rivers. They ranged in length from 3.9 to 10 miles, averaging 6.8 miles. Class 1 rivers are located in eastern Kentucky. Table



Scott Hankla

18 lists significant features attributed to Class 1 scenic rivers.

Table 18. Features of Class 1 Scenic Rivers

River Segment	Scenic Feature
Cane Creek	Land, rock, and water forms; gorge
Lower Troublesome Creek	Land, rock, and water forms; gorge
Red River	Land, rock, and water forms; gorge
Swift Camp Creek	Land, rock, and water forms; gorge

Twelve rivers covering 149.4 miles were identified as Class 2 scenic rivers. Class 2 rivers ranged in length from 3.8 to 37.3 miles, averaging 12.4 miles. The majority of the rivers are located in eastern Kentucky. Table 19 lists those significant features attributed to Class 2 scenic rivers.

Table 19. Features of Class 2 Scenic Rivers

River Segment	Scenic Feature
Big South Fork	Rock and water forms
Boone Creek	Land, rock and water forms; gorge
Chimney Top Creek	Land and rock forms; vegetative diversity
Cumberland River	Land, rock and water forms
Elkhorn Creek	Land, rock and water forms
Gasper River	Rock and water forms; gorge
Gladie Creek	Land and rock forms; vegetative diversity
Kentucky River	Exposed rock palisades
Little Sandy River	Land, rock and water forms; vegetative diversity
Marsh Creek	Land and rock forms; vegetative diversity; deep gorge
Nolin River	Land and rock forms
Rockcastle River	Land, rock, and water forms; deep corridor

Four rivers covering 92.1 miles were identified as Class 3 rivers. Class 3 rivers ranged in length from 11.5 to 40.7 miles, averaging 23 miles. Class 3 rivers are distributed throughout the state. Table 20 lists the significant features attributed to Class 3 scenic rivers.

Table 20. Features of Class 3 Scenic Rivers

River Segment	Scenic Feature
Bayou de Chien	Little corridor definition
Cumberland River	Common landform
Green River	Common landform; moderately entrenched
Little South Fork	Rock forms; high-quality water

Table 21. Summary of Scenic Feature Evaluations

	Class 1	Class 2	Class 3	Total
Number of Segments	4	12	4	20
Miles	27.1	149.4	92.1	268.6

SOURCES OF INFORMATION

Karan, P.P. and Cotton Mather, eds. *Atlas of Kentucky*, University of Kentucky Press, Lexington, Kentucky, 1977.

Kentucky Department for Natural Resources and Environmental Protection, *Wild Rivers: Kentucky Wild Rivers Statewide Management Plan*, 1979.

Sehlinger, Robert, *A Canoeing and Kayaking Guide to the Streams of Kentucky*, Thomas Press, Ann Arbor, Michigan, 1978.

U.S. Department of Agriculture, Forest Service, Unpublished Scenic Quality Inventory of Daniel Boone National Forest on U.S. Geological Survey Topographic Maps, Winchester, Kentucky, 1989.

Dog Slaughter Falls



Fred Kirchhoff

GEOLOGIC FEATURES -- CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Clifty Creek	Copper Spring Branch	11.0	Sulfur Lick Creek	13.2	Logan	Todd	2.2
Echo River	Green River at Echo River Spring	0.0	East Bndry Mammoth Cave National Park	4.0	Edmonson	Edmonson	4.0
Hawkins River	Green River at Turnhole Bend Spring	0.0	Park City (Southwest)	8.0	Edmonson	Barren	8.0
Kentucky River	Ky 68	113.2	Hickman Creek	135.3	Jessamine	Jessamine	22.1
Logsdon River	Hawkins River	0.0	East of Roppel Cave near Cave City	4.0	Edmonson	Barren	4.0
Russell Fork	Pond Creek	7.3	Virginia State Line	16.0	Pike	Pike	8.7

GEOLOGIC FEATURES -- CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Big Bone Creek	Ohio River	0.0	Headwaters	11.5	Boone	Boone	11.5
Cave Branch	Tygarts Creek	0.0	Headwaters	3.0	Carter	Carter	3.0
Crooked Creek	Roundstone Creek	0.0	Cooksburg, Ky	7.9	Rockcastle	Rockcastle	7.9
Cumberland River	State Wild River Boundry	558.6	Ky 90	562.6	McCreary	McCreary	4.0
Cumberland River	River Mile 653	653.0	Clear Creek	656.3	Bell	Bell	3.3
Green River	West Boundary Mammoth Cave National Park	182.7	Munfordville, Ky	225.9	Edmonson	Hart	43.2
Ison Creek	Little Fork of Little Sandy River	0.0	Headwaters	4.4	Elliott	Elliott	4.4
Ohio River	McAlpine Dam	375.5	Connrail Bridge	377.0	Jefferson	Jefferson	1.5
Red River	Indian Creek	49.0	Ky 715	59.4	Powell	Wolfe	10.4
Tygarts Creek	Ky 182	65.3	Carter Cave State Park West Boundary	67.3	Carter	Carter	2.0

GEOLOGIC FEATURES -- CLASS 3 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Big Sinking Creek	Millers Creek	0.0	Caves Fork	8.0	Lee	Lee	8.0
Cave Hollow Creek	Big Sinking Creek	0.0	Headwaters	1.5	Lee	Lee	1.5
Dix River	Kentucky River	0.0	Dix Dam	3.0	Garrard	Garrard	3.0
East Fork Indian Creek	Indian Creek	0.0	Morgan Hollow	5.0	Menifee	Menifee	5.0
Jessamine Creek	Kentucky River	0.0	Ky 1268	5.5	Jessamine	Jessamine	5.5
Mississippi River	Ky 80	936.7	Columbus-Belmont State Park North Boundry	937.7	Hickman	Hickman	1.0
Yahoo Creek	Big South Fork	0.0	1 mile above mouth	1.0	McCreary	McCreary	1.0

SCENIC FEATURES -- CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Cane Creek	Rockcastle River	0.0	Grassy Branch	4.1	Laurel	Laurel	4.1
Lower Troublesome Creek	Rockcastle River	0.0	Headwaters	3.9	Pulaski	Pulaski	3.9
Red River	Swift Camp Creek	59.5	Ky 746	68.6	Wolfe	Wolfe	9.1
Swift Camp Creek	Red River	0.0	Rock Bridge	10.0	Wolfe	Wolfe	10.0

SCENIC FEATURES -- CLASS 2 RIVERS

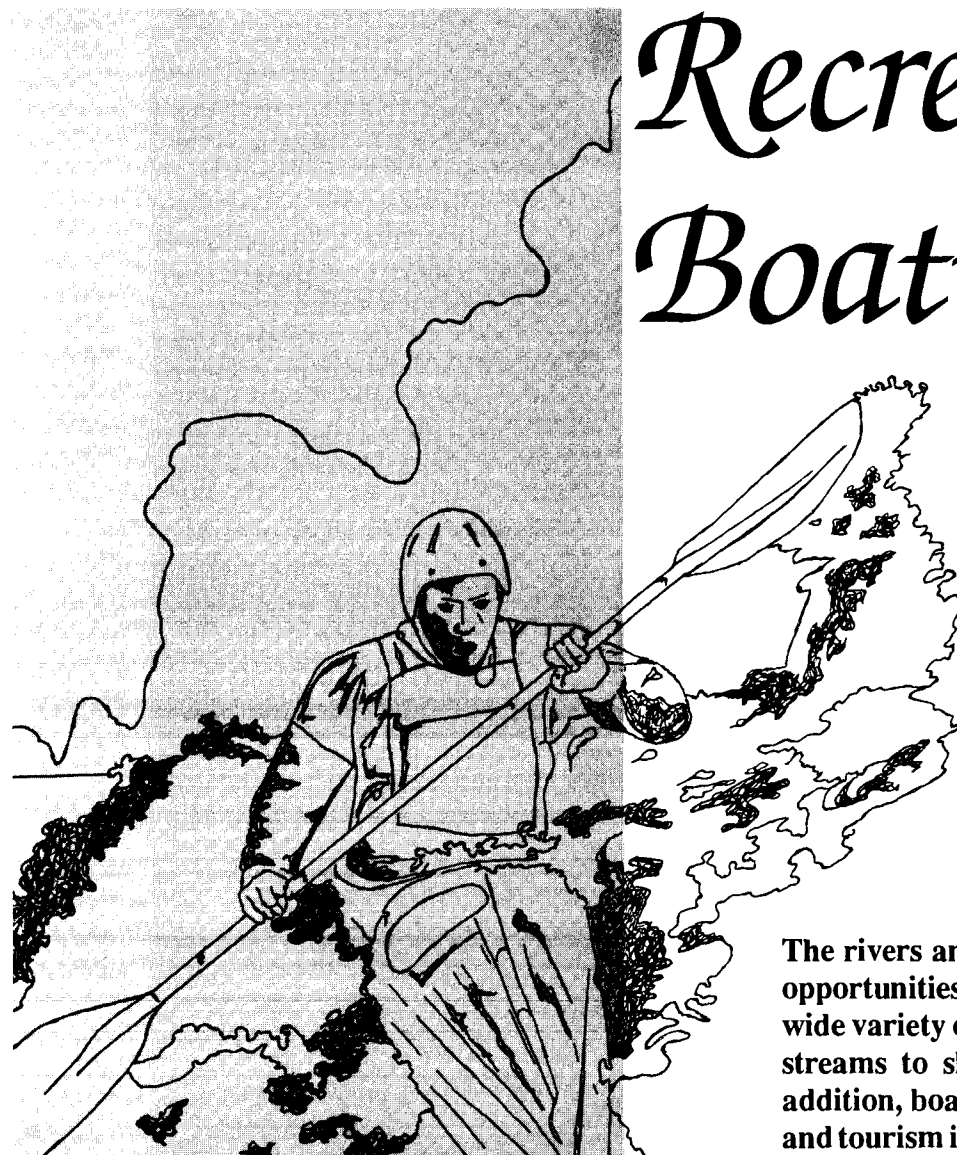
River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Big South Fork Cumberland R.	Ky 92	40.3	Tennessee State Line	55.2	McCreary	McCreary	14.9
Boone Creek	Kentucky River	0.0	Ky 418	6.5	Clark	Clark	6.5
Chimney Top Creek	Red River	0.0	Headwaters	5.0	Wolfe	Wolfe	5.0
Cumberland River	Lake Cumberland	558.5	Cumberland Falls	562.3	McCreary	McCreary	3.8

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Elkhorn Creek	Kentucky River	0.0	Forks of Elkhorn	17.8	Franklin	Franklin	17.8
Gasper River	Barren River	0.0	Ky 103	37.3	Warren	Logan	37.3
Gladie Creek	Red River	0.0	Headwaters	7.2	Menifee	Menifee	7.2
Kentucky River	Lock & Dam No. 7	117.0	Lock & Dam No. 8	139.9	Jessamine	Jessamine	22.9
Little Sandy River	Grayson Lake at Middle Fork	70.8	Ky 7 at Sandy Hook, Ky	76.0	Elliott	Elliott	5.2
Marsh Creek	Cumberland River	0.0	Ky 679	7.1	McCreary	McCreary	7.1
Nolin River	Green River	0.0	Nolin Lake Dam	8.1	Edmonson	Edmonson	8.1
Rockcastle River	Lake Cumberland	8.5	Ky 80	22.1	Laurel	Laurel	13.6

SCENIC FEATURES -- CLASS 3 RIVERS

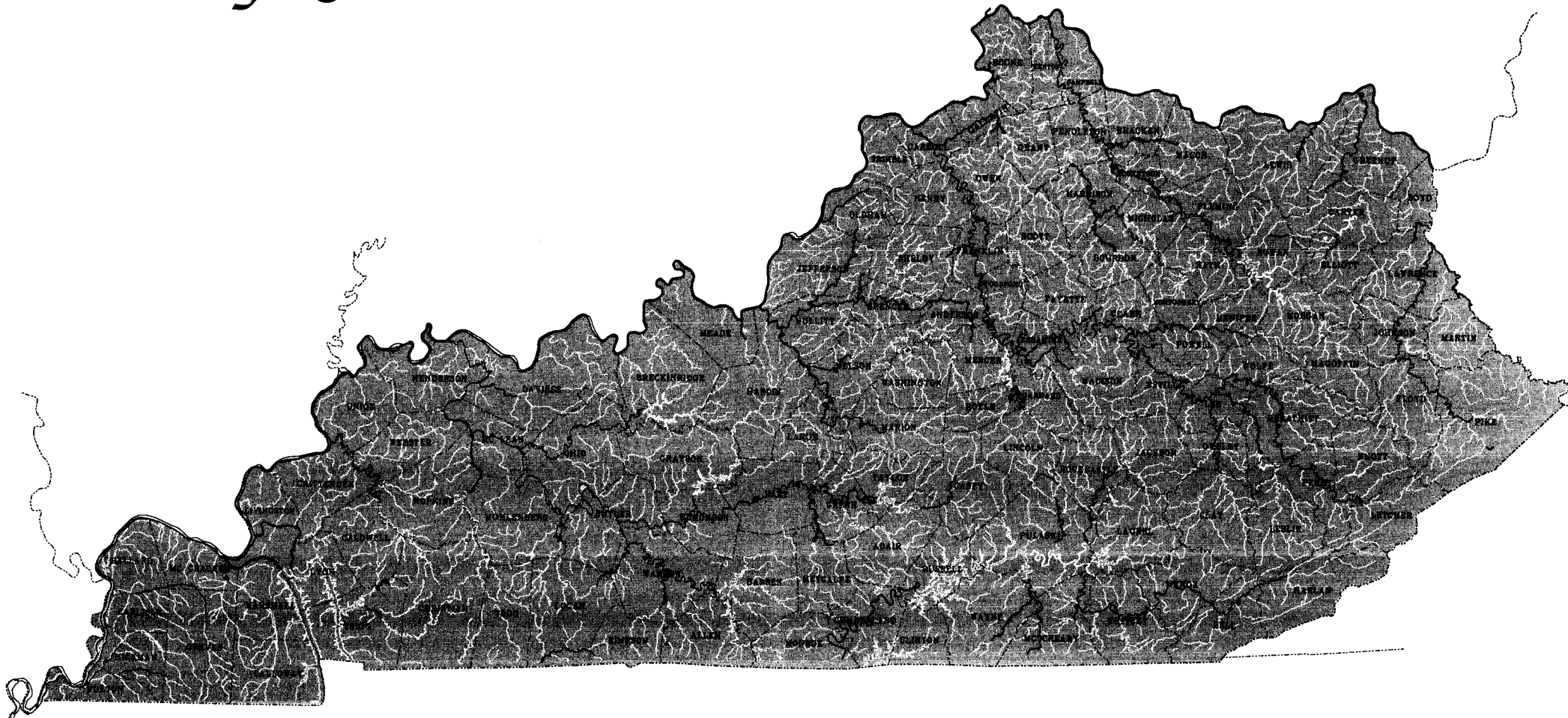
River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Bayou de Chien	Ky 239	11.2	Ky 1283	22.7	Hickman	Hickman	11.5
Cumberland River	Cumberland Falls	562.3	Jellico Creek	574.8	McCreary	Whitley	12.5
Green River	Houchins Ferry	185.2	Munfordville, Ky	225.9	Edmonson	Hart	40.7
Little South Fork Cumberland R	Lake Cumberland	4.1	Parmleysville	31.5	McCreary	Wayne	27.4

Recreational Boating



The rivers and streams of Kentucky have long been the source of many recreational opportunities for residents and visitors. River environments are the focal point for a wide variety of activities, particularly boating. The diversity of rivers--swift mountain streams to slow, winding rivers--provides a wide range of boating activities. In addition, boating opportunities are a significant component of Kentucky's recreation and tourism industry, providing substantial contributions to local and state economies.

Recreational Boating Study Rivers



EVALUATION METHODOLOGY

Rivers and streams that provide opportunities for one or more boating activities were evaluated to determine those most significant for one of four subcategories of recreational boating--flatwater, whitewater, power, or backcountry boating. Each study segment included within the recreational boating category met one of the following **minimum standards:**

- recognition as a prominent river recreation area by a publication or a statewide recreation organization
- existing or potential use for canoeing, kayaking, rowing, or motorized boating

Each river segment with significant opportunities for boating was evaluated by established criteria in the appropriate boating subcategory. Study rivers best suited for a particular type of boating use were ranked the highest. In numerous cases, river segments were evaluated and ranked in more than one boating subcategory.

River segments were evaluated according to specific criteria established for each type of boating opportunity. Numeric scores were assigned for each criterion. The scores for all criteria were

totalled, and an overall score assigned to the river segment. The scores were then compared to a range of numeric values to determine class ranking. The criteria and score for each boating subcategory are identified below.

Flatwater Boating

Navigability: sufficient depth and free of obstructions	30 points
Water Quality: clarity and lack of visual pollution	30 points
Scenic Quality: type and diversity of landforms and vegetative forms	20 points
Access: number and quality of access points	20 points

Each flatwater boating study river was assigned a value class based on the overall score. The value class rankings are:

- Class 1**80 - 100 points
- Class 2**60 - 79 points
- Class 3**Less than 60 points

Whitewater Boating

Water Character: range of water classes, gradient, and percentage of rapids	30 points
Water Flow: adequacy and regularity of water flow	30 points
Scenic Quality: type and diversity of landforms and vegetative forms	20 points
Access: number and quality of access points	20 points

Each study river was assigned a value class based on the overall score of its qualities for whitewater boating. The value class rankings are:

- Class 1**80 - 100 points
- Class 2**56 - 79 points
- Class 3**Less than 56 points

Power Boating

- Facilities: number of facilities offering services to power boaters 20 points
- Traffic: boating traffic; highest points given for least traffic 20 points
- Navigability: sufficient depth and free of obstructions 20 points
- Scenic Quality: type and diversity of landforms and vegetative forms 20 points
- Access: Number and quality of sites 20 points

Each power boating study river was assigned a value class based on the overall score: The value class rankings are:

- Class 175 - 100 points
- Class 2 60 - 74 points
- Class 3 Less than 60 points

Backcountry Boating

- Navigability: sufficient depth and free of obstructions 25 points

Wilderness Experience: degree of remoteness 25 points

Scenic Quality: type and diversity of landforms and vegetative forms 25 points

Camping Areas: availability of camping sites 25 points

Each study river was assigned a value class score based on the overall score of attributes for back-country boating. The value class ranking are:

- Class 180 - 100 points
- Class 260 - 79 points

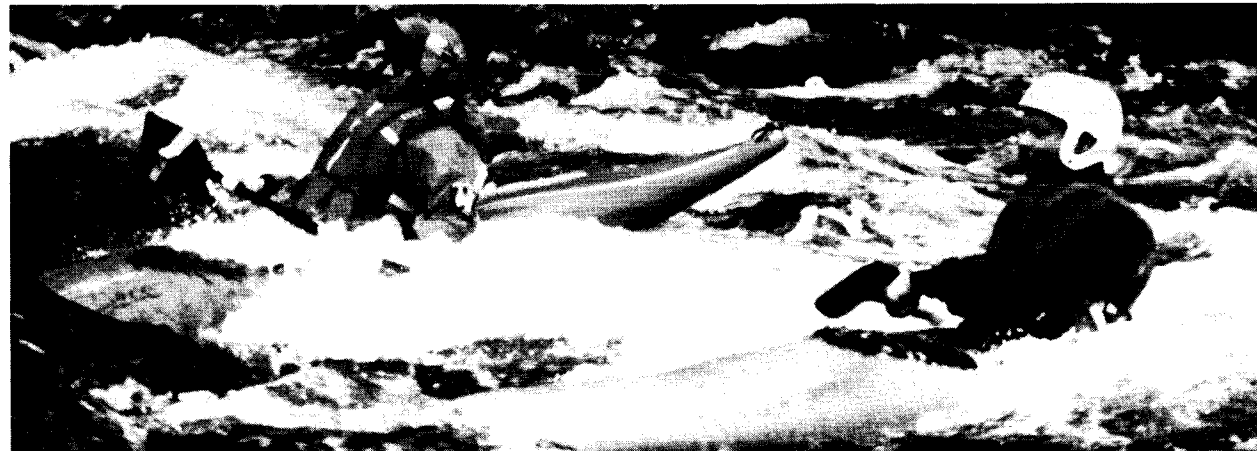
Class 3Less than 60 points

FINDINGS

A total of 105 segments (7.7% of the rivers studied in the assessment) covering 6,514.5 miles (16.9% of the total miles studied in the assessment) were evaluated in the Recreational Boating Category. Segments ranged in length from 0.7 miles (Taylor Fork) to 664 miles (Ohio River). Recreational boating rivers are distributed throughout the state.

Most of the evaluated rivers are used by more than one category of boater. One of the rivers, the Cumberland, is included in all four

Russell Fork



Lythia Metzmeier

categories. Six of the evaluated rivers are used by boaters in at least three of the four categories (Table 22).

Table 22. Rivers Suitable for Three or More Types of Boating

River	Types of Boating Opportunities
Barren River	backcountry, flatwater, power
Cumberland River	backcountry, flatwater, power, whitewater
Green River	backcountry, flatwater, power
Kentucky River	backcountry, flatwater, power
Licking River	backcountry, flatwater, power
Red River	backcountry, flatwater, whitewater

The highest ranking rivers in each category are listed below. Two of the rivers, the Green and the Kentucky, tied for first place in the flatwater category. (Table 23).

Three of the study rivers are nationally significant and located within federally owned or designated areas. The Green River within Mam-

moth Cave National Park and the Big South Fork within Big South Fork National Recreation Area are on federally owned lands administered by the National Park Service. The Red River flows through an area designated by the National Park Service as a National Natural Landmark.

Table 23. Highest Ranking Rivers in Each Boating Subcategory

Boating Subcategory	Study River(s)
Flatwater	Green River (Houchins Ferry to Liberty, KY) Kentucky River (Ohio River to Beattyville, KY)
Whitewater	Cumberland River (Cumberland Falls to Cumberland Lake)
Power Boating	Ohio River
Backcountry	Big South Fork of the Cumberland River

Flatwater Boating

Twelve rivers covering 1,031.3 miles were identified as Class 1 flatwater boating rivers. Class 1 rivers ranged in length from 8.1 to 254.8 miles,

averaging 85.9 miles. They are distributed throughout Kentucky.

Twenty-six rivers covering 1,732.4 miles were identified as Class 2 flatwater rivers. Class 2 rivers ranged in length from 8.1 to 664 miles, averaging 66.6 miles. They are also distributed throughout Kentucky.

Five rivers covering 249 miles were identified as Class 3 flatwater rivers. Class 3 rivers ranged in length from 16.4 to 137.6 miles, averaging 49.8 miles. The majority are in western Kentucky.

Whitewater Boating

Five rivers covering 39.6 miles were identified as Class 1 whitewater boating rivers. Class 1 rivers ranged in length from 3.7 to 15.3 miles, averaging 7.9 miles. All Class 1 whitewater rivers are located in eastern Kentucky.

Sixteen rivers covering 165.2 miles were identified as Class 2 whitewater boating rivers. Class 2 rivers ranged in length from 0.7 to 32.3 miles, averaging 10.3 miles. All are located in eastern and central Kentucky.

Eight rivers covering 77.6 miles were identified as Class 3 whitewater boating rivers. Class 3

rivers ranged in length from 1.2 to 22.3 miles, averaging 9.7 miles. The majority are in central Kentucky.

Power Boating

Two rivers covering 918.8 miles were identified as Class 1 power boating rivers. Class 1 rivers ranged in length from 254.8 to 664 miles, averaging 459.4 miles.

Five rivers covering 329.7 miles were identified as Class 2 power boating rivers. Class 2 rivers ranged in length from 22.4 to 182.7 miles, averaging 66.1 miles.

Two rivers covering 141.4 miles were identified as Class 3 power boating rivers. Class 3 rivers ranged in length from 43.6 to 97.8 miles, averaging 70.7 miles.

Backcountry Boating

Six rivers covering 693.4 miles were identified as Class 1 backcountry boating rivers. Class 1 rivers ranged in length from 14.9 to 254.8 miles, averaging 115.6 miles. All are located in eastern and central Kentucky.

Fourteen rivers covering 906.1 miles were identified as Class 2 backcountry rivers. Class 2 rivers ranged in length from 8.1 to 182.7 miles, averaging 64.7 miles. The majority are located in eastern and central Kentucky.

Four rivers covering 229.9 miles were identified as Class 3 backcountry rivers. Class 3 rivers ranged in length from 26.3 to 89.4 miles, averaging 57.5 miles. The majority are in western Kentucky.

Table 24. Summary of Recreational Boating Evaluations

	Class 1	Class 2	Class 3	Total
	Number of Segments			
Backcountry	6	14	4	24
Flatwater	12	26	5	43
Power	2	5	2	9
Whitewater	5	16	8	29
	River Miles			
Backcountry	693.4	906.1	229.9	1829.5
Flatwater	1031.3	1732.4	249.0	3012.7
Power	918.8	329.7	141.4	1389.9
Whitewater	39.6	165.2	77.6	282.4

SOURCES OF INFORMATION

- Bluegrass Wildwater Association, Personal Communications, 1990.
- Elkhorn Paddlers, Personal Communications, 1990.

Sehlinger, Robert, *A Canoeing and Kayaking Guide to the Streams of Kentucky*, Thomas Press, Ann Arbor, Michigan 1978.

Rock Creek



Sherri Evans

FLATWATER BOATING -- CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Barren River	Green River	0.0	Barren River Lake Dam	79.2	Butler	Allen	79.2
Cumberland River	Ohio River	0.0	Lake Barkley Dam	30.6	Livingston	Livingston	30.6
Cumberland River	Tennessee State Line	385.5	Wolf Creek Dam	460.9	Monroe	Russell	75.4
Gasper River	Barren River	0.0	Bucksville Road	32.3	Warren	Logan	32.3
Green River	Ohio River	0.0	Lock & Dam No. 6	181.7	Henderson	Edmonson	181.7
Green River	Houchins Ferry	185.2	Ky 70 at Liberty, Ky.	358.5	Edmonson	Casey	173.3
Kentucky River	Ohio River	0.0	Beattyville	254.8	Carroll	Lee	254.8
Middle Fork Kentucky River	North Fork Kentucky River	0.0	Buckhorn Lake Dam	43.3	Lee	Perry	43.3
Nolin River	Green River	0.0	Nolin Lake Dam	8.1	Edmonson	Edmonson	8.1
Rough River	Green River	0.0	Rough River Lake Dam	89.4	Ohio	Breckinridge	89.4
South Fork Kentucky River	Kentucky River	0.0	Red Bird River	45.1	Lee	Clay	45.1
Tennessee River	Clarks River	4.3	Kentucky Lake Dam	22.4	McCracken	Marshall	18.1

FLATWATER BOATING -- CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Bayou de Chien	Ky 239	11.2	Ky 1283	22.7	Hickman	Hickman	11.5
Beech Fork	Rolling Fork	0.0	Ky 49	32.2	Nelson	Nelson	32.2
Blaine Creek	Big Sandy River	0.0	Yatesville Dam	12.0	Lawrence	Lawrence	12.0
Clarks River	Tennessee River	0.0	West Fork Clarks River	16.0	McCracken	McCracken	16.0
Dix River	Herrington Lake (Ky 52)	34.6	Logantown, Ky.	50.3	Boyle	Lincoln	15.7
Eagle Creek	Kentucky River	0.0	Ky 36	41.0	Carroll	Grant	41.0
East Fork Little Barren River	Little Barren River	0.0	Mell-Cork Road	15.0	Metcalfe	Metcalfe	15.0
Floyds Fork	Ky 44 at Shepherdsville	0.4	Ky 1408	50.7	Bullitt	Oldham	50.3
Hinkston Creek	South Fork Licking River	0.0	Millersburg, Ky.	15.0	Bourbon	Bath	15.0
Levisa Fork	Big Sandy River	0.0	Fishtrap Lake Dam	126.1	Lawrence	Pike	126.1
Licking River	Ohio River	0.0	Cave Run Lake Dam	173.6	Campbell	Bath	173.6

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Little River	Lake Barkley	16.3	Ky 272	24.4	Trigg	Trigg	8.1
Mayfield Creek	Ky 121	10.7	Hickory, Ky.	35.0	Carlisle	Graves	24.3
Mississippi River	Tennessee State Line	882.6	Ohio River	953.8	Fulton	Ballard	71.2
Muddy Fork Little River	John King Road	11.4	Ky 126	33.2	Trigg	Trigg	21.8
Obion Creek	Mississippi River	0.0	US 51	12.0	Fulton	Hickman	12.0
Ohio River	Mississippi River	0.0	Big Sandy River	664.0	Ballard	Boyd	664.0
Pond River	Green River	0.0	Ky 70	26.3	Hopkins	Hopkins	26.3
Red River	Tennessee State Line	50.2	Prices Mill	74.9	Simpson	Logan	24.7
Rolling Fork	Salt River	0.0	US 68	107.4	Bullitt	Marion	107.4
Salt River	Ohio River	0.0	Taylorsville Lake Dam	59.5	Bullitt	Spencer	59.5
Salt River	Taylorsville Lake	82.0	Ky 1160	118.5	Spencer	Spencer	36.5
South Fork Licking River	Berry, Ky	26.6	Ruddels Mills, Ky	65.1	Harrison	Bourbon	38.5
Stoner Creek	South Fork Licking River	0.0	Thomas Road	30.7	Bourbon	Bourbon	30.7
Tradewater River	Ohio River	0.0	Ky 70	63.9	Crittenden	Caldwell	63.9
Tug Fork	Big Sandy River	0.0	Ky 40	35.1	Lawrence	Martin	35.1

FLATWATER BOATING -- CLASS 3 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Drakes Creek	Barren River	0.0	West & Middle Forks	23.5	Warren	Warren	23.5
Mud River	Green River	0.0	Ky 949	17.4	Butler	Butler	17.4
North Fork Kentucky River	South Fork Kentucky River	254.8	Roxana, Ky.	392.4	Lee	Letcher	137.6
North Fork Licking River	Licking River	0.0	Lewisburg, Ky.	54.1	Bracken	Mason	54.1
Panther Creek	Green River	0.0	Ky 81	16.4	Daviess	Daviess	16.4

WHITEWATER BOATING -- CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Cumberland River	Laurel River	552.1	Cumberland Falls	562.3	McCreary	McCreary	10.2
Laurel River	Lake Cumberland	0.8	Laurel Lake Dam	2.1	Laurel	Laurel	1.3
Red River	Swift Camp Creek	59.5	Ky 746	68.6	Wolfe	Wolfe	9.1
Rockcastle River	Ky 192	6.8	Ky 80	22.1	Laurel	Laurel	15.3
Russell Fork	Elkhorn City	12.3	Virginia State Line	16.0	Pike	Pike	3.7

WHITEWATER BOATING -- CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Benson Creek	Kentucky River	0.0	Sheep Pen Road	11.0	Franklin	Franklin	11.0
Boone Creek	Kentucky River	0.0	Ky 418	6.5	Clark	Clark	6.5
Christy Creek	Triplett Creek	0.0	Ky 32	5.0	Rowan	Rowan	5.0
Cumberland River	Cumberland Falls	562.3	Redbird, KY	578.5	McCreary	Whitley	16.2
Elkhorn Creek	Kentucky River	0.0	Forks of Elkhorn	17.8	Franklin	Franklin	17.8
Gasper River	Barren River	0.0	Bucksville Road	32.3	Warren	Logan	32.3
Hanging Fork	Dix River	0.0	Ky 590	4.3	Boyle	Boyle	4.3
Hickman Creek	Ky 1268	2.8	Ky 39	8.4	Jessamine	Jessamine	5.6
Little Barren River	Green River	0.0	East and South Forks	20.9	Green	Metcalfe	20.9
Little Sandy River	Grayson Lake	70.6	Sandy Hook, Ky.	76.0	Elliott	Elliott	5.4
Lower Howards Creek	Kentucky River	0.0	Old Stone Church Road	4.8	Clark	Clark	4.8
Otter Creek	Kentucky River	0.0	West Fork Otter Creek	5.6	Madison	Madison	5.6
Otter Creek	Ohio River	0.0	US 60	7.7	Meade	Meade	7.7
Plum Creek	Salt River	0.0	Wilsonville	10.5	Spencer	Spencer	10.5
Silver Creek	Kentucky River	0.0	Taylor Fork	10.9	Madison	Madison	10.9
Taylor Fork	Silver Creek	0.0	Curtis Road	0.7	Madison	Madison	0.7

WHITEWATER BOATING -- CLASS 3 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
East Fork Little Barren River	Little Barren River	0.0	Mell-Cork Road	15.0	Metcalfe	Metcalfe	15.0
Four Mile Creek	Kentucky River	0.0	Four Mile Road	3.5	Clark	Clark	3.5
Harrods Creek	Ohio River	0.0	Ky 53	22.3	Jefferson	Oldham	22.3
Jessamine Creek	Kentucky River	0.0	Ky 29	13.3	Jessamine	Jessamine	13.3
Marsh Creek	Cumberland River	0.0	Ky 679	7.1	McCreary	McCreary	7.1
Ruin Creek	Little Sandy River	0.0	North & South Forks	1.2	Elliott	Elliott	1.2
South Fork Little Barren River	Little Barren River	0.0	Beechville Road	7.0	Metcalfe	Metcalfe	7.0
Tates Creek	Kentucky River	0.0	Crutcher Rd.	8.2	Madison	Madison	8.2

POWER BOATING -- CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Kentucky River	Ohio River	0.0	Beattyville	254.8	Carroll	Lee	254.8
Ohio River	Mississippi River	0.0	Big Sandy River	664.0	Ballard	Boyd	664.0

POWER BOATING -- CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Big South Fork Cumberland R.	Lake Cumberland	16.5	Ky 92	40.3	McCreary	McCreary	23.8
Cumberland River	Ohio River	0.0	Lake Barkley Dam	30.6	Livingston	Livingston	30.6
Green River	Ohio River	0.0	Lock & Dam No. 6	181.7	Henderson	Edmonson	181.7
Mississippi River	Tennessee State Line	882.6	Ohio River	953.8	Fulton	Ballard	71.2
Tennessee River	Ohio River	0.0	Kentucky Lake Dam	22.4	McCracken	Livingston	22.4

POWER BOATING -- CLASS 3 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Barren River	Green River	0.0	Drakes Creek	43.6	Butler	Warren	43.6
Licking River	Ohio River	0.0	Blue Lick Springs	97.8	Campbell	Nicholas	97.8

BACKCOUNTRY BOATING -- CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Big South Fork Cumberland R.	Ky 92	40.3	Tennessee State Line	55.2	McCreary	McCreary	14.9
Cumberland River	Laurel River	552.1	Poor Fork	694.2	Whitley	Harlan	142.1
Green River	Houchins Ferry	185.2	Ky 70 at Liberty, Ky.	358.5	Edmonson	Casey	173.3
Kentucky River	Ohio River	0.0	Beattyville	254.8	Carroll	Lee	254.8
Red River	Kentucky River	0.0	Ky 746	68.6	Clark	Wolfe	68.6
Rockcastle River	Lake Cumberland	8.5	Ky 490	48.3	Laurel	Laurel	39.8

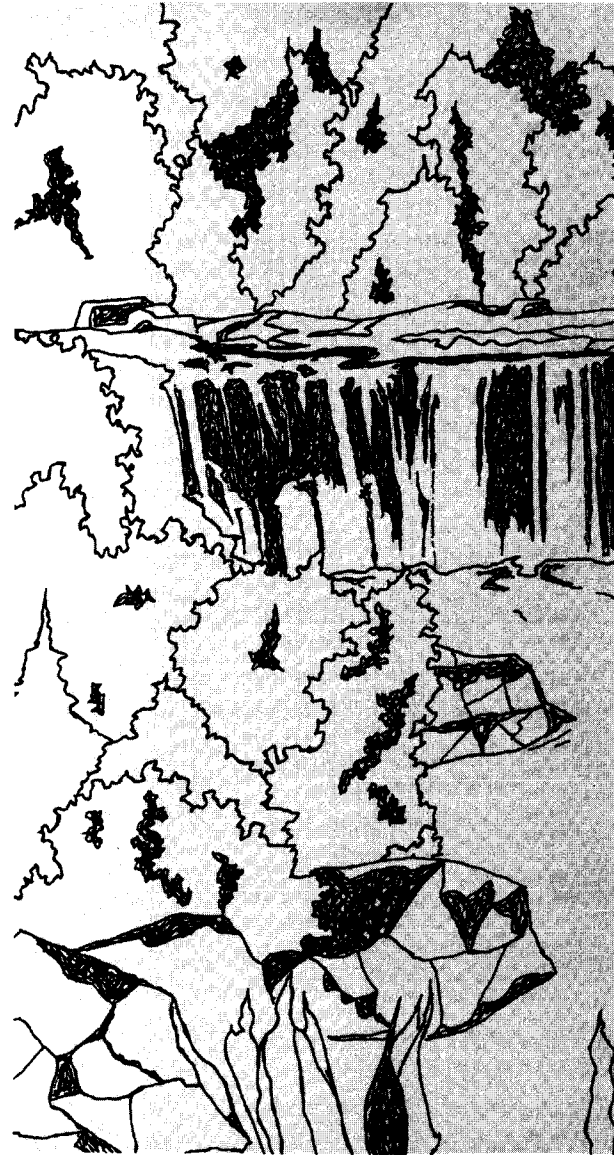
BACKCOUNTRY BOATING -- CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Barren River	Green River	0.0	Barren River Lake Dam	79.2	Butler	Allen	79.2
Buck Creek	Lake Cumberland	10.5	Ky 461	31.8	Pulaski	Pulaski	21.3
Cumberland River	Tennessee State Line	385.5	Wolf Creek Dam	460.9	Monroe	Russell	75.4
Dix River	Herrington Lake (Ky 52)	34.6	Logantown, Ky.	50.3	Boyle	Lincoln	15.7
Drakes Creek	Barren River	0.0	West & Middle Forks	23.5	Warren	Warren	23.5

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Elkhorn Creek	Kentucky River	0.0	Forks of Elkhorn	17.8	Franklin	Franklin	17.8
Green River	Ohio River	0.0	Lock & Dam No. 6	181.7	Henderson	Edmonson	181.7
Kinniconick Creek	Ohio River	0.0	Ky 59	26.3	Lewis	Lewis	26.3
Licking River	Ohio River	0.0	Cave Run Lake Dam	173.6	Campbell	Bath	173.6
Little South Fork Cumberland R	Lake Cumberland	4.1	Parmleysville	31.5	McCreary	Wayne	27.4
Middle Fork Kentucky River	North Fork Kentucky River	0.0	Buckhorn Lake Dam	43.3	Lee	Perry	43.3
Nolin River	Green River	0.0	Nolin Lake Dam	8.1	Edmonson	Edmonson	8.1
North Fork Kentucky River	South Fork Kentucky River	254.8	Roxana, Ky.	392.4	Lee	Letcher	137.6
Tygarts Creek	Ohio River	0.0	US 60	75.2	Greenup	Carter	75.2

BACKCOUNTRY BOATING -- CLASS 3 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Floyds Fork	Ky 44 at Shepherdsville	0.4	Ky 1408	50.7	Bullitt	Oldham	50.3
Pond River	Green River	0.0	Ky 70	26.3	Hopkins	Hopkins	26.3
Rough River	Green River	0.0	Rough River Lake Dam	89.4	Ohio	Breckinridge	89.4
Tradewater River	Ohio River	0.0	Ky 70	63.9	Crittenden	Caldwell	63.9

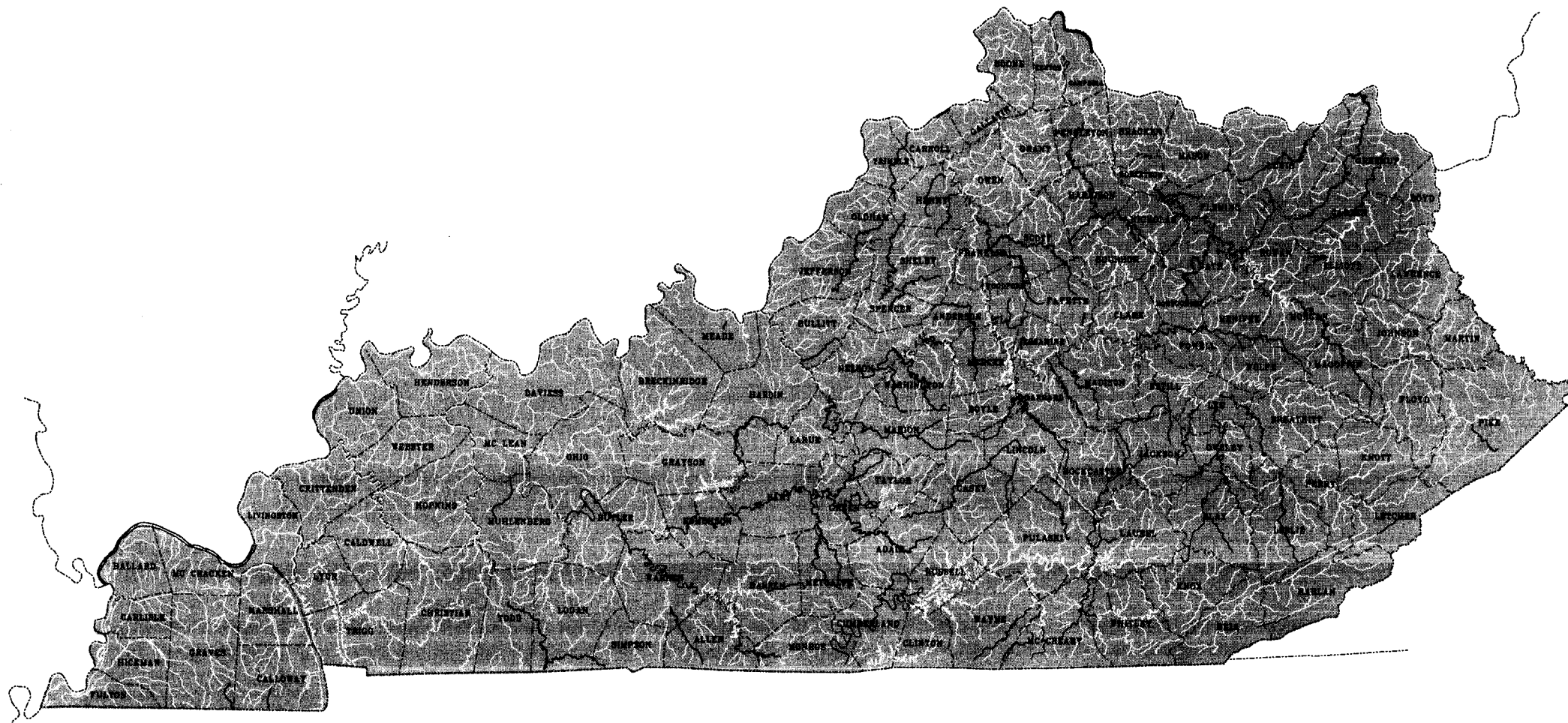


Water Quality



Water quality is a relative measure of a stream's physical, chemical, and biological integrity. The more pristine and life-supporting a stream is, the higher its water quality. Rivers with the most pristine water quality are in relatively undeveloped portions of the state. Some of these waters have been designated as Outstanding Resource Waters, while others are under consideration for designation. Those rivers that were designated were done so because their water quality approximates natural conditions. Such rivers serve as standards by which the water quality in other streams can be measured.

Water Quality Study Rivers



EVALUATION METHODOLOGY

A number of rivers and streams were evaluated for the existence of high-quality waters. Each study segment included within the water quality resource category met one of the following **minimum standards**:

- waters designated as Outstanding Resource Waters under 401 KAR 5:026
- waters recommended for designation as Outstanding Resource Waters by the Kentucky State Nature Preserves Commission
- waters recommended for designation as Outstanding Resource Waters by a qualified agency other than the Kentucky State Nature Preserves Commission

River and stream segments meeting the minimum standards were evaluated on the basis of designation or recommendation as Outstanding Resource Waters, water quality parameters meeting Outstanding Resource Waters criteria, ability to support unique or diverse aquatic life, and pollutant discharges. A complete listing of designated Outstanding Resource Waters is contained in Appendix B. Each study segment was assigned a numeric score. The scores were then totaled, and each river or stream assigned a value class based on distribution of overall score.

Study segments were assigned scores based on the following factors:

Outstanding Resource Water Designation or Recommendation

River designated as Outstanding Resource Water or recommended for automatic designation with substantial supporting data	30 points
River recommended as Outstanding Resource Water with limited supporting data	20 points
River recommended as Outstanding Resource Water with no supporting data available	10 points
Unknown	0 points

Water Quality Standards

Available data indicates river meets all Water Quality Standards (401 KAR 5:031)	30 points
River meets most Water Quality Standards; criteria occasionally exceeded	20 points
River frequently exceeds criteria	10 points
Unknown	0 points

Unique or Diverse Aquatic Species

River supports federally listed threatened or endangered species, more than one state-listed threatened or endangered species, or an usually high diversity of aquatic species	30 points
River supports a high diversity of aquatic species	20 points
River supports an average diversity of aquatic species	10 points
Unknown	0 points

Pollutant Discharges

No point source discharges or known nonpoint sources of pollution	30 points
Minor point source discharges or known nonpoint sources of pollution other than urbanization	20 points
Major point source discharges or known nonpoint source runoff impairments	10 points
Unknown	0 points

An overall score was computed for each of the rivers evaluated and divided into three sub-categories represented by value class rankings. Each study river was ranked according to the following:

- Class 1100 - 120 points
- Class 271 - 99 points
- Class 315 - 70 points

FINDINGS

The evaluation and ranking process was limited by the availability of water quality data. There was a lack of coverage in some areas, as well as limited historical data where monitoring stations have been in place for a relatively short period of time.

A total of 122 segments (9.0% of the rivers studied in the assessment) covering 3,139.2 miles (8.1% of the total miles studied) were evaluated in the Water Quality Category. Segments ranged in length from 1.2 miles (Ruin Creek) to 89.1 miles (Tygarts Creek). The highest water quality streams were Bad Branch, Bunches Creek, Youngs Creek, Rock Creek, and Dog Slaughter Creek. The most threatened

high-quality stream in the state is the Little South Fork of the Cumberland.

Twenty-eight rivers covering a total of 439.8 miles were identified as Class 1 water quality rivers. Class 1 ranged in length from 1.7 to 50.4 miles, averaging 15.7 miles. The majority of Class 1 rivers are located in eastern Kentucky.

Fifty rivers covering 1,241.8 miles were identified as Class 2 rivers. Class 2 rivers ranged in length from 1.2 to 89.1 miles, averaging 24.8 miles. The majority are located in eastern and central Kentucky.

Forty-four rivers covering 1,457.6 miles were identified as Class 3 rivers. Class 3 rivers ranged in length from 1.7 to 87 miles, averaging 33.1 miles. The majority are located in central and eastern Kentucky.

Table 25. Summary of Water Quality Evaluations

	Class 1	Class 2	Class 3	Total
Number of Segments	28	50	44	122
Miles	439.8	1241.8	1457.6	3139.2

SOURCES OF INFORMATION

- Kentucky Department for Environmental Protection, *Kentucky Water Quality Administrative Regulations*, Division of Water, 1986 and 1988.
- Kentucky Department for Environmental Protection, *Kentucky Report to Congress on Water Quality*, Division of Water, 1988.
- Kentucky Department for Environmental Protection, *Intensive Survey Reports*, Division of Water.
- Kentucky Department for Environmental Protection, *Ambient Water Monitoring Data*, Division of Water.
- Kentucky State Nature Preserves Commission, *Recommendations for Kentucky Outstanding Resource Water Classification with Water Quality Criteria for Protection*, 1982.
- U.S. Department of Interior, *Water Yearbook*, Geological Survey, 1980.

Martins Fork



James Archambeault

WATER QUALITY -- CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Archers Creek	Cumberland River	0.0	Headwaters	3.2	Whitley	Whitley	3.2
Bad Branch	Poor Fork Cumberland River	0.0	Headwaters	4.1	Letcher	Letcher	4.1
Beaver Creek	Lake Cumberland	2.2	Headwaters	9.2	McCreary	McCreary	7.0
Buck Creek	Lake Cumberland	10.5	Long Branch near Clarence	47.7	Pulaski	Pulaski	37.2
Buckhorn Creek	Clemons Fork	4.4	Coles Fork	6.8	Breathitt	Knott	2.4
Bunches Creek	Cumberland River	0.0	Headwaters	4.9	Whitley	Whitley	4.9
Clemons Fork	Buckhorn Creek	0.0	Headwaters	4.7	Breathitt	Breathitt	4.7
Coles Fork	Buckhorn Creek	0.0	Headwaters	6.4	Breathitt	Knott	6.4
Dog Slaughter Creek	Cumberland River	0.0	Headwaters	5.4	Whitley	Whitley	5.4
Eagle Creek	Cumberland River	0.0	Headwaters	6.2	McCreary	McCreary	6.2
Green River	Lock & Dam No. 4	148.0	Lock & Dam No. 5	168.1	Butler	Butler	20.1
Green River	West Bdry Mammoth Cave NP	182.7	Munfordville, Ky.	225.9	Edmonson	Hart	43.2
Horse Lick Creek	Rockcastle River	0.0	Clover Bottom Creek	12.2	Jackson	Jackson	12.2
Kennedy Creek	Little South Fork Cumberland River	0.0	Headwaters	3.1	Wayne	Wayne	3.1
Kinniconick Creek	Ohio River	0.0	Headwaters	50.4	Lewis	Lewis	50.4
Laurel Creek	Marsh Creek	0.0	Headwaters	9.2	McCreary	McCreary	9.2
Little South Fork Cumberland R	Lake Cumberland	4.1	Tennessee State Line	43.7	McCreary	Wayne	39.6
Martins Fork	Rough Branch	27.4	Headwaters (Cumberland Gap Park)	37.2	Harlan	Harlan	9.8
Middle Fork Rockcastle River	Rockcastle River	0.0	Indian Creek	7.8	Jackson	Jackson	7.8
Ned Branch	Rockcastle River	0.0	Headwaters	1.9	Laurel	Laurel	1.9
North Fork Triplett Creek	Triplett Creek	0.0	Headwaters	25.6	Rowan	Rowan	25.6
Poor Fork Cumberland River	Presley House Branch	737.6	Headwaters	744.0	Letcher	Letcher	6.4
Rock Creek	White Oak Creek	3.9	Tennessee State Line	21.9	McCreary	McCreary	18.0
Rockcastle River	Lake Cumberland	8.5	Middle Fork Rockcastle River	53.3	Laurel	Jackson	44.8
Tight Hollow Creek	Mill Creek	0.0	Headwaters	1.7	Wolfe	Wolfe	1.7
War Fork Station Camp Creek	Station Camp Creek	0.0	Headwaters	13.7	Jackson	Jackson	13.7
Whippoorwill Creek	Red River	0.0	Headwaters	44.7	Logan	Todd	44.7
Youngs Creek	Cumberland River	0.0	Headwaters	6.1	Whitley	Whitley	6.1

WATER QUALITY -- CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Barren River	Green River	0.0	Bays Fork	62.0	Butler	Warren	62.0
Barren River	Barren River Lake	118.5	Headwaters	158.7	Allen	Monroe	40.2
Big Pitman Creek	Green River	0.0	Headwaters	42.2	Green	Taylor	42.2
Big Sinking Creek	Little Sandy River	0.0	Headwaters	19.0	Carter	Elliott	19.0
Big South Fork Cumberland R.	Ky 92	40.3	Tennessee State Line	55.2	McCreary	McCreary	14.9
Boone Creek	Kentucky River	0.0	Ky 418	6.5	Clark	Clark	6.5
Brashears Creek	Salt River	0.0	Headwaters	25.5	Spencer	Shelby	25.5
Cane Creek	Rockcastle River	0.0	Headwaters	12.0	Laurel	Laurel	12.0
Clear Creek	Kentucky River	0.0	Headwaters	19.3	Woodford	Woodford	19.3
Cumberland River	Lake Cumberland	558.5	Jellico Creek	574.8	McCreary	Whitley	16.3
East Fork Clear Creek	Clear Creek	0.0	Headwaters	10.0	Woodford	Jessamine	10.0
Elkhorn Creek	Kentucky River	0.0	Forks of Elkhorn	17.8	Franklin	Franklin	17.8
Falling Timber Creek	Skaggs Creek	0.0	Headwaters	14.7	Barren	Metcalfe	14.7
Greasy Creek	Middle Fork Kentucky River	0.0	Headwaters	26.6	Leslie	Harlan	26.6
Green River	Munfordville, KY	225.9	Green River Lake Dam	305.6	Hart	Taylor	79.7
Green River	Green River Lake	339.9	Headwaters	383.5	Adair	Lincoln	43.6
Jessamine Creek	Kentucky River	0.0	Ky 1268	5.5	Jessamine	Jessamine	5.5
Licking River	Blue Lick Springs	97.8	Cave Run Lake Dam	173.6	Nicholas	Bath	75.8
Little Sandy River	Argillite, Ky.	13.0	Grayson Lake Dam	51.0	Carter	Carter	38.0
Marsh Creek	Cumberland River	0.0	Laurel Creek	8.6	McCreary	McCreary	8.6
Middle Fork Kentucky River	North Fork Kentucky River	0.0	Buckhorn Lake Dam	43.3	Lee	Perry	43.3
Middle Pitman Creek	Big Pitman Creek	0.0	Headwaters	13.9	Green	Taylor	13.9
Nolin River	Green River	0.0	Nolin Lake Dam	8.1	Edmonson	Edmonson	8.1
North Fork Elkhorn Creek	Forks of Elkhorn	0.0	Headwaters	74.4	Franklin	Fayette	74.4
North Fork Ruin Creek	Ruin Creek	0.0	Headwaters	5.1	Elliott	Elliott	5.1
North Rolling Fork	Rolling Fork	107.9	Boyle/Marion County Line	119.9	Marion	Marion	12.0
Ohio River	Mississippi River	0.0	Smithland, Ky.	62.9	Ballard	Livingston	62.9
Ohio River	Below Cincinnati Island	119.4	Raleigh Bar	126.4	Union	Union	7.0
Ohio River	Ghent	442.3	Gallatin/Carroll County line	446.3	Carroll	Carroll	4.0
Ohio River	Kenton/Boone County Line	503.9	New Richmond Station	532.0	Kenton	Campbell	28.1

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Ohio River	South Portsmouth, Ky.	626.3	Tygarts Creek	628.2	Greenup	Greenup	1.9
Paint Lick Creek	Kentucky River	0.0	Headwaters	30.8	Garrard	Garrard	30.8
Red River	Swift Camp Creek	59.5	Ky 746	68.6	Wolfe	Wolfe	9.1
Rock Creek	Rockcastle River	0.0	Headwaters	2.0	Laurel	Laurel	2.0
Ruin Creek	Little Sandy River	0.0	North & South Forks	1.2	Elliott	Elliott	1.2
Russell Fork	Levisa Fork	0.0	Virginia State Line	16.0	Pike	Pike	16.0
Sexton Creek	South Fork Kentucky River	0.0	Headwaters	22.5	Owsley	Jackson	22.5
Slate Creek	Licking River	0.0	Headwaters	59.3	Bath	Menifee	59.3
South Fork Ruin Creek	Ruin Creek	0.0	Headwaters	4.0	Elliott	Elliott	4.0
South Fork Station Camp Creek	Station Camp Creek	0.0	Headwaters	26.2	Jackson	Jackson	26.2
Station Camp Creek	Kentucky River	0.0	War Fork	22.3	Estill	Jackson	22.3
Sturgeon Creek	Kentucky River	0.0	Headwaters	33.4	Lee	Jackson	33.4
Swift Camp Creek	Red River	0.0	Mountain Parkway	10.8	Wolfe	Wolfe	10.8
Tennessee River	Cooper Creek	17.9	Kentucky Lake Dam	22.4	Marshall	Marshall	4.5
Terrapin Creek	Tennessee State Line	2.8	Ky 97	8.1	Graves	Graves	5.3
Townsend Creek	South Fork Licking River	0.0	Headwaters	15.5	Bourbon	Bourbon	15.5
Trammel Fork	Drakes Creek	0.0	Tennessee State Line	30.2	Warren	Allen	30.2
Troublesome Creek	Big South Fork Cumberland River	0.0	Headwaters	3.7	McCreary	McCreary	3.7
Tygarts Creek	Ohio River	0.0	Headwaters	89.1	Greenup	Carter	89.1
Wilson Creek	Rolling Fork	0.0	Headwaters	17.0	Bullitt	Bullitt	17.0

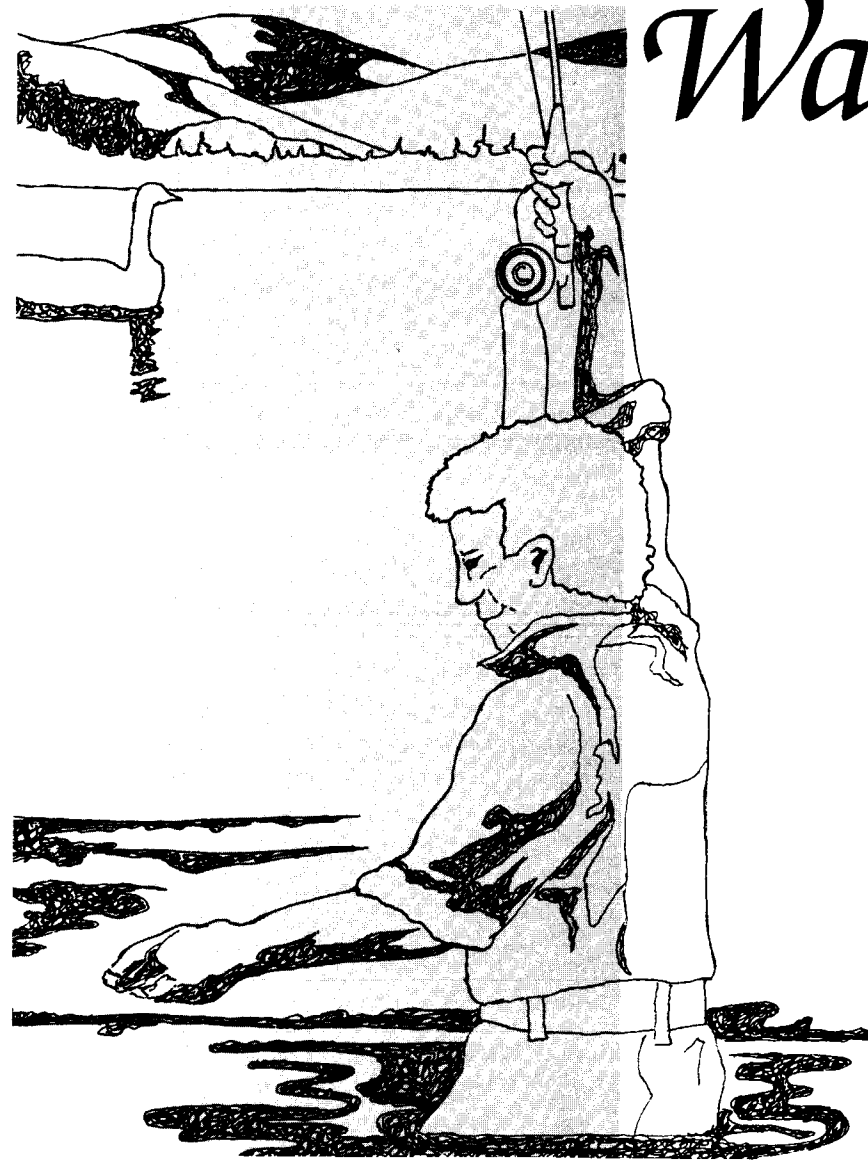
WATER QUALITY -- CLASS 3 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Beech Creek***	Salt River	0.0	Headwaters	30.0	Spencer	Shelby	30.0
Beech Fork	Rowan Creek	20.9	Headwaters	107.9	Nelson	Marion	87.0
Benson Creek	Keenebec School	2.3	South Benson Creek	4.6	Franklin	Franklin	2.3
Big South Fork Rolling Fork*	Rolling Fork	0.0	Headwaters	21.8	Marion	Casey	21.8
Bullskin Creek	Brashears Creek	0.0	Headwaters	22.5	Shelby	Henry	22.5
Cartwright Creek**	Beech Fork	0.0	Headwaters	26.0	Washington	Marion	26.0

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Chaplin River**	Beaver Creek	22.7	Thompson Branch	40.1	Washington	Washington	17.4
Collins Fork	Goose Creek	0.0	Headwaters	17.8	Clay	Knox	17.8
Crocus Creek**	Cumberland River	0.0	Headwaters	27.5	Cumberland	Russell	27.5
Cumberland River	Tennessee State Line	385.5	Wolf Creek Dam	460.9	Monroe	Russell	75.4
Cypress Creek	Muhlenberg/McLean County Line	18.0	Headwaters	33.3	McLean	Muhlenberg	15.3
Dix River	Herrington Lake (Ky 52)	34.6	Headwaters	80.0	Boyle	Rockcastle	45.4
Doe Run	Ky 1638	5.2	Headwaters	8.0	Meade	Meade	2.8
Drennon Creek*	Kentucky River	0.0	Headwaters	21.7	Henry	Henry	21.7
East Fork Clarks River***	Clarks River	0.0	Tennessee State Line	7.4	Calloway	Calloway	7.4
East Fork Little Barren River	Little Barren River	0.0	Headwaters	29.5	Metcalfe	Metcalfe	29.5
Fishing Creek*	Lake Cumberland	20.5	Headwaters	41.6	Pulaski	Lincoln	21.1
Fleming Creek	Licking River	0.0	Ky 11	20.1	Nicholas	Fleming	20.1
Floyds Fork	Bullitt County Line	13.1	North Fork	61.7	Bullitt	Oldham	48.6
Goose Creek	South Fork Kentucky River	0.0	Headwaters	42.6	Clay	Clay	42.6
Green River	Lock & Dam No. 3	108.5	Lock & Dam No. 4	148.0	Muhlenberg	Butler	39.5
Hanging Fork	Dix River	0.0	Headwaters	32.3	Boyle	Casey	32.3
Hinkston Creek	South Fork Licking River	0.0	Somerset Creek	34.8	Bourbon	Montgomery	34.8
Indian Creek*	Middle Fork Rockcastle River	0.0	Hurley, Ky.	4.4	Jackson	Jackson	4.4
Licking River	Cave Run Lake	232.8	Headwaters	294.1	Morgan	Magoffin	61.3
Little Barren River	Green River	0.0	Greasy Creek	16.0	Green	Green	16.0
Little Barren River	Greasy Creek	16.0	East and South Forks	20.9	Green	Metcalfe	4.9
Little Kentucky River	Ohio River	0.0	Lake Jerrico Dam	27.2	Carroll	Henry	27.2
Middle Fork Kentucky River	Buckhorn Lake	76.6	Greasy Creek	84.1	Leslie	Leslie	7.5
Nolin River	Nolin Lake	64.3	North Fork	121.5	Grayson	Larue	57.2
Red Bird River	South Fork Kentucky River	0.0	Sugar Creek	21.1	Clay	Clay	21.1
Red River	Kentucky River	0.0	Swift Camp Creek	59.5	Clark	Wolfe	59.5
Red River	Ky 746	68.6	Headwaters	94.2	Clark	Wolfe	25.6
Red River	Tennessee State Line	50.2	Tennessee State Line	80.5	Simpson	Logan	30.3
Rolling Fork	New Haven	38.4	Big South Fork	107.9	Larue	Marion	69.5
Rough River	Rocky Fork	67.6	Long Spring Branch	69.3	Ohio	Ohio	1.7
Russell Creek	Green River	0.0	Headwaters	68.1	Green	Russell	68.1
Salt River	Taylorsville Lake	82.0	Boyle County Line	138.0	Spencer	Mercer	56.0

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Silver Creek	Kentucky River	0.0	Headwaters	36.2	Madison	Madison	36.2
Six Mile Creek	Kentucky River	0.0	Headwaters	23.6	Shelby	Henry	23.6
South Fork Elkhorn Creek	Forks of Elkhorn	0.0	Headwaters	52.7	Franklin	Fayette	52.7
South Fork Kentucky River	Kentucky River	0.0	Red Bird River	45.1	Lee	Clay	45.1
South Fork Licking River	Licking River	0.0	Stoner Creek	65.1	Pendleton	Bourbon	65.1
South Fork Little Barren River	Little Barren River	0.0	Headwaters	35.8	Metcalfe	Metcalfe	35.8

Evaluation of several study rivers was completed with insufficient data; * indicates data for one of four criteria was unavailable, ** indicates data for two of four criteria were unavailable, and *** indicates data for three of four criteria were unavailable.

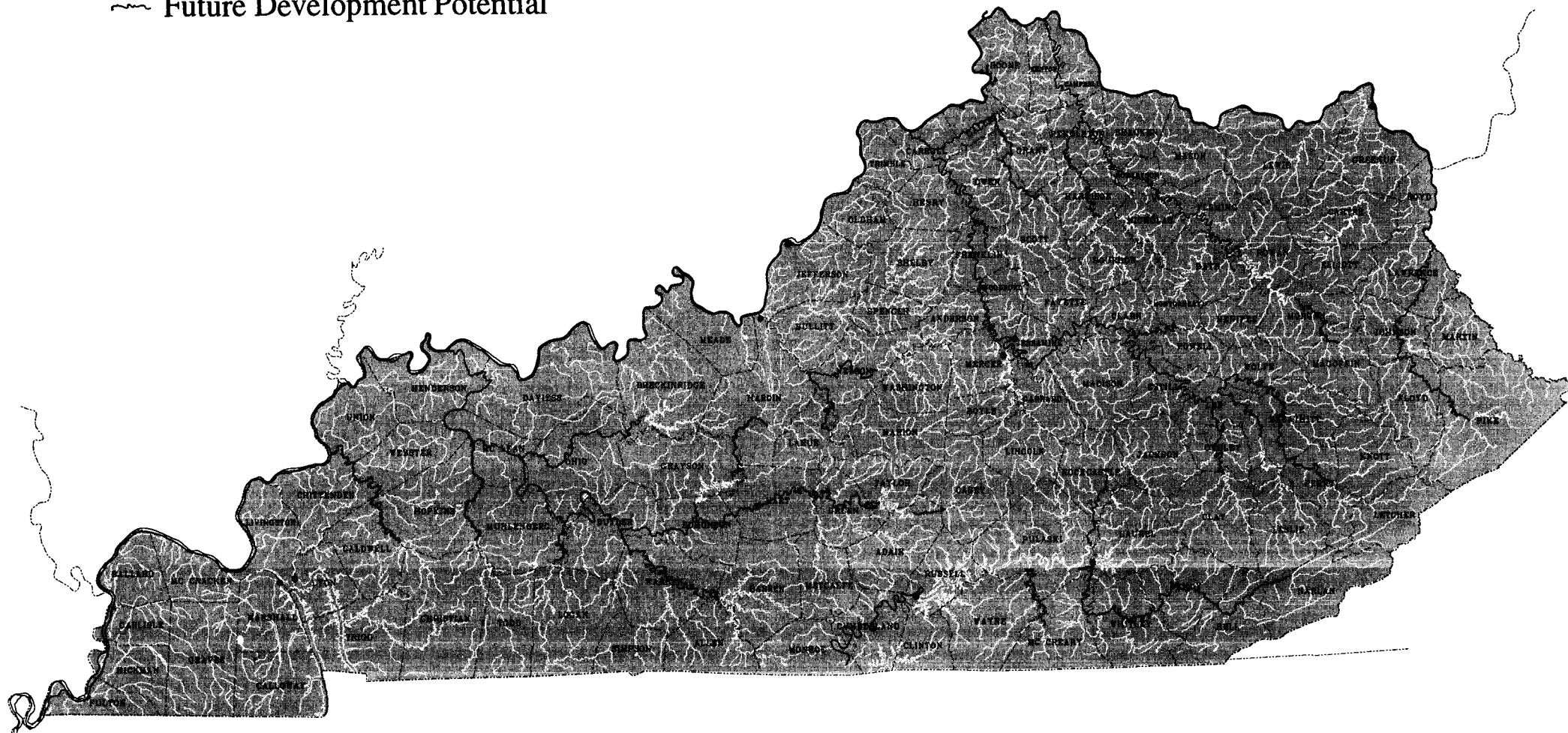


Water Resources

Kentucky's rivers are important for domestic, municipal, industrial and agricultural uses, power generation, navigation, and commerce. Rivers and streams frequently dictate the patterns of future growth, and the management of water resources becomes increasingly important as communities expand. Conflicts often arise between existing river uses and water resource projects that require significant alteration of the river environment. As communities develop, it becomes important to identify potential water-use conflicts between resource conservation and development to strike a balance among such conflicting resource allocations.

Water Resource Study Rivers

- Hydropower Development
- ~ Future Development Potential



EVALUATION METHODOLOGY

Rivers and streams with potential to provide water supplies for municipal and industrial uses, hydropower generation or navigation were evaluated to determine those areas most significant for resource development. Each study river included within the water resources category met one of the following **minimum standards**:

- potential for future development as a water supply (lowest average monthly flow greater than or equal to 75 cubic feet per second or approximately 50 million gallons per day)
- occurrence of developed hydropower sites or undeveloped sites with identified potential for hydropower
- commercially navigable rivers

FUTURE DEVELOPMENT POTENTIAL

The ability of a river or stream to provide for future development in terms of water resources was evaluated on the basis of three criteria consisting of water quantity, basic water quality parameters, and safety. Each river meeting the minimum standard for future development was assigned a value class based on an evaluation process. A point system was used for determin-

ing the relative value of each criterion. Scores for each study segment were then totaled and assigned to a value class ranking.



Kentucky River

Fred Kirchoff

A total of 120 points was allocated to the three criteria; 60 points for water quantity, 48 points for water quality, and 12 points for safety. As the presence of a reliable source of water is a critical limiting factor for development, water quantity was based on the lowest average monthly flow as measured at U.S. Geological Survey stream gaging stations. The consideration of water quality was limited in this evaluation to those basic factors related to developmental considerations. Water quality parameters consisted of temperature, biochemical oxygen demand

(BOD), dissolved oxygen, and dissolved solids. Safety was evaluated in terms of the number of roadway, rail, or oil or gas pipeline crossings on a study segment and, therefore, the relative risk of an accidental spill or leak.

The following is a detailed listing of scores used to evaluate each of the study segments for future development potential.

Water Quantity (points based on lowest average monthly flow)

unknown	0 points
0 to 75 cubic feet per second	20 points
76 to 750 cubic feet per second	40 points
greater than 750 cubic feet per second	60 points

Water Quality -- average water temperature

unknown	0 points
greater than 19° centigrade	2 points
16° to 19° centigrade	4 points
less than 16° centigrade	6 points

Water Quality -- maximum water temperature

unknown	0 points
greater than 32° centigrade	2 points
29° to 32° centigrade	4 points
less than 29° centigrade	6 points

Water Quality -- average biochemical oxygen demand (BOD)

unknown	0 points
greater than 2.8 milligrams per liter	2 points
2.2 to 2.8 milligrams per liter	4 points
less than 2.2 milligrams per liter	6 points

Water Quality -- maximum biochemical oxygen demand

unknown	0 points
greater than 12 milligrams per liter	2 points
6 to 12 milligrams per liter	4 points
less than 6 milligrams per liter	6 points

Water Quality -- average dissolved oxygen

unknown	0 points
less than 7 milligrams per liter	2 points
7 to 9 milligrams per liter	4 points
greater than 9 milligrams per liter	6 points

Water Quality -- minimum dissolved oxygen

unknown	0 points
less than 7 milligrams per liter	2 points
7 to 9 milligrams per liter	4 points
greater than 9 milligrams per liter	6 points

Water Quality -- average dissolved solids

unknown	0 points
greater than 750	4 points
250 to 750	8 points
less than 250	12 points

Safety (based on number of transmission crossings above the downstream end of study segment and the lowest average monthly flow)

no crossings	12 points
one or more crossings and lowest average flow greater than 750 cubic feet per second	12 points
one or more crossings and lowest average monthly flow between 750 and 75 cubic feet per second	8 points
one or more crossings and lowest average monthly flow less than 75 cubic feet per second	4 points
unknown	0 points

An overall score was computed for each of the rivers evaluated for future development of water resources and ranked according to the following value classes.

- Class 1**90 - 120 points
- Class 2**70 -89 points
- Class 3**40 - 69 points

HYDROPOWER DEVELOPMENT STATUS

A number of Kentucky rivers and streams provide water for hydroelectric generation, while numerous other sites have been identified as having the potential to provide for power generation. More than 35 of these potential sites are permitted, licensed, or under consideration by the Federal Energy Regulatory Commission (FERC). A complete listing and description of FERC sites is contained in Appendix D. Those sites fully developed for hydropower generation were evaluated on the basis of generating capacity.

The sites were then ranked according to the following values:

Class 1.....greater than 100,000 kilowatts

Class 2.....10,000 - 100,000 kilowatts

Class 3.....less than 10,000 kilowatts

NAVIGABLE RIVERS

Kentucky's major rivers provide commercially navigable waterways for various bulk commodities - coal, petroleum products, sand,

gravel, and crushed rock. The Ohio River serves communities along the entire northern border of the state. The Tennessee, Cumberland, Green and Mississippi rivers are accessible to Western Kentucky while the Kentucky River provides transportation for Central Kentucky.

Rivers were evaluated on the basis of channel depth:

Class 1.....Nine-foot minimum channel depth

Class 2.....Six-foot minimum channel depth

FINDINGS

A total of 66 river segments (4.8% of the total rivers studied in the assessment) covering 3,866 miles (10% of the total miles) were evaluated in the Water Resources Category. Segments ranged in length from 4.4 miles (Dix River) to 664 miles (Ohio River). Water resource rivers are distributed across the state.

The major rivers in the future development subcategory are the Cumberland River (Tennessee State Line to Wolf Creek Dam), the Kentucky River (Elkhorn Creek confluence to Lock and

Dam, number 4), and Green River (Nolin River confluence to Little Barren River confluence). The Cumberland River at Wolf Creek Dam is the highest ranking river in the hydropower subcategory, and the Ohio River is the highest ranking river in the navigation subcategory. Four of the rivers are of national significance--the Mississippi and Ohio rivers for navigation and the Cumberland and Tennessee rivers for hydro-power generation.

Future Development Potential

Thirty-six rivers covering 2,236.1 miles were identified as Class 1 future development rivers. Class 1 rivers range in length from 4.4 to 154.1 miles, averaging 62.1 miles. The majority are located in the central and western portions of the state.

Nine rivers covering 424.7 miles were identified as Class 2 future development rivers. Class 2 rivers ranged in length from 20.5 to 91.8 miles, averaging 47.2 miles. They are located throughout the state.

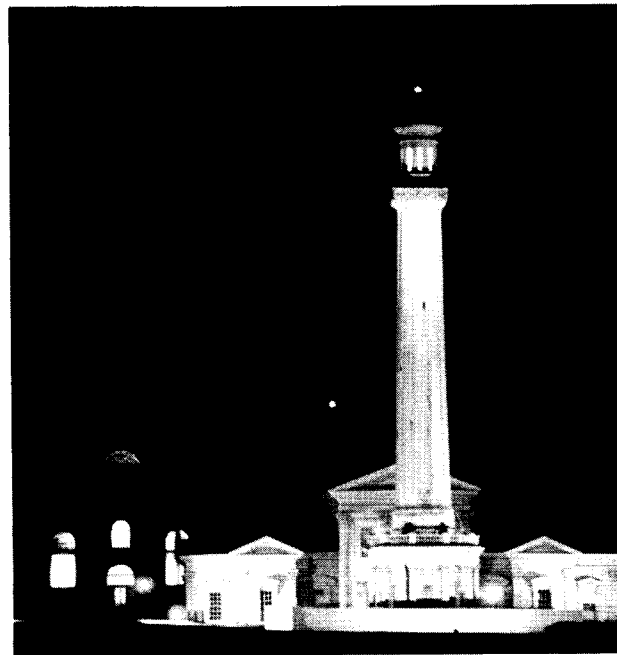
Five rivers covering 227.9 miles were identified as Class 3 future development rivers. Class 3 rivers ranged in length from 17.8 to 74.5

miles, averaging 45.6 miles. All are located in Central and Western Kentucky

Hydropower Development Status

Eight rivers were evaluated as hydropower rivers--three were Class 1, four were Class 2, and one was Class 3. Mileage was not assigned to hydropower rivers because hydroelectric dams occupy single sites on rivers.

Louisville Water Tower



Scott Hankla

Navigable Rivers

Seven rivers covering 912.8 miles were identified as Class 1 navigation rivers. Class 1 rivers ranged in length from seven miles to 664 miles, averaging 130.4 miles. A 64.3-mile segment of the Kentucky River was identified as a Class 2 navigation river.

Table 26. Summary of Water Resource Evaluations

	Class 1	Class 2	Class 3	Total
Number of Segments				
Future Development	36	9	5	50
Hydropower	3	4	1	8
Navigation	7	1	0	8
River Miles				
Future Development	2236.1	424.7	227.9	2888.7
Hydropower	0.0	0.0	0.0	0.0
Navigation	912.8	64.3	0.0	977.1

SOURCES OF INFORMATION

Karan, P.P. and Cotton Mather, eds. *Atlas of Kentucky*, University of Kentucky Press, Lexington, Kentucky, 1977.

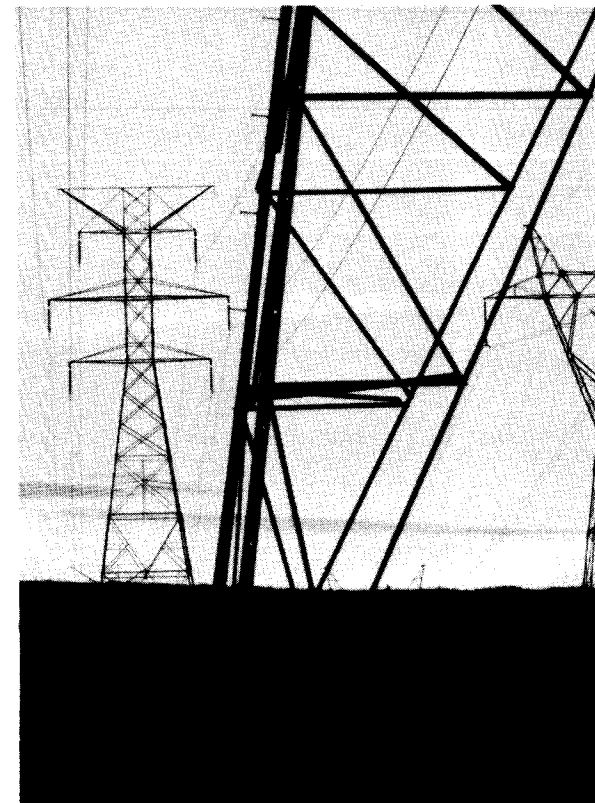
Kentucky Department of Economic Development, *Gas Transmission in Kentucky*. Map 1984.

U.S. Department of Interior, *Stream Flow and Basin Characteristics at Selected Sites in Kentucky*, Report 84-764, U.S. Geological Survey, 1984.

U.S. Department of Interior, *Streams of Kentucky*, map, U.S. Geological Survey, 1958.

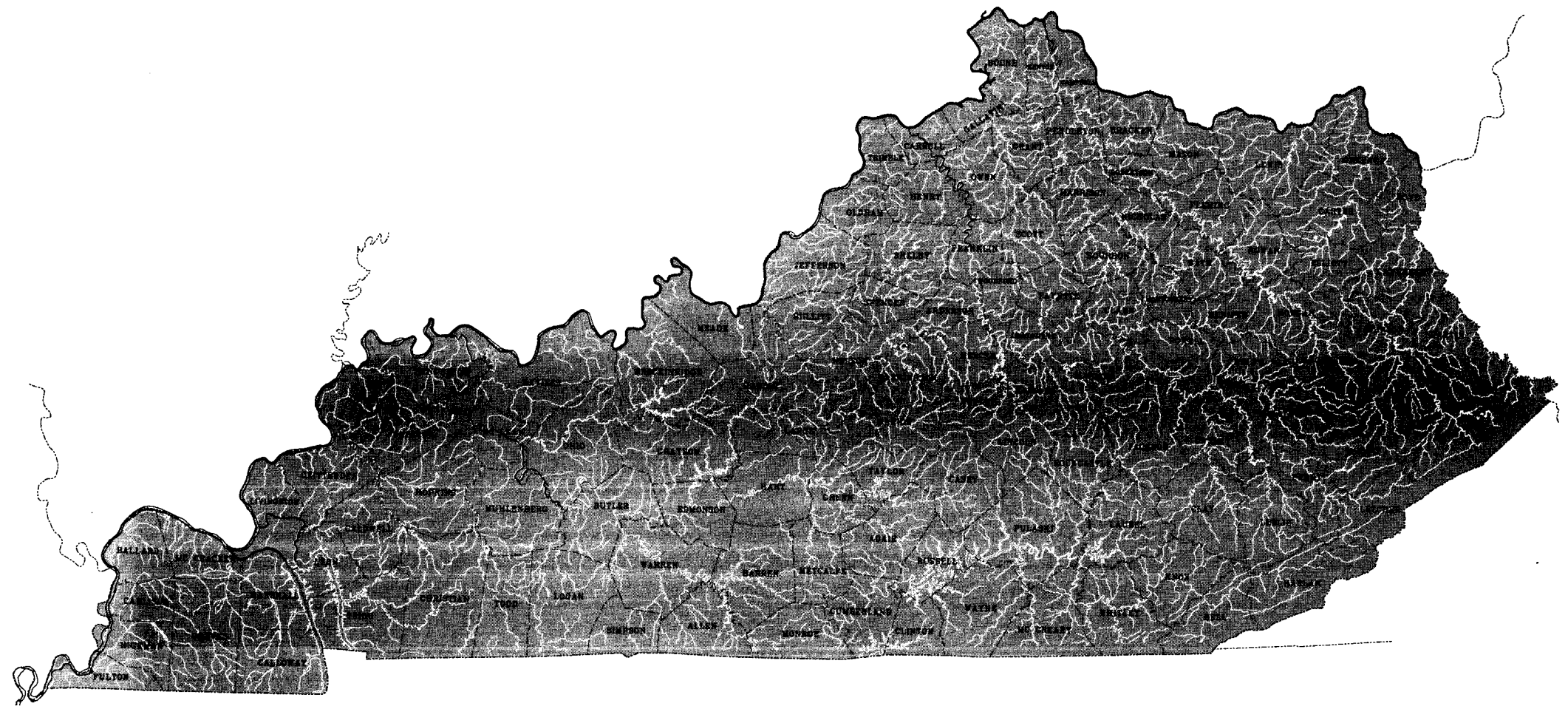
U.S. Environmental Protection Agency, STORET Computer Database.

Power Transmission Towers in Jessamine County



Scott Hankla

Navigable Study Rivers



WATER RESOURCES (Future Development)--CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Barren River	Green River	0.0	Drakes Creek	43.6	Butler	Warren	43.6
Barren River	Drakes Creek	43.6	Little Difficult Creek	63.3	Warren	Allen	19.7
Beech Fork	Rolling Fork	0.0	Cartwright Creek	39.1	Nelson	Nelson	39.1
Big South Fork Cumberland R.	Lake Cumberland	16.5	Ky 92	40.3	McCreary	McCreary	23.8
Cumberland River	Tennessee State Line	385.5	Wolf Creek Dam	460.9	Monroe	Russell	75.4
Cumberland River	Rockcastle River	546.5	Poor Fork	694.2	Laurel	Harlan	147.7
Dix River	Kentucky River	0.0	Dix Dam	3.0	Garrard	Garrard	3.0
Eagle Creek	Tenmile Creek	27.3	Sadieville, Ky	86.4	Grant	Scott	59.1
Green River	Ohio River	0.0	Mud River	108.6	Henderson	Ohio	108.6
Green River	Mud River	108.6	Nolin River	183.5	Ohio	Edmonson	74.9
Green River	Nolin River	183.5	Little Barren River	250.2	Edmonson	Green	66.7
Green River	Little Barren River	250.2	Goose Creek	342.2	Green	Casey	92.0
Kentucky River	Ohio River	0.0	Elkhorn Creek	51.9	Carroll	Franklin	51.9
Kentucky River	Elkhorn Creek	51.9	Lock #4	64.9	Franklin	Franklin	13.0
Kentucky River	Lock #4	64.9	Dix River	118.2	Franklin	Mercer	53.3
Kentucky River	Lock & Dam No. 10	176.4	Red River	190.8	Clark	Clark	14.4
Kentucky River	Red River	190.8	Heidelberg, Ky	248.2	Clark	Lee	57.4
Licking River	North Fork Licking River	71.4	Cave Run Lake Dam	173.6	Bracken	Bath	102.2
Middle Fork Kentucky River	North Fork Kentucky River	0.0	Freeman Fork	36.5	Lee	Breathitt	36.5
Mississippi River	Tennessee State Line	882.6	Ohio River	953.8	Fulton	Ballard	71.2
Nolin River	Green River	0.0	Nolin Lake Dam	8.1	Edmonson	Edmonson	8.1
Nolin River	Nolin Lake	64.3	Cox Run	98.8	Grayson	Hardin	34.5
North Fork Kentucky River	South Fork Kentucky River	254.8	Carr Fork	367.8	Lee	Perry	113.0
Ohio River	Mississippi River	0.0	Tennessee River	48.8	Ballard	Livingston	48.8
Ohio River	Tennessee River	48.8	Tradewater River	108.0	Livingston	Union	59.2
Ohio River	Tradewater River	108.0	Green River	197.4	Union	Henderson	89.4
Ohio River	Green River	197.4	Salt River	351.5	Henderson	Hardin	154.1
Ohio River	Salt River	351.5	Kentucky River	435.6	Hardin	Carroll	84.1
Ohio River	Kentucky River	435.6	Licking River	511.2	Carroll	Kenton	75.6
Ohio River	Licking River	511.2	Big Sandy River	664.0	Campbell	Boyd	152.8
Red River	Kentucky River	0.0	Hatcher Creek	33.2	Clark	Powell	33.2

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Rockcastle River	Lake Cumberland	8.5	Roundstone Creek	41.3	Laurel	Rockcastle	32.8
Rolling Fork	Salt River	0.0	Beech Fork	20.2	Bullitt	Nelson	20.2
Rolling Fork	Beech Fork	20.2	Otter Creek	62.5	Nelson	Larue	42.3
Rough River	Green River	0.0	Rough River Lake Dam	89.4	Ohio	Breckinridge	89.4
South Fork Kentucky River	Kentucky River	0.0	Red Bird River	45.1	Lee	Clay	45.1

WATER RESOURCES (Future Development)--CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Big Sandy River	Ohio River	0.0	Levisa Fork	26.8	Boyd	Lawrence	26.8
Eagle Creek	Kentucky River	0.0	Tenmile Creek (near Glencoe, Ky)	27.3	Carroll	Grant	27.3
Levisa Fork	Big Sandy River	0.0	Beaver Creek	91.8	Lawrence	Floyd	91.8
Levisa Fork	Beaver Creek	91.8	Russell Fork	123.6	Floyd	Pike	31.8
Licking River	Ohio River	0.0	North Fork Licking River	71.4	Kenton	Bracken	71.4
Mud River	Green River	0.0	Wolf Lick Creek	30.5	Butler	Logan	30.5
Salt River	Ohio River	0.0	Taylorville Lake Dam	59.5	Bullitt	Spencer	59.5
South Fork Licking River	Licking River	0.0	Stoner Creek	65.1	Pendleton	Bourbon	65.1
Tradewater River	Ohio River	0.0	Craborchard Creek	20.5	Crittenden	Crittenden	20.5

WATER RESOURCES (Future Development)--CLASS 3 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Elkhorn Creek	Kentucky River	0.0	Forks of Elkhorn	17.8	Franklin	Franklin	17.8
Licking River	North Fork	197.4	Salyersville, Ky	269.0	Rowan	Magoffin	71.6
Pond River	Green River	0.0	Flat Creek	31.1	Hopkins	Hopkins	31.1
Pond River	Flat Creek	31.1	Coal Creek	64.0	Hopkins	Christian	32.9
Tradewater River	Craborchard Creek	20.5	Caney Creek	95.0	Crittenden	Hopkins	74.5

WATER RESOURCES (Hydropower)--CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Cumberland River	Lake Barkley Dam	30.6		30.6	Livingston		0.0
Cumberland River	Wolf Creek Dam	460.9		460.9	Russell		0.0
Tennessee River	Kentucky Lake Dam	22.4		22.4	Marshall		0.0

WATER RESOURCES (Hydropower)--CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Dix River	Dix Dam	3.0		3.0	Garrard		0.0
Laurel River	Laurel River Lake Dam	2.1		2.1	Laurel		0.0
Ohio River	McAlpin Dam	375.5		375.5	Jefferson		0.0
Ohio River	Greenup Lock & Dam	640.4		640.4	Greenup		0.0

WATER RESOURCES (Hydropower)--CLASS 3 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Kentucky River	Lock & Dam No. 7	117.0		117.0	Jessamine		0.0

WATER RESOURCES (Navigability)--CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Big Sandy River	Ohio River	0.0	8.6 mile upstream	8.6	Boyd	Boyd	8.6
Cumberland River	Ohio River	0.0	Lake Barkley Dam	30.6	Livingston	Livingston	30.6
Green River	Ohio River	0.0	109 mile upstream	109.0	Henderson	Butler	109.0
Licking River	Ohio River	0.0	Seven miles upstream	7.0	Campbell	Campbell	17.0
Mississippi River	Tennessee State Line	882.6	Ohio River	953.8	Fulton	Ballard	71.2
Ohio River	Mississippi	0.0	Big Sandy River	664.0	Ballard	Boyd	664.0
Tennessee River	Ohio River	0.0	Kentucky Lake Dam	22.4	McCracken	Livingston	22.4

WATER RESOURCES (Navigability)--CLASS 2 RIVERS

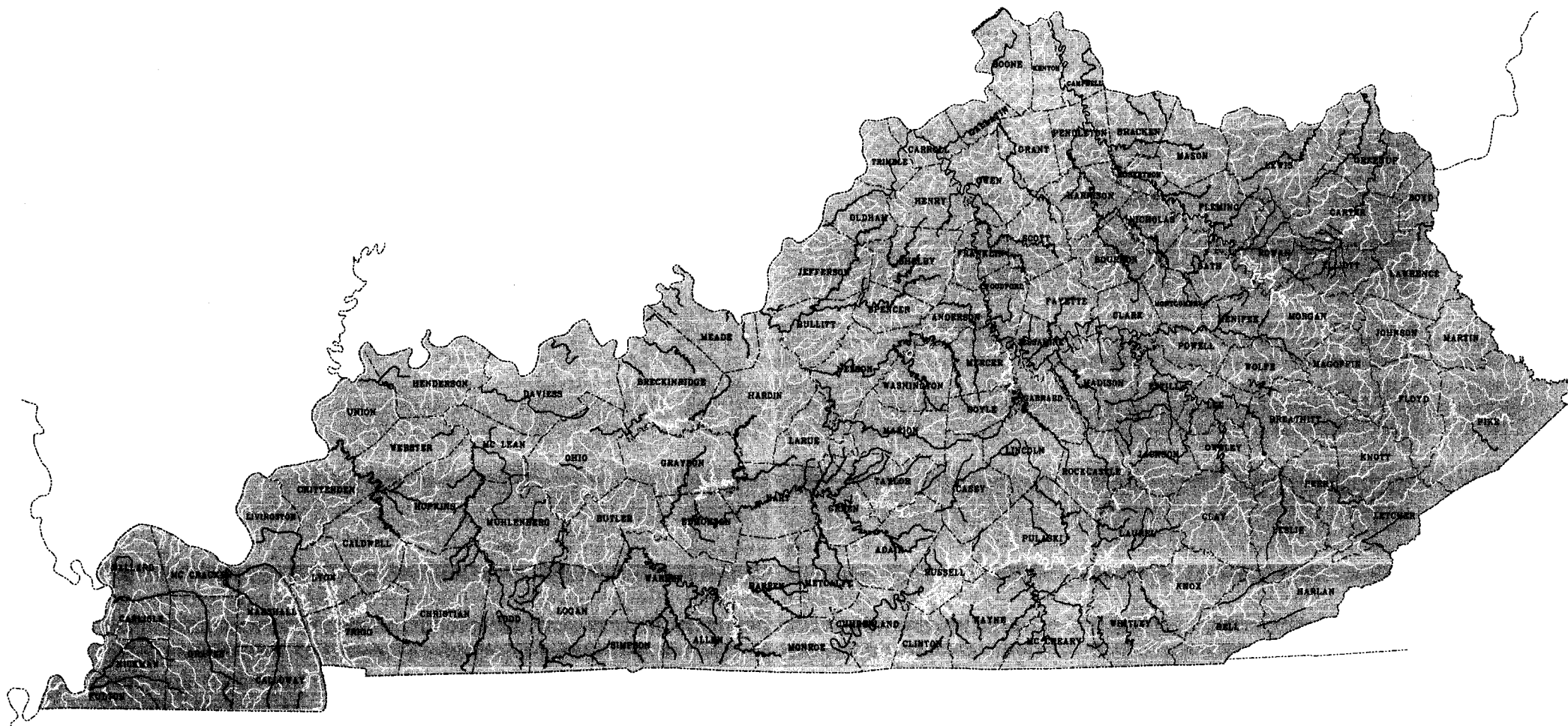
River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Kentucky River	Ohio River	0.0	Frankfort	64.3	Carroll	Franklin	64.3

Wildlife Resources



Kentucky's riparian lands provide valuable habitat for abundant and diverse populations of wildlife. Key habitats are those that contain federal or state endangered or threatened species, or have unique or unusual biological diversity, or provide for hunting and trapping. The wildlife diversity of Kentucky's riverine environments provides a significant contribution to its quality of life and economic well-being. Wildlife resource rivers are of national importance for the habitat they provide to federally threatened and endangered species. Many of the rivers also provide excellent habitat for large numbers of wintering waterfowl from the northern states and Canada.

Wildlife Resource Study Rivers



EVALUATION METHODOLOGY

Rivers and streams and adjacent corridors were evaluated to determine those areas significant for wildlife resources. The evaluation considered the condition of key habitat areas, recreational or commercial opportunities, occurrence of unique or protected species, and the potential for habitat linkage via the river corridor. Each study river included in the wildlife resources category met one of the following **minimum standards**:

- occurrence of key habitat areas including wetlands and bottomland hardwoods, old-growth forests, or highly diverse biotic communities
- habitat areas of species important for recreational and/or economic values
- critical habitat for state or federal endangered or threatened species; or for species designated by the Kentucky Academy of Sciences or Kentucky State Nature Preserves Commission as endangered or threatened
- habitat areas that provide a link to other key habitat areas necessary for maintaining minimum viable populations
- habitat of species with small populations or limited distribution that could result in future endangered status if habitats suffer increased degradation or disturbance

Each river segment with key wildlife-related values was evaluated according to the presence of specific factors. The area considered in the evaluation included the river and a corridor extending 1000 feet beyond the 100-year floodplain. A numeric score was assigned to each study segment based on an evaluation using four criteria. The scores for each segment were totaled, and a value class assigned according to the overall score. The criteria used in the evaluation and the numeric scores assigned are as follows:

Key Habitat Areas (condition of river and corridor and the presence of wildlife; areas considered included amount of disturbance, communities of special concern, wildlife diversity and productivity, and seasonal habitats)

Riparian area relatively undisturbed and includes 1) communities of special concern (e.g. developed riparian vegetation, old-growth hardwood bottomland forests, oxbow sloughs or wetlands), 2) communities with high wildlife diversity and productivity, and 3) important seasonal habitats 50 points

Riparian area habitats exhibit evidence of human disturbance but retain wildlife habitat values and/or relatively undisturbed habitats 20 points

Riparian habitats exhibit considerable evidence of human disturbance and limited potential for vegetative rehabilitation 10 points

Recreational and Commercial Opportunities (species abundance and diversity, access, and known or suspected level of recreational or commercial use)

Greatest potential for recreational or commercial use due to close proximity to population centers, ease of access via public lands and species abundance and diversity 50 points

Moderately accessible, considerable use for recreational or commercial purposes, good species diversity and proximity to population centers 30 points

Poor access, low usage, low species diversity, and no population centers 10 points

Threatened and Endangered Species (occurrence and potential occurrence of federal and state threatened and endangered species)

Occurrence of federally threatened or endangered species 50 points

- or state endangered species
- Federal status-review species or state threatened or special concern species 40 points
- High potential for threatened or endangered species 30 points
- Moderate potential for threatened or endangered species 20 points
- No known threatened or endangered species and low potential for occurrence 10 points

An overall score was computed for each of the river corridors evaluated and placed in order according to numerical score. The study segments were then divided into three subcategories represented by value class rankings as follows:

- Class 1**160 - 200 points
- Class 2**142 - 159 points
- Class 3**116 - 141 points

2 segments ranged in length from 1.1 to 97.6 miles, averaged 22.1 miles, and are distributed across the state.

Eighty rivers covering 1,483.4 miles were identified as Class 3 rivers. Class 3 rivers ranged in length from 1.8 to 89.1 miles, averaged 18.5 miles and are located throughout the state.

Table 27. Wildlife Resources Evaluation Summary

	Class 1	Class 2	Class 3	Total
Number of Segments	89	78	80	247
Miles	2810.8	1726.9	1483.4	6021.1

Corridor Linkage (interconnection of key habitat areas by river corridors)

- Continuous habitat on both sides of corridor (no breaks greater than 300 feet); provides only habitat capable of supporting viable wildlife populations in area 50 points
- Discontinuous habitat greater than 300 feet in length on one stream-side with potential for restoration 30 points
- Frequent and lengthy breaks in habitat with limited potential for restoration as functional wildlife corridor 10 points

FINDINGS

A total of 247 segments (18.1% of the rivers studied in the assessment) covering 6,021.1 miles (15.6% of the total miles) were evaluated in the Wildlife Resources Category. Segments ranged in length from 1.1 miles (Indian Creek) to 254.8 miles (Kentucky River).

Eighty-nine rivers covering 2,810.8 miles were identified as Class 1 wildlife rivers. Class 1 segments ranged in length from 1.6 to 254.8 miles, averaged 31.6 miles, and are located throughout the state.

Seventy-eight rivers covering 1,726.9 miles were identified as Class 2 wildlife rivers. Class

SOURCES OF INFORMATION

- Kentucky Department of Fish and Wildlife Resources, Fish and Wildlife Information System
- Warren, Melvin L., et al., *Transactions of the Kentucky Academy of Science - Endangered, Threatened, and Rare Plants and Animals of Kentucky*, November 1986.
- Wildlife Biologists, Kentucky Department for Fish and Wildlife Resources, Personal Communication, 1990

WILDLIFE RESOURCES--CLASS 1 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Bacon Creek	Nolin Lake	5.7	Headwaters	31.2	Hart	Hart	25.5
Bad Branch	Poor Fork Cumberland River	0.0	Headwaters	4.1	Letcher	Letcher	4.1
Barren River	Green River	0.0	Barren River Lake Dam	79.2	Butler	Allen	79.2
Barren River	Barren River Lake	118.5	Headwaters	158.7	Allen	Monroe	40.2
Bayou de Chien	Mississippi River	0.0	Headwaters	30.6	Fulton	Graves	30.6
Bays Fork	Barren River	0.0	Headwaters	27.6	Allen	Allen	27.6
Beaver Creek	Lake Cumberland	2.2	Headwaters	9.2	McCreary	McCreary	7.0
Beaver Creek	Cave Run Lake	11.4	Fenchburg, Ky	15.9	Menifee	Menifee	4.5
Beaver Creek	Barren River Lake	13.2	Headwaters	38.2	Barren	Metcalfe	25.0
Beech Fork	Rolling Fork	0.0	Headwaters	110.3	Nelson	Marion	110.3
Big Caney Creek	Grayson Lake	2.2	Headwaters	15.0	Elliott	Elliott	12.8
Big Gimlet Creek	Grayson Lake	2.8	Headwaters	6.6	Elliott	Elliott	3.8
Big Pitman Creek	Green River	0.0	Headwaters	42.2	Green	Taylor	42.2
Big South Fork Cumberland R.	Lake Cumberland	16.5	Tennessee State Line	55.2	Pulaski	McCreary	38.7
Blackford Creek	Ohio River	0.0	Highway 1389	17.8	Daviess	Hancock	17.8
Blackwater Creek	Cave Run Lake	7.7	Headwaters	15.7	Morgan	Morgan	8.0
Blood River	Kentucky Lake	8.3	Tennessee State Line	15.7	Calloway	Calloway	7.4
Brushy Fork	Cave Run Lake	0.7	Headwaters	5.0	Menifee	Menifee	4.3
Buck Creek	Lake Cumberland	10.5	Headwaters	62.4	Pulaski	Lincoln	51.9
Caney Branch	Sink Hole near Dale Hollow Lake	0.0	Headwaters	2.2	Clinton	Clinton	2.2
Clear Creek	Tradewater River	0.0	Airport Road	24.2	Hopkins	Hopkins	24.2
Clover Creek	Ohio River	0.0	Ky 992	15.3	Breckinridge	Breckinridge	15.3
Cold Cave Creek	Cave Run Lake	1.0	Headwaters	3.4	Menifee	Menifee	2.4
Cumberland River	Ohio River	0.0	Lake Barkley Dam	30.6	Livingston	Livingston	30.6
Cumberland River	Tennessee State Line	385.5	Wolf Creek Dam	460.9	Monroe	Russell	75.4
Cypress Creek	Pond River	0.0	Headwaters	33.3	McLean	Muhlenberg	33.3
Dog Slaughter Creek	Cumberland River	0.0	Headwaters	5.4	Whitley	Whitley	5.4
Drakes Creek	Barren River	0.0	West & Middle Forks	23.5	Warren	Warren	23.5
East Fork Clarks River	Clarks River	0.0	Tennessee State Line	7.4	Calloway	Calloway	7.4
East Fork Indian Creek	Indian Creek	0.0	Headwaters	7.0	Menifee	Menifee	7.0

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
East Hickman Creek	Hickman Creek	0.0	Headwaters	14.0	Jessamine	Fayette	14.0
Elk Creek	Pond River	0.0	Ky 254	12.9	Hopkins	Hopkins	12.9
Elk Pond Creek	Pond River	0.0	Green Chapel Road	3.8	Muhlenberg	Muhlenberg	3.8
Elkhorn Creek	Kentucky River	0.0	Forks of Elkhorn	17.8	Franklin	Franklin	17.8
Flat Creek	Pond River	0.0	Pennyrile Pkwy	5.1	Hopkins	Hopkins	5.1
Floyds Fork	Salt River	0.0	Headwaters	67.0	Bullitt	Henry	67.0
Gasper River	Barren River	0.0	Bucksville Road	32.3	Warren	Logan	32.3
Green River	West Bndry Mammoth Cave National Park	182.7	East Bndry Mammoth Cave National Park	207.7	Edmonson	Hart	25.0
Green River	Green River Lake	339.9	Headwaters	383.5	Adair	Lincoln	43.6
Gunpowder Creek	Ohio River	0.0	Headwaters	21.0	Boone	Boone	21.0
Harrods Creek	Ohio River	0.0	Headwaters	31.7	Jefferson	Henry	31.7
Hickman Creek	Kentucky River	0.0	East Hickman	25.0	Jessamine	Fayette	25.0
Highland Creek	Ohio River	0.0	Gaines Road	17.7	Union	Henderson	17.7
Indian Creek	Red River	0.0	Headwaters	7.4	Menifee	Menifee	7.4
Jessamine Creek	Kentucky River	0.0	Headwaters	18.7	Jessamine	Jessamine	18.7
Kentucky River	Ohio River	0.0	Beattyville	254.8	Carroll	Lee	254.8
Laurel Creek	Little Sandy River	0.0	Headwaters	13.5	Elliott	Rowan	13.5
Lick Creek	Rockcastle River	0.0	Headwaters	4.0	Pulaski	Pulaski	4.0
Lick Creek	Clear Creek	0.0	O'Brien Rd.	7.6	Hopkins	Hopkins	7.6
Licking River	Ohio River	0.0	Cave Run Lake Dam	173.6	Campbell	Bath	173.6
Little Barren River	Green River	0.0	East and South Forks	20.9	Green	Metcalfe	20.9
Little Caney Creek	Big Caney Creek	0.0	Headwaters	9.0	Elliott	Elliott	9.0
Little River	Lake Barkley	16.3	North & South Forks	61.0	Trigg	Christian	44.7
Little South Fork Cumberland R	Lake Cumberland	4.1	Tennessee State Line	43.7	McCreary	Wayne	39.6
Long Creek	Barren River Lake	7.5	Tennessee State Line	14.0	Allen	Allen	6.5
Marsh Creek	Cumberland River	0.0	Tennessee State Line	24.6	McCreary	McCreary	24.6
Mayfield Creek	Mississippi River	0.0	Headwaters	61.3	Carlisle	Graves	61.3
Middle Fork Drakes Creek	Drakes Creek	0.0	Tennessee State Line	18.8	Warren	Allen	18.8
Middle Fork Little Sandy River	Grayson Lake	0.0	Headwaters	7.3	Elliott	Elliott	7.3
Middle Pitman Creek	Big Pitman Creek	0.0	Headwaters	13.9	Green	Taylor	13.9
Newcombe Creek	Grayson Lake	1.0	Headwaters	6.9	Elliott	Elliott	5.9
Nolin River	Nolin Lake	64.3	Valley Creek	93.3	Grayson	Hardin	29.0

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Obion Creek	Mississippi River	0.0	Graves County Line	42.9	Fulton	Hickman	42.9
Panther Creek	Green River	0.0	South Fork	22.6	Daviess	Daviess	22.6
Peter Creek	Barren River	0.0	Headwaters	19.6	Barren	Monroe	19.6
Pitman Creek	Lake Cumberland	5.5	Headwaters	34.3	Pulaski	Pulaski	28.8
Pond Creek	Highland Creek	0.0	Headwaters	17.2	Union	Henderson	17.2
Pond River	Green River	0.0	Headwaters	101.1	Hopkins	Todd	101.1
Red River	Kentucky River	0.0	Headwaters	94.2	Clark	Wolfe	94.2
Right Fork Little Sandy River	Middle Fork Little Sandy River	0.0	Headwaters	4.8	Elliott	Elliott	4.8
Rock Creek	Big South Fork Cumberland River	0.0	Tennessee State Line	21.9	McCreary	McCreary	21.9
Rolling Fork	Bluegrass Parkway	23.5	Big South Fork	107.9	Hardin	Marion	84.4
Rough River	Ky 69 at Dundee, Ky	56.5	Rough River Lake Dam	89.4	Ohio	Breckinridge	32.9
Russell Creek	Green River	0.0	Headwaters	68.1	Green	Russell	68.1
Russell Fork	Levisa Fork	0.0	Virginia State Line	16.0	Pike	Pike	16.0
Salt River	Ohio River	0.0	Taylorsville Lake Dam	59.5	Bullitt	Spencer	59.5
Shillalah Creek	Clear Fork	0.0	Headwaters	5.4	Bell	Bell	5.4
Silver Creek	Kentucky River	0.0	Headwaters	36.2	Madison	Madison	36.2
Sinking Creek	Big South Fork	0.0	Dry Fork	11.6	Wayne	Wayne	11.6
Six Mile Creek	Kentucky River	0.0	Headwaters	23.6	Shelby	Henry	23.6
Skeggs Creek	Barren River Lake	23.1	Headwaters	51.1	Barren	Metcalf	28.0
South Fork Panther Creek	Panther Creek	0.0	Headwaters	25.3	Daviess	Ohio	25.3
South Fork Red River	Red River	0.0	Tennessee State Line	8.0	Logan	Logan	8.0
Station Camp Creek	Kentucky River	0.0	War Fork	22.3	Estill	Jackson	22.3
Tradewater River	Ohio River	0.0	Beshear Creek	92.2	Crittenden	Caldwell	92.2
Trammel Fork	Drakes Creek	0.0	Tennessee State Line	30.2	Warren	Allen	30.2
West Fork Pond River	Pond River	0.0	Headwaters	27.0	Christian	Christian	27.0
West Fork Red River	Tennessee State Line	14.5	Headwaters	46.8	Christian	Todd	32.3
Wolf Creek	Lake Cumberland	11.4	Headwaters	20.5	Pulaski	Pulaski	9.1

WILDLIFE RESOURCES--CLASS 2 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Bear Creek	Green River	0.0	Headwaters	45.6	Edmonson	Grayson	45.6
Beaver Creek	Lake Cumberland	24.4	Headwaters	38.8	Wayne	Wayne	14.4
Beaver Dam Creek	Green River	0.0	Headwaters	7.6	Edmonson	Edmonson	7.6
Beech Creek	Salt River	0.0	Headwaters	30.0	Spencer	Shelby	30.0
Benson Creek	Kentucky River	0.0	Ky 1005	4.5	Franklin	Franklin	4.5
Big Reedy Creek	Green River	0.0	Headwaters	19.0	Butler	Grayson	19.0
Buckhorn Creek	Troublesome Creek	0.0	Headwaters	13.9	Breathitt	Knott	13.9
Bull Creek	Ohio River	0.0	Headwaters	3.9	Breckinridge	Breckinridge	3.9
Cane Creek	Rockcastle River	0.0	Headwaters	12.0	Laurel	Laurel	12.0
Chaplin River	Beech Fork	0.0	Headwaters	88.6	Washington	Boyle	88.6
Clarks River	Tennessee River	0.0	East Fork Clarks River	59.9	McCracken	Calloway	59.9
Clemons Fork	Buckhorn Creek	0.0	Headwaters	4.7	Breathitt	Breathitt	4.7
Clifty Creek	Wolf Lick Creek	0.0	Headwaters	20.4	Logan	Todd	20.4
Coles Fork	Buckhorn Creek	0.0	Headwaters	6.4	Breathitt	Knott	6.4
Cooper Creek	Big S. Fork Cumberland	0.0	Headwaters	6.0	McCreary	McCreary	6.0
Craney Creek	Cave Run Lake	3.5	Headwaters	10.4	Rowan	Rowan	6.9
Deer Creek	Green River	0.0	Deer Creek Road	11.1	Webster	Webster	11.1
Dix River	Herrington Lake (Ky 52)	34.6	Headwaters	80.0	Boyle	Rockcastle	45.4
Eagle Creek	Cumberland River	0.0	Headwaters	6.2	McCreary	McCreary	6.2
Eagle Creek	Kentucky River	0.0	Headwaters	93.4	Carroll	Scott	93.4
Elk Fork Red River	Tennessee State Line	8.4	Headwaters	37.2	Todd	Todd	28.8
Falling Timber Creek	Skaggs Creek	0.0	Headwaters	14.7	Barren	Metcalfe	14.7
Fugitt Creek	Clover Fork of Cumberland River	0.0	Headwaters	4.7	Harlan	Harlan	4.7
Glover Creek	Falling Timber Creek	0.0	Headwaters	12.2	Barren	Metcalfe	12.2
Green River	East Bndry Mammoth Cave National Park	207.7	Greensburg, Ky.	279.3	Edmonson	Green	71.6
Illwill Creek	Dale Hollow	6.0	Headwaters	13.0	Clinton	Clinton	7.0
Indian Creek	Lake Cumberland	7.3	Headwaters	8.4	Clinton	Clinton	1.1
Kinniconick Creek	Ohio River	0.0	Headwaters	50.4	Lewis	Lewis	50.4
Knob Creek	Pond Creek	0.0	Sunnyside Church	8.8	Bullitt	Bullitt	8.8

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Line Fork	Line Fork, Ky.	14.9	Gordon, Ky.	19.3	Letcher	Letcher	4.4
Little Brush Creek	Big Brush Creek	0.0	Headwaters	19.1	Green	Taylor	19.1
Little Clifty Creek	Clifty Creek	0.0	Headwaters	5.3	Todd	Todd	5.3
Little Difficult Creek	Barren River	0.0	Headwaters	3.9	Allen	Allen	3.9
Little Kentucky River	Ohio River	0.0	Lake Jerrico Dam	27.2	Carroll	Henry	27.2
Little Sandy River	Ohio River	0.0	Grayson Lake Dam	51.0	Greenup	Carter	51.0
Little Sandy River	Grayson Lake	70.6	Headwaters	83.5	Elliott	Elliott	12.9
Long Falls	Green River	0.0	Scotts Bridge Road	5.5	McLean	McLean	5.5
Long Fork	Salt Lick Creek	0.0	Tennessee State Line	2.0	Monroe	Monroe	2.0
Looney Creek	Poor Fork Cumberland River	0.0	Headwaters	8.0	Harlan	Harlan	8.0
Lynn Camp Creek	Green River	0.0	Headwaters	12.9	Hart	Larue	12.9
Martins Fork	Martins Fork Lake	18.1	Headwaters	37.3	Harlan	Bell	19.2
Meadow Creek	Lake Cumberland	0.2	Headwaters	9.6	Wayne	Wayne	9.4
Middle Fork Rockcastle River	Rockcastle River	0.0	Indian Creek	7.8	Jackson	Jackson	7.8
Mud River	Green River	0.0	Motts Lick Creek	52.2	Butler	Logan	52.2
Muddy Creek	Rough River	0.0	Mt. Pleasant-Hickory Ch. Road	9.4	Ohio	Ohio	9.4
Muddy Creek	Kentucky River	0.0	Lake Vega Dam (Army Depot)	23.3	Madison	Madison	23.3
Nolin River	Green River	0.0	Nolin Lake Dam	8.1	Edmonson	Edmonson	8.1
North Fork Elkhorn Creek	Forks of Elkhorn	0.0	Fayette County Line	51.0	Franklin	Scott	51.0
North Fork Licking River	Cave Run Lake	9.9	Headwaters	21.3	Morgan	Morgan	11.4
North Fork Licking River	Licking River	0.0	Lewisburg, Ky	54.1	Bracken	Mason	54.1
North Fork Triplett Creek	Triplett Creek	0.0	Headwaters	25.6	Rowan	Rowan	25.6
Otter Creek	Ohio River	0.0	Hardin County Line	21.0	Meade	Hardin	21.0
Otter Creek	Lake Cumberland	13.0	Headwaters	27.5	Wayne	Wayne	14.5
Paint Lick Creek	Kentucky River	0.0	Headwaters	30.8	Garrard	Garrard	30.8
Pleasant Run	Red River	0.0	Headwaters	7.2	Logan	Logan	7.2
Pond Creek	Green River	0.0	Ky 176	14.3	Muhlenberg	Muhlenberg	14.3
Poor Fork Cumberland River	Looney Creek	719.3	Headwaters	744.0	Harlan	Letcher	24.7
Puncheon Creek	Barren River Reservoir	0.6	Tennessee State Line	3.4	Allen	Allen	2.8
Red River	Tennessee State Line	50.2	Tennessee State Line	80.5	Simpson	Logan	30.3
Robinson Creek	Green River Lake	18.5	Headwaters	28.1	Taylor	Taylor	9.6
Rock Creek	Rockcastle River	0.0	Headwaters	2.0	Laurel	Laurel	2.0
Salt River	Taylorsville Lake	82.0	Headwaters	148.7	Spencer	Boyle	66.7

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Severn Creek	Kentucky River	0.0	Headwaters	13.4	Owen	Owen	13.4
Slate Creek	Licking River	0.0	Headwaters	59.3	Bath	Menifee	59.3
South Fork Elkhorn Creek	Forks of Elkhorn	0.0	Fayette County line	48.0	Franklin	Scott	48.0
South Fork Licking River	Licking River	0.0	Stoner Creek	65.1	Pendleton	Bourbon	65.1
Spring Creek	Ohio River	0.0	Headwaters	6.2	Meade	Meade	6.2
Spring Creek	Dale Hollow Lake	1.9	Headwaters	11.2	Clinton	Clinton	9.3
Sulphur Spring Creek	Red River	0.0	Headwaters	9.2	Simpson	Simpson	9.2
Tennessee River	Ohio River	0.0	Kentucky Lake Dam	22.4	McCracken	Livingston	22.4
Terrapin Creek	Tennessee State Line	2.8	Headwaters	12.5	Graves	Graves	9.7
Town Creek	Ohio River	0.0	Headwaters	5.8	Breckinridge	Breckinridge	5.8
Weirs Creek	Clear Creek	0.0	Dixon Rd.	6.1	Hopkins	Hopkins	6.1
West Fork Drakes Creek	Drakes Creek	0.0	Tennessee State Line	32.8	Warren	Simpson	32.8
Whippoorwill Creek	Red River	0.0	Headwaters	44.7	Logan	Todd	44.7
Wolf Creek	Ohio River	0.0	Headwaters	9.7	Meade	Meade	9.7
Wolf Lick Creek	Mud River	0.0	Headwaters	27.4	Logan	Logan	27.4
Yellowbank Creek	Ohio River	0.0	Ky 144	11.0	Breckinridge	Breckinridge	11.0

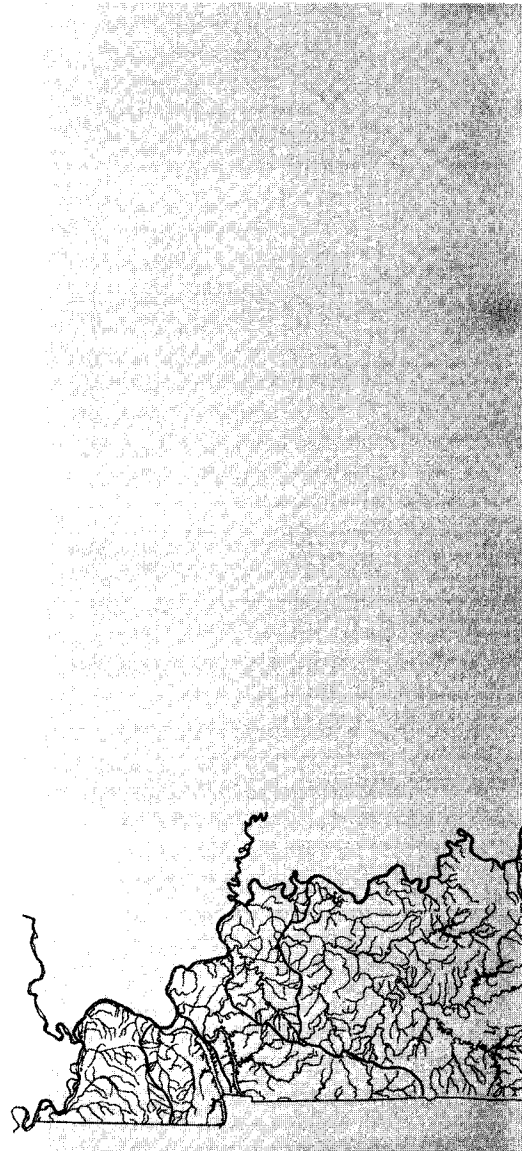
WILDLIFE RESOURCES--CLASS 3 RIVERS

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Bark Camp Creek	Cumberland River	0.0	Headwaters	9.1	Whitley	Whitley	9.1
Bear Creek	Cumberland River	0.0	Headwaters	9.0	Cumberland	Cumberland	9.0
Big Brush Creek	Green River	0.0	Headwaters	19.9	Green	Green	19.9
Big South Fork Rolling Fork	Rolling Fork	0.0	Headwaters	21.8	Marion	Casey	21.8
Blaine Creek	Big Sandy River	0.0	Yatesville Dam	12.0	Lawrence	Lawrence	12.0
Bracken Creek	Ohio River	0.0	Headwaters	14.3	Bracken	Mason	14.3
Brush Creek	Green River	0.0	Headwaters	11.3	Casey	Casey	11.3
Bullskin Creek	Brashears Creek	0.0	Ky 53	16.8	Shelby	Shelby	16.8
Casey Creek	Green River Lake	8.8	Headwaters	22.9	Adair	Casey	14.1
Cedar Creek	Kentucky River	0.0	Headwaters	15.2	Owen	Franklin	15.2

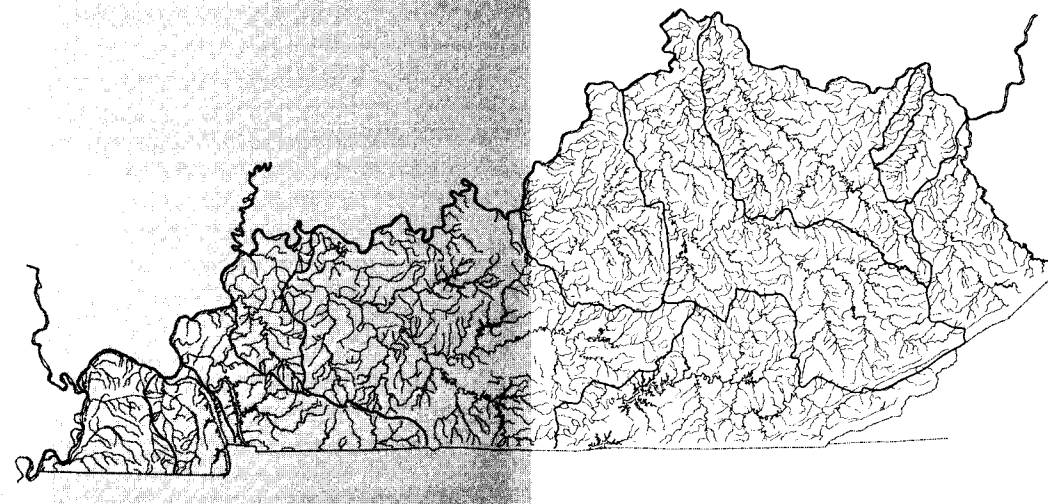
River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Cherokee Creek	Blaine Creek	0.0	Headwaters	5.0	Lawrence	Lawrence	5.0
Clear Creek	Brashears Creek	0.0	Headwaters	26.4	Shelby	Shelby	26.4
Clear Creek	Kentucky River	0.0	Headwaters	19.3	Woodford	Woodford	19.3
Clear Fork	Cumberland River	0.0	Tennessee State Line	22.9	Whitley	Whitley	22.9
Clover Bottom Creek	Horse Lick Creek	0.0	Headwaters	10.3	Jackson	Jackson	10.3
Coal Creek	Pond River	0.0	Headwaters	8.4	Christian	Christian	8.4
Crows Creek	Cumberland River	0.0	Headwaters	1.8	Cumberland	Russell	1.8
Difficult Creek	Barren River	0.0	Headwaters	8.6	Allen	Allen	8.6
Doe Run	Ohio River	0.0	Ky 448	6.5	Meade	Meade	6.5
Drakes Creek	Pond River	0.0	Headwaters	21.3	Hopkins	Hopkins	21.3
Dry Fork	South Fork Green River	0.0	Headwaters	5.8	Casey	Casey	5.8
East Fork Little Barren River	Little Barren River	0.0	Headwaters	29.5	Metcalfe	Metcalfe	29.5
Fox Creek	Licking River	0.0	Headwaters	26.3	Fleming	Fleming	26.3
Glenns Fork	Russell Creek	0.0	Headwaters	7.5	Adair	Adair	7.5
Greasy Creek	Lake Cumberland	6.6	Headwaters	14.3	Russell	Russell	7.7
Guist Creek	Brashears Creek	0.0	Guist Creek Lake Dam	27.6	Shelby	Shelby	27.6
Hanging Fork	Dix River	0.0	Headwaters	32.3	Boyle	Casey	32.3
Hawk Creek	Rockcastle River	0.0	Headwaters	6.6	Laurel	Laurel	6.6
Hinkston Creek	South Fork Licking River	0.0	Headwaters	70.8	Bourbon	Montgomery	70.8
Horse Lick Creek	Rockcastle River	0.0	Headwaters	21.2	Jackson	Jackson	21.2
Indian Creek	Cumberland River	0.0	Headwaters	11.9	McCreary	McCreary	11.9
Indian Creek	Middle Fork Rockcastle River	0.0	Birch Lick & Pidgeon Roost Branch	7.3	Jackson	Jackson	7.3
Irish Creek	Blaine Creek	0.0	Headwaters	5.8	Lawrence	Lawrence	5.8
Jellico Creek	Cumberland River	0.0	Tennessee State Line	25.1	Whitley	McCreary	25.1
Jonathan Fork	Trace Fork	0.0	Headwaters	5.6	Casey	Casey	5.6
Laurel Fork	Middle Fork Rockcastle River	0.0	Headwaters	12.2	Jackson	Jackson	12.2
Laurel River	Laurel Lake at Ky 770	21.7	Headwaters	51.0	Laurel	Laurel	29.3
Lick Run	Beech Fork	0.0	Headwaters	7.2	Washington	Marion	7.2
Lily Creek & Big Lily Creek	Lake Cumberland	4.7	Headwaters	11.7	Russell	Russell	7.0
Little Laurel River	Laurel River	0.0	Headwaters	24.4	Laurel	Laurel	24.4
Little Pitman Creek	Big Pitman	0.0	Headwaters	15.6	Green	Taylor	15.6
Locust Creek	Ohio River	0.0	Headwaters	12.4	Bracken	Bracken	12.4

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Marrowbone Creek	Cumberland River	0.0	Headwaters	22.0	Cumberland	Metcalf	22.0
McFarland Creek	West Fork Pond River	0.0	Headwaters	10.4	Hopkins	Christian	10.4
Meadow Creek	Cumberland River	0.0	Headwaters	13.3	Whitley	Whitley	13.3
Meyers Fork	Beaver Creek at Cave Run Lake	1.4	Headwaters	6.0	Menifee	Menifee	4.6
Middle Fork Kentucky River	North Fork Kentucky River	0.0	Buckhorn Lake Dam	43.3	Lee	Perry	43.3
Middle Fork Kentucky River	Buckhorn Lake	76.6	Dry Fork at Spruce Pine	98.2	Leslie	Leslie	21.6
Mud Camp Creek	Cumberland River	0.0	Headwaters	8.4	Cumberland	Monroe	8.4
North Fork Kentucky River	Breathitt County Line	275.3	Mt. Carmel School	288.2	Breathitt	Breathitt	12.9
North Fork Kentucky River	Viper, Ky.	370.0	Ky 160 near Roxana	392.7	Perry	Letcher	22.7
Otter Creek	Kentucky River	0.0	Lake Reba	13.4	Madison	Madison	13.4
Plum Creek	Salt River	0.0	Wilsonville	10.5	Spencer	Spencer	10.5
Poplar Creek	Cumberland River	0.0	Headwaters	16.0	Whitley	Whitley	16.0
Red Lick Creek	Station Camp Creek	0.0	Headwaters	18.1	Estill	Madison	18.1
Roaring Paunch Creek	Big South Fork	0.0	Tennessee State Line	15.7	McCreary	McCreary	15.7
Rock Lick Creek	South Fork Station Camp Creek	0.0	Headwaters	9.2	Jackson	Jackson	9.2
Rough River	Rough River Lake	133.8	Headwaters	153.9	Hardin	Hardin	20.1
Roundstone Creek	Rockcastle River	0.0	Headwaters	28.4	Rockcastle	Rockcastle	28.4
Ryans Creek	Jellico Creek	0.0	Headwaters	5.4	Whitley	McCreary	5.4
Short Creek	Buck Creek	0.0	Headwaters	4.6	Pulaski	Pulaski	4.6
Sinking Creek	Rockcastle River	0.0	Headwaters	20.4	Laurel	Laurel	20.4
Sinking Creek	Ohio River	0.0	Blue Fork	39.8	Breckinridge	Breckinridge	39.8
South Fork Green River	Green River	0.0	Headwaters	12.2	Lincoln	Lincoln	12.2
South Fork Kentucky River	Kentucky River	0.0	Red Bird River	45.1	Lee	Clay	45.1
South Fork Little Barren River	Little Barren River	0.0	Headwaters	35.8	Metcalf	Metcalf	35.8
South Fork Station Camp Creek	Station Camp Creek	0.0	Headwaters	26.2	Jackson	Jackson	26.2
Stoner Creek	South Fork Licking River	0.0	Headwaters	72.2	Bourbon	Clark	72.2
Straight Creek	Cumberland River	0.0	Headwaters	24.3	Bell	Harlan	24.3
Sturgeon Creek	Kentucky River	0.0	Headwaters	33.4	Lee	Jackson	33.4
Sulphur Creek	Russell Creek	0.0	Headwaters	19.7	Adair	Russell	19.7
Tates Creek	Kentucky River	0.0	Shallow Ford Creek	6.5	Madison	Madison	6.5
Triplett Creek	Licking River	0.0	Headwaters	22.6	Rowan	Rowan	22.6
Twelvemile Creek	Ohio River	0.0	Headwaters	19.6	Campbell	Pendleton	19.6
Twin Creek	South Fork Licking River	0.0	Headwaters	7.8	Harrison	Harrison	7.8

River Name	Downstream Endpoint	River Mile	Upstream Endpoint	River Mile	Downstream County	Upstream County	Study Length
Tygarts Creek	Ohio River	0.0	Headwaters	89.1	Greenup	Carter	89.1
Upper Lick Fork	Cave Run Lake	2.9	Headwaters	6.3	Rowan	Rowan	3.4
War Fork Station Camp Creek	Station Camp Creek	0.0	Headwaters	13.7	Jackson	Jackson	13.7
Watts Creek	Cumberland River	0.0	Headwaters	12.7	Whitley	Whitley	12.7
Wood Creek	Wood Creek Reservoir	12.3	Headwaters	17.5	Laurel	Laurel	5.2

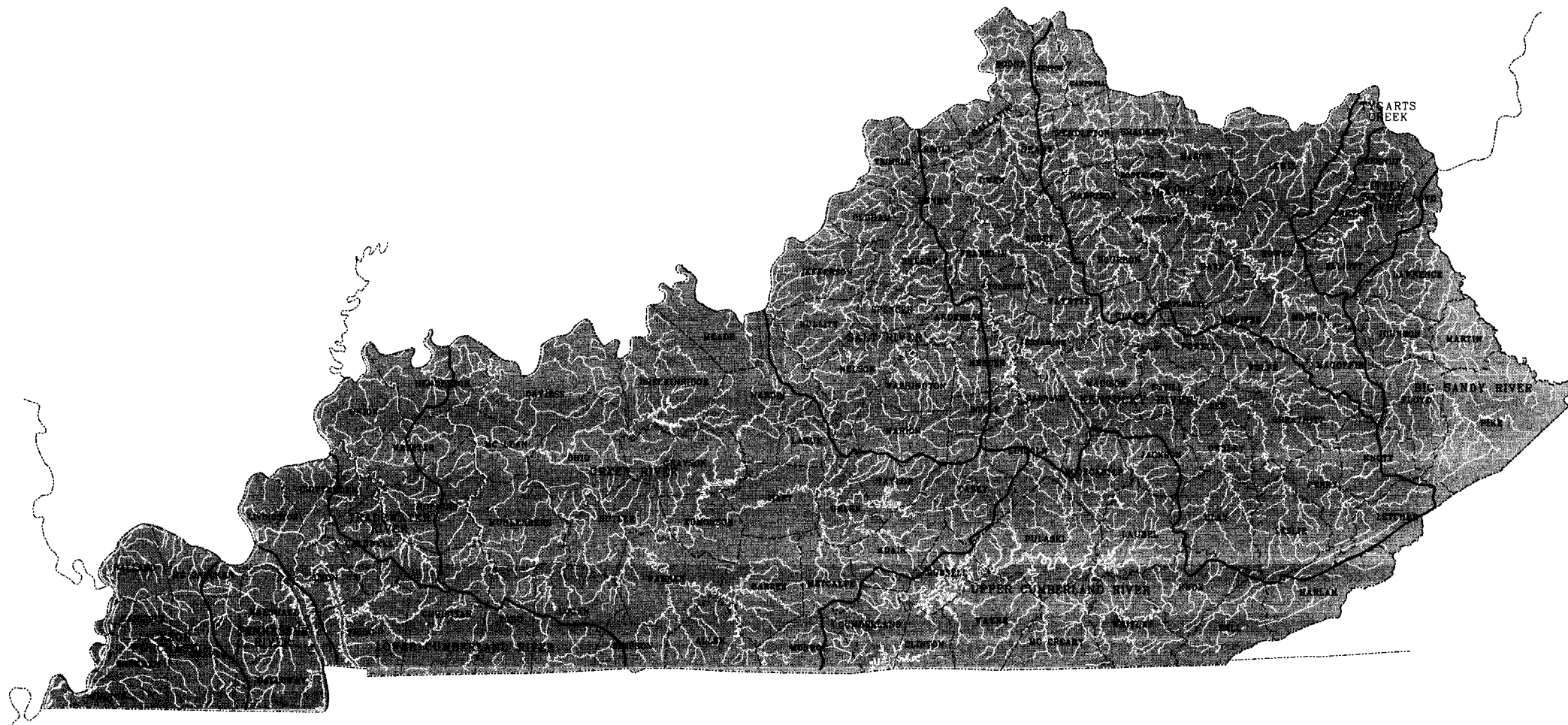


Resource Evaluation by River Basin



A summary of resource category(ies) and value class ranking for each study river has been organized by river basin. This approach provides a better understanding of the complex interrelationships of river-related values and constitutes a key parameter for river system planning and management. Accordingly, the following summary information is organized into twelve river basins of Kentucky consisting of Big Sandy, Green, Jackson Purchase, Kentucky, Licking, Little Sandy, Lower Cumberland, Salt, Tennessee, Tradewater, Tygarts, and Upper Cumberland.

River Basins of Kentucky



Resource Evaluations By River Basin

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
BIG SANDY RIVER BASIN						
Beaver Creek	Fish Resources	0.0	7.0	Floyd	7.0	3
Big Creek	Fish Resources	0.0	19.7	Pike	19.7	3
Big Sandy River	Agricultural Lands	0.0	26.8	Boyd	26.8	1
Big Sandy River	Corridor Character-Urban Rivers	0.0	2.6	Boyd	2.6	3
Big Sandy River	Water Resources-Future Development	0.0	26.8	Boyd	26.8	2
Big Sandy River	Water Resources-Navigation	0.0	8.6	Boyd	8.6	1
Blaine Creek	Agricultural Lands	0.0	12.0	Lawrence	12.0	2
Blaine Creek	Fish Resources	0.0	12.0	Lawrence	12.0	3
Blaine Creek	Recreational Boating-Flatwater	0.0	12.0	Lawrence	12.0	2
Blaine Creek	Wildlife Resources	0.0	12.0	Lawrence	12.0	3
Caney Fork	Fish Resources	0.0	11.5	Knott	11.5	3
Cherokee Creek	Agricultural Lands	0.0	5.0	Lawrence	5.0	2
Cherokee Creek	Wildlife Resources	0.0	5.0	Lawrence	5.0	3
Elkhorn Creek	Fish Resources	0.0	1.1	Pike	1.1	3
Hood Creek	Fish Resources	5.2	6.9	Lawrence	1.7	3
Irish Creek	Agricultural Lands	0.0	5.8	Lawrence	5.8	2
Irish Creek	Wildlife Resources	0.0	5.8	Lawrence	5.8	3
Jenny Creek	Fish Resources	0.0	11.0	Johnson	11.0	3
Johns Creek	Agricultural Lands	18.9	63.7	Floyd	44.8	3
Johns Creek	Fish Resources	0.0	5.5	Floyd	5.5	3
Johns Creek	Fish Resources	18.9	63.7	Floyd	44.8	3
Knox Creek	Fish Resources	0.0	7.6	Pike	7.6	3
Left Fork Beaver Creek	Fish Resources	0.0	28.0	Floyd	28.0	3
Levisa Fork	Agricultural Lands	0.0	58.2	Lawrence	58.2	2
Levisa Fork	Agricultural Lands	58.2	126.1	Johnson	67.9	3

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Levisa Fork	Corridor Character-Urban Rivers	65.3	69.4	Johnson	4.1	3
Levisa Fork	Corridor Character-Urban Rivers	80.2	84.8	Floyd	4.6	3
Levisa Fork	Cultural Resources	0.0	126.1	Lawrence	126.1	1
Levisa Fork	Fish Resources	0.0	126.1	Lawrence	126.1	3
Levisa Fork	Recreational Boating-Flatwater	0.0	126.1	Lawrence	126.1	2
Levisa Fork	Water Resources-Future Development	0.0	91.8	Lawrence	91.8	2
Levisa Fork	Water Resources-Future Development	91.8	123.6	Floyd	31.8	2
Little Mud Creek	Agricultural Lands	0.0	8.3	Floyd	8.3	3
Middle Creek	Fish Resources	0.0	18.0	Floyd	18.0	3
Middle Fork Rockcastle Creek	Fish Resources	0.0	17.1	Martin	17.1	3
Mud Creek	Agricultural Lands	0.0	17.1	Floyd	17.1	3
Paint Creek	Fish Resources	0.0	8.0	Johnson	8.0	3
Pond Creek	Fish Resources	0.0	14.6	Pike	14.6	3
Right Fork Beaver Creek	Fish Resources	0.0	39.0	Knott	39.0	3
Rockcastle Creek	Fish Resources	0.0	16.7	Lawrence	16.7	3
Russell Fork	Botanical Resources	0.0	16.0	Pike	16.0	1
Russell Fork	Fish Resources	0.0	16.0	Pike	16.0	1
Russell Fork	Geologic/Scenic Features-Geologic Features	7.3	16.0	Pike	8.7	1
Russell Fork	Recreational Boating-Whitewater	12.3	16.0	Pike	3.7	1
Russell Fork	Water Quality	0.0	16.0	Pike	16.0	2
Russell Fork	Wildlife Resources	0.0	16.0	Pike	16.0	1
Shelby Creek	Fish Resources	0.0	27.3	Pike	27.3	3
Tug Fork	Cultural Resources	0.0	94.0	Lawrence	94.0	3
Tug Fork	Fish Resources	0.0	10.2	Lawrence	10.2	1
Tug Fork	Fish Resources	0.0	94.0	Lawrence	94.0	3
Tug Fork	Recreational Boating-Flatwater	0.0	35.1	Lawrence	35.1	2
Wolf Creek	Fish Resources	0.0	20.5	Martin	20.5	3

Study River Name	Resource Category/ Subcategory	Segment (River Miles)	Downstream County	Segment Length	Value Class
GREEN RIVER BASIN					
Adams Fork	Agricultural Lands	0.0	Ohio	14.4	3
Alexander Creek	Fish Resources	0.0	Edmonson	7.0	3
Bacon Creek	Agricultural Lands	5.7	Hart	25.5	3
Bacon Creek	Fish Resources	5.7	Hart	25.5	3
Bacon Creek	Wildlife Resources	5.7	Hart	25.5	1
Barren River	Agricultural Lands	0.0	Butler	15.0	2
Barren River	Agricultural Lands	118.5	Allen	40.2	3
Barren River	Corridor Character-Urban Rivers	28.5	Warren	13.2	2
Barren River	Cultural Resources	0.0	Allen	79.2	2
Barren River	Cultural Resources	118.5	Allen	40.2	2
Barren River	Botanical Resources	0.0	Butler	31.0	3
Barren River	Botanical Resources	43.6	Warren	35.6	3
Barren River	Fish Resources	0.0	Butler	15.0	1
Barren River	Fish Resources	73.2	Allen	6.0	3
Barren River	Fish Resources	118.5	Allen	40.2	1
Barren River	Recreational Boating-Backcountry	0.0	Butler	79.2	2
Barren River	Recreational Boating-Flatwater	0.0	Butler	79.2	1
Barren River	Recreational Boating-Powerboating	0.0	Butler	43.6	3
Barren River	Water Quality	0.0	Butler	62.0	2
Barren River	Water Quality	118.5	Allen	40.2	2
Barren River	Water Resources-Future Development	0.0	Butler	43.6	1
Barren River	Water Resources-Future Development	43.6	Warren	19.7	1
Barren River	Wildlife Resources	0.0	Butler	79.2	1
Barren River	Wildlife Resources	118.5	Allen	40.2	1
Bays Fork	Fish Resources	0.0	Allen	27.6	3
Bays Fork	Wildlife Resources	0.0	Allen	27.6	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)	Downstream County	Segment Length	Value Class
Bear Creek	Fish Resources	0.0 45.6	Edmonson	45.6	3
Bear Creek	Wildlife Resources	0.0 45.6	Edmonson	45.6	2
Beaver Creek	Agricultural Lands	13.2 38.2	Barren	25.0	3
Beaver Creek	Wildlife Resources	13.2 38.2	Barren	25.0	1
Beaver Dam Creek	Fish Resources	0.0 7.6	Edmonson	7.6	3
Beaver Dam Creek	Wildlife Resources	0.0 7.6	Edmonson	7.6	2
Big Brush Creek	Wildlife Resources	0.0 19.9	Green	19.9	3
Big Pitman Creek	Fish Resources	0.0 42.2	Green	42.2	2
Big Pitman Creek	Water Quality	0.0 42.2	Green	42.2	2
Big Pitman Creek	Wildlife Resources	0.0 42.2	Green	42.2	1
Big Reedy Creek	Fish Resources	0.0 19.0	Butler	19.0	3
Big Reedy Creek	Wildlife Resources	0.0 19.0	Butler	19.0	2
Blackford Creek	Fish Resources	0.0 30.7	Daviess	30.7	3
Blackford Creek	Wildlife Resources	0.0 17.8	Daviess	17.8	1
Brush Creek	Wildlife Resources	0.0 11.3	Casey	11.3	3
Brushy Fork	Corridor Character-Undeveloped Rivers	0.0 6.6	Hart	6.6	3
Brushy Fork	Fish Resources	0.0 6.6	Hart	6.6	1
Brushy Fork	Agricultural Lands	1.8 4.6	Taylor	2.8	2
Bull Creek	Fish Resources	0.0 3.9	Breckinridge	3.9	3
Bull Creek	Wildlife Resources	0.0 3.9	Breckinridge	3.9	2
Bull Run Creek	Agricultural Lands	0.0 4.0	Casey	4.0	3
Butler Branch	Botanical Resources	0.3 2.6	Adair	2.3	1
Caney Creek	Agricultural Lands	0.0 33.9	Ohio	33.9	3
Caney Creek	Fish Resources	0.0 33.9	Ohio	33.9	3
Casey Creek	Agricultural Lands	8.8 22.9	Adair	14.1	3
Casey Creek	Wildlife Resources	8.8 22.9	Adair	14.1	3
Clifty Creek	Corridor Character-Undeveloped Rivers	0.0 20.4	Logan	20.4	3
Clifty Creek	Botanical Resources	0.0 13.2	Todd	13.2	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Clifty Creek	Fish Resources	0.0	20.4	Logan	20.4	3
Clifty Creek	Geologic/Scenic Features-Geologic Features	11.0	13.2	Logan	2.2	1
Clifty Creek	Wildlife Resources	0.0	20.4	Logan	20.4	2
Clifty Creek	Fish Resources	0.0	18.0	Grayson	18.0	3
Clover Creek	Fish Resources	0.0	17.1	Breckinridge	17.1	3
Clover Creek	Wildlife Resources	0.0	15.3	Breckinridge	15.3	1
Coal Creek	Fish Resources	0.0	8.4	Christian	8.4	3
Coal Creek	Wildlife Resources	0.0	8.4	Christian	8.4	3
Cypress Creek	Botanical Resources	0.0	33.3	McLean	33.3	1
Cypress Creek	Botanical Resources	18.0	26.3	Muhlenberg	8.3	1
Cypress Creek	Fish Resources	18.0	33.3	McLean	15.3	1
Cypress Creek	Water Quality	18.0	33.3	McLean	15.3	3
Cypress Creek	Wildlife Resources	0.0	33.3	McLean	33.3	1
Cypress Slough	Fish Resources	0.0	3.2	Henderson	3.2	1
Deer Creek	Wildlife Resources	0.0	11.1	Webster	11.1	2
Difficult Creek	Wildlife Resources	0.0	8.6	Allen	8.6	3
Doe Run	Agricultural Lands	4.0	8.0	Meade	4.0	3
Doe Run	Corridor Character-Undeveloped Rivers	4.0	8.0	Meade	4.0	3
Doe Run	Fish Resources	5.2	8.0	Meade	2.8	1
Doe Run	Water Quality	5.2	8.0	Meade	2.8	3
Doe Run	Wildlife Resources	0.0	6.5	Meade	6.5	3
Drakes Creek	Agricultural Lands	0.0	23.5	Warren	23.5	2
Drakes Creek	Fish Resources	0.0	23.5	Warren	23.5	1
Drakes Creek	Recreational Boating-Backcountry	0.0	23.5	Warren	23.5	2
Drakes Creek	Recreational Boating-Flatwater	0.0	23.5	Warren	23.5	3
Drakes Creek	Wildlife Resources	0.0	23.5	Warren	23.5	1
Drakes Creek	Wildlife Resources	0.0	21.3	Hopkins	21.3	3
Dry Creek	Agricultural Lands	0.0	14.5	Adair	14.5	3

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Dry Fork	Wildlife Resources	0.0	5.8	Casey	5.8	3
Dulin Creek	Fish Resources	0.0	7.0	Christian	7.0	3
East Fork Little Barren River	Fish Resources	0.0	29.5	Metcalfe	29.5	1
East Fork Little Barren River	Recreational Boating-Flatwater	0.0	15.0	Metcalfe	15.0	2
East Fork Little Barren River	Recreational Boating-Whitewater	0.0	15.0	Metcalfe	15.0	3
East Fork Little Barren River	Water Quality	0.0	29.5	Metcalfe	29.5	3
East Fork Little Barren River	Wildlife Resources	0.0	29.5	Metcalfe	29.5	3
Echo River	Fish Resources	0.0	4.0	Edmonson	4.0	1
Echo River	Geologic/Scenic Features-Geologic Features	0.0	4.0	Edmonson	4.0	1
Elk Creek	Wildlife Resources	0.0	12.9	Hopkins	12.9	1
Elk Pond Creek	Wildlife Resources	0.0	3.8	Muhlenberg	3.8	1
Falling Timber Creek	Fish Resources	0.0	14.7	Barren	14.7	1
Falling Timber Creek	Water Quality	0.0	14.7	Barren	14.7	2
Falling Timber Creek	Wildlife Resources	0.0	14.7	Barren	14.7	2
Flat Creek	Fish Resources	0.0	10.6	Hopkins	10.6	3
Flat Creek	Wildlife Resources	0.0	5.1	Hopkins	5.1	1
Gasper River	Corridor Character-Undeveloped Rivers	0.0	7.6	Warren	7.6	3
Gasper River	Fish Resources	0.0	38.0	Warren	38.0	1
Gasper River	Geologic/Scenic Features-Scenic Features	0.0	37.3	Warren	37.3	2
Gasper River	Recreational Boating-Flatwater	0.0	32.3	Warren	32.3	1
Gasper River	Recreational Boating-Whitewater	0.0	32.3	Warren	32.3	2
Gasper River	Wildlife Resources	0.0	32.3	Warren	32.3	1
Glenns Fork	Wildlife Resources	0.0	7.5	Adair	7.5	3
Glover Creek	Wildlife Resources	0.0	12.2	Barren	12.2	2
Glover Creek	Fish Resources	1.2	5.9	Barren	4.7	1
Goose Creek	Fish Resources	3.2	5.6	Casey	2.4	3
Grahampton Cave Stream	Fish Resources	0.0	1.0	Meade	1.0	1
Green River	Agricultural Lands	55.1	71.3	McLean	16.2	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Green River	Agricultural Lands	71.3	108.6	Ohio	37.3	3
Green River	Agricultural Lands	208.1	222.6	Edmonson	14.5	3
Green River	Agricultural Lands	339.9	344.2	Adair	4.3	1
Green River	Agricultural Lands	344.2	383.5	Adair	39.3	2
Green River	Corridor Character-Undeveloped Rivers	197.2	222.6	Edmonson	25.4	2
Green River	Corridor Character-Urban Rivers	141.3	143.4	Butler	2.1	1
Green River	Cultural Resources	0.0	305.6	Henderson	305.6	1
Green River	Cultural Resources	339.9	383.5	Adair	43.6	1
Green River	Botanical Resources	148.0	168.4	Butler	20.4	3
Green River	Botanical Resources	181.7	279.3	Edmonson	97.6	1
Green River	Fish Resources	0.0	148.0	Henderson	148.0	3
Green River	Fish Resources	148.0	305.6	Butler	157.6	1
Green River	Fish Resources	339.9	383.5	Adair	43.6	1
Green River	Geologic/Scenic Features-Geologic Features	182.7	225.9	Edmonson	43.2	2
Green River	Geologic/Scenic Features-Scenic Features	185.2	225.9	Edmonson	40.7	3
Green River	Recreational Boating-Backcountry	0.0	181.7	Henderson	181.7	2
Green River	Recreational Boating-Backcountry	185.2	358.5	Edmonson	173.3	1
Green River	Recreational Boating-Flatwater	0.0	181.7	Henderson	181.7	1
Green River	Recreational Boating-Flatwater	185.2	358.5	Edmonson	173.3	1
Green River	Recreational Boating-Powerboating	0.0	181.7	Henderson	181.7	2
Green River	Water Quality	108.5	148.0	Muhlenberg	39.5	3
Green River	Water Quality	148.0	168.1	Butler	20.1	1
Green River	Water Quality	182.7	225.9	Edmonson	43.2	1
Green River	Water Quality	225.9	305.6	Hart	79.7	2
Green River	Water Quality	339.9	383.5	Adair	43.6	2
Green River	Water Resources-Future Development	0.0	108.6	Henderson	108.6	1
Green River	Water Resources-Future Development	108.6	183.5	Ohio	74.9	1
Green River	Water Resources-Future Development	183.5	250.2	Edmonson	66.7	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Green River	Water Resources-Future Development	250.2	342.2	Green	92.0	1
Green River	Water Resources-Navigation	0.0	109.0	Henderson	109.0	1
Green River	Wildlife Resources	182.7	207.7	Edmonson	25.0	1
Green River	Wildlife Resources	207.7	279.3	Edmonson	71.6	2
Green River	Wildlife Resources	339.9	383.5	Adair	43.6	1
Hawkins River	Fish Resources	0.0	8.0	Edmonson	8.0	1
Hawkins River	Geologic/Scenic Features-Geologic Features	0.0	8.0	Edmonson	8.0	1
Indian Camp Creek	Fish Resources	3.0	17.8	Butler	14.8	3
Jennings Creek	Fish Resources	0.0	6.6	Warren	6.6	3
Jonathan Fork	Wildlife Resources	0.0	5.6	Casey	5.6	3
Lick Creek	Fish Resources	0.0	8.4	Simpson	8.4	1
Little Barren River	Fish Resources	0.0	20.9	Green	20.9	1
Little Barren River	Recreational Boating-Whitewater	0.0	20.9	Green	20.9	2
Little Barren River	Water Quality	0.0	16.0	Green	16.0	3
Little Barren River	Water Quality	16.0	20.9	Green	4.9	3
Little Barren River	Wildlife Resources	0.0	20.9	Green	20.9	1
Little Beaverdam Creek	Fish Resources	0.0	13.0	Edmonson	13.0	3
Little Brush Creek	Wildlife Resources	0.0	19.1	Green	19.1	2
Little Clifty Creek	Fish Resources	0.0	5.3	Todd	5.3	3
Little Clifty Creek	Wildlife Resources	0.0	5.3	Todd	5.3	2
Little Clifty Creek	Fish Resources	8.0	12.7	Grayson	4.7	3
Little Difficult Creek	Wildlife Resources	0.0	3.9	Allen	3.9	2
Little Pitman Creek	Wildlife Resources	0.0	15.6	Green	15.6	3
Logsdon River	Fish Resources	0.0	4.0	Edmonson	4.0	1
Logsdon River	Geologic/Scenic Features-Geologic Features	0.0	4.0	Edmonson	4.0	1
Long Branch	Agricultural Lands	0.6	6.1	Taylor	5.5	2
Long Creek	Fish Resources	7.5	12.1	Allen	4.6	1
Long Creek	Wildlife Resources	7.5	14.0	Allen	6.5	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Long Falls	Wildlife Resources	0.0	5.5	McLean	5.5	2
Long Fork	Wildlife Resources	0.0	2.0	Monroe	2.0	2
Lynn Camp Creek	Corridor Character-Undeveloped Rivers	0.0	12.9	Hart	12.9	3
Lynn Camp Creek	Fish Resources	0.0	12.9	Hart	12.9	1
Lynn Camp Creek	Wildlife Resources	0.0	12.9	Hart	12.9	2
McFarland Creek	Fish Resources	0.0	10.4	Hopkins	10.4	3
McFarland Creek	Wildlife Resources	0.0	10.4	Hopkins	10.4	3
Meeting Creek	Fish Resources	0.0	17.5	Grayson	17.5	3
Middle Fork Drakes Creek	Botanical Resources	0.0	2.8	Warren	2.8	1
Middle Fork Drakes Creek	Wildlife Resources	0.0	18.8	Warren	18.8	1
Middle Pitman Creek	Water Quality	0.0	13.9	Green	13.9	2
Middle Pitman Creek	Wildlife Resources	0.0	13.9	Green	13.9	1
Mud River	Agricultural Lands	0.0	70.6	Butler	70.6	2
Mud River	Botanical Resources	0.0	30.5	Butler	30.5	2
Mud River	Fish Resources	0.0	70.6	Butler	70.6	1
Mud River	Recreational Boating-Flatwater	0.0	17.4	Butler	17.4	3
Mud River	Water Resources-Future Development	0.0	30.5	Butler	30.5	2
Mud River	Wildlife Resources	0.0	52.2	Butler	52.2	2
Muddy Creek	Agricultural Lands	0.0	15.0	Ohio	15.0	3
Muddy Creek	Botanical Resources	0.0	15.0	Ohio	15.0	1
Muddy Creek	Wildlife Resources	0.0	9.4	Ohio	9.4	2
Muddy Creek	Fish Resources	0.0	23.6	Butler	23.6	3
Nolin River	Agricultural Lands	64.3	121.5	Grayson	57.2	3
Nolin River	Cultural Resources	0.0	8.1	Edmonson	8.1	3
Nolin River	Cultural Resources	64.3	121.5	Grayson	57.2	3
Nolin River	Botanical Resources	0.0	8.1	Edmonson	8.1	1
Nolin River	Fish Resources	0.0	8.1	Edmonson	8.1	2
Nolin River	Fish Resources	64.3	121.5	Grayson	57.2	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Nolin River	Geologic/Scenic Features-Scenic Features	0.0	8.1	Edmonson	8.1	2
Nolin River	Recreational Boating-Backcountry	0.0	8.1	Edmonson	8.1	2
Nolin River	Recreational Boating-Flatwater	0.0	8.1	Edmonson	8.1	1
Nolin River	Water Quality	0.0	8.1	Edmonson	8.1	2
Nolin River	Water Quality	64.3	121.5	Grayson	57.2	3
Nolin River	Water Resources-Future Development	0.0	8.1	Edmonson	8.1	1
Nolin River	Water Resources-Future Development	64.3	98.8	Grayson	34.5	1
Nolin River	Wildlife Resources	0.0	8.1	Edmonson	8.1	2
Nolin River	Wildlife Resources	64.3	93.3	Grayson	29.0	1
Ohio River	Agricultural Lands	345.0	405.1	Meade	60.1	1
Ohio River	Corridor Character-Urban Rivers	223.0	229.0	Daviess	6.0	1
Ohio River	Water Resources-Future Development	197.4	351.5	Henderson	154.1	1
Otter Creek	Agricultural Lands	0.0	24.5	Meade	24.5	3
Otter Creek	Fish Resources	0.0	24.5	Meade	24.5	3
Otter Creek	Recreational Boating-Whitewater	0.0	7.7	Meade	7.7	2
Otter Creek	Wildlife Resources	0.0	21.0	Meade	21.0	2
Panther Creek	Agricultural Lands	0.0	22.6	Daviess	22.6	3
Panther Creek	Botanical Resources	0.0	22.6	Daviess	22.6	3
Panther Creek	Fish Resources	0.0	22.6	Daviess	22.6	3
Panther Creek	Recreational Boating-Flatwater	0.0	16.4	Daviess	16.4	3
Panther Creek	Wildlife Resources	0.0	22.6	Daviess	22.6	1
Peter Creek	Fish Resources	9.4	17.0	Barren	7.6	3
Peter Creek	Wildlife Resources	0.0	19.6	Barren	19.6	1
Pigeon Creek	Botanical Resources	0.0	2.6	Edmonson	2.6	3
Pond Creek	Wildlife Resources	0.0	14.3	Muhlenberg	14.3	2
Pond River	Agricultural Lands	0.0	101.1	Hopkins	101.1	2
Pond River	Cultural Resources	0.0	101.1	Hopkins	101.1	3
Pond River	Botanical Resources	0.0	101.1	Hopkins	101.1	3

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Pond River	Fish Resources	0.0	22.2	Hopkins	22.2	3
Pond River	Fish Resources	79.7	101.1	Muhlenberg	21.4	3
Pond River	Recreational Boating-Backcountry	0.0	26.3	Hopkins	26.3	3
Pond River	Recreational Boating-Flatwater	0.0	26.3	Hopkins	26.3	2
Pond River	Water Resources-Future Development	0.0	31.1	Hopkins	31.1	3
Pond River	Water Resources-Future Development	31.1	64.0	Hopkins	32.9	3
Pond River	Wildlife Resources	0.0	101.1	Hopkins	101.1	1
Puncheon Creek	Wildlife Resources	0.6	3.4	Allen	2.8	2
Rich Pond Stream	Fish Resources	0.0	1.1	Warren	1.1	2
Robinson Creek	Agricultural Lands	18.5	28.1	Taylor	9.6	2
Robinson Creek	Wildlife Resources	18.5	28.1	Taylor	9.6	2
Rock Creek	Fish Resources	10.7	14.2	Grayson	3.5	3
Rock House Slough	Fish Resources	0.0	1.7	Ohio	1.7	1
Rocky Clifty Creek	Corridor Character-Undeveloped Rivers	21.3	26.0	Todd	4.7	2
Rocky Creek	Agricultural Lands	0.0	15.2	Muhlenberg	15.2	3
Rocky Creek	Fish Resources	0.0	15.2	Muhlenberg	15.2	3
Rough River	Agricultural Lands	133.8	153.9	Hardin	20.1	3
Rough River	Cultural Resources	0.0	89.4	Ohio	89.4	2
Rough River	Cultural Resources	133.8	153.9	Hardin	20.1	2
Rough River	Botanical Resources	56.5	89.4	Ohio	32.9	1
Rough River	Fish Resources	72.4	89.4	Grayson	17.0	3
Rough River	Fish Resources	133.8	138.8	Hardin	5.0	3
Rough River	Recreational Boating-Backcountry	0.0	89.4	Ohio	89.4	3
Rough River	Recreational Boating-Flatwater	0.0	89.4	Ohio	89.4	1
Rough River	Water Quality	67.6	69.3	Ohio	1.7	3
Rough River	Water Resources-Future Development	0.0	89.4	Ohio	89.4	1
Rough River	Wildlife Resources	56.5	89.4	Ohio	32.9	1
Rough River	Wildlife Resources	133.8	153.9	Hardin	20.1	3

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Round Stone Creek	Fish Resources	5.5	14.4	Hart	8.9	3
Russell Creek	Corridor Character-Urban Rivers	40.0	43.3	Adair	3.3	3
Russell Creek	Fish Resources	0.0	68.1	Green	68.1	1
Russell Creek	Water Quality	0.0	68.1	Green	68.1	3
Russell Creek	Wildlife Resources	0.0	68.1	Green	68.1	1
Sinking Creek	Wildlife Resources	0.0	39.8	Breckinridge	39.8	3
Sinking Creek	Fish Resources	15.8	26.7	Breckinridge	10.9	3
Skeggs Creek	Fish Resources	23.1	51.1	Barren	28.0	1
Skeggs Creek	Wildlife Resources	23.1	51.1	Barren	28.0	1
South Fork Green River	Wildlife Resources	0.0	12.2	Lincoln	12.2	3
South Fork Little Barren River	Agricultural Lands	0.0	35.8	Metcalfe	35.8	2
South Fork Little Barren River	Fish Resources	0.0	35.8	Metcalfe	35.8	2
South Fork Little Barren River	Recreational Boating-Whitewater	0.0	7.0	Metcalfe	7.0	3
South Fork Little Barren River	Water Quality	0.0	35.8	Metcalfe	35.8	3
South Fork Little Barren River	Wildlife Resources	0.0	35.8	Metcalfe	35.8	3
South Fork Nolin River	Fish Resources	0.0	15.8	Larue	15.8	2
South Fork Panther Creek	Agricultural Lands	0.0	25.3	Daviess	25.3	3
South Fork Panther Creek	Wildlife Resources	0.0	25.3	Daviess	25.3	1
Spring Creek	Agricultural Lands	0.0	2.0	Grayson	2.0	3
Spring Creek	Wildlife Resources	0.0	6.2	Meade	6.2	2
Stoner Creek	Agricultural Lands	0.0	5.9	Taylor	5.9	3
Sulphur Creek	Botanical Resources	2.4	4.4	Allen	2.0	1
Sulphur Creek	Wildlife Resources	0.0	19.7	Adair	19.7	3
Tallow Creek	Agricultural Lands	0.0	5.5	Taylor	5.5	2
Town Creek	Fish Resources	0.0	5.8	Breckinridge	5.8	3
Town Creek	Wildlife Resources	0.0	5.8	Breckinridge	5.8	2
Trace Fork	Agricultural Lands	0.0	9.8	Casey	9.8	3
Trammel Fork	Fish Resources	0.0	30.2	Warren	30.2	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Trammel Fork	Water Quality	0.0	30.2	Warren	30.2	2
Trammel Fork	Wildlife Resources	0.0	30.2	Warren	30.2	1
Valley Creek	Corridor Character-Urban Rivers	8.5	12.7	Hardin	4.2	3
Welch Creek	Fish Resources	0.0	19.1	Butler	19.1	3
West Fork Drakes Creek	Fish Resources	0.0	32.8	Warren	32.8	1
West Fork Drakes Creek	Wildlife Resources	0.0	32.8	Warren	32.8	2
West Fork Pond River	Fish Resources	0.0	27.0	Christian	27.0	3
West Fork Pond River	Wildlife Resources	0.0	27.0	Christian	27.0	1
Wolf Creek	Wildlife Resources	0.0	9.7	Meade	9.7	2
Wolf Lick Creek	Fish Resources	0.0	27.4	Logan	27.4	1
Wolf Lick Creek	Wildlife Resources	0.0	27.4	Logan	27.4	2
Woods Creek	Agricultural Lands	0.0	5.1	Casey	5.1	3
Yellowbank Creek	Fish Resources	0.0	11.3	Breckinridge	11.3	3
Yellowbank Creek	Wildlife Resources	0.0	11.0	Breckinridge	11.0	2
JACKSON PURCHASE BASIN						
Bayou de Chien	Agricultural Lands	0.0	30.6	Fulton	30.6	1
Bayou de Chien	Botanical Resources	0.0	30.6	Fulton	30.6	1
Bayou de Chien	Fish Resources	0.0	14.0	Fulton	14.0	1
Bayou de Chien	Geologic/Scenic Features-Scenic Features	11.2	22.7	Hickman	11.5	3
Bayou de Chien	Recreational Boating-Flatwater	11.2	22.7	Hickman	11.5	2
Bayou de Chien	Wildlife Resources	0.0	30.6	Fulton	30.6	1
Brush Creek	Agricultural Lands	0.0	8.5	Hickman	8.5	2
Cane Creek	Agricultural Lands	0.0	10.2	Hickman	10.2	2
Clanton Creek	Agricultural Lands	0.0	14.9	Ballard	14.9	3
Cypress Creek	Corridor Character-Undeveloped Rivers	30.1	41.7	Hickman	11.6	2
Goose Creek	Agricultural Lands	0.0	6.5	Graves	6.5	3
Hazel Creek	Botanical Resources	0.0	2.8	Ballard	2.8	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)	Downstream County	Segment Length	Value Class
Humphreys Creek	Agricultural Lands	0.0 20.5	Ballard	20.5	3
Humphreys Creek	Botanical Resources	0.0 20.5	Ballard	20.5	1
Hurricane Creek	Fish Resources	0.0 7.2	Carlisle	7.2	1
Leech Creek	Agricultural Lands	0.0 6.4	Graves	6.4	1
Little Mud Creek	Agricultural Lands	0.0 7.2	Fulton	7.2	2
Mayfield Creek	Agricultural Lands	0.0 61.3	Carlisle	61.3	1
Mayfield Creek	Botanical Resources	0.0 61.3	Carlisle	61.3	1
Mayfield Creek	Fish Resources	0.0 38.6	Carlisle	38.6	1
Mayfield Creek	Recreational Boating-Flatwater	10.7 35.0	Carlisle	24.3	2
Mayfield Creek	Wildlife Resources	0.0 61.3	Carlisle	61.3	1
Mississippi River	Agricultural Lands	882.6 953.8	Fulton	71.2	2
Mississippi River	Cultural Resources	882.6 953.8	Fulton	71.2	2
Mississippi River	Botanical Resources	882.6 953.8	Fulton	71.2	1
Mississippi River	Fish Resources	882.6 953.8	Fulton	71.2	1
Mississippi River	Geologic/Scenic Features-Geologic Features	936.7 937.7	Hickman	1.0	3
Mississippi River	Recreational Boating-Flatwater	882.6 953.8	Fulton	71.2	2
Mississippi River	Recreational Boating-Powerboating	882.6 953.8	Fulton	71.2	2
Mississippi River	Water Resources-Future Development	882.6 953.8	Fulton	71.2	1
Mississippi River	Water Resources-Navigation	882.6 953.8	Fulton	71.2	1
Obion Creek	Agricultural Lands	0.0 60.7	Fulton	60.7	1
Obion Creek	Corridor Character-Undeveloped Rivers	1.3 37.8	Fulton	36.5	2
Obion Creek	Botanical Resources	0.0 44.4	Fulton	44.4	1
Obion Creek	Fish Resources	0.0 44.4	Fulton	44.4	1
Obion Creek	Recreational Boating-Flatwater	0.0 12.0	Fulton	12.0	2
Obion Creek	Wildlife Resources	0.0 42.9	Fulton	42.9	1
Ohio River	Agricultural Lands	0.0 270.5	Ballard	270.5	1
Ohio River	Corridor Character-Urban Rivers	43.4 48.8	McCracken	5.4	1
Ohio River	Cultural Resources	0.0 664.0	Ballard	664.0	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Ohio River	Fish Resources	0.0	133.5	Ballard	133.5	1
Ohio River	Recreational Boating-Flatwater	0.0	664.0	Ballard	664.0	2
Ohio River	Recreational Boating-Powerboating	0.0	664.0	Ballard	664.0	1
Ohio River	Water Quality	0.0	62.9	Ballard	62.9	2
Ohio River	Water Resources-Future Development	0.0	48.8	Ballard	48.8	1
Ohio River	Water Resources-Future Development	48.8	108.0	Livingston	59.2	1
Ohio River	Water Resources-Navigation	0.0	664.0	Ballard	664.0	1
Powell Creek	Fish Resources	4.0	8.5	Graves	4.5	1
Running Slough	Agricultural Lands	0.0	15.3	Fulton	15.3	2
Running Slough	Fish Resources	0.0	15.3	Fulton	15.3	1
Shawnee Creek	Botanical Resources	0.0	17.4	Ballard	17.4	2
Shawnee Creek	Fish Resources	0.0	17.4	Ballard	17.4	1
Stovall Creek	Fish Resources	0.0	6.3	Ballard	6.3	1
Terrapin Creek	Botanical Resources	2.8	5.3	Graves	2.5	1
Terrapin Creek	Fish Resources	2.8	12.5	Graves	9.7	1
Terrapin Creek	Water Quality	2.8	8.1	Graves	5.3	2
Terrapin Creek	Wildlife Resources	2.8	12.5	Graves	9.7	2
Trumans Creek	Agricultural Lands	0.0	7.9	Carlisle	7.9	3
KENTUCKY RIVER BASIN						
Beals Run	Botanical Resources	0.0	30.6	Woodford	30.6	1
Benson Creek	Botanical Resources	0.0	28.4	Franklin	28.4	3
Benson Creek	Fish Resources	2.3	4.6	Franklin	2.3	2
Benson Creek	Recreational Boating-Whitewater	0.0	11.0	Franklin	11.0	2
Benson Creek	Water Quality	2.3	4.6	Franklin	2.3	3
Benson Creek	Wildlife Resources	0.0	4.5	Franklin	4.5	2
Big Bone Creek	Botanical Resources	0.0	7.4	Boone	7.4	1
Big Bone Creek	Geologic/Scenic Features-Geologic Features	0.0	11.5	Boone	11.5	2

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Big Creek	Fish Resources	0.0	4.3	Clay	4.3	3
Big Double Creek	Fish Resources	0.0	1.9	Clay	1.9	1
Big Sinking Creek	Botanical Resources	0.0	14.0	Lee	14.0	1
Big Sinking Creek	Fish Resources	0.0	14.0	Lee	14.0	3
Big Sinking Creek	Geologic/Scenic Features-Geologic Features	0.0	8.0	Lee	8.0	3
Boone Creek	Corridor Character-Undeveloped Rivers	0.0	6.5	Clark	6.5	2
Boone Creek	Botanical Resources	0.0	17.1	Clark	17.1	1
Boone Creek	Fish Resources	0.0	17.1	Clark	17.1	2
Boone Creek	Geologic/Scenic Features-Scenic Features	0.0	6.5	Clark	6.5	2
Boone Creek	Recreational Boating-Whitewater	0.0	6.5	Clark	6.5	2
Boone Creek	Water Quality	0.0	6.5	Clark	6.5	2
Brush Creek	Agricultural Lands	0.0	14.2	Grant	14.2	2
Buckhorn Creek	Botanical Resources	0.0	8.9	Breathitt	8.9	1
Buckhorn Creek	Fish Resources	4.4	13.9	Breathitt	9.5	1
Buckhorn Creek	Water Quality	4.4	6.8	Breathitt	2.4	1
Buckhorn Creek	Wildlife Resources	0.0	13.9	Breathitt	13.9	2
Bullskin Creek	Fish Resources	0.0	13.9	Clay	13.9	3
Carr Fork	Fish Resources	0.0	8.7	Knott	8.7	3
Cave Hollow Creek	Geologic/Scenic Features-Geologic Features	0.0	1.5	Lee	1.5	3
Cedar Creek	Botanical Resources	0.0	12.5	Owen	12.5	3
Cedar Creek	Wildlife Resources	0.0	15.2	Owen	15.2	3
Chimney Top Creek	Corridor Character-Undeveloped Rivers	0.0	5.0	Wolfe	5.0	1
Chimney Top Creek	Fish Resources	0.0	5.0	Wolfe	5.0	1
Chimney Top Creek	Geologic/Scenic Features-Scenic Features	0.0	5.0	Wolfe	5.0	2
Clear Creek	Water Quality	0.0	19.3	Woodford	19.3	2
Clear Creek	Wildlife Resources	0.0	19.3	Woodford	19.3	3
Clemons Fork	Botanical Resources	0.0	4.7	Breathitt	4.7	1
Clemons Fork	Fish Resources	0.0	4.7	Breathitt	4.7	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Clemons Fork	Water Quality	0.0	4.7	Breathitt	4.7	1
Clemons Fork	Wildlife Resources	0.0	4.7	Breathitt	4.7	2
Clifty Creek and Osborne Br.	Corridor Character-Undeveloped Rivers	0.0	4.0	Menifee	4.0	2
Coles Fork	Botanical Resources	0.0	6.4	Breathitt	6.4	1
Coles Fork	Fish Resources	0.0	6.4	Breathitt	6.4	1
Coles Fork	Water Quality	0.0	6.4	Breathitt	6.4	1
Coles Fork	Wildlife Resources	0.0	6.4	Breathitt	6.4	2
Collins Fork	Fish Resources	0.0	17.8	Clay	17.8	2
Collins Fork	Water Quality	0.0	17.8	Clay	17.8	3
Copper Creek	Fish Resources	0.0	11.8	Lincoln	11.8	3
Copperas Creek	Corridor Character-Undeveloped Rivers	0.0	4.0	Menifee	4.0	2
Cutshin Creek	Fish Resources	0.0	28.8	Leslie	28.8	3
Dix River	Botanical Resources	74.4	80.0	Rockcastle	5.6	1
Dix River	Fish Resources	0.0	3.0	Garrard	3.0	1
Dix River	Fish Resources	34.6	80.0	Boyle	45.4	2
Dix River	Geologic/Scenic Features-Geologic Features	0.0	3.0	Garrard	3.0	3
Dix River	Recreational Boating-Backcountry	34.6	50.3	Boyle	15.7	2
Dix River	Recreational Boating-Flatwater	34.6	50.3	Boyle	15.7	2
Dix River	Water Quality	34.6	80.0	Boyle	45.4	3
Dix River	Water Resources-Future Development	0.0	3.0	Garrard	3.0	1
Dix River	Water Resources-Hydropower	3.0	3.0	Garrard	0.0	2
Dix River	Wildlife Resources	34.6	80.0	Boyle	45.4	2
Drennon Creek	Fish Resources	0.0	21.7	Henry	21.7	2
Drennon Creek	Water Quality	0.0	21.7	Henry	21.7	3
Eagle Creek	Agricultural Lands	0.0	93.4	Carroll	93.4	2
Eagle Creek	Botanical Resources	10.2	14.7	Gallatin	4.5	1
Eagle Creek	Botanical Resources	29.0	79.0	Grant	50.0	3
Eagle Creek	Fish Resources	0.0	40.7	Carroll	40.7	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Eagle Creek	Recreational Boating-Flatwater	0.0	41.0	Carroll	41.0	2
Eagle Creek	Water Resources-Future Development	0.0	27.3	Carroll	27.3	2
Eagle Creek	Water Resources-Future Development	27.3	86.4	Grant	59.1	1
Eagle Creek	Wildlife Resources	0.0	93.4	Carroll	93.4	2
East Fork Clear Creek	Water Quality	0.0	10.0	Woodford	10.0	2
East Fork Indian Creek	Fish Resources	0.0	5.0	Menifee	5.0	1
East Fork Indian Creek	Geologic/Scenic Features-Geologic Features	0.0	5.0	Menifee	5.0	3
East Fork Indian Creek	Wildlife Resources	0.0	7.0	Menifee	7.0	1
East Hickman Creek	Wildlife Resources	0.0	14.0	Jessamine	14.0	1
Elisha Creek	Botanical Resources	0.0	5.1	Leslie	5.1	1
Elk Lick Creek	Botanical Resources	0.0	3.5	Fayette	3.5	1
Elkhorn Creek	Agricultural Lands	0.0	17.8	Franklin	17.8	3
Elkhorn Creek	Cultural Resources	0.0	17.8	Franklin	17.8	3
Elkhorn Creek	Botanical Resources	0.0	3.5	Franklin	3.5	1
Elkhorn Creek	Botanical Resources	0.0	17.8	Franklin	17.8	3
Elkhorn Creek	Fish Resources	0.0	17.8	Franklin	17.8	1
Elkhorn Creek	Geologic/Scenic Features-Scenic Features	0.0	17.8	Franklin	17.8	2
Elkhorn Creek	Recreational Boating-Backcountry	0.0	17.8	Franklin	17.8	2
Elkhorn Creek	Recreational Boating-Whitewater	0.0	17.8	Franklin	17.8	2
Elkhorn Creek	Water Quality	0.0	17.8	Franklin	17.8	2
Elkhorn Creek	Water Resources-Future Development	0.0	17.8	Franklin	17.8	3
Elkhorn Creek	Wildlife Resources	0.0	17.8	Franklin	17.8	1
Emily Run	Corridor Character-Undeveloped Rivers	0.0	4.6	Henry	4.6	3
Emily Run	Botanical Resources	0.0	9.0	Henry	9.0	3
Fall Lick	Botanical Resources	2.5	6.6	Garrard	4.1	1
Four Mile Creek	Recreational Boating-Whitewater	0.0	3.5	Clark	3.5	3
Frozen Creek	Fish Resources	0.0	14.8	Breathitt	14.8	3
Gillmore Creek	Fish Resources	0.0	6.0	Wolfe	6.0	3

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Gladie Creek	Corridor Character-Undeveloped Rivers	0.0	7.2	Menifee	7.2	2
Gladie Creek	Fish Resources	1.7	7.2	Menifee	5.5	1
Gladie Creek	Geologic/Scenic-Scenic Features	0.0	7.2	Menifee	7.2	2
Goose Creek	Fish Resources	0.0	42.6	Clay	42.6	1
Goose Creek	Water Quality	0.0	42.6	Clay	42.6	3
Greasy Creek	Fish Resources	0.0	26.6	Leslie	26.6	1
Greasy Creek	Water Quality	0.0	26.6	Leslie	26.6	2
Gunpowder Creek	Botanical Resources	7.5	13.7	Boone	6.2	1
Gunpowder Creek	Wildlife Resources	0.0	21.0	Boone	21.0	1
Hanging Fork	Fish Resources	0.0	32.3	Boyle	32.3	2
Hanging Fork	Recreational Boating-Whitewater	0.0	4.3	Boyle	4.3	2
Hanging Fork	Water Quality	0.0	32.3	Boyle	32.3	3
Hanging Fork	Wildlife Resources	0.0	32.3	Boyle	32.3	3
Hickman Creek	Recreational Boating-Whitewater	2.8	8.4	Jessamine	5.6	2
Hickman Creek	Wildlife Resources	0.0	25.0	Jessamine	25.0	1
Indian Creek	Fish Resources	0.0	7.4	Menifee	7.4	3
Indian Creek	Wildlife Resources	0.0	7.4	Menifee	7.4	1
Jessamine Creek	Corridor Character-Undeveloped Rivers	0.0	4.4	Jessamine	4.4	2
Jessamine Creek	Botanical Resources	0.0	13.3	Jessamine	13.3	1
Jessamine Creek	Fish Resources	0.0	18.7	Jessamine	18.7	2
Jessamine Creek	Geologic/Scenic Features-Geologic Features	0.0	5.5	Jessamine	5.5	3
Jessamine Creek	Recreational Boating-Whitewater	0.0	13.3	Jessamine	13.3	3
Jessamine Creek	Water Quality	0.0	5.5	Jessamine	5.5	2
Jessamine Creek	Wildlife Resources	0.0	18.7	Jessamine	18.7	1
Kentucky River	Agricultural Lands	0.0	51.9	Carroll	51.9	2
Kentucky River	Agricultural Lands	51.9	95.4	Franklin	43.5	3
Kentucky River	Agricultural Lands	187.2	225.8	Clark	38.6	2
Kentucky River	Corridor Character-Undeveloped Rivers	118.2	133.3	Jessamine	15.1	2

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Kentucky River	Corridor Character-Urban Rivers	0.0	2.0	Carroll	2.0	2
Kentucky River	Corridor Character-Urban Rivers	64.5	68.7	Franklin	4.2	1
Kentucky River	Corridor Character-Urban Rivers	218.1	220.9	Estill	2.8	2
Kentucky River	Cultural Resources	0.0	254.8	Carroll	254.8	1
Kentucky River	Botanical Resources	5.5	8.5	Carroll	3.0	1
Kentucky River	Botanical Resources	89.0	176.5	Anderson	87.5	1
Kentucky River	Botanical Resources	165.5	169.0	Fayette	3.5	1
Kentucky River	Fish Resources	0.0	254.8	Carroll	254.8	3
Kentucky River	Geologic/Scenic Features-Geologic Features	113.2	135.3	Jessamine	22.1	1
Kentucky River	Geologic/Scenic Features-Scenic Features	117.0	139.9	Jessamine	22.9	2
Kentucky River	Recreational Boating-Backcountry	0.0	254.8	Carroll	254.8	1
Kentucky River	Recreational Boating-Flatwater	0.0	254.8	Carroll	254.8	1
Kentucky River	Recreational Boating-Powerboating	0.0	254.8	Carroll	254.8	1
Kentucky River	Water Resources-Future Development	0.0	51.9	Carroll	51.9	1
Kentucky River	Water Resources-Future Development	51.9	64.9	Franklin	13.0	1
Kentucky River	Water Resources-Future Development	64.9	118.2	Franklin	53.3	1
Kentucky River	Water Resources-Future Development	176.4	190.8	Clark	14.4	1
Kentucky River	Water Resources-Future Development	190.8	248.2	Clark	57.4	1
Kentucky River	Water Resources-Hydropower	117.0	117.0	Jessamine	0.0	3
Kentucky River	Water Resources-Navigation	0.0	64.3	Carroll	64.3	2
Kentucky River	Wildlife Resources	0.0	254.8	Carroll	254.8	1
Lacy Creek	Fish Resources	0.0	6.8	Wolfe	6.8	3
Laurel Creek	Fish Resources	0.0	6.4	Clay	6.4	3
Laurel Fork	Fish Resources	0.0	10.9	Leslie	10.9	3
Laurel Fork	Fish Resources	0.0	15.5	Knott	15.5	3
Lee Branch	Botanical Resources	0.0	10.0	Woodford	10.0	1
Line Fork	Botanical Resources	14.9	19.3	Letcher	4.4	1
Line Fork	Fish Resources	4.8	15.0	Letcher	10.2	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Line Fork	Wildlife Resources	14.9	19.3	Letcher	4.4	2
Little Goose Creek	Fish Resources	0.0	14.0	Clay	14.0	2
Little Sexton Creek	Fish Resources	0.0	7.7	Clay	7.7	3
Lower Hood Branch	Botanical Resources	0.0	1.8	Powell	1.8	1
Lower Howards Creek	Corridor Character-Undeveloped Rivers	0.0	4.8	Clark	4.8	3
Lower Howards Creek	Recreational Boating-Whitewater	0.0	4.8	Clark	4.8	2
Lulbegrud Creek	Fish Resources	0.0	22.0	Powell	22.0	3
Middle Creek	Botanical Resources	2.7	5.4	Boone	2.7	1
Middle Fork Kentucky River	Agricultural Lands	0.0	43.3	Lee	43.3	2
Middle Fork Kentucky River	Fish Resources	0.0	43.3	Lee	43.3	2
Middle Fork Kentucky River	Fish Resources	76.6	98.2	Leslie	21.6	1
Middle Fork Kentucky River	Recreational Boating-Backcountry	0.0	43.3	Lee	43.3	2
Middle Fork Kentucky River	Recreational Boating-Flatwater	0.0	43.3	Lee	43.3	1
Middle Fork Kentucky River	Water Quality	0.0	43.3	Lee	43.3	2
Middle Fork Kentucky River	Water Quality	76.6	84.1	Leslie	7.5	3
Middle Fork Kentucky River	Water Resources-Future Development	0.0	36.5	Lee	36.5	1
Middle Fork Kentucky River	Wildlife Resources	0.0	43.3	Lee	43.3	3
Middle Fork Kentucky River	Wildlife Resources	76.6	98.2	Leslie	21.6	3
Middle Fork Red River	Botanical Resources	11.3	13.7	Wolfe	2.4	1
Middle Fork Red River	Fish Resources	8.4	11.0	Powell	2.6	1
Middle Fork of Quicksand Creek	Fish Resources	0.0	9.9	Knott	9.9	3
Muddy Creek	Wildlife Resources	0.0	23.3	Madison	23.3	2
North Fork Elkhorn Creek	Cultural Resources	0.0	74.4	Franklin	74.4	1
North Fork Elkhorn Creek	Botanical Resources	0.0	68.8	Franklin	68.8	3
North Fork Elkhorn Creek	Fish Resources	0.0	74.4	Franklin	74.4	1
North Fork Elkhorn Creek	Water Quality	0.0	74.4	Franklin	74.4	2
North Fork Elkhorn Creek	Wildlife Resources	0.0	51.0	Franklin	51.0	2
North Fork Kentucky River	Corridor Character-Urban Rivers	304.5	307.8	Breathitt	3.3	3

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
North Fork Kentucky River	Corridor Character-Urban Rivers	358.9	364.1	Perry	5.2	3
North Fork Kentucky River	Fish Resources	275.3	281.9	Breathitt	6.6	1
North Fork Kentucky River	Fish Resources	326.9	422.2	Breathitt	95.3	2
North Fork Kentucky River	Recreational Boating-Backcountry	254.8	392.4	Lee	137.6	2
North Fork Kentucky River	Recreational Boating-Flatwater	254.8	392.4	Lee	137.6	3
North Fork Kentucky River	Water Resources-Future Development	254.8	367.8	Lee	113.0	1
North Fork Kentucky River	Wildlife Resources	275.3	288.2	Breathitt	12.9	3
North Fork Kentucky River	Wildlife Resources	370.0	392.7	Perry	22.7	3
Ohio River	Corridor Character-Urban Rivers	435.6	436.9	Carroll	1.3	2
Ohio River	Corridor Character-Urban Rivers	507.5	509.1	Kenton	1.6	2
Ohio River	Corridor Character-Urban Rivers	509.1	511.2	Kenton	2.1	2
Ohio River	Corridor Character-Urban Rivers	511.2	512.2	Campbell	1.0	2
Ohio River	Corridor Character-Urban Rivers	512.1	514.7	Campbell	2.6	2
Ohio River	Botanical Resources	498.5	501.5	Boone	3.0	1
Ohio River	Water Quality	442.3	446.3	Carroll	4.0	2
Ohio River	Water Quality	503.9	532.0	Kenton	28.1	2
Ohio River	Water Resources-Future Development	435.6	511.2	Carroll	75.6	1
Ohio River	Water Resources-Future Development	511.2	664.0	Campbell	152.8	1
Otter Creek	Recreational Boating-Whitewater	0.0	5.6	Madison	5.6	2
Otter Creek	Wildlife Resources	0.0	13.4	Madison	13.4	3
Paint Lick Creek	Fish Resources	0.0	30.8	Garrard	30.8	2
Paint Lick Creek	Water Quality	0.0	30.8	Garrard	30.8	2
Paint Lick Creek	Wildlife Resources	0.0	30.8	Garrard	30.8	2
Parched Corn Creek	Fish Resources	0.0	2.3	Wolfe	2.3	1
Powell Branch	Fish Resources	0.0	1.2	Menifee	1.2	1
Quicksand Creek	Fish Resources	0.0	38.0	Breathitt	38.0	3
Raven Run	Corridor Character-Undeveloped Rivers	0.0	2.8	Fayette	2.8	3
Raven Run	Botanical Resources	0.0	2.8	Fayette	2.8	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Red Bird River	Fish Resources	0.0	21.1	Clay	21.1	1
Red Bird River	Water Quality	0.0	21.1	Clay	21.1	3
Red Lick Creek	Agricultural Lands	0.0	18.1	Estill	18.1	3
Red Lick Creek	Wildlife Resources	0.0	18.1	Estill	18.1	3
Red River	Agricultural Lands	0.0	94.2	Clark	94.2	3
Red River	Corridor Character-Undeveloped Rivers	50.0	68.6	Powell	18.6	2
Red River	Cultural Resources	0.0	94.2	Clark	94.2	3
Red River	Botanical Resources	0.0	59.0	Clark	59.0	1
Red River	Fish Resources	0.0	94.2	Clark	94.2	1
Red River	Geologic/Scenic-Geologic Features	49.0	59.4	Powell	10.4	2
Red River	Geologic/Scenic-Scenic Features	59.5	68.6	Wolfe	9.1	1
Red River	Recreational Boating-Backcountry	0.0	68.6	Clark	68.6	1
Red River	Recreational Boating-Whitewater	59.5	68.6	Wolfe	9.1	1
Red River	Water Quality	0.0	59.5	Clark	59.5	3
Red River	Water Quality	59.5	68.6	Wolfe	9.1	2
Red River	Water Quality	68.6	94.2	Clark	25.6	3
Red River	Water Resources-Future Development	0.0	33.2	Clark	33.2	1
Red River	Wildlife Resources	0.0	94.2	Clark	94.2	1
Right Fork Buffalo Creek	Botanical Resources	0.0	11.1	Owsley	11.1	2
Right Fork Buffalo Creek	Fish Resources	0.0	11.1	Owsley	11.1	1
Rock Lick Creek	Fish Resources	0.0	9.2	Jackson	9.2	3
Rock Lick Creek	Wildlife Resources	0.0	9.2	Jackson	9.2	3
Rockhouse Creek	Fish Resources	0.0	24.3	Letcher	24.3	3
Ross Creek	Fish Resources	0.0	7.2	Lee	7.2	3
Severn Creek	Wildlife Resources	0.0	13.4	Owen	13.4	2
Sexton Creek	Fish Resources	0.0	22.5	Owsley	22.5	2
Sexton Creek	Water Quality	0.0	22.5	Owsley	22.5	2
Silver Creek	Botanical Resources	0.0	36.2	Madison	36.2	3

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Silver Creek	Fish Resources	0.0	36.2	Madison	36.2	2
Silver Creek	Recreational Boating-Whitewater	0.0	10.9	Madison	10.9	2
Silver Creek	Water Quality	0.0	36.2	Madison	36.2	3
Silver Creek	Wildlife Resources	0.0	36.2	Madison	36.2	1
Six Mile Creek	Agricultural Lands	0.0	23.6	Shelby	23.6	3
Six Mile Creek	Fish Resources	0.0	23.6	Shelby	23.6	2
Six Mile Creek	Water Quality	0.0	23.6	Shelby	23.6	3
Six Mile Creek	Wildlife Resources	0.0	23.6	Shelby	23.6	1
South Fork Elkhorn Creek	Agricultural Lands	0.0	52.7	Franklin	52.7	3
South Fork Elkhorn Creek	Cultural Resources	0.0	52.7	Franklin	52.7	3
South Fork Elkhorn Creek	Botanical Resources	4.9	17.4	Franklin	12.5	1
South Fork Elkhorn Creek	Water Quality	0.0	52.7	Franklin	52.7	3
South Fork Elkhorn Creek	Wildlife Resources	0.0	48.0	Franklin	48.0	2
South Fork Kentucky River	Agricultural Lands	0.0	45.1	Lee	45.1	3
South Fork Kentucky River	Botanical Resources	0.0	45.1	Lee	45.1	2
South Fork Kentucky River	Fish Resources	0.0	45.1	Lee	45.1	1
South Fork Kentucky River	Recreational Boating-Flatwater	0.0	45.1	Lee	45.1	1
South Fork Kentucky River	Water Quality	0.0	45.1	Lee	45.1	3
South Fork Kentucky River	Water Resources-Future Development	0.0	45.1	Lee	45.1	1
South Fork Kentucky River	Wildlife Resources	0.0	45.1	Lee	45.1	3
South Fork Station Camp Creek	Corridor Character-Undeveloped Rivers	0.0	12.3	Jackson	12.3	3
South Fork Station Camp Creek	Botanical Resources	0.0	22.0	Jackson	22.0	2
South Fork Station Camp Creek	Fish Resources	0.0	26.2	Jackson	26.2	1
South Fork Station Camp Creek	Water Quality	0.0	26.2	Jackson	26.2	2
South Fork Station Camp Creek	Wildlife Resources	0.0	26.2	Jackson	26.2	3
Station Camp Creek	Corridor Character-Undeveloped Rivers	19.4	22.3	Estill	2.9	2
Station Camp Creek	Botanical Resources	15.1	22.3	Estill	7.2	1
Station Camp Creek	Fish Resources	0.0	22.3	Estill	22.3	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Station Camp Creek	Water Quality	0.0	22.3	Estill	22.3	2
Station Camp Creek	Wildlife Resources	0.0	22.3	Estill	22.3	1
Stevens Creek	Fish Resources	0.0	21.0	Grant	21.0	2
Stillwater Creek	Fish Resources	0.0	10.3	Wolfe	10.3	3
Sturgeon Creek	Corridor Character-Undeveloped Rivers	9.9	15.6	Lee	5.7	3
Sturgeon Creek	Botanical Resources	13.7	15.6	Owsley	1.9	1
Sturgeon Creek	Fish Resources	0.0	33.4	Lee	33.4	1
Sturgeon Creek	Water Quality	0.0	33.4	Lee	33.4	2
Sturgeon Creek	Wildlife Resources	0.0	33.4	Lee	33.4	3
Swift Camp Creek	Corridor Character-Undeveloped Rivers	0.0	10.0	Wolfe	10.0	2
Swift Camp Creek	Fish Resources	0.0	8.0	Wolfe	8.0	1
Swift Camp Creek	Geologic/Scenic Features-Scenic Features	0.0	10.0	Wolfe	10.0	1
Swift Camp Creek	Water Quality	0.0	10.8	Wolfe	10.8	2
Tates Creek	Recreational Boating-Whitewater	0.0	8.2	Madison	8.2	3
Tates Creek	Wildlife Resources	0.0	6.5	Madison	6.5	3
Taylor Fork	Recreational Boating-Whitewater	0.0	0.7	Madison	0.7	2
Tight Hollow Creek	Botanogical Resources	0.0	1.7	Wolfe	1.7	1
Tight Hollow Creek	Fish Resources	0.0	1.7	Wolfe	1.7	2
Tight Hollow Creek	Water Quality	0.0	1.7	Wolfe	1.7	1
Troublesome Creek	Fish Resources	0.0	49.5	Breathitt	49.5	3
Troublesome Creek	Botanical Resources	14.2	16.2	Perry	2.0	1
Upper Hood Branch	Botanical Resources	0.0	1.6	Powell	1.6	1
Walkers Creek	Fish Resources	0.0	8.0	Lee	8.0	3
War Fork Station Camp Creek	Corridor Character-Undeveloped Rivers	0.0	10.0	Jackson	10.0	2
War Fork Station Camp Creek	Ecological Resources	0.0	13.7	Jackson	13.7	1
War Fork Station Camp Creek	Fish Resources	0.0	13.7	Jackson	13.7	1
War Fork Station Camp Creek	Water Quality	0.0	13.7	Jackson	13.7	1
War Fork Station Camp Creek	Wildlife Resources	0.0	13.7	Jackson	13.7	3

Study River Name	Resource Category/ Subcategory	Segment (River Miles)	Downstream County	Segment Length	Value Class
LICKING RIVER BASIN					
Beaver Creek	Fish Resources	11.4	Menifee	7.8	2
Beaver Creek	Wildlife Resources	11.4	Menifee	4.5	1
Blackwater Creek	Fish Resources	7.7	Morgan	8.0	1
Blackwater Creek	Wildlife Resources	7.7	Morgan	8.0	1
Bracken Creek	Wildlife Resources	0.0	Bracken	14.3	3
Briery Branch	Fish Resources	0.0	Lewis	4.7	1
Brushy Fork	Fish Resources	0.7	Menifee	3.1	2
Brushy Fork	Wildlife Resources	0.7	Menifee	4.3	1
Caney Creek	Fish Resources	0.0	Morgan	18.1	1
Christy Creek	Recreational Boating-Whitewater	0.0	Rowan	5.0	2
Cold Cave Creek	Wildlife Resources	1.0	Menifee	2.4	1
Craney Creek	Fish Resources	3.5	Rowan	6.9	1
Craney Creek	Wildlife Resources	3.5	Rowan	6.9	2
Devils Fork	Fish Resources	0.0	Morgan	8.3	1
Elk Fork	Fish Resources	0.0	Morgan	19.7	3
Fleming Creek	Fish Resources	0.0	Nicholas	20.1	2
Fleming Creek	Water Quality	0.0	Nicholas	20.1	3
Fork Lick	Botanical Resources	0.0	Grant	17.3	1
Fox Creek	Wildlife Resources	0.0	Fleming	26.3	3
Grassy Creek	Fish Resources	0.0	Pendleton	27.5	2
Grassy Creek	Fish Resources	6.3	Morgan	3.7	1
Hinkston Creek	Cultural Resources	0.0	Bourbon	70.8	2
Hinkston Creek	Fish Resources	0.0	Bourbon	34.8	2
Hinkston Creek	Recreational Boating-Flatwater	0.0	Bourbon	15.0	2
Hinkston Creek	Water Quality	0.0	Bourbon	34.8	3
Hinkston Creek	Wildlife Resources	0.0	Bourbon	70.8	3

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Indian Creek	Fish Resources	0.0	9.4	Lewis	9.4	1
Kinniconick Creek	Botanical Resources	0.0	50.4	Lewis	50.4	1
Kinniconick Creek	Fish Resources	0.0	50.4	Lewis	50.4	1
Kinniconick Creek	Recreational Boating-Backcountry	0.0	26.3	Lewis	26.3	2
Kinniconick Creek	Water Quality	0.0	50.4	Lewis	50.4	1
Kinniconick Creek	Wildlife Resources	0.0	50.4	Lewis	50.4	2
Licking River	Agricultural Lands	51.7	87.4	Pendleton	35.7	3
Licking River	Corridor Character-Urban Rivers	0.0	4.6	Campbell	4.6	2
Licking River	Cultural Resources	0.0	173.6	Campbell	173.6	2
Licking River	Cultural Resources	232.8	294.1	Morgan	61.3	2
Licking River	Botanical Resources	51.7	159.0	Pendleton	107.3	1
Licking River	Fish Resources	19.0	173.6	Campbell	154.6	1
Licking River	Fish Resources	232.8	294.1	Morgan	61.3	1
Licking River	Recreational Boating-Backcountry	0.0	173.6	Campbell	173.6	2
Licking River	Recreational Boating-Flatwater	0.0	173.6	Campbell	173.6	2
Licking River	Recreational Boating-Powerboating	0.0	97.8	Campbell	97.8	3
Licking River	Water Quality	97.8	173.6	Nicholas	75.8	2
Licking River	Water Quality	232.8	294.1	Morgan	61.3	3
Licking River	Water Resources-Future Development	0.0	71.4	Kenton	71.4	2
Licking River	Water Resources-Future Development	71.4	173.6	Bracken	102.2	1
Licking River	Water Resources-Future Development	197.4	269.0	Rowan	71.6	3
Licking River	Water Resources-Navigation	0.0	7.0	Campbell	7.0	1
Licking River	Wildlife Resources	0.0	173.6	Campbell	173.6	1
Locust Creek	Wildlife Resources	0.0	12.4	Bracken	12.4	3
Meyers Fork	Wildlife Resources	1.4	6.0	Menifee	4.6	3
Middle Fork Grassy Creek	Fish Resources	0.0	15.4	Pendleton	15.4	2
Minor Creek	Fish Resources	0.0	6.8	Morgan	6.8	1
North Fork Grassy Creek	Fish Resources	0.0	12.9	Pendleton	12.9	2

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
North Fork Licking River	Fish Resources	9.9	21.3	Morgan	11.4	1
North Fork Licking River	Wildlife Resources	9.9	21.3	Morgan	11.4	2
North Fork Licking River	Recreational Boating-Flatwater	0.0	54.1	Bracken	54.1	3
North Fork Licking River	Wildlife Resources	0.0	54.1	Bracken	54.1	2
North Fork Triplett Creek	Fish Resources	0.0	25.6	Rowan	25.6	1
North Fork Triplett Creek	Water Quality	0.0	25.6	Rowan	25.6	1
North Fork Triplett Creek	Wildlife Resources	0.0	25.6	Rowan	25.6	2
Ohio River	Corridor Character-Urban Rivers	515.8	519.4	Campbell	3.6	3
Ohio River	Corridor Character-Urban Rivers	553.9	555.0	Bracken	1.1	1
Ohio River	Corridor Character-Urban Rivers	571.8	574.4	Mason	2.6	2
Raven Creek	Fish Resources	0.0	3.8	Harrison	3.8	3
Rockhouse Creek	Fish Resources	0.0	8.5	Morgan	8.5	3
Slabcamp Creek	Fish Resources	0.0	3.6	Rowan	3.6	1
Slate Creek	Fish Resources	0.0	59.3	Bath	59.3	1
Slate Creek	Water Quality	0.0	59.3	Bath	59.3	2
Slate Creek	Wildlife Resources	0.0	59.3	Bath	59.3	2
South Fork Licking River	Agricultural Lands	0.0	16.6	Pendleton	16.6	3
South Fork Licking River	Agricultural Lands	16.6	59.8	Harrison	43.2	2
South Fork Licking River	Agricultural Lands	59.8	65.1	Bourbon	5.3	3
South Fork Licking River	Corridor Character-Urban Rivers	0.0	2.3	Pendleton	2.3	2
South Fork Licking River	Botanical Resources	0.0	59.8	Pendleton	59.8	3
South Fork Licking River	Recreational Boating-Flatwater	26.6	65.1	Harrison	38.5	2
South Fork Licking River	Water Quality	0.0	65.1	Pendleton	65.1	3
South Fork Licking River	Water Resources-Future Development	0.0	65.1	Pendleton	65.1	2
South Fork Licking River	Wildlife Resources	0.0	65.1	Pendleton	65.1	2
Stoner Creek	Botanical Resources	0.0	72.2	Bourbon	72.2	3
Stoner Creek	Fish Resources	0.0	72.2	Bourbon	72.2	2
Stoner Creek	Recreational Boating-Flatwater	0.0	30.7	Bourbon	30.7	2

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Stoner Creek	Wildlife Resources	0.0	72.2	Bourbon	72.2	3
Strodes Creek	Fish Resources	0.0	26.5	Bourbon	26.5	2
Townsend Creek	Fish Resources	0.0	15.5	Bourbon	15.5	2
Townsend Creek	Water Quality	0.0	15.5	Bourbon	15.5	2
Triplett Creek	Fish Resources	5.8	15.0	Rowan	9.2	1
Triplett Creek	Wildlife Resources	0.0	22.6	Rowan	22.6	3
Twelvemile Creek	Wildlife Resources	0.0	19.6	Campbell	19.6	3
Twin Creek	Wildlife Resources	0.0	7.8	Harrison	7.8	3
Upper Lick Fork	Fish Resources	2.9	6.3	Rowan	3.4	1
Upper Lick Fork	Wildlife Resources	2.9	6.3	Rowan	3.4	3
White Oak Creek	Fish Resources	0.0	1.4	Morgan	1.4	3
Williams Creek	Fish Resources	0.0	9.1	Morgan	9.1	3
Yocum Creek	Fish Resources	2.6	4.6	Morgan	2.0	1
LITTLE SANDY RIVER BASIN						
Big Caney Creek	Corridor Character-Undeveloped Rivers	2.2	15.0	Elliott	12.8	2
Big Caney Creek	Fish Resources	2.2	11.6	Elliott	9.4	1
Big Caney Creek	Wildlife Resources	2.2	15.0	Elliott	12.8	1
Big Gimlet Creek	Wildlife Resources	2.8	6.6	Elliott	3.8	1
Big Sinking Creek	Fish Resources	0.0	19.0	Carter	19.0	1
Big Sinking Creek	Water Quality	0.0	19.0	Carter	19.0	2
East Fork Little Sandy River	Agricultural Lands	0.0	45.9	Greenup	45.9	3
East Fork Little Sandy River	Fish Resources	0.0	13.6	Greenup	13.6	3
East Fork Little Sandy River	Fish Resources	22.9	26.1	Boyd	3.2	3
Ison Creek	Geologic/Scenic Features-Geologic Features	0.0	4.4	Elliott	4.4	2
Laurel Creek	Corridor Character-Undeveloped Rivers	0.0	13.5	Elliott	13.5	2
Laurel Creek	Fish Resources	0.0	13.5	Elliott	13.5	1
Laurel Creek	Wildlife Resources	0.0	13.5	Elliott	13.5	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Little Caney Creek	Corridor Character-Undeveloped Rivers	0.2	8.3	Elliott	8.1	2
Little Caney Creek	Fish Resources	0.0	9.0	Elliott	9.0	3
Little Caney Creek	Wildlife Resources	0.0	9.0	Elliott	9.0	1
Little Fork Little Sandy River	Fish Resources	0.0	34.2	Carter	34.2	3
Little Sandy River	Agricultural Lands	70.6	83.5	Elliott	12.9	3
Little Sandy River	Corridor Character-Urban Rivers	36.6	39.2	Carter	2.6	2
Little Sandy River	Cultural Resources	0.0	51.0	Greenup	51.0	3
Little Sandy River	Cultural Resources	70.6	83.5	Elliott	12.9	3
Little Sandy River	Botanical Resources	0.0	51.0	Greenup	51.0	3
Little Sandy River	Botanical Resources	70.6	83.5	Elliott	12.9	3
Little Sandy River	Fish Resources	0.0	51.0	Greenup	51.0	1
Little Sandy River	Geologic/Scenic Features-Scenic Features	70.8	76.0	Elliott	5.2	2
Little Sandy River	Recreational Boating-Whitewater	70.6	76.0	Elliott	5.4	2
Little Sandy River	Water Quality	13.0	51.0	Carter	38.0	2
Little Sandy River	Wildlife Resources	0.0	51.0	Greenup	51.0	2
Little Sandy River	Wildlife Resources	70.6	83.5	Elliott	12.9	2
Middle Fork Little Sandy River	Fish Resources	0.0	7.3	Elliott	7.3	3
Middle Fork Little Sandy River	Wildlife Resources	0.0	7.3	Elliott	7.3	1
Newcombe Creek	Fish Resources	1.0	6.9	Elliott	5.9	3
Newcombe Creek	Wildlife Resources	1.0	6.9	Elliott	5.9	1
North Fork Ruin Creek	Fish Resources	0.0	5.1	Elliott	5.1	1
North Fork Ruin Creek	Water Quality	0.0	5.1	Elliott	5.1	2
Right Fork Little Sandy River	Wildlife Resources	0.0	4.8	Elliott	4.8	1
Ruin Creek	Fish Resources	0.0	1.2	Elliott	1.2	1
Ruin Creek	Recreational Boating-Whitewater	0.0	1.2	Elliott	1.2	3
Ruin Creek	Water Quality	0.0	1.2	Elliott	1.2	2
South Fork Ruin Creek	Fish Resources	0.0	4.0	Elliott	4.0	1
South Fork Ruin Creek	Water Quality	0.0	4.0	Elliott	4.0	2

Study River Name	Resource Category/ Subcategory	Segment (River Miles)	Downstream County	Segment Length	Value Class
LOWER CUMBERLAND RIVER BASIN					
Bayou Creek	Agricultural Lands	0.0	Livingston	22.8	3
Bayou Creek	Fish Resources	0.0	Livingston	22.8	1
Bob (Butler) Branch	Fish Resources	0.0	Crittenden	4.0	1
Brushy Fork	Fish Resources	0.0	Crittenden	5.2	1
Camp Creek	Fish Resources	0.0	Crittenden	6.5	1
Casey Creek	Fish Resources	0.0	Trigg	5.1	1
Claylick Creek	Fish Resources	0.0	Crittenden	16.9	3
Coefield Creek	Agricultural Lands	0.0	Crittenden	11.5	3
Crooked Creek	Fish Resources	0.0	Crittenden	28.4	1
Cumberland River	Agricultural Lands	0.0	Livingston	30.6	1
Cumberland River	Botanical Resources	0.0	Livingston	30.6	3
Cumberland River	Fish Resources	0.0	Livingston	2.5	1
Cumberland River	Recreational Boating-Flatwater	0.0	Livingston	30.6	1
Cumberland River	Recreational Boating-Powerboating	0.0	Livingston	30.6	2
Cumberland River	Water Resources-Hydropower	30.6	Livingston	0.0	1
Cumberland River	Water Resources-Navigation	0.0	Livingston	30.6	1
Cumberland River	Wildlife Resources	0.0	Livingston	30.6	1
Deer Creek	Agricultural Lands	0.0	Crittenden	18.8	3
Deer Creek	Fish Resources	0.0	Crittenden	18.8	3
Donaldson Creek	Fish Resources	8.5	Trigg	5.7	1
Elk Fork Red River	Agricultural Lands	8.4	Todd	28.8	2
Elk Fork Red River	Fish Resources	8.4	Todd	5.1	1
Elk Fork Red River	Wildlife Resources	8.4	Todd	28.8	2
Hurricane Creek	Agricultural Lands	0.0	Crittenden	17.7	3
Hurricane Creek	Fish Resources	0.0	Crittenden	17.7	3
Little River	Agricultural Lands	16.3	Trigg	44.7	3

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Little River	Cultural Resources	16.3	61.0	Trigg	44.7	2
Little River	Botanical Resources	16.3	24.4	Trigg	8.1	2
Little River	Fish Resources	16.3	61.0	Trigg	44.7	1
Little River	Recreational Boating-Flatwater	16.3	24.4	Trigg	8.1	2
Little River	Wildlife Resources	16.3	61.0	Trigg	44.7	1
Little Whippoorwill Creek	Fish Resources	0.0	4.2	Logan	4.2	3
Livingston Creek	Fish Resources	0.0	27.0	Crittenden	27.0	3
Long Branch	Agricultural Lands	0.0	7.0	Livingston	7.0	3
Montgomery Creek	Agricultural Lands	0.0	10.7	Christian	10.7	2
Montgomery Creek	Fish Resources	0.0	10.7	Christian	10.7	3
Muddy Fork Little River	Botanical Resources	3.0	9.0	Trigg	6.0	3
Muddy Fork Little River	Recreational Boating-Flatwater	11.4	33.2	Trigg	21.8	2
North Fork Little River	Corridor Character-Urban Rivers	67.8	74.3	Christian	6.5	3
Ohio River	Water Quality	119.4	126.4	Union	7.0	2
Pleasant Run	Wildlife Resources	0.0	7.2	Logan	7.2	2
Red River	Agricultural Lands	50.2	80.5	Simpson	30.3	3
Red River	Fish Resources	50.2	80.5	Simpson	30.3	1
Red River	Recreational Boating-Flatwater	50.2	74.9	Simpson	24.7	2
Red River	Water Quality	50.2	80.5	Simpson	30.3	3
Red River	Wildlife Resources	50.2	80.5	Simpson	30.3	2
Sinking Fork Little River	Agricultural Lands	3.0	35.5	Trigg	32.5	3
Skinframe Creek	Fish Resources	0.0	4.8	Lyon	4.8	3
South Fork Red River	Botanical Resources	0.0	8.0	Logan	8.0	3
South Fork Red River	Fish Resources	0.0	8.0	Logan	8.0	1
South Fork Red River	Wildlife Resources	0.0	8.0	Logan	8.0	1
Spring Creek	Agricultural Lands	14.4	22.7	Todd	8.3	2
Sugar Creek	Agricultural Lands	0.0	10.4	Livingston	10.4	2
Sugar Creek	Fish Resources	0.0	10.4	Livingston	10.4	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Sulphur Spring Creek	Fish Resources	2.7	6.9	Simpson	4.2	3
Sulphur Spring Creek	Wildlife Resources	0.0	9.2	Simpson	9.2	2
West Fork Red River	Fish Resources	1.5	46.8	Christian	32.3	1
West Fork Red River	Wildlife Resources	14.5	46.8	Christian	32.3	1
Whippoorwill Creek	Agricultural Lands	0.0	44.7	Logan	44.7	2
Whippoorwill Creek	Corridor Character-Undeveloped Rivers	0.0	44.7	Logan	44.7	3
Whippoorwill Creek	Fish Resources	0.0	44.7	Logan	44.7	1
Whippoorwill Creek	Water Quality	0.0	44.7	Logan	44.7	1
Whippoorwill Creek	Wildlife Resources	0.0	44.7	Logan	44.7	2
SALT RIVER BASIN						
Barebone Creek	Fish Resources	0.0	2.0	Trimble	2.0	3
Beech Creek	Fish Resources	0.0	30.0	Spencer	30.0	2
Beech Creek	Water Quality	0.0	30.0	Spencer	30.0	3
Beech Creek	Wildlife Resources	0.0	30.0	Spencer	30.0	2
Beech Fork	Fish Resources	0.0	110.3	Nelson	110.3	2
Beech Fork	Recreational Boating-Flatwater	0.0	32.2	Nelson	32.2	2
Beech Fork	Water Quality	20.9	107.9	Nelson	87.0	3
Beech Fork	Water Resources-Future Development	0.0	39.1	Nelson	39.1	1
Beech Fork	Wildlife Resources	0.0	110.3	Nelson	110.3	1
Big South Fork Rolling Fork	Fish Resources	0.0	21.8	Marion	21.8	2
Big South Fork Rolling Fork	Water Quality	0.0	21.8	Marion	21.8	3
Big South Fork Rolling Fork	Wildlife Resources	0.0	21.8	Marion	21.8	3
Brashears Creek	Fish Resources	0.0	25.5	Spencer	25.5	2
Brashears Creek	Water Quality	0.0	25.5	Spencer	25.5	2
Bullskin Creek	Water Quality	0.0	22.5	Shelby	22.5	3
Bullskin Creek	Wildlife Resources	0.0	16.8	Shelby	16.8	3
Cartwright Creek	Fish Resources	0.0	26.0	Washington	26.0	2

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Cartwright Creek	Water Quality	0.0	26.0	Washington	26.0	3
Chaplin River	Fish Resources	22.7	40.1	Washington	17.4	2
Chaplin River	Water Quality	22.7	40.1	Washington	17.4	3
Chaplin River	Wildlife Resources	0.0	88.6	Washington	88.6	2
Clear Creek	Fish Resources	0.0	26.4	Shelby	26.4	2
Clear Creek	Wildlife Resources	0.0	26.4	Shelby	26.4	3
Dry Fork	Agricultural Lands	0.0	9.0	Mercer	9.0	3
Floyds Fork	Botanical Resources	0.0	50.0	Bullitt	50.0	3
Floyds Fork	Fish Resources	0.0	67.0	Bullitt	67.0	2
Floyds Fork	Recreational Boating-Backcountry	0.4	50.7	Bullitt	50.3	3
Floyds Fork	Recreational Boating-Flatwater	0.4	50.7	Bullitt	50.3	2
Floyds Fork	Water Quality	13.1	61.7	Bullitt	48.6	3
Floyds Fork	Wildlife Resources	0.0	67.0	Bullitt	67.0	1
Guist Creek	Wildlife Resources	0.0	27.6	Shelby	27.6	3
Harrods Creek	Botanical Resources	0.0	22.3	Jefferson	22.3	3
Harrods Creek	Fish Resources	0.0	31.7	Jefferson	31.7	3
Harrods Creek	Recreational Boating-Whitewater	0.0	22.3	Jefferson	22.3	3
Harrods Creek	Wildlife Resources	0.0	31.7	Jefferson	31.7	1
Knob Creek	Wildlife Resources	0.0	8.8	Bullitt	8.8	2
Lick Run	Wildlife Resources	0.0	7.2	Washington	7.2	3
Little Kentucky River	Botanical Resources	0.0	27.2	Carroll	27.2	3
Little Kentucky River	Fish Resources	0.0	27.2	Carroll	27.2	2
Little Kentucky River	Water Quality	0.0	27.2	Carroll	27.2	3
Little Kentucky River	Wildlife Resources	0.0	27.2	Carroll	27.2	2
Middle Fork Beargrass Creek	Corridor Character-Urban Rivers	0.0	7.4	Jefferson	7.4	3
Mill Creek	Agricultural Lands	0.0	23.6	Hardin	23.6	3
Mill Creek	Corridor Character-Undeveloped Rivers	0.0	19.0	Hardin	19.0	2
North Rolling Fork	Fish Resources	107.9	119.9	Marion	12.0	2

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
North Rolling Fork	Water Quality	107.9	119.9	Marion	12.0	2
Ohio River	Corridor Character-Urban Rivers	369.8	379.3	Jefferson	9.5	1
Ohio River	Botanical Resources	371.9	377.9	Jefferson	6.0	1
Ohio River	Botanical Resources	382.3	385.5	Jefferson	3.2	1
Ohio River	Geologic/Scenic Features-Geologic Features	375.5	377.0	Jefferson	1.5	2
Ohio River	Water Resources-Future Development	351.5	435.6	Hardin	84.1	1
Ohio River	Water Resources-Hydropower	375.5	375.5	Jefferson	0.0	2
Plum Creek	Recreational Boating-Whitewater	0.0	10.5	Spencer	10.5	2
Plum Creek	Wildlife Resources	0.0	10.5	Spencer	10.5	3
Pond Creek	Botanical Resources	1.7	3.3	Oldham	1.6	1
Rolling Fork	Agricultural Lands	0.0	93.7	Bullitt	93.7	3
Rolling Fork	Agricultural Lands	93.7	107.9	Marion	14.2	3
Rolling Fork	Cultural Resources	0.0	107.9	Bullitt	107.9	2
Rolling Fork	Botanical Resources	0.0	69.7	Bullitt	69.7	2
Rolling Fork	Fish Resources	0.0	107.9	Bullitt	107.9	1
Rolling Fork	Recreational Boating-Flatwater	0.0	107.4	Bullitt	107.4	2
Rolling Fork	Water Quality	38.4	107.9	Larue	69.5	3
Rolling Fork	Water Resources-Future Development	0.0	20.2	Bullitt	20.2	1
Rolling Fork	Water Resources-Future Development	20.2	62.5	Nelson	42.3	1
Rolling Fork	Wildlife Resources	23.5	107.9	Hardin	84.4	1
Salt River	Agricultural Lands	11.0	59.5	Bullitt	48.5	3
Salt River	Agricultural Lands	88.5	141.3	Anderson	52.8	3
Salt River	Corridor Character-Undeveloped Rivers	0.5	18.3	Bullitt	17.8	2
Salt River	Corridor Character-Urban Rivers	20.8	25.4	Bullitt	4.6	2
Salt River	Cultural Resources	0.0	59.5	Bullitt	59.5	2
Salt River	Cultural Resources	82.0	148.7	Spencer	66.7	2
Salt River	Fish Resources	0.0	59.5	Bullitt	59.5	2
Salt River	Recreational Boating-Flatwater	0.0	59.5	Bullitt	59.5	2

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Salt River	Recreational Boating-Flatwater	82.0	118.5	Spencer	36.5	2
Salt River	Water Quality	82.0	138.0	Spencer	56.0	3
Salt River	Water Resources-Future Development	0.0	59.5	Bullitt	59.5	2
Salt River	Wildlife Resources	0.0	59.5	Bullitt	59.5	1
Salt River	Wildlife Resources	82.0	148.7	Spencer	66.7	2
South Fork Beargrass Creek	Corridor Character-Urban Rivers	0.0	11.9	Jefferson	11.9	3
South Fork Beargrass Creek	Fish Resources	0.0	15.5	Jefferson	15.5	1
South Fork Harrods Creek	Botanical Resources	0.0	4.5	Oldham	4.5	1
U.T.* of Harrods Creek(1st Trib)	Fish Resources	0.0	3.2	Jefferson	3.2	1
U.T.* of Muddy Fork(Mockingbird)	Fish Resources	0.0	1.7	Jefferson	1.7	1
Weicher Creek	Fish Resources	0.0	2.2	Jefferson	2.2	1
Wilson Creek	Fish Resources	0.0	17.0	Bullitt	17.0	1
Wilson Creek	Water Quality	0.0	17.0	Bullitt	17.0	2
TENNESSEE RIVER BASIN						
Beechy Creek	Fish Resources	0.3	6.2	Calloway	5.9	1
Blood River	Botanical Resources	8.3	15.7	Calloway	7.4	1
Blood River	Fish Resources	8.3	15.7	Calloway	7.4	1
Blood River	Wildlife Resources	8.3	15.7	Calloway	7.4	1
Clarks River	Agricultural Lands	0.0	59.9	McCracken	59.9	1
Clarks River	Botanical Resources	0.0	59.9	McCracken	59.9	1
Clarks River	Recreational Boating-Flatwater	0.0	16.0	McCracken	16.0	2
Clarks River	Wildlife Resources	0.0	59.9	McCracken	59.9	2
East Fork Clarks River	Fish Resources	0.0	7.4	Calloway	7.4	1
East Fork Clarks River	Water Quality	0.0	7.4	Calloway	7.4	3
East Fork Clarks River	Wildlife Resources	0.0	7.4	Calloway	7.4	1
Egners Branch	Fish Resources	0.0	4.1	Marshall	4.1	1
Knight Branch	Fish Resources	0.0	2.5	Calloway	2.5	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Ledbetter Creek	Fish Resources	1.8	3.3	Calloway	1.5	1
Panther Creek	Botanical Resources	0.0	1.5	Calloway	1.5	1
Panther Creek	Fish Resources	0.0	5.2	Calloway	5.2	1
Tennessee River	Agricultural Lands	0.0	22.4	McCracken	22.4	1
Tennessee River	Fish Resources	0.0	22.4	McCracken	22.4	1
Tennessee River	Recreational Boating-Flatwater	4.3	22.4	McCracken	18.1	1
Tennessee River	Recreational Boating-Powerboating	0.0	22.4	McCracken	22.4	2
Tennessee River	Water Quality	17.9	22.4	Marshall	4.5	2
Tennessee River	Water Resources-Hydropower	22.4	22.4	Marshall	0.0	1
Tennessee River	Water Resources-Navigation	0.0	22.4	McCracken	22.4	1
Tennessee River	Wildlife Resources	0.0	22.4	McCracken	22.4	2
West Fork Clarks River	Agricultural Lands	0.0	37.5	McCracken	37.5	1
West Fork Clarks River	Fish Resources	0.0	37.5	McCracken	37.5	1
TRADEWATER RIVER BASIN						
Camp Creek	Fish Resources	0.0	3.3	Christian	3.3	3
Caney Fork	Agricultural Lands	0.0	11.0	Webster	11.0	3
Canoe Creek	Agricultural Lands	0.0	14.8	Henderson	14.8	1
Canoe Creek	Fish Resources	0.0	14.8	Henderson	14.8	3
Clear Creek	Botanical Resources	0.0	24.2	Hopkins	24.2	2
Clear Creek	Fish Resources	0.0	13.4	Hopkins	13.4	1
Clear Creek	Wildlife Resources	0.0	24.2	Hopkins	24.2	1
Cypress Creek	Agricultural Lands	0.0	10.3	Union	10.3	3
Elam Ditch	Agricultural Lands	0.0	8.0	Henderson	8.0	1
Flynn Fork	Fish Resources	0.0	14.0	Caldwell	14.0	2
Highland Creek	Agricultural Lands	0.0	31.7	Union	31.7	1
Highland Creek	Botanical Resources	0.0	31.7	Union	31.7	1
Highland Creek	Fish Resources	0.0	31.7	Union	31.7	3

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Highland Creek	Wildlife Resources	0.0	17.7	Union	17.7	1
Land Branch	Fish Resources	0.0	2.5	Caldwell	2.5	1
Lick Creek	Wildlife Resources	0.0	7.6	Hopkins	7.6	1
Lost Creek	Agricultural Lands	0.0	10.0	Union	10.0	3
Montgomery Creek	Botanical Resources	0.0	2.2	Caldwell	2.2	1
Ohio River	Corridor Character-Urban Rivers	174.6	180.3	Henderson	5.7	1
Ohio River	Botanical Resources	139.5	172.7	Union	33.2	1
Ohio River	Botanical Resources	163.5	197.4	Henderson	33.9	1
Ohio River	Fish Resources	133.5	664.0	Union	530.5	3
Ohio River	Water Resources-Future Development	108.0	197.4	Union	89.4	1
Piney Creek	Botanical Resources	0.0	25.5	Crittenden	25.5	1
Piney Creek	Fish Resources	0.0	25.5	Crittenden	25.5	2
Pond Creek	Agricultural Lands	0.0	17.2	Union	17.2	2
Pond Creek	Wildlife Resources	0.0	17.2	Union	17.2	1
Sandlick Creek	Fish Resources	0.0	9.0	Christian	9.0	3
Sellers Ditch	Fish Resources	0.0	1.2	Henderson	1.2	3
Sugar Creek	Fish Resources	0.0	2.7	Christian	2.7	3
Tradewater River	Agricultural Lands	0.0	131.2	Crittenden	131.2	3
Tradewater River	Corridor Character-Undeveloped Rivers	7.2	15.1	Crittenden	7.9	2
Tradewater River	Corridor Character-Undeveloped Rivers	19.5	84.9	Crittenden	65.4	3
Tradewater River	Corridor Character-Undeveloped Rivers	92.6	113.0	Christian	20.4	3
Tradewater River	Corridor Character-Urban Rivers	84.9	92.2	Caldwell	7.3	3
Tradewater River	Cultural Resources	0.0	131.2	Crittenden	131.2	3
Tradewater River	Botanical Resources	0.0	131.2	Crittenden	131.2	1
Tradewater River	Fish Resources	0.0	131.2	Crittenden	131.2	3
Tradewater River	Recreational Boating-Backcountry	0.0	63.9	Crittenden	63.9	3
Tradewater River	Recreational Boating-Flatwater	0.0	63.9	Crittenden	63.9	2
Tradewater River	Water Resources-Future Development	0.0	20.5	Crittenden	20.5	2

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Tradewater River	Water Resources-Future Development	20.5	95.0	Crittenden	74.5	3
Tradewater River	Wildlife Resources	0.0	92.2	Crittenden	92.2	1
Weirs Creek	Wildlife Resources	0.0	6.1	Hopkins	6.1	2
West Fork Canoe Creek	Agricultural Lands	0.0	7.0	Henderson	7.0	1
Wilson Creek	Agricultural Lands	0.0	7.2	Henderson	7.2	1
TYGARTS CREEK RIVER BASIN						
Buffalo Creek	Fish Resources	0.0	12.0	Carter	12.0	3
Cave Branch	Geologic/Scenic Features-Geologic Features	0.0	3.0	Carter	3.0	2
Ohio River	Agricultural Lands	628.2	664.0	Greenup	35.8	1
Ohio River	Corridor Character-Urban Rivers	652.8	656.7	Greenup	3.9	2
Ohio River	Corridor Character-Urban Rivers	657.5	660.6	Boyd	3.1	2
Ohio River	Water Quality	626.3	628.2	Greenup	1.9	2
Ohio River	Water Resources-Hydropower	640.4	640.4	Greenup	0.0	2
Tygarts Creek	Corridor Character-Undeveloped Rivers	56.3	71.9	Carter	15.6	3
Tygarts Creek	Cultural Resources	0.0	89.1	Greenup	89.1	3
Tygarts Creek	Botanical Resources	49.0	65.3	Carter	16.3	1
Tygarts Creek	Fish Resources	0.0	89.1	Greenup	89.1	1
Tygarts Creek	Geologic/Scenic Features-Geologic Features	65.3	67.3	Carter	2.0	2
Tygarts Creek	Recreational Boating-Backcountry	0.0	75.2	Greenup	75.2	2
Tygarts Creek	Water Quality	0.0	89.1	Greenup	89.1	2
Tygarts Creek	Wildlife Resources	0.0	89.1	Greenup	89.1	3
White Oak Creek	Fish Resources	0.0	10.6	Greenup	10.6	1
UPPER CUMBERLAND RIVER BASIN						
Addison Branch	Botanical Resources	0.0	1.0	Pulaski	1.0	1
Archers Creek	Corridor Character-Undeveloped Rivers	0.0	3.2	Whitley	3.2	2
Archers Creek	Botanical Resources	0.0	3.2	Whitley	3.2	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)	Segment (River Miles)	Downstream County	Segment Length	Value Class
Archers Creek	Fish Resources	0.0	3.2	Whitley	3.2	1
Archers Creek	Water Quality	0.0	3.2	Whitley	3.2	1
Bad Branch	Corridor Character-Undeveloped Rivers	0.2	4.1	Letcher	3.9	1
Bad Branch	Botanical Resources	0.0	4.1	Letcher	4.1	1
Bad Branch	Fish Resources	0.0	4.1	Letcher	4.1	1
Bad Branch	Water Quality	0.0	4.1	Letcher	4.1	1
Bad Branch	Wildlife Resources	0.0	4.1	Letcher	4.1	1
Bark Camp Creek	Fish Resources	0.0	5.6	Whitley	5.6	1
Bark Camp Creek	Wildlife Resources	0.0	9.1	Whitley	9.1	3
Bear Creek	Wildlife Resources	0.0	9.0	Cumberland	9.0	3
Beaver Creek	Corridor Character-Undeveloped Rivers	2.2	9.2	McCreary	7.0	1
Beaver Creek	Botanical Resources	2.2	9.2	McCreary	7.0	1
Beaver Creek	Fish Resources	2.2	9.2	McCreary	7.0	1
Beaver Creek	Water Quality	2.2	9.2	McCreary	7.0	1
Beaver Creek	Wildlife Resources	2.2	9.2	McCreary	7.0	1
Beaver Creek	Fish Resources	21.3	24.0	Wayne	2.7	3
Beaver Creek	Wildlife Resources	24.4	38.8	Wayne	14.4	2
Becks Creek	Fish Resources	0.0	2.8	Whitley	2.8	1
Big Lick Branch	Fish Resources	0.4	2.8	Pulaski	2.4	1
Big South Fork Cumberland R.	Corridor Character-Undeveloped Rivers	44.9	55.2	McCreary	10.3	2
Big South Fork Cumberland R.	Cultural Resources	16.5	55.2	Pulaski	38.7	2
Big South Fork Cumberland R.	Botanical Resources	40.3	55.2	McCreary	14.9	1
Big South Fork Cumberland R.	Fish Resources	40.3	55.2	McCreary	14.9	1
Big South Fork Cumberland R.	Geologic/Scenic Features-Scenic Features	40.3	55.2	McCreary	14.9	2
Big South Fork Cumberland R.	Recreational Boating-Backcountry	40.3	55.2	McCreary	14.9	1
Big South Fork Cumberland R.	Recreational Boating-Powerboating	16.5	40.3	McCreary	23.8	2
Big South Fork Cumberland R.	Water Quality	40.3	55.2	McCreary	14.9	2
Big South Fork Cumberland R.	Water Resources-Future Development	16.5	40.3	McCreary	23.8	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Big South Fork Cumberland R.	Wildlife Resources	16.5	55.2	Pulaski	38.7	1
Bridge Fork	Fish Resources	0.0	6.0	McCreary	6.0	1
Brier Creek	Fish Resources	0.0	5.3	Whitley	5.3	1
Brownies Creek	Fish Resources	0.0	16.3	Bell	16.3	1
Brush Creek	Fish Resources	0.0	8.7	Rockcastle	8.7	3
Brushy Creek	Fish Resources	0.0	16.1	Pulaski	16.1	3
Buck Creek	Fish Resources	0.0	2.8	Whitley	2.8	1
Buck Creek	Corridor Character-Undeveloped Rivers	12.3	25.0	Pulaski	12.7	3
Buck Creek	Botanical Resources	10.5	52.4	Pulaski	41.9	1
Buck Creek	Fish Resources	10.5	52.4	Pulaski	41.9	1
Buck Creek	Recreational Boating-Backcountry	10.5	31.8	Pulaski	21.3	2
Buck Creek	Water Quality	10.5	47.7	Pulaski	37.2	1
Buck Creek	Wildlife Resources	10.5	62.4	Pulaski	51.9	1
Bucks Branch	Fish Resources	0.0	2.5	Whitley	2.5	1
Buffalo Creek	Fish Resources	2.0	3.4	Whitley	1.4	1
Bunches Creek	Botanical Resources	0.0	4.9	Whitley	4.9	2
Bunches Creek	Fish Resources	0.0	4.9	Whitley	4.9	1
Bunches Creek	Water Quality	0.0	4.9	Whitley	4.9	1
Cal Creek	Fish Resources	0.0	2.0	McCreary	2.0	1
Cane Creek	Corridor Character-Undeveloped Rivers	0.0	12.0	Laurel	12.0	1
Cane Creek	Botanical Resources	0.0	12.0	Laurel	12.0	1
Cane Creek	Fish Resources	0.0	12.0	Laurel	12.0	1
Cane Creek	Geologic/Scenic Features-Scenic Features	0.0	4.1	Laurel	4.1	1
Cane Creek	Water Quality	0.0	12.0	Laurel	12.0	2
Cane Creek	Wildlife Resources	0.0	12.0	Laurel	12.0	2
Cane Creek	Fish Resources	0.0	8.5	Whitley	8.5	1
Caney Branch	Wildlife Resources	0.0	2.2	Clinton	2.2	1
Caney Creek	Fish Resources	0.0	0.9	Bell	0.9	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Catrons Creek	Fish Resources	0.0	8.5	Harlan	8.5	3
Clear Creek	Fish Resources	0.0	12.1	Rockcastle	12.1	3
Clear Creek	Fish Resources	0.0	16.0	Bell	16.0	3
Clear Fork	Wildlife Resources	0.0	22.9	Whitley	22.9	3
Clifty Creek	Fish Resources	0.0	3.4	Pulaski	3.4	3
Clover Bottom Creek	Fish Resources	0.0	1.4	Jackson	1.4	1
Clover Bottom Creek	Wildlife Resources	0.0	10.3	Jackson	10.3	3
Clover Fork	Fish Resources	0.0	34.5	Harlan	34.5	3
Cloverlick Creek	Fish Resources	0.0	8.1	Harlan	8.1	3
Cogur Fork	Fish Resources	0.0	4.2	McCreary	4.2	1
Coldweather Creek	Fish Resources	0.0	4.8	Pulaski	4.8	3
Colliers Creek	Botanical Resources	0.0	2.0	Letcher	2.0	3
Cooper Creek	Wildlife Resources	0.0	6.0	McCreary	6.0	2
Cranks Creek	Fish Resources	0.0	14.0	Harlan	14.0	3
Crocus Creek	Fish Resources	0.0	27.5	Cumberland	27.5	3
Crocus Creek	Water Quality	0.0	27.5	Cumberland	27.5	3
Crooked Creek	Fish Resources	0.0	12.2	Rockcastle	12.2	3
Crooked Creek	Geologic/Scenic Features-Geologic Features	0.0	7.9	Rockcastle	7.9	2
Crows Creek	Wildlife Resources	0.0	1.8	Cumberland	1.8	3
Crummies Creek	Fish Resources	0.0	6.5	Harlan	6.5	3
Cumberland River	Agricultural Lands	385.5	460.9	Monroe	75.4	2
Cumberland River	Agricultural Lands	574.8	623.8	Whitley	49.0	2
Cumberland River	Corridor Character-Undeveloped Rivers	557.3	572.8	McCreary	15.5	2
Cumberland River	Corridor Character-Urban Rivers	589.5	591.7	Whitley	2.2	2
Cumberland River	Cultural Resources	385.5	460.9	Monroe	75.4	1
Cumberland River	Cultural Resources	558.5	694.2	McCreary	135.7	1
Cumberland River	Botanical Resources	385.5	460.9	Monroe	75.4	3
Cumberland River	Botanical Resources	449.0	451.1	Clinton	2.1	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Cumberland River	Botanical Resources	557.3	574.8	McCreary	17.5	1
Cumberland River	Botanical Resources	558.5	591.7	McCreary	33.2	1
Cumberland River	Fish Resources	409.5	460.9	Cumberland	51.4	1
Cumberland River	Fish Resources	558.5	574.8	McCreary	16.3	1
Cumberland River	Geologic/Scenic Features-Geologic Features	558.6	562.6	McCreary	4.0	2
Cumberland River	Geologic/Scenic Features-Geologic Features	653.0	656.3	Bell	3.3	2
Cumberland River	Geologic/Scenic Features-Scenic Features	558.5	562.3	McCreary	3.8	2
Cumberland River	Geologic/Scenic Features-Scenic Features	562.3	574.8	McCreary	12.5	3
Cumberland River	Recreational Boating-Backcountry	385.5	460.9	Monroe	75.4	2
Cumberland River	Recreational Boating-Backcountry	552.1	694.2	Whitley	142.1	1
Cumberland River	Recreational Boating-Flatwater	385.5	460.9	Monroe	75.4	1
Cumberland River	Recreational Boating-Whitewater	552.1	562.3	McCreary	10.2	1
Cumberland River	Recreational Boating-Whitewater	562.3	578.5	McCreary	16.2	2
Cumberland River	Water Quality	385.5	460.9	Monroe	75.4	3
Cumberland River	Water Quality	558.5	574.8	McCreary	16.3	2
Cumberland River	Water Resources-Future Development	385.5	460.9	Monroe	75.4	1
Cumberland River	Water Resources-Future Development	546.5	694.2	Laurel	147.7	1
Cumberland River	Water Resources-Hydropower	460.9	460.9	Russell	0.0	1
Cumberland River	Wildlife Resources	385.5	460.9	Monroe	75.4	1
Davis Branch	Botanical Resources	0.0	4.3	Bell	4.3	1
Davis Branch	Fish Resources	0.0	4.3	Bell	4.3	1
Difficulty Creek	Corridor Character-Undeveloped Rivers	0.0	3.5	McCreary	3.5	1
Difficulty Creek	Fish Resources	0.0	3.5	McCreary	3.5	1
Dog Slaughter Creek	Corridor Character-Undeveloped Rivers	0.0	5.4	Whitley	5.4	1
Dog Slaughter Creek	Fish Resources	0.0	5.4	Whitley	5.4	1
Dog Slaughter Creek	Water Quality	0.0	5.4	Whitley	5.4	1
Dog Slaughter Creek	Wildlife Resources	0.0	5.4	Whitley	5.4	1
Eagle Creek	Fish Resources	0.0	6.2	McCreary	6.2	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Eagle Creek	Water Quality	0.0	6.2	McCreary	6.2	1
Eagle Creek	Wildlife Resources	0.0	6.2	McCreary	6.2	2
Ewing Creek	Fish Resources	0.0	3.7	Harlan	3.7	3
Faubush Creek	Fish Resources	0.0	2.5	Pulaski	2.5	3
Fishing Creek	Fish Resources	20.5	41.6	Pulaski	21.1	2
Fishing Creek	Water Quality	20.5	41.6	Pulaski	21.1	3
Flat Lick	Fish Resources	0.0	10.0	Pulaski	10.0	3
Forester Creek	Fish Resources	0.0	4.9	Harlan	4.9	3
Fugitt Creek	Fish Resources	0.0	4.7	Harlan	4.7	3
Fugitt Creek	Wildlife Resources	0.0	4.7	Harlan	4.7	2
Greasy Creek	Wildlife Resources	6.6	14.3	Russell	7.7	3
Gulf Fork	Botanical Resources	0.0	1.5	McCreary	1.5	1
Hawk Creek	Fish Resources	0.0	4.4	Laurel	4.4	3
Hawk Creek	Wildlife Resources	0.0	6.6	Laurel	6.6	3
Horse Lick Creek	Corridor Character-Undeveloped Rivers	0.0	21.2	Jackson	21.2	3
Horse Lick Creek	Botanical Resources	0.0	21.2	Jackson	21.2	1
Horse Lick Creek	Fish Resources	0.0	21.2	Jackson	21.2	1
Horse Lick Creek	Water Quality	0.0	12.2	Jackson	12.2	1
Horse Lick Creek	Wildlife Resources	0.0	21.2	Jackson	21.2	3
House Fork Creek	Fish Resources	0.0	7.8	Pulaski	7.8	3
Howards Creek	Botanical Resources	0.8	2.3	Clinton	1.5	1
Illwill Creek	Wildlife Resources	6.0	13.0	Clinton	7.0	2
Indian Creek	Fish Resources	0.0	10.9	Knox	10.9	3
Indian Creek	Fish Resources	6.7	10.8	McCreary	4.1	1
Indian Creek	Wildlife Resources	0.0	11.9	McCreary	11.9	3
Indian Creek	Botanical Resources	7.3	8.4	Clinton	1.1	1
Indian Creek	Wildlife Resources	7.3	8.4	Clinton	1.1	2
Indian Creek	Fish Resources	0.0	4.4	Jackson	4.4	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Indian Creek	Water Quality	0.0	4.4	Jackson	4.4	3
Indian Creek	Wildlife Resources	0.0	7.3	Jackson	7.3	3
Jellico Creek	Agricultural Lands	0.0	25.1	Whitley	25.1	2
Jellico Creek	Fish Resources	0.0	25.1	Whitley	25.1	3
Jellico Creek	Wildlife Resources	0.0	25.1	Whitley	25.1	3
Jones Creek	Fish Resources	0.0	2.5	Rockcastle	2.5	3
Kennedy Creek	Botanical Resources	0.0	1.0	Wayne	1.0	3
Kennedy Creek	Fish Resources	0.0	3.1	Wayne	3.1	1
Kennedy Creek	Water Quality	0.0	3.1	Wayne	3.1	1
Laurel Creek	Fish Resources	0.0	9.2	McCreary	9.2	1
Laurel Creek	Water Quality	0.0	9.2	McCreary	9.2	1
Laurel Fork	Fish Resources	0.0	12.2	Jackson	12.2	1
Laurel Fork	Wildlife Resources	0.0	12.2	Jackson	12.2	3
Laurel River	Botanical Resources	0.8	2.1	Laurel	1.3	3
Laurel River	Botanical Resources	41.2	46.6	Laurel	5.4	1
Laurel River	Fish Resources	0.8	2.1	Laurel	1.3	2
Laurel River	Recreational Boating-Whitewater	0.8	2.1	Laurel	1.3	1
Laurel River	Water Resources-Hydropower	2.1	2.1	Laurel	0.0	2
Laurel River	Wildlife Resources	21.7	51.0	Laurel	29.3	3
Left Fork Caney Creek	Fish Resources	0.0	2.0	Bell	2.0	1
Left Fork Straight Creek	Fish Resources	3.0	4.2	Bell	1.2	1
Lewis Creek	Fish Resources	0.0	2.8	Letcher	2.8	1
Lick Creek	Fish Resources	0.0	2.5	McCreary	2.5	1
Lick Creek	Wildlife Resources	0.0	4.0	Pulaski	4.0	1
Lily Creek & Big Lily Creek	Wildlife Resources	4.7	11.7	Russell	7.0	3
Little Clear Creek	Fish Resources	0.0	11.4	Bell	11.4	1
Little Laurel River	Wildlife Resources	0.0	24.4	Laurel	24.4	3
Little Richland Creek	Fish Resources	0.0	10.4	Knox	10.4	3

Study River Name	Resource Category/ Subcategory	Segment (River Miles)	Downstream County	Segment Length	Value Class
Little South Fork Cumberland R	Corridor Character-Undeveloped Rivers	5.5 43.7	McCreary	38.2	3
Little South Fork Cumberland R	Botanical Resources	4.1 43.7	McCreary	39.6	1
Little South Fork Cumberland R	Fish Resources	4.1 43.7	McCreary	39.6	1
Little South Fork Cumberland R	Geologic/Scenic Features-Scenic Features	4.1 31.5	McCreary	27.4	3
Little South Fork Cumberland R	Recreational Boating-Backcountry	4.1 31.5	McCreary	27.4	2
Little South Fork Cumberland R	Water Quality	4.1 43.7	McCreary	39.6	1
Little South Fork Cumberland R	Wildlife Resources	4.1 43.7	McCreary	39.6	1
Little Yellow Creek	Botanical Resources	1.6 3.2	Bell	1.6	1
Little Yellow Creek	Fish Resources	0.0 3.2	Bell	3.2	1
Long Branch	Fish Resources	0.0 0.7	Whitley	0.7	1
Long Branch	Fish Resources	0.0 2.5	Bell	2.5	1
Looney Creek	Fish Resources	0.0 8.0	Harlan	8.0	3
Looney Creek	Wildlife Resources	0.0 8.0	Harlan	8.0	2
Lower Troublesome Creek	Botanical Resources	0.0 3.9	Pulaski	3.9	3
Lower Troublesome Creek	Geologic/Scenic Features-Scenic Features	0.0 3.9	Pulaski	3.9	1
Lynn Camp Creek	Fish Resources	0.0 14.7	Whitley	14.7	3
Marrowbone Creek	Wildlife Resources	0.0 22.0	Cumberland	22.0	3
Marsh Creek	Corridor Character-Undeveloped Rivers	0.0 8.6	McCreary	8.6	1
Marsh Creek	Botanical Resources	0.0 18.7	McCreary	18.7	2
Marsh Creek	Fish Resources	0.0 24.6	McCreary	24.6	1
Marsh Creek	Geologic/Scenic Features-Scenic Features	0.0 7.1	McCreary	7.1	2
Marsh Creek	Recreational Boating-Whitewater	0.0 7.1	McCreary	7.1	3
Marsh Creek	Water Quality	0.0 8.6	McCreary	8.6	2
Marsh Creek	Wildlife Resources	0.0 24.6	McCreary	24.6	1
Martins Fork	Botanical Resources	27.4 37.2	Harlan	9.8	1
Martins Fork	Fish Resources	0.0 15.5	Harlan	15.5	3
Martins Fork	Fish Resources	27.4 37.2	Harlan	9.8	1
Martins Fork	Water Quality	27.4 37.2	Harlan	9.8	1

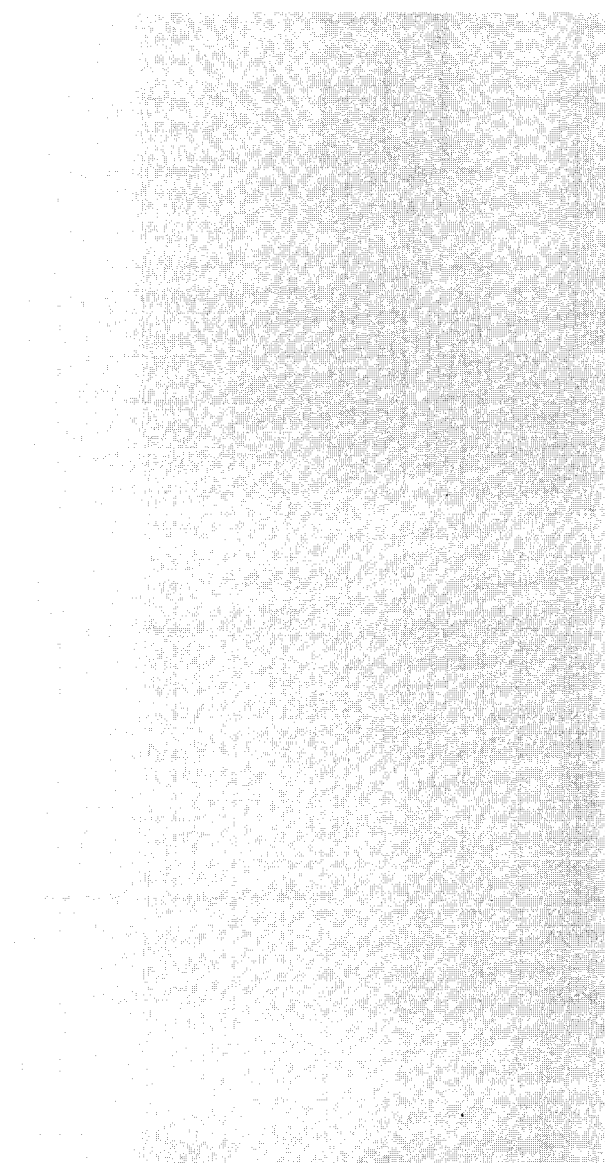
Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Martins Fork	Wildlife Resources	18.1	37.3	Harlan	19.2	2
Martins Fork & Left Fork	Corridor Character-Undeveloped Rivers	25.0	37.2	Harlan	12.2	2
Meadow Creek	Wildlife Resources	0.0	13.3	Whitley	13.3	3
Meadow Creek	Botanical Resources	1.3	4.9	Wayne	3.6	1
Meadow Creek	Wildlife Resources	0.2	9.6	Wayne	9.4	2
Middle Fork Rockcastle River	Botanical Resources	0.0	7.8	Jackson	7.8	2
Middle Fork Rockcastle River	Fish Resources	0.0	7.8	Jackson	7.8	1
Middle Fork Rockcastle River	Water Quality	0.0	7.8	Jackson	7.8	1
Middle Fork Rockcastle River	Wildlife Resources	0.0	7.8	Jackson	7.8	2
Mill Creek	Fish Resources	0.0	3.2	Bell	3.2	1
Mill Creek	Fish Resources	0.6	5.5	McCreary	4.9	1
Mud Camp Creek	Wildlife Resources	0.0	8.4	Cumberland	8.4	3
Ned Branch	Botanical Resources	0.0	1.9	Laurel	1.9	3
Ned Branch	Fish Resources	0.0	1.9	Laurel	1.9	1
Ned Branch	Water Quality	0.0	1.9	Laurel	1.9	1
Otter Creek	Fish Resources	13.0	27.5	Wayne	14.5	3
Otter Creek	Wildlife Resources	13.0	27.5	Wayne	14.5	2
Pine Creek	Botanical Resources	0.0	7.0	Laurel	7.0	1
Pitman Creek	Fish Resources	5.5	34.3	Pulaski	28.8	3
Pitman Creek	Wildlife Resources	5.5	34.3	Pulaski	28.8	1
Pointer Creek	Fish Resources	0.0	7.0	Pulaski	7.0	3
Poor Fork Cumberland River	Corridor Character-Urban Rivers	717.1	721.0	Harlan	3.9	2
Poor Fork Cumberland River	Botanical Resources	694.2	719.0	Harlan	24.8	3
Poor Fork Cumberland River	Fish Resources	722.0	744.0	Harlan	22.0	1
Poor Fork Cumberland River	Water Quality	737.6	744.0	Letcher	6.4	1
Poor Fork Cumberland River	Wildlife Resources	719.3	744.0	Harlan	24.7	2
Poplar Creek	Wildlife Resources	0.0	16.0	Whitley	16.0	3
Porter Creek	Fish Resources	1.4	5.0	Pulaski	3.6	3

Study River Name	Resource Category/ Subcategory	Segment (River Miles)	Downstream Segment County	Segment Length	Value Class	
Puckett Creek	Fish Resources	0.0	10.4	Harlan	10.4	3
Puncheon Creek	Fish Resources	0.0	4.2	Pulaski	4.2	3
Racoon Creek	Botanical Resources	0.0	5.0	Jackson	5.0	2
Renfroe Creek	Fish Resources	0.0	7.2	Rockcastle	7.2	3
Richland Creek	Fish Resources	0.0	19.6	Knox	19.6	3
Right Fork Caney Creek	Fish Resources	0.0	3.3	Bell	3.3	1
Roaring Paunch Creek	Botanical Resources	0.0	15.7	McCreary	15.7	1
Roaring Paunch Creek	Fish Resources	0.0	15.7	McCreary	15.7	3
Roaring Paunch Creek	Wildlife Resources	0.0	15.7	McCreary	15.7	3
Rock Creek	Botanical Resources	0.0	2.0	Laurel	2.0	1
Rock Creek	Fish Resources	0.0	2.0	Laurel	2.0	2
Rock Creek	Water Quality	0.0	2.0	Laurel	2.0	2
Rock Creek	Wildlife Resources	0.0	2.0	Laurel	2.0	2
Rock Creek	Corridor Character-Undeveloped Rivers	3.9	21.9	McCreary	18.0	3
Rock Creek	Botanical Resources	0.0	21.9	McCreary	21.9	1
Rock Creek	Fish Resources	0.0	21.9	McCreary	21.9	1
Rock Creek	Water Quality	3.9	21.9	McCreary	18.0	1
Rock Creek	Wildlife Resources	0.0	21.9	McCreary	21.9	1
Rock Creek	Fish Resources	0.0	5.7	McCreary	5.7	1
Rock Lick Creek	Fish Resources	0.0	9.0	Pulaski	9.0	3
Rockcastle River	Corridor Character-Undeveloped Rivers	8.5	22.1	Laurel	13.6	2
Rockcastle River	Botanical Resources	8.5	22.1	Laurel	13.6	1
Rockcastle River	Fish Resources	8.5	53.3	Laurel	44.8	1
Rockcastle River	Geologic/Scenic Features-Scenic Features	8.5	22.1	Laurel	13.6	2
Rockcastle River	Recreational Boating-Backcountry	8.5	48.3	Laurel	39.8	1
Rockcastle River	Recreational Boating-Whitewater	6.8	22.1	Laurel	15.3	1
Rockcastle River	Water Quality	8.5	53.3	Laurel	44.8	1
Rockcastle River	Water Resources-Future Development	8.5	41.3	Laurel	32.8	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Ross Branch	Fish Resources	0.0	1.6	Whitley	1.6	1
Roundstone Creek	Fish Resources	0.0	28.4	Rockcastle	28.4	1
Roundstone Creek	Wildlife Resources	0.0	28.4	Rockcastle	28.4	3
Ryans Creek	Wildlife Resources	0.0	5.4	Whitley	5.4	3
Sanders Creek	Fish Resources	0.0	5.2	Whitley	5.2	1
Shillalah Creek	Corridor Character-Undeveloped Rivers	0.2	5.4	Bell	5.2	2
Shillalah Creek	Botanical Resources	0.0	5.4	Bell	5.4	1
Shillalah Creek	Fish Resources	0.0	5.4	Bell	5.4	1
Shillalah Creek	Wildlife Resources	0.0	5.4	Bell	5.4	1
Short Creek	Wildlife Resources	0.0	4.6	Pulaski	4.6	3
Shut-in Branch	Fish Resources	0.0	1.0	McCreary	1.0	1
Sims Fork	Fish Resources	0.0	6.5	Bell	6.5	1
Sinking Creek	Fish Resources	0.0	20.4	Laurel	20.4	3
Sinking Creek	Wildlife Resources	0.0	20.4	Laurel	20.4	3
Sinking Creek	Fish Resources	0.0	39.8	Wayne	39.8	3
Sinking Creek	Wildlife Resources	0.0	11.6	Wayne	11.6	1
Skegg Creek	Fish Resources	0.0	11.0	Rockcastle	11.0	3
Spring Creek	Fish Resources	1.9	11.2	Clinton	9.3	3
Spring Creek	Wildlife Resources	1.9	11.2	Clinton	9.3	2
Spruce Creek	Botanical Resources	0.0	2.6	McCreary	2.6	1
Stinking Creek	Fish Resources	0.0	18.8	Knox	18.8	3
Straight Creek	Fish Resources	0.0	11.3	Bell	11.3	1
Straight Creek	Fish Resources	17.4	18.1	Harlan	0.7	1
Straight Creek	Wildlife Resources	0.0	24.3	Bell	24.3	3
Sugar Run	Botanical Resources	0.0	3.2	Bell	3.2	1
Troublesome Creek	Corridor Character-Undeveloped Rivers	0.0	3.7	McCreary	3.7	1
Troublesome Creek	Botanical Resources	0.0	3.7	McCreary	3.7	2
Troublesome Creek	Fish Resources	0.0	3.7	McCreary	3.7	1

Study River Name	Resource Category/ Subcategory	Segment (River Miles)		Downstream County	Segment Length	Value Class
Troublesome Creek	Water Quality	0.0	3.7	McCreary	3.7	2
U.T.* of White Oak Creek	Fish Resources	0.0	3.8	Laurel	3.8	1
Wallins Creek	Fish Resources	0.0	6.2	Harlan	6.2	3
Watts Creek	Fish Resources	0.0	12.4	Harlan	12.4	3
Watts Creek	Wildlife Resources	0.0	12.7	Whitley	12.7	3
White Oak Creek	Fish Resources	0.0	4.0	Laurel	4.0	3
White Oak Creek	Fish Resources	6.1	16.5	Pulaski	10.4	3
Wolf Creek	Fish Resources	0.0	6.4	Whitley	6.4	1
Wolf Creek	Fish Resources	0.0	9.4	McCreary	9.4	3
Wolf Creek	Fish Resources	11.4	20.5	Pulaski	9.1	3
Wolf Creek	Wildlife Resources	11.4	20.5	Pulaski	9.1	1
Wood Creek	Fish Resources	12.3	17.5	Laurel	5.2	3
Wood Creek	Wildlife Resources	12.3	17.5	Laurel	5.2	3
Yahoo Creek	Geologic/Scenic Features-Geologic Features	0.0	1.0	McCreary	1.0	3
Youngs Creek	Botanical Resources	3.4	6.1	Whitley	2.7	1
Youngs Creek	Fish Resources	0.0	6.1	Whitley	6.1	1
Youngs Creek	Water Quality	0.0	6.1	Whitley	6.1	1

* U.T. - unnamed tributary



Resource Evaluation by River Segment

A summary of study rivers listed in alphabetical order identifying resource categories and value class ranking is provided in the following matrix. All resource values occurring on each of the 1,363 river segments are displayed, providing a concise summary of river and stream characteristics studied during the assessment process.

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Adams Fork	0.0	14.4	Ohio	14.4	3																
Addison Branch	0.0	1.0	Pulaski	1.0		1															
Alexander Creek	0.0	7.0	Edmonson	7.0					3												
Archers Creek	0.0	3.2	Whitley	3.2		1	2		1						1						
Bacon Creek	5.7	31.2	Hart	25.5	3				3											1	
Bad Branch	0.0	4.1	Letcher	4.1		1			1						1					1	
Bad Branch	0.2	4.1	Letcher	3.9			1														
Barebone Creek	0.0	2.0	Trimble	2.0					3												
Bark Camp Creek	0.0	5.6	Whitley	5.6					1												
Bark Camp Creek	0.0	9.1	Whitley	9.1																3	
Barren River	0.0	15.0	Butler	15.0	2				1												
Barren River	0.0	31.0	Butler	31.0		3															
Barren River	0.0	43.6	Butler	43.6										3		1					
Barren River	0.0	62.0	Butler	62.0											2						
Barren River	0.0	79.2	Butler	79.2				2			1			2						1	
Barren River	28.5	41.7	Warren	13.2			2														
Barren River	43.6	63.3	Warren	19.7												1					
Barren River	43.6	79.2	Warren	35.6		3															
Barren River	73.2	79.2	Allen	6.0					3												
Barren River	118.5	158.7	Allen	40.2	3			2	1						2					1	

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Bayou Creek	0.0	22.8	Livingston	22.8	3					1											
Bayou de Chien	0.0	14.0	Fulton	14.0						1											
Bayou de Chien	0.0	30.6	Fulton	30.6	1	1															1
Bayou de Chien	11.2	22.7	Hickman	11.5							3	2									
Bays Fork	0.0	27.6	Allen	27.6						3											1
Beals Run	0.0	30.6	Woodford	30.6		1															
Bear Creek	0.0	9.0	Cumberland	9.0																	3
Bear Creek	0.0	45.6	Edmonson	45.6						3											2
Beaver Creek	0.0	7.0	Floyd	7.0						3											
Beaver Creek	2.2	9.2	McCreary	7.0		1	1			1						1					1
Beaver Creek	11.4	15.9	Menifee	4.5																	1
Beaver Creek	11.4	19.2	Menifee	7.8						2											
Beaver Creek	13.2	38.2	Barren	25.0	3																1
Beaver Creek	21.3	24.0	Wayne	2.7						3											
Beaver Creek	24.4	38.8	Wayne	14.4																	2
Beaver Dam Creek	0.0	7.6	Edmonson	7.6						3											2
Becks Creek	0.0	2.8	Whitley	2.8						1											
Beech Creek	0.0	30.0	Spencer	30.0						2						3					2
Beech Fork	0.0	32.2	Nelson	32.2								2									
Beech Fork	0.0	39.1	Nelson	39.1													1				

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Floating Boating	White-water Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Beech Fork	0.0	110.3	Nelson	110.3					2											1	
Beech Fork	20.9	107.9	Nelson	87.0											3						
Beechy Creek	0.3	6.2	Calloway	5.9					1												
Benson Creek	0.0	4.5	Franklin	4.5																2	
Benson Creek	0.0	11.0	Franklin	11.0								2									
Benson Creek	0.0	28.4	Franklin	28.4		3															
Benson Creek	2.3	4.6	Franklin	2.3					2						3						
Big Bone Creek	0.0	7.4	Boone	7.4		1															
Big Bone Creek	0.0	11.5	Boone	11.5						2											
Big Brush Creek	0.0	19.9	Green	19.9																3	
Big Caney Creek	2.2	11.6	Elliott	9.4					1												
Big Caney Creek	2.2	15.0	Elliott	12.8			2													1	
Big Creek	0.0	4.3	Clay	4.3					3												
Big Creek	0.0	19.7	Pike	19.7					3												
Big Double Creek	0.0	1.9	Clay	1.9					1												
Big Gimlet Creek	2.8	6.6	Elliott	3.8																1	
Big Lick Branch	0.4	2.8	Pulaski	2.4					1												
Big Pitman Creek	0.0	42.2	Green	42.2					2						2					1	
Big Reedy Creek	0.0	19.0	Butler	19.0					3											2	
Big Sandy River	0.0	2.6	Boyd	2.6																3	

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Big Sandy River	0.0	8.6	Boyd	8.6																1	
Big Sandy River	0.0	26.8	Boyd	26.8	1												2				
Big Sinking Creek	0.0	8.0	Lee	8.0						3											
Big Sinking Creek	0.0	14.0	Lee	14.0		1			3												
Big Sinking Creek	0.0	19.0	Carter	19.0					1							2					
Big South Fork Cumberland R.	16.5	40.3	McCreary	23.8									2			1					
Big South Fork Cumberland R.	16.5	55.2	Pulaski	38.7				2													1
Big South Fork Cumberland R.	40.3	55.2	McCreary	14.9		1			1		2				1	2					
Big South Fork Cumberland R.	44.9	55.2	McCreary	10.3			2														
Big South Fork Rolling Fork	0.0	21.8	Marion	21.8					2								3				3
Blackford Creek	0.0	17.8	Daviess	17.8																	1
Blackford Creek	0.0	30.7	Daviess	30.7					3												
Blackwater Creek	7.7	15.7	Morgan	8.0					1												1
Blaine Creek	0.0	12.0	Lawrence	12.0	2				3			2									3
Blood River	8.3	15.7	Calloway	7.4		1			1												1
Bob (Butler) Branch	0.0	4.0	Crittenden	4.0					1												
Boone Creek	0.0	6.5	Clark	6.5			2				2		2			2					
Boone Creek	0.0	17.1	Clark	17.1		1			2												
Bracken Creek	0.0	14.3	Bracken	14.3																	3
Brashears Creek	0.0	25.5	Spencer	25.5					2							2					

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	GeoScenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	White-water Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Bridge Fork	0.0	6.0	McCreary	6.0						1											
Brier Creek	0.0	5.3	Whitley	5.3						1											
Briery Branch	0.0	4.7	Lewis	4.7						1											
Brownies Creek	0.0	16.3	Bell	16.3						1											
Brush Creek	0.0	8.5	Hickman	8.5	2																
Brush Creek	0.0	8.7	Rockcastle	8.7						3											
Brush Creek	0.0	11.3	Casey	11.3																	3
Brush Creek	0.0	14.2	Grant	14.2	2																
Brushy Creek	0.0	16.1	Pulaski	16.1						3											
Brushy Fork	0.0	5.2	Crittenden	5.2						1											
Brushy Fork	0.0	6.6	Hart	6.6			3			1											
Brushy Fork	0.7	3.8	Menifee	3.1						2											
Brushy Fork	0.7	5.0	Menifee	4.3																	1
Brushy Fork	1.8	4.6	Taylor	2.8	2																
Buck Creek	0.0	2.8	Whitley	2.8						1											
Buck Creek	10.5	31.8	Pulaski	21.3												2					
Buck Creek	10.5	47.7	Pulaski	37.2												1					
Buck Creek	10.5	52.4	Pulaski	41.9		1				1											
Buck Creek	10.5	62.4	Pulaski	51.9																	1
Buck Creek	12.3	25.0	Pulaski	12.7			3														

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Buckhom Creek	0.0	8.9	Breathitt	8.9		1															
Buckhom Creek	0.0	13.9	Breathitt	13.9																	2
Buckhom Creek	4.4	6.8	Breathitt	2.4												1					
Buckhom Creek	4.4	13.9	Breathitt	9.5					1												
Bucks Branch	0.0	2.5	Whitley	2.5					1												
Buffalo Creek	0.0	12.0	Carter	12.0					3												
Buffalo Creek	2.0	3.4	Whitley	1.4					1												
Bull Creek	0.0	3.9	Breckinridge	3.9					3												2
Bull Run Creek	0.0	4.0	Casey	4.0	3																
Bullskin Creek	0.0	13.9	Clay	13.9					3												
Bullskin Creek	0.0	16.8	Shelby	16.8																	3
Bullskin Creek	0.0	22.5	Shelby	22.5												3					
Bunches Creek	0.0	4.9	Whitley	4.9		2			1							1					
Butler Branch	0.3	2.6	Adair	2.3		1															
Cal Creek	0.0	2.0	McCreary	2.0					1												
Camp Creek	0.0	3.3	Christian	3.3					3												
Camp Creek	0.0	6.5	Crittenden	6.5					1												
Cane Creek	0.0	4.1	Laurel	4.1							1										
Cane Creek	0.0	12.0	Laurel	12.0		1	1		1							2					2
Cane Creek	0.0	8.5	Whitley	8.5					1												

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Senic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Starting	Ending					Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Cane Creek	0.0	10.2	Hickman	10.2	2																
Caney Branch	0.0	2.2	Clinton	2.2																	1
Caney Creek	0.0	18.1	Morgan	18.1					1												
Caney Creek	0.0	33.9	Ohio	33.9	3				3												
Caney Creek	0.0	0.9	Bell	0.9					1												
Caney Fork	0.0	11.0	Webster	11.0	3																
Caney Fork	0.0	11.5	Knott	11.5					3												
Canoe Creek	0.0	14.8	Henderson	14.8	1				3												
Carr Fork	0.0	8.7	Knott	8.7					3												
Cartwright Creek	0.0	26.0	Washington	26.0					2						3						
Casey Creek	0.0	5.1	Trigg	5.1					1												
Casey Creek	8.8	22.9	Adair	14.1	3																3
Catrons Creek	0.0	8.5	Harlan	8.5					3												
Cave Branch	0.0	3.0	Carter	3.0						2											
Cave Hollow Creek	0.0	1.5	Lee	1.5						3											
Cedar Creek	0.0	12.5	Owen	12.5		3															
Cedar Creek	0.0	15.2	Owen	15.2																	3
Chaplin River	0.0	88.6	Washington	88.6																	2
Chaplin River	22.7	40.1	Washington	17.4					2						3						
Cherokee Creek	0.0	5.0	Lawrence	5.0	2																3

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources	
	Starting	Ending					Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers		
Chimney Top Creek	0.0	5.0	Wolfe	5.0			1		1		2											
Christy Creek	0.0	5.0	Rowan	5.0									2									
Clanton Creek	0.0	14.9	Ballard	14.9	3																	
Clarks River	0.0	16.0	McCracken	16.0								2										
Clarks River	0.0	59.9	McCracken	59.9	1	1																2
Claylick Creek	0.0	16.9	Crittenden	16.9					3													
Clear Creek	0.0	12.1	Rockcastle	12.1					3													
Clear Creek	0.0	13.4	Hopkins	13.4					1													
Clear Creek	0.0	24.2	Hopkins	24.2		2																1
Clear Creek	0.0	16.0	Bell	16.0					3													
Clear Creek	0.0	26.4	Shelby	26.4					2													3
Clear Creek	0.0	19.3	Woodford	19.3												2						3
Clear Fork	0.0	22.9	Whitley	22.9																		3
Clemons Fork	0.0	4.7	Breathitt	4.7		1			1							1						2
Clifty Creek	0.0	3.4	Pulaski	3.4					3													
Clifty Creek	0.0	13.2	Todd	13.2		1																
Clifty Creek	0.0	20.4	Logan	20.4			3		3													2
Clifty Creek	11.0	13.2	Logan	2.2						1												
Clifty Creek	0.0	18.0	Grayson	18.0					3													
Clifty Creek and Osborne Br.	0.0	4.0	Menifee	4.0			2															

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Starting	Ending					Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Clover Bottom Creek	0.0	1.4	Jackson	1.4					1												
Clover Bottom Creek	0.0	10.3	Jackson	10.3																	3
Clover Creek	0.0	15.3	Breckinridge	15.3																	1
Clover Creek	0.0	17.1	Breckinridge	17.1					3												
Clover Fork	0.0	34.5	Harlan	34.5					3												
Cloverlick Creek	0.0	8.1	Harlan	8.1					3												
Coal Creek	0.0	8.4	Christian	8.4					3												3
Coeffield Creek	0.0	11.5	Crittenden	11.5	3																
Cogur Fork	0.0	4.2	McCreary	4.2					1												
Cold Cave Creek	1.0	3.4	Menifee	2.4																	1
Coldweather Creek	0.0	4.8	Pulaski	4.8					3												
Coles Fork	0.0	6.4	Breathitt	6.4		1			1							1					2
Colliers Creek	0.0	2.0	Letcher	2.0		3															
Collins Fork	0.0	17.8	Clay	17.8					2							3					
Cooper Creek	0.0	6.0	McCreary	6.0																	2
Copper Creek	0.0	11.8	Lincoln	11.8					3												
Copperas Creek	0.0	4.0	Menifee	4.0			2														
Craney Creek	3.5	10.4	Rowan	6.9					1												2
Cranks Creek	0.0	14.0	Harlan	14.0					3												
Crocus Creek	0.0	27.5	Cumberland	27.5					3							3					

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Crooked Creek	0.0	7.9	Rockcastle	7.9							2										
Crooked Creek	0.0	12.2	Rockcastle	12.2						3											
Crooked Creek	0.0	28.4	Crittenden	28.4					1												
Crows Creek	0.0	1.8	Cumberland	1.8																	3
Crummies Creek	0.0	6.5	Harlan	6.5					3												
Cumberland River	0.0	2.5	Livingston	2.5					1												
Cumberland River	0.0	30.6	Livingston	30.6	1	3						1		2						1	1
Cumberland River	30.6	30.6	Livingston	0.0															1		
Cumberland River	385.5	460.9	Monroe	75.4	2	3		1				1			2	3	1				1
Cumberland River	409.5	460.9	Cumberland	51.4					1												
Cumberland River	449.0	451.1	Clinton	2.1		1															
Cumberland River	460.9	460.9	Russell	0.0																1	
Cumberland River	546.5	694.2	Laurel	147.7																1	
Cumberland River	552.1	562.3	McCreary	10.2									1								
Cumberland River	552.1	694.2	Whitley	142.1											1						
Cumberland River	557.3	572.8	McCreary	15.5				2													
Cumberland River	557.3	574.8	McCreary	17.5		1															
Cumberland River	558.5	562.3	McCreary	3.8							2										
Cumberland River	558.5	574.8	McCreary	16.3					1								2				
Cumberland River	558.5	591.7	McCreary	33.2		1															

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Cumberland River	558.5	694.2	McCreary	135.7					1												
Cumberland River	558.6	562.6	McCreary	4.0						2											
Cumberland River	562.3	574.8	McCreary	12.5							3										
Cumberland River	562.3	578.5	McCreary	16.2									2								
Cumberland River	574.8	623.8	Whitley	49.0	2																
Cumberland River	589.5	591.7	Whitley	2.2				2													
Cumberland River	653.0	656.3	Bell	3.3						2											
Cutshin Creek	0.0	28.8	Leslie	28.8						3											
Cypress Creek	0.0	10.3	Union	10.3	3																
Cypress Creek	0.0	33.3	McLean	33.3		1															1
Cypress Creek	18.0	26.3	Muhlenberg	8.3		1															
Cypress Creek	18.0	33.3	McLean	15.3					1							3					
Cypress Creek	30.1	41.7	Hickman	11.6			2														
Cypress Slough	0.0	3.2	Henderson	3.2					1												
Davis Branch	0.0	4.3	Bell	4.3		1			1												
Deer Creek	0.0	11.1	Webster	11.1																	2
Deer Creek	0.0	18.8	Crittenden	18.8	3				3												
Devils Fork	0.0	8.3	Morgan	8.3					1												
Difficult Creek	0.0	8.6	Allen	8.6																	3
Difficulty Creek	0.0	3.5	McCreary	3.5			1		1												

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Dix River	0.0	3.0	Garrard	3.0					1	3						1					
Dix River	3.0	3.0	Garrard	0.0													2				
Dix River	34.6	50.3	Boyle	15.7								2			2						
Dix River	34.6	80.0	Boyle	45.4					2							3			2		
Dix River	74.4	80.0	Rockcastle	5.6		1															
Doe Run	0.0	6.5	Meade	6.5															3		
Doe Run	4.0	8.0	Meade	4.0	3		3														
Doe Run	5.2	8.0	Meade	2.8					1							3					
Dog Slaughter Creek	0.0	5.4	Whitley	5.4			1		1							1			1		
Donaldson Creek	8.5	14.2	Trigg	5.7					1												
Drakes Creek	0.0	23.5	Warren	23.5	2				1			3			2				1		
Drakes Creek	0.0	21.3	Hopkins	21.3															3		
Drennon Creek	0.0	21.7	Henry	21.7					2							3					
Dry Creek	0.0	14.5	Adair	14.5	3																
Dry Fork	0.0	5.8	Casey	5.8															3		
Dry Fork	0.0	9.0	Mercer	9.0	3																
Dulin Creek	0.0	7.0	Christian	7.0					3												
Eagle Creek	0.0	6.2	McCreary	6.2					1							1			2		
Eagle Creek	0.0	27.3	Carroll	27.3													2				
Eagle Creek	0.0	40.7	Carroll	40.7					1												

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Starting	Ending					Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Eagle Creek	0.0	41.0	Carroll	41.0																	
Eagle Creek	0.0	93.4	Carroll	93.4	2																2
Eagle Creek	10.2	14.7	Gallatin	4.5		1															
Eagle Creek	27.3	86.4	Grant	59.1														1			
Eagle Creek	29.0	79.0	Grant	50.0		3															
East Fork Clarks River	0.0	7.4	Calloway	7.4					1							3					1
East Fork Clear Creek	0.0	10.0	Woodford	10.0												2					
East Fork Indian Creek	0.0	5.0	Menifee	5.0					1	3											
East Fork Indian Creek	0.0	7.0	Menifee	7.0																	1
East Fork Little Barren River	0.0	15.0	Metcalfe	15.0								2	3								
East Fork Little Barren River	0.0	29.5	Metcalfe	29.5					1							3					3
East Fork Little Sandy River	0.0	13.6	Greenup	13.6					3												
East Fork Little Sandy River	0.0	45.9	Greenup	45.9	3																
East Fork Little Sandy River	22.9	26.1	Boyd	3.2					3												
East Hickman Creek	0.0	14.0	Jessamine	14.0																	1
Echo River	0.0	4.0	Edmonson	4.0					1	1											
Egners Branch	0.0	4.1	Marshall	4.1					1												
Elam Ditch	0.0	8.0	Henderson	8.0	1																
Elisha Creek	0.0	5.1	Leslie	5.1		1															
Elk Creek	0.0	12.9	Hopkins	12.9																	1

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	(Starting)	(Ending Segment)					Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Elk Fork	0.0	19.7	Morgan	19.7						3											
Elk Fork Red River	8.4	13.5	Todd	5.1						1											
Elk Fork Red River	8.4	37.2	Todd	28.8	2																2
Elk Lick Creek	0.0	3.5	Fayette	3.5		1															
Elk Pond Creek	0.0	3.8	Muhlenberg	3.8																	1
Elkhorn Creek	0.0	1.1	Pike	1.1						3											
Elkhorn Creek	0.0	3.5	Franklin	3.5		1															
Elkhorn Creek	0.0	17.8	Franklin	17.8	3	3			3	1	2		2		2	2	3				1
Emily Run	0.0	4.6	Henry	4.6			3														
Emily Run	0.0	9.0	Henry	9.0		3															
Ewing Creek	0.0	3.7	Harlan	3.7						3											
Fall Lick	2.5	6.6	Garrard	4.1		1															
Falling Timber Creek	0.0	14.7	Barren	14.7						1						2					2
Faubush Creek	0.0	2.5	Pulaski	2.5						3											
Fishing Creek	20.5	41.6	Pulaski	21.1						2							3				
Flat Creek	0.0	5.1	Hopkins	5.1																	1
Flat Creek	0.0	10.6	Hopkins	10.6						3											
Flat Lick	0.0	10.0	Pulaski	10.0						3											
Fleming Creek	0.0	20.1	Nicholas	20.1						2						3					
Floyds Fork	0.0	50.0	Bullitt	50.0		3															

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Floyds Fork	0.0	67.0	Bullitt	67.0					2											1	
Floyds Fork	0.4	50.7	Bullitt	50.3							2				3						
Floyds Fork	13.1	61.7	Bullitt	48.6											3						
Flynn Fork	0.0	14.0	Caldwell	14.0					2												
Forester Creek	0.0	4.9	Harlan	4.9					3												
Fork Lick	0.0	17.3	Grant	17.3		1															
Four Mile Creek	0.0	3.5	Clark	3.5								3									
Fox Creek	0.0	26.3	Fleming	26.3																3	
Frozen Creek	0.0	14.8	Breathitt	14.8					3												
Fugitt Creek	0.0	4.7	Harlan	4.7					3											2	
Gasper River	0.0	7.6	Warren	7.6			3														
Gasper River	0.0	32.3	Warren	32.3							1	2								1	
Gasper River	0.0	37.3	Warren	37.3						2											
Gasper River	0.0	38.0	Warren	38.0					1												
Gillmore Creek	0.0	6.0	Wolfe	6.0					3												
Gladie Creek	0.0	7.2	Menifee	7.2			2			2											
Gladie Creek	1.7	7.2	Menifee	5.5					1												
Glenns Fork	0.0	7.5	Adair	7.5																3	
Glover Creek	0.0	12.2	Barren	12.2																2	
Glover Creek	1.2	5.9	Barren	4.7					1												

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Goose Creek	0.0	6.5	Graves	6.5	3																
Goose Creek	0.0	42.6	Clay	42.6					1						3						
Goose Creek	3.2	5.6	Casey	2.4					3												
Grahampton Cave Stream	0.0	1.0	Meade	1.0					1												
Grassy Creek	0.0	27.5	Pendleton	27.5					2												
Grassy Creek	6.3	10.0	Morgan	3.7					1												
Greasy Creek	0.0	26.6	Leslie	26.6					1						2						
Greasy Creek	6.6	14.3	Russell	7.7																	3
Green River	0.0	108.6	Henderson	108.6													1				
Green River	0.0	109.0	Henderson	109.0																	1
Green River	0.0	148.0	Henderson	148.0					3												
Green River	0.0	181.7	Henderson	181.7							1		2	2							
Green River	0.0	305.6	Henderson	305.6				1													
Green River	55.1	71.3	McLean	16.2	1																
Green River	71.3	108.6	Ohio	37.3	3																
Green River	108.5	148.0	Muhlenberg	39.5											3						
Green River	108.6	183.5	Ohio	74.9													1				
Green River	141.3	143.4	Butler	2.1				1													
Green River	148.0	168.1	Butler	20.1											1						
Green River	148.0	168.4	Butler	20.4		3															

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	GeoScenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Green River	148.0	305.6	Butler	157.6					1												
Green River	181.7	279.3	Edmonson	97.6		1															
Green River	182.7	207.7	Edmonson	25.0																1	
Green River	182.7	225.9	Edmonson	43.2						2					1						
Green River	183.5	250.2	Edmonson	66.7												1					
Green River	185.2	225.9	Edmonson	40.7							3										
Green River	185.2	358.5	Edmonson	173.3								1			1						
Green River	197.2	222.6	Edmonson	25.4			2														
Green River	207.7	279.3	Edmonson	71.6																2	
Green River	208.1	222.6	Edmonson	14.5	3																
Green River	225.9	305.6	Hart	79.7											2						
Green River	250.2	342.2	Green	92.0												1					
Green River	339.9	344.2	Adair	4.3	1																
Green River	339.9	383.5	Adair	43.6				1	1						2					1	
Green River	344.2	383.5	Adair	39.3	2																
Guist Creek	0.0	27.6	Shelby	27.6																3	
Gulf Fork	0.0	1.5	McCreary	1.5		1															
Gunpowder Creek	0.0	21.0	Boone	21.0																1	
Gunpowder Creek	7.5	13.7	Boone	6.2		1															
Hanging Fork	0.0	4.3	Boyle	4.3									2								

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	GeoSonic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	(Starting)	(Ending Segment)					Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Hanging Fork	0.0	32.3	Boyle	32.3						2						3				3	
Harrods Creek	0.0	22.3	Jefferson	22.3		3							3								
Harrods Creek	0.0	31.7	Jefferson	31.7						3										1	
Hawk Creek	0.0	4.4	Laurel	4.4						3											
Hawk Creek	0.0	6.6	Laurel	6.6																3	
Hawkins River	0.0	8.0	Edmonson	8.0						1	1										
Hazel Creek	0.0	2.8	Ballard	2.8		1															
Hickman Creek	0.0	25.0	Jessamine	25.0																1	
Hickman Creek	2.8	8.4	Jessamine	5.6									2								
Highland Creek	0.0	17.7	Union	17.7																1	
Highland Creek	0.0	31.7	Union	31.7	1	1				3											
Hinkston Creek	0.0	15.0	Bourbon	15.0								2									
Hinkston Creek	0.0	34.8	Bourbon	34.8						2						3					
Hinkston Creek	0.0	70.8	Bourbon	70.8					2											3	
Hood Creek	5.2	6.9	Lawrence	1.7						3											
Horse Lick Creek	0.0	12.2	Jackson	12.2												1					
Horse Lick Creek	0.0	21.2	Jackson	21.2		1	3			1										3	
House Fork Creek	0.0	7.8	Pulaski	7.8						3											
Howards Creek	0.8	2.3	Clinton	1.5		1															
Humphreys Creek	0.0	20.5	Ballard	20.5	3	1															

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Starting	Ending					Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Hurricane Creek	0.0	7.2	Carlisle	7.2					1												
Hurricane Creek	0.0	17.7	Crittenden	17.7	3				3												
Illwill Creek	6.0	13.0	Clinton	7.0																2	
Indian Camp Creek	3.0	17.8	Butler	14.8					3												
Indian Creek	0.0	7.4	Menifee	7.4					3											1	
Indian Creek	0.0	9.4	Lewis	9.4					1												
Indian Creek	0.0	10.9	Knox	10.9					3												
Indian Creek	0.0	11.9	McCreary	11.9																3	
Indian Creek	6.7	10.8	McCreary	4.1					1												
Indian Creek	7.3	8.4	Clinton	1.1		1														2	
Indian Creek	0.0	4.4	Jackson	4.4					1						3						
Indian Creek	0.0	7.3	Jackson	7.3																3	
Irish Creek	0.0	5.8	Lawrence	5.8	2															3	
Ison Creek	0.0	4.4	Elliott	4.4						2											
Jellico Creek	0.0	25.1	Whitley	25.1	2				3											3	
Jennings Creek	0.0	6.6	Warren	6.6					3												
Jenny Creek	0.0	11.0	Johnson	11.0					3												
Jessamine Creek	0.0	4.4	Jessamine	4.4			2														
Jessamine Creek	0.0	5.5	Jessamine	5.5						3					2						
Jessamine Creek	0.0	13.3	Jessamine	13.3		1							3								

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	GeoSonic		Recreational Boating			Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development		Hydropower Sites	Navigable Rivers		
Jessamine Creek	0.0	18.7	Jessamine	18.7						2										1
Johns Creek	0.0	5.5	Floyd	5.5						3										
Johns Creek	18.9	63.7	Floyd	44.8	3					3										
Jonathan Fork	0.0	5.6	Casey	5.6																3
Jones Creek	0.0	2.5	Rockcastle	2.5						3										
Kennedy Creek	0.0	1.0	Wayne	1.0		3														
Kennedy Creek	0.0	3.1	Wayne	3.1					1						1					
Kentucky River	0.0	2.0	Carroll	2.0				2												
Kentucky River	0.0	51.9	Carroll	51.9	2												1			
Kentucky River	0.0	64.3	Carroll	64.3															2	
Kentucky River	0.0	254.8	Carroll	254.8					1	3		1		1	1					1
Kentucky River	5.5	8.5	Carroll	3.0		1														
Kentucky River	51.9	64.9	Franklin	13.0													1			
Kentucky River	51.9	95.4	Franklin	43.5	3															
Kentucky River	64.5	68.7	Franklin	4.2				1												
Kentucky River	64.9	118.2	Franklin	53.3													1			
Kentucky River	89.0	176.5	Anderson	87.5		1														
Kentucky River	113.2	135.3	Jessamine	22.1						1										
Kentucky River	117.0	117.0	Jessamine	0.0															3	
Kentucky River	117.0	139.9	Jessamine	22.9							2									

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	GeoScenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Kentucky River	118.2	133.3	Jessamine	15.1			2														
Kentucky River	165.5	169.0	Fayette	3.5		1															
Kentucky River	176.4	190.8	Clark	14.4													1				
Kentucky River	187.2	225.8	Clark	38.6	2																
Kentucky River	190.8	248.2	Clark	57.4													1				
Kentucky River	218.1	220.9	Estill	2.8			2														
Kinniconick Creek	0.0	26.3	Lewis	26.3																	
Kinniconick Creek	0.0	50.4	Lewis	50.4	1				1							1					2
Knight Branch	0.0	2.5	Calloway	2.5					1												
Knob Creek	0.0	8.8	Bullitt	8.8																	2
Knox Creek	0.0	7.6	Pike	7.6					3												
Lacy Creek	0.0	6.8	Wolfe	6.8					3												
Land Branch	0.0	2.5	Caldwell	2.5					1												
Laurel Creek	0.0	6.4	Clay	6.4					3												
Laurel Creek	0.0	9.2	McCreary	9.2					1							1					
Laurel Creek	0.0	13.5	Elliott	13.5			2		1												1
Laurel Fork	0.0	10.9	Leslie	10.9					3												
Laurel Fork	0.0	12.2	Jackson	12.2					1												3
Laurel Fork	0.0	15.5	Knott	15.5					3												
Laurel River	0.8	2.1	Laurel	1.3	3				2				1								

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Laurel River	2.1	2.1	Laurel	0.0														2			
Laurel River	21.7	51.0	Laurel	29.3																3	
Laurel River	41.2	46.6	Laurel	5.4		1															
Ledbetter Creek	1.8	3.3	Calloway	1.5					1												
Lee Branch	0.0	10.0	Woodford	10.0		1															
Leech Creek	0.0	6.4	Graves	6.4	1																
Left Fork Beaver Creek	0.0	28.0	Floyd	28.0					3												
Left Fork Caney Creek	0.0	2.0	Bell	2.0					1												
Left Fork Straight Creek	3.0	4.2	Bell	1.2					1												
Levisa Fork	0.0	58.2	Lawrence	58.2	2																
Levisa Fork	0.0	91.8	Lawrence	91.8														2			
Levisa Fork	0.0	126.1	Lawrence	126.1				1	3			2									
Levisa Fork	58.2	126.1	Johnson	67.9	3																
Levisa Fork	65.3	69.4	Johnson	4.1					3												
Levisa Fork	80.2	84.8	Floyd	4.6					3												
Levisa Fork	91.8	123.6	Floyd	31.8														2			
Lewis Creek	0.0	2.8	Letcher	2.8					1												
Lick Creek	0.0	2.5	McCreary	2.5					1												
Lick Creek	0.0	4.0	Pulaski	4.0																1	
Lick Creek	0.0	7.6	Hopkins	7.6																1	

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Lick Creek	0.0	8.4	Simpson	8.4					1												
Lick Run	0.0	7.2	Washington	7.2																	3
Licking River	0.0	4.6	Campbell	4.6				2													
Licking River	0.0	7.0	Campbell	7.0																	1
Licking River	0.0	71.4	Kenton	71.4													2				
Licking River	0.0	97.8	Campbell	97.8																	
Licking River	0.0	173.6	Campbell	173.6					2			2									1
Licking River	19.0	173.6	Campbell	154.6					1												
Licking River	51.7	87.4	Pendleton	35.7	3																
Licking River	51.7	159.0	Pendleton	107.3		1															
Licking River	71.4	173.6	Bracken	102.2																	1
Licking River	97.8	173.6	Nicholas	75.8													2				
Licking River	197.4	269.0	Rowan	71.6																	3
Licking River	232.8	294.1	Morgan	61.3					2	1											3
Lily Creek & Big Lily Creek	4.7	11.7	Russell	7.0																	3
Line Fork	4.8	15.0	Letcher	10.2						1											
Line Fork	14.9	19.3	Letcher	4.4		1															2
Little Barren River	0.0	16.0	Green	16.0													3				
Little Barren River	0.0	20.9	Green	20.9						1											2
Little Barren River	16.0	20.9	Green	4.9													3				

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Sonic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	(Starting/Ending Segment)						Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Little Beaverdam Creek	0.0	13.0	Edmonson	13.0						3											
Little Brush Creek	0.0	19.1	Green	19.1																	2
Little Caney Creek	0.0	9.0	Elliott	9.0						3											1
Little Caney Creek	0.2	8.3	Elliott	8.1			2														
Little Clear Creek	0.0	11.4	Bell	11.4						1											
Little Clifty Creek	0.0	5.3	Todd	5.3						3											2
Little Clifty Creek	8.0	12.7	Grayson	4.7						3											
Little Difficult Creek	0.0	3.9	Allen	3.9																	2
Little Fork Little Sandy River	0.0	34.2	Carter	34.2						3											
Little Goose Creek	0.0	14.0	Clay	14.0						2											
Little Kentucky River	0.0	27.2	Carroll	27.2		3				2						3					2
Little Laurel River	0.0	24.4	Laurel	24.4																	3
Little Mud Creek	0.0	7.2	Fulton	7.2	2																
Little Mud Creek	0.0	8.3	Floyd	8.3	3																
Little Pitman Creek	0.0	15.6	Green	15.6																	3
Little Richland Creek	0.0	10.4	Knox	10.4						3											
Little River	16.3	24.4	Trigg	8.1		2						2									
Little River	16.3	61.0	Trigg	44.7	3				2	1											1
Little Sandy River	0.0	51.0	Greenup	51.0		3			3	1											2
Little Sandy River	13.0	51.0	Carter	38.0												2					

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Sonic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Starting	Ending					Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Little Sandy River	36.6	39.2	Carter	2.6				2													
Little Sandy River	70.6	76.0	Elliott	5.4									2								
Little Sandy River	70.6	83.5	Elliott	12.9	3	3			3												2
Little Sandy River	70.8	76.0	Elliott	5.2							2										
Little Sexton Creek	0.0	7.7	Clay	7.7						3											
Little South Fork Cumberland R	4.1	31.5	McCreary	27.4							3				2						
Little South Fork Cumberland R	4.1	43.7	McCreary	39.6		1			1							1					1
Little South Fork Cumberland R	5.5	43.7	McCreary	38.2			3														
Little Whippoorwill Creek	0.0	4.2	Logan	4.2						3											
Little Yellow Creek	0.0	3.2	Bell	3.2						1											
Little Yellow Creek	1.6	3.2	Bell	1.6		1															
Livingston Creek	0.0	27.0	Crittenden	27.0						3											
Locust Creek	0.0	12.4	Bracken	12.4																	3
Logsdon River	0.0	4.0	Edmonson	4.0						1	1										
Long Branch	0.0	0.7	Whitley	0.7						1											
Long Branch	0.0	2.5	Bell	2.5						1											
Long Branch	0.0	7.0	Livingston	7.0	3																
Long Branch	0.6	6.1	Taylor	5.5	2																
Long Creek	7.5	12.1	Allen	4.6						1											
Long Creek	7.5	14.0	Allen	6.5																	1

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources	
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers				
Long Falls	0.0	5.5	McLean	5.5																	2	
Long Fork	0.0	2.0	Monroe	2.0																		2
Looney Creek	0.0	8.0	Harlan	8.0					3													2
Lost Creek	0.0	10.0	Union	10.0	3																	
Lower Hood Branch	0.0	1.8	Powell	1.8		1																
Lower Howards Creek	0.0	4.8	Clark	4.8			3						2									
Lower Troublesome Creek	0.0	3.9	Pulaski	3.9		3					1											
Lulbehrad Creek	0.0	22.0	Powell	22.0					3													
Lynn Camp Creek	0.0	12.9	Hart	12.9			3		1													2
Lynn Camp Creek	0.0	14.7	Whitley	14.7					3													
Marrowbone Creek	0.0	22.0	Cumberland	22.0																		3
Marsh Creek	0.0	7.1	McCreary	7.1							2		3									
Marsh Creek	0.0	8.6	McCreary	8.6			1									2						
Marsh Creek	0.0	18.7	McCreary	18.7		2																
Marsh Creek	0.0	24.6	McCreary	24.6					1													1
Martins Fork	0.0	15.5	Harlan	15.5					3													
Martins Fork	18.1	37.3	Harlan	19.2																		2
Martins Fork	27.4	37.2	Harlan	9.8		1			1						1							
Martins Fork & Left Fork	25.0	37.2	Harlan	12.2			2															
Mayfield Creek	0.0	38.6	Carlisle	38.6					1													

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
							Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	White-water Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Mayfield Creek	0.0	61.3	Carlisle	61.3	1	1															1
Mayfield Creek	10.7	35.0	Carlisle	24.3								2									
McFarland Creek	0.0	10.4	Hopkins	10.4					3												3
Meadow Creek	0.0	13.3	Whitley	13.3																	3
Meadow Creek	0.2	9.6	Wayne	9.4																	2
Meadow Creek	1.3	4.9	Wayne	3.6		1															
Meeting Creek	0.0	17.5	Grayson	17.5					3												
Meyers Fork	1.4	6.0	Menifee	4.6																	3
Middle Creek	0.0	18.0	Floyd	18.0					3												
Middle Creek	2.7	5.4	Boone	2.7		1															
Middle Fork Beargrass Creek	0.0	7.4	Jefferson	7.4																	
Middle Fork Drakes Creek	0.0	2.8	Warren	2.8		1															
Middle Fork Drakes Creek	0.0	18.8	Warren	18.8																	1
Middle Fork Grassy Creek	0.0	15.4	Pendleton	15.4					2												
Middle Fork Kentucky River	0.0	36.5	Lee	36.5																	1
Middle Fork Kentucky River	0.0	43.3	Lee	43.3	2				2			1			2	2					3
Middle Fork Kentucky River	76.6	84.1	Leslie	7.5																	3
Middle Fork Kentucky River	76.6	98.2	Leslie	21.6					1												3
Middle Fork Little Sandy River	0.0	7.3	Elliott	7.3					3												1
Middle Fork Red River	8.4	11.0	Powell	2.6					1												

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Sonic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	(Starting/Ending Segment)						Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Middle Fork Red River	11.3	13.7	Wolfe	2.4		1															
Middle Fork Rockcastle Creek	0.0	17.1	Martin	17.1					3												
Middle Fork Rockcastle River	0.0	7.8	Jackson	7.8		2			1							1					2
Middle Fork of Quicksand Creek	0.0	9.9	Knott	9.9					3												
Middle Pitman Creek	0.0	13.9	Green	13.9												2					1
Mill Creek	0.0	3.2	Bell	3.2					1												
Mill Creek	0.0	19.0	Hardin	19.0		2															
Mill Creek	0.0	23.6	Hardin	23.6	3																
Mill Creek	0.6	5.5	McCreary	4.9					1												
Minor Creek	0.0	6.8	Morgan	6.8					1												
Mississippi River	882.6	953.8	Fulton	71.2	2	1		2	1			2		2			1		1		
Mississippi River	936.7	937.7	Hickman	1.0						3											
Montgomery Creek	0.0	2.2	Caldwell	2.2		1															
Montgomery Creek	0.0	10.7	Christian	10.7	2				3												
Mud Camp Creek	0.0	8.4	Cumberland	8.4																	3
Mud Creek	0.0	17.1	Floyd	17.1	3																
Mud River	0.0	17.4	Butler	17.4								3									
Mud River	0.0	30.5	Butler	30.5		2											2				
Mud River	0.0	52.2	Butler	52.2																	2
Mud River	0.0	70.6	Butler	70.6	2				1												

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Muddy Creek	0.0	9.4	Ohio	9.4																	2
Muddy Creek	0.0	15.0	Ohio	15.0	3	1															
Muddy Creek	0.0	23.3	Madison	23.3																	2
Muddy Creek	0.0	23.6	Butler	23.6					3												
Muddy Fork Little River	3.0	9.0	Trigg	6.0		3															
Muddy Fork Little River	11.4	33.2	Trigg	21.8							2										
Ned Branch	0.0	1.9	Laurel	1.9		3			1						1						
Newcombe Creek	1.0	6.9	Elliott	5.9					3												1
Nolin River	0.0	8.1	Edmonson	8.1		1		3	2	2	1			2	2	1					2
Nolin River	64.3	93.3	Grayson	29.0																	1
Nolin River	64.3	98.8	Grayson	34.5												1					
Nolin River	64.3	121.5	Grayson	57.2	3			3	1						3						
North Fork Elkhorn Creek	0.0	51.0	Franklin	51.0																	2
North Fork Elkhorn Creek	0.0	68.8	Franklin	68.8		3															
North Fork Elkhorn Creek	0.0	74.4	Franklin	74.4				1	1						2						
North Fork Grassy Creek	0.0	12.9	Pendleton	12.9					2												
North Fork Kentucky River	254.8	367.8	Lee	113.0												1					
North Fork Kentucky River	254.8	392.4	Lee	137.6							3			2							
North Fork Kentucky River	275.3	281.9	Breathitt	6.6					1												
North Fork Kentucky River	275.3	288.2	Breathitt	12.9																	3

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	GeoScenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	(Starting/Ending Segment)						Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
North Fork Kentucky River	304.5	307.8	Breathitt	3.3				3													
North Fork Kentucky River	326.9	422.2	Breathitt	95.3					2												
North Fork Kentucky River	358.9	364.1	Perry	5.2				3													
North Fork Kentucky River	370.0	392.7	Perry	22.7																	3
North Fork Licking River	9.9	21.3	Morgan	11.4					1												2
North Fork Licking River	0.0	54.1	Bracken	54.1								3									2
North Fork Little River	67.8	74.3	Christian	6.5				3													
North Fork Ruin Creek	0.0	5.1	Elliott	5.1					1							2					
North Fork Triplett Creek	0.0	25.6	Rowan	25.6					1							1					2
North Rolling Fork	107.9	119.9	Marion	12.0					2							2					
Obion Creek	0.0	12.0	Fulton	12.0								2									
Obion Creek	0.0	42.9	Fulton	42.9																	1
Obion Creek	0.0	44.4	Fulton	44.4		1			1												
Obion Creek	0.0	60.7	Fulton	60.7	1																
Obion Creek	1.3	37.8	Fulton	36.5				2													
Ohio River	0.0	48.8	Ballard	48.8																	1
Ohio River	0.0	62.9	Ballard	62.9												2					
Ohio River	0.0	133.5	Ballard	133.5					1												
Ohio River	0.0	270.5	Ballard	270.5	1																
Ohio River	0.0	664.0	Ballard	664.0					1			2		1							1

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources	
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	White-water Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers				
Ohio River	43.4	48.8	McCracken	5.4				1														
Ohio River	48.8	108.0	Livingston	59.2															1			
Ohio River	108.0	197.4	Union	89.4															1			
Ohio River	119.4	126.4	Union	7.0													2					
Ohio River	133.5	664.0	Union	530.5						3												
Ohio River	139.5	172.7	Union	33.2		1																
Ohio River	163.5	197.4	Henderson	33.9		1																
Ohio River	174.6	180.3	Henderson	5.7				1														
Ohio River	197.4	351.5	Henderson	154.1															1			
Ohio River	223.0	229.0	Daviess	6.0				1														
Ohio River	345.0	405.1	Meade	60.1	1																	
Ohio River	351.5	435.6	Hardin	84.1															1			
Ohio River	369.8	379.3	Jefferson	9.5				1														
Ohio River	371.9	377.9	Jefferson	6.0		1																
Ohio River	375.5	375.5	Jefferson	0.0																2		
Ohio River	375.5	377.0	Jefferson	1.5						2												
Ohio River	382.3	385.5	Jefferson	3.2		1																
Ohio River	435.6	436.9	Carroll	1.3				2														
Ohio River	435.6	511.2	Carroll	75.6															1			
Ohio River	442.3	446.3	Carroll	4.0												2						

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Ohio River	498.5	501.5	Boone	3.0		1															
Ohio River	503.9	532.0	Kenton	28.1												2					
Ohio River	507.5	509.1	Kenton	1.6				2													
Ohio River	509.1	511.2	Kenton	2.1				2													
Ohio River	511.2	512.2	Campbell	1.0				2													
Ohio River	511.2	664.0	Campbell	152.8													1				
Ohio River	512.1	514.7	Campbell	2.6				2													
Ohio River	515.8	519.4	Campbell	3.6				3													
Ohio River	553.9	555.0	Bracken	1.1				1													
Ohio River	571.8	574.4	Mason	2.6				2													
Ohio River	626.3	628.2	Greenup	1.9												2					
Ohio River	628.2	664.0	Greenup	35.8	1																
Ohio River	640.4	640.4	Greenup	0.0														2			
Ohio River	652.8	656.7	Greenup	3.9				2													
Ohio River	657.5	660.6	Boyd	3.1				2													
Otter Creek	0.0	5.6	Madison	5.6										2							
Otter Creek	0.0	13.4	Madison	13.4																3	
Otter Creek	0.0	7.7	Meade	7.7									2								
Otter Creek	0.0	21.0	Meade	21.0																2	
Otter Creek	0.0	24.5	Meade	24.5	3					3											

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Otter Creek	13.0	27.5	Wayne	14.5					3											2	
Paint Creek	0.0	8.0	Johnson	8.0					3												
Paint Lick Creek	0.0	30.8	Garrard	30.8					2						2					2	
Panther Creek	0.0	1.5	Calloway	1.5		1															
Panther Creek	0.0	5.2	Calloway	5.2					1												
Panther Creek	0.0	16.4	Daviess	16.4							3										
Panther Creek	0.0	22.6	Daviess	22.6	3	3			3											1	
Parched Corn Creek	0.0	2.3	Wolfe	2.3					1												
Peter Creek	0.0	19.6	Barren	19.6																1	
Peter Creek	9.4	17.0	Barren	7.6					3												
Pigeon Creek	0.0	2.6	Edmonson	2.6		3															
Pine Creek	0.0	7.0	Laurel	7.0		1															
Piney Creek	0.0	25.5	Crittenden	25.5		1			2												
Pitman Creek	5.5	34.3	Pulaski	28.8					3											1	
Pleasant Run	0.0	7.2	Logan	7.2																2	
Plum Creek	0.0	10.5	Spencer	10.5									2							3	
Pointer Creek	0.0	7.0	Pulaski	7.0					3												
Pond Creek	0.0	14.3	Muhlenberg	14.3																2	
Pond Creek	0.0	14.6	Pike	14.6					3												
Pond Creek	0.0	17.2	Union	17.2	2															1	

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Pond Creek	1.7	3.3	Oldham	1.6		1															
Pond River	0.0	22.2	Hopkins	22.2					3												
Pond River	0.0	26.3	Hopkins	26.3								2			3						
Pond River	0.0	31.1	Hopkins	31.1														3			
Pond River	0.0	101.1	Hopkins	101.1	2	3			3												1
Pond River	31.1	64.0	Hopkins	32.9														3			
Pond River	79.7	101.1	Muhlenberg	21.4					3												
Poor Fork Cumberland River	694.2	719.0	Harlan	24.8		3															
Poor Fork Cumberland River	717.1	721.0	Harlan	3.9																	
Poor Fork Cumberland River	719.3	744.0	Harlan	24.7																	2
Poor Fork Cumberland River	722.0	744.0	Harlan	22.0					1												
Poor Fork Cumberland River	737.6	744.0	Letcher	6.4													1				
Poplar Creek	0.0	16.0	Whitley	16.0																	3
Porter Creek	1.4	5.0	Pulaski	3.6					3												
Powell Branch	0.0	1.2	Menifee	1.2					1												
Powell Creek	4.0	8.5	Graves	4.5					1												
Puckett Creek	0.0	10.4	Harlan	10.4					3												
Puncheon Creek	0.0	4.2	Pulaski	4.2					3												
Puncheon Creek	0.6	3.4	Allen	2.8																	2
Quicksand Creek	0.0	38.0	Breathitt	38.0					3												

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Raccoon Creek	0.0	5.0	Jackson	5.0		2															
Raven Creek	0.0	3.8	Harrison	3.8					3												
Raven Run	0.0	2.8	Fayette	2.8		1	3														
Red Bird River	0.0	21.1	Clay	21.1					1							3					
Red Lick Creek	0.0	18.1	Estill	18.1	3																3
Red River	0.0	33.2	Clark	33.2												1					
Red River	0.0	59.0	Clark	59.0		1															
Red River	0.0	59.5	Clark	59.5												3					
Red River	0.0	68.6	Clark	68.6											1						
Red River	0.0	94.2	Clark	94.2	3			3	1												1
Red River	49.0	59.4	Powell	10.4						2											
Red River	50.0	68.6	Powell	18.6			2														
Red River	59.5	68.6	Wolfe	9.1							1		1			2					
Red River	68.6	94.2	Clark	25.6												3					
Red River	50.2	74.9	Simpson	24.7									2								
Red River	50.2	80.5	Simpson	30.3	3				1							3					2
Renfro Creek	0.0	7.2	Rockcastle	7.2					3												
Rich Pond Stream	0.0	1.1	Warren	1.1					2												
Richland Creek	0.0	19.6	Knox	19.6					3												
Right Fork Beaver Creek	0.0	39.0	Knott	39.0					3												

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	(Starting/Ending Segment)						Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Right Fork Buffalo Creek	0.0	11.1	Owsley	11.1		2			1												
Right Fork Caney Creek	0.0	3.3	Bell	3.3					1												
Right Fork Little Sandy River	0.0	4.8	Elliott	4.8																	1
Roaring Paunch Creek	0.0	15.7	McCreary	15.7		1			3												3
Robinson Creek	18.5	28.1	Taylor	9.6	2																2
Rock Creek	0.0	2.0	Laurel	2.0		1			2						2						2
Rock Creek	0.0	21.9	McCreary	21.9		1			1												1
Rock Creek	3.9	21.9	McCreary	18.0			3								1						
Rock Creek	0.0	5.7	McCreary	5.7					1												
Rock Creek	10.7	14.2	Grayson	3.5					3												
Rock House Slough	0.0	1.7	Ohio	1.7					1												
Rock Lick Creek	0.0	9.2	Jackson	9.2					3												3
Rock Lick Creek	0.0	9.0	Pulaski	9.0					3												
Rockcastle Creek	0.0	16.7	Lawrence	16.7					3												
Rockcastle River	6.8	22.1	Laurel	15.3									1								
Rockcastle River	8.5	22.1	Laurel	13.6		1	2				2										
Rockcastle River	8.5	41.3	Laurel	32.8														1			
Rockcastle River	8.5	48.3	Laurel	39.8											1						
Rockcastle River	8.5	53.3	Laurel	44.8					1						1						
Rockhouse Creek	0.0	8.5	Morgan	8.5					3												

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Rockhouse Creek	0.0	24.3	Letcher	24.3					3												
Rocky Clifty Creek	21.3	26.0	Todd	4.7			2														
Rocky Creek	0.0	15.2	Muhlenberg	15.2	3				3												
Rolling Fork	0.0	20.2	Bullitt	20.2												1					
Rolling Fork	0.0	69.7	Bullitt	69.7		2															
Rolling Fork	0.0	93.7	Bullitt	93.7	3																
Rolling Fork	0.0	107.4	Bullitt	107.4								2									
Rolling Fork	0.0	107.9	Bullitt	107.9				2	1												
Rolling Fork	20.2	62.5	Nelson	42.3											1						
Rolling Fork	23.5	107.9	Hardin	84.4																1	
Rolling Fork	38.4	107.9	Larue	69.5											3						
Rolling Fork	93.7	107.9	Marion	14.2	3																
Ross Branch	0.0	1.6	Whitley	1.6					1												
Ross Creek	0.0	7.2	Lee	7.2					3												
Rough River	0.0	89.4	Ohio	89.4				2			1			3	1						
Rough River	56.5	89.4	Ohio	32.9		1														1	
Rough River	67.6	69.3	Ohio	1.7											3						
Rough River	72.4	89.4	Grayson	17.0					3												
Rough River	133.8	138.8	Hardin	5.0					3												
Rough River	133.8	153.9	Hardin	20.1	3			2												3	

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources	
	(Starting/Ending Segment)						Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers		
Round Stone Creek	5.5	14.4	Hart	8.9						3												
Roundstone Creek	0.0	28.4	Rockcastle	28.4						1												3
Ruin Creek	0.0	1.2	Elliott	1.2						1			3			2						
Running Slough	0.0	15.3	Fulton	15.3	2					1												
Russell Creek	0.0	68.1	Green	68.1						1						3						1
Russell Creek	40.0	43.3	Adair	3.3				3														
Russell Fork	0.0	16.0	Pike	16.0		1				1						2						1
Russell Fork	7.3	16.0	Pike	8.7							1											
Russell Fork	12.3	16.0	Pike	3.7									1									
Ryans Creek	0.0	5.4	Whitley	5.4																		3
Salt River	0.0	59.5	Bullitt	59.5					2	2		2					2					1
Salt River	0.5	18.3	Bullitt	17.8			2															
Salt River	11.0	59.5	Bullitt	48.5	3																	
Salt River	20.8	25.4	Bullitt	4.6			2															
Salt River	82.0	118.5	Spencer	36.5								2										
Salt River	82.0	138.0	Spencer	56.0												3						
Salt River	82.0	148.7	Spencer	66.7					2													2
Salt River	88.5	141.3	Anderson	52.8	3																	
Sanders Creek	0.0	5.2	Whitley	5.2						1												
Sandlick Creek	0.0	9.0	Christian	9.0						3												

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Starting	Ending					Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	White-water Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Sellers Ditch	0.0	1.2	Henderson	1.2						3											
Severn Creek	0.0	13.4	Owen	13.4																	2
Sexton Creek	0.0	22.5	Owsley	22.5						2						2					
Shawnee Creek	0.0	17.4	Ballard	17.4		2				1											
Shelby Creek	0.0	27.3	Pike	27.3						3											
Shillalah Creek	0.0	5.4	Bell	5.4		1				1											1
Shillalah Creek	0.2	5.4	Bell	5.2			2														
Short Creek	0.0	4.6	Pulaski	4.6																	3
Shut-in Branch	0.0	1.0	McCreary	1.0						1											
Silver Creek	0.0	10.9	Madison	10.9									2								
Silver Creek	0.0	36.2	Madison	36.2		3				2						3					1
Sims Fork	0.0	6.5	Bell	6.5						1											
Sinking Creek	0.0	20.4	Laurel	20.4						3											3
Sinking Creek	0.0	39.8	Breckinridge	39.8																	3
Sinking Creek	0.0	11.6	Wayne	11.6																	1
Sinking Creek	0.0	39.8	Wayne	39.8						3											
Sinking Creek	15.8	26.7	Breckinridge	10.9						3											
Sinking Fork Little River	3.0	35.5	Trigg	32.5	3																
Six Mile Creek	0.0	23.6	Shelby	23.6	3					2						3					1
Skegg Creek	0.0	11.0	Rockcastle	11.0						3											

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	(Starting)	(Ending)					Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Wildwater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Skeggs Creek	23.1	51.1	Barren	28.0						1										1	
Skinframe Creek	0.0	4.8	Lyon	4.8						3											
Slabcamp Creek	0.0	3.6	Rowan	3.6						1											
Slate Creek	0.0	59.3	Bath	59.3						1						2				2	
South Fork Beargrass Creek	0.0	11.9	Jefferson	11.9																	
South Fork Beargrass Creek	0.0	15.5	Jefferson	15.5						1											
South Fork Elkhorn Creek	0.0	48.0	Franklin	48.0																2	
South Fork Elkhorn Creek	0.0	52.7	Franklin	52.7	3					3						3					
South Fork Elkhorn Creek	4.9	17.4	Franklin	12.5		1															
South Fork Green River	0.0	12.2	Lincoln	12.2																3	
South Fork Harrods Creek	0.0	4.5	Oldham	4.5		1															
South Fork Kentucky River	0.0	45.1	Lee	45.1	3	2				1		1			3	1				3	
South Fork Licking River	0.0	2.3	Pendleton	2.3																2	
South Fork Licking River	0.0	16.6	Pendleton	16.6	3																
South Fork Licking River	0.0	59.8	Pendleton	59.8		3															
South Fork Licking River	0.0	65.1	Pendleton	65.1											3	2				2	
South Fork Licking River	16.6	59.8	Harrison	43.2	2																
South Fork Licking River	26.6	65.1	Harrison	38.5								2									
South Fork Licking River	59.8	65.1	Bourbon	5.3	3																
South Fork Little Barren River	0.0	7.0	Metcalfe	7.0									3								

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	GeoScenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Starting	Ending Segment					Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
South Fork Little Barren River	0.0	35.8	Metcalf	35.8	2					2						3				3	
South Fork Nolin River	0.0	15.8	Larue	15.8						2											
South Fork Panther Creek	0.0	25.3	Daviess	25.3	3															1	
South Fork Red River	0.0	8.0	Logan	8.0		3				1										1	
South Fork Ruin Creek	0.0	4.0	Elliott	4.0						1						2					
South Fork Station Camp Creek	0.0	12.3	Jackson	12.3				3													
South Fork Station Camp Creek	0.0	22.0	Jackson	22.0		2															
South Fork Station Camp Creek	0.0	26.2	Jackson	26.2						1						2				3	
Spring Creek	0.0	2.0	Grayson	2.0	3																
Spring Creek	0.0	6.2	Meade	6.2																2	
Spring Creek	1.9	11.2	Clinton	9.3						3										2	
Spring Creek	14.4	22.7	Todd	8.3	2																
Spruce Creek	0.0	2.6	McCreary	2.6		1															
Station Camp Creek	0.0	22.3	Estill	22.3						1						2				1	
Station Camp Creek	15.1	22.3	Estill	7.2		1															
Station Camp Creek	19.4	22.3	Estill	2.9				2													
Stevens Creek	0.0	21.0	Grant	21.0						2											
Stillwater Creek	0.0	10.3	Wolfe	10.3						3											
Stinking Creek	0.0	18.8	Knox	18.8						3											
Stoner Creek	0.0	5.9	Taylor	5.9	3																

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	GeoScenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	(Starting)	(Ending Segment)					Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Stoner Creek	0.0	30.7	Bourbon	30.7								2									
Stoner Creek	0.0	72.2	Bourbon	72.2		3			2												3
Stovall Creek	0.0	6.3	Ballard	6.3					1												
Straight Creek	0.0	11.3	Bell	11.3					1												
Straight Creek	0.0	24.3	Bell	24.3																	3
Straight Creek	17.4	18.1	Harlan	0.7					1												
Strodes Creek	0.0	26.5	Bourbon	26.5					2												
Sturgeon Creek	0.0	33.4	Lee	33.4					1							2					3
Sturgeon Creek	9.9	15.6	Lee	5.7			3														
Sturgeon Creek	13.7	15.6	Owsley	1.9		1															
Sugar Creek	0.0	2.7	Christian	2.7					3												
Sugar Creek	0.0	10.4	Livingston	10.4	2				1												
Sugar Run	0.0	3.2	Bell	3.2		1															
Sulphur Creek	0.0	19.7	Adair	19.7																	3
Sulphur Creek	2.4	4.4	Allen	2.0		1															
Sulphur Spring Creek	0.0	9.2	Simpson	9.2																	2
Sulphur Spring Creek	2.7	6.9	Simpson	4.2					3												
Swift Camp Creek	0.0	8.0	Wolfe	8.0					1												
Swift Camp Creek	0.0	10.0	Wolfe	10.0			2				1										
Swift Camp Creek	0.0	10.8	Wolfe	10.8												2					

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Tallow Creek	0.0	5.5	Taylor	5.5	2																
Tates Creek	0.0	6.5	Madison	6.5																	3
Tates Creek	0.0	8.2	Madison	8.2									3								
Taylor Fork	0.0	0.7	Madison	0.7									2								
Tennessee River	0.0	22.4	McCracken	22.4	1				1					2					1	2	
Tennessee River	4.3	22.4	McCracken	18.1							1										
Tennessee River	17.9	22.4	Marshall	4.5											2						
Tennessee River	22.4	22.4	Marshall	0.0														1			
Terrapin Creek	2.8	5.3	Graves	2.5		1															
Terrapin Creek	2.8	8.1	Graves	5.3											2						
Terrapin Creek	2.8	12.5	Graves	9.7					1												2
Tight Hollow Creek	0.0	1.7	Wolfe	1.7		1			2						1						
Town Creek	0.0	5.8	Breckinridge	5.8					3												2
Townsend Creek	0.0	15.5	Bourbon	15.5					2												
Trace Fork	0.0	9.8	Casey	9.8	3																
Tradewater River	0.0	20.5	Crittenden	20.5														2			
Tradewater River	0.0	63.9	Crittenden	63.9								2				3					
Tradewater River	0.0	92.2	Crittenden	92.2																	1
Tradewater River	0.0	131.2	Crittenden	131.2	3	1			3	3											
Tradewater River	7.2	15.1	Crittenden	7.9																	

Resource Evaluation By River Segment

Study River Name	Segment (River miles)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	(Starting)	(Ending)					Undeveloped	Urban			Geologic Features	Scenic Features	Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating		Future Development	Hydropower Sites	Navigable Rivers	
Tradewater River	19.5	84.9	Crittenden	65.4			3														
Tradewater River	20.5	95.0	Crittenden	74.5												3					
Tradewater River	84.9	92.2	Caldwell	7.3				3													
Tradewater River	92.6	113.0	Christian	20.4			3														
Trammel Fork	0.0	30.2	Warren	30.2					1							2				1	
Triplett Creek	0.0	22.6	Rowan	22.6																3	
Triplett Creek	5.8	15.0	Rowan	9.2					1												
Troublesome Creek	0.0	3.7	McCreary	3.7		2	1		1							2					
Troublesome Creek	0.0	49.5	Breathitt	49.5					3												
Troublesome Creek	14.2	16.2	Perry	2.0		1															
Trumans Creek	0.0	7.9	Carlisle	7.9	3																
Tug Fork	0.0	10.2	Lawrence	10.2						1											
Tug Fork	0.0	35.1	Lawrence	35.1								2									
Tug Fork	0.0	94.0	Lawrence	94.0				3	3												
Twelvemile Creek	0.0	19.6	Campbell	19.6																3	
Twin Creek	0.0	7.8	Harrison	7.8																3	
Tygarts Creek	0.0	75.2	Greenup	75.2											2						
Tygarts Creek	0.0	89.1	Greenup	89.1				3	1							2				3	
Tygarts Creek	49.0	65.3	Carter	16.3		1															
Tygarts Creek	56.3	71.9	Carter	15.6			3														

Resource Evaluation By River Segment

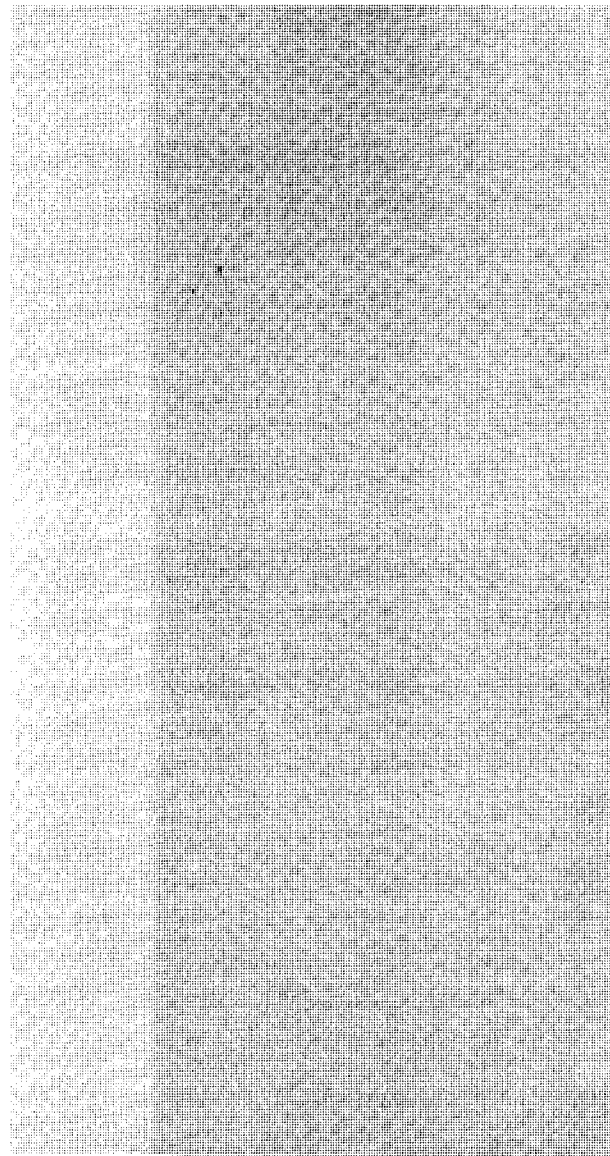
Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	GeoScenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Tygarts Creek	65.3	67.3	Carter	2.0							2										
U.T. of Harrods Creek-1st Trib	0.0	3.2	Jefferson	3.2					1												
U.T. of Muddy Fork(Mockingbrd)	0.0	1.7	Jefferson	1.7					1												
U.T. of White Oak Creek	0.0	3.8	Laurel	3.8					1												
Upper Hood Branch	0.0	1.6	Powell	1.6		1															
Upper Lick Fork	2.9	6.3	Rowan	3.4					1												3
Valley Creek	8.5	12.7	Hardin	4.2				3													
Walkers Creek	0.0	8.0	Lee	8.0					3												
Wallins Creek	0.0	6.2	Harlan	6.2					3												
War Fork Station Camp Creek	0.0	10.0	Jackson	10.0				2													
War Fork Station Camp Creek	0.0	13.7	Jackson	13.7		1			1						1						3
Watts Creek	0.0	12.4	Harlan	12.4					3												
Watts Creek	0.0	12.7	Whitley	12.7																	3
Weicher Creek	0.0	2.2	Jefferson	2.2					1												
Weirs Creek	0.0	6.1	Hopkins	6.1																	2
Welch Creek	0.0	19.1	Butler	19.1					3												
West Fork Canoe Creek	0.0	7.0	Henderson	7.0	1																
West Fork Clarks River	0.0	37.5	McCracken	37.5	1				1												
West Fork Drakes Creek	0.0	32.8	Warren	32.8					1												2
West Fork Pond River	0.0	27.0	Christian	27.0					3												1

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	GeoScenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
West Fork Red River	14.5	46.8	Christian	32.3						1										1	
Whippoorwill Creek	0.0	44.7	Logan	44.7	2		3			1					1					2	
White Oak Creek	0.0	1.4	Morgan	1.4						3											
White Oak Creek	0.0	4.0	Laurel	4.0						3											
White Oak Creek	0.0	10.6	Greenup	10.6						1											
White Oak Creek	6.1	16.5	Pulaski	10.4						3											
Williams Creek	0.0	9.1	Morgan	9.1						3											
Wilson Creek	0.0	7.2	Henderson	7.2	1																
Wilson Creek	0.0	17.0	Bullitt	17.0						1					2						
Wolf Creek	0.0	6.4	Whitley	6.4						1											
Wolf Creek	0.0	9.4	McCreary	9.4						3											
Wolf Creek	0.0	9.7	Meade	9.7																2	
Wolf Creek	0.0	20.5	Martin	20.5						3											
Wolf Creek	11.4	20.5	Pulaski	9.1						3										1	
Wolf Lick Creek	0.0	27.4	Logan	27.4						1										2	
Wood Creek	12.3	17.5	Laurel	5.2						3										3	
Woods Creek	0.0	5.1	Casey	5.1	3																
Yahoo Creek	0.0	1.0	McCreary	1.0							3										
Yellowbank Creek	0.0	11.0	Breckinridge	11.0																2	
Yellowbank Creek	0.0	11.3	Breckinridge	11.3						3											

Resource Evaluation By River Segment

Study River Name	Segment (River miles) (Starting/Ending Segment)		Downstream County	Segment Length	Agricultural Lands	Botanical Resources	Corridor Character		Cultural Resources	Fish Resources	Geo/Scenic		Recreational Boating				Water Quality	Water Resources			Wildlife Resources
	Undeveloped	Urban					Geologic Features	Scenic Features			Flatwater Boating	Whitewater Boating	Power Boating	Backcountry Boating	Future Development	Hydropower Sites		Navigable Rivers			
Yocum Creek	2.6	4.6	Morgan	2.0						1											
Youngs Creek	0.0	6.1	Whitley	6.1						1						1					
Youngs Creek	3.4	6.1	Whitley	2.7		1															



Appendix A - Kentucky Wild Rivers Program

Kentucky is preserving the unique scenic, fish and wildlife, botanical, geological, cultural and recreational values of its most pristine rivers through a program established by the Wild Rivers Act of 1972. The Division of Water, within the Natural Resources and Environmental Protection Cabinet, is responsible for administering the Wild Rivers Program.

Portions of nine rivers of exceptional quality and aesthetic character have been designated as Kentucky Wild Rivers. Each Wild River is actually a linear corridor encompassing all visible land on each side of the river up to a distance of 2,000 feet. The nine Wild River corridors comprise a total of 114 river miles and 26,382 acres.

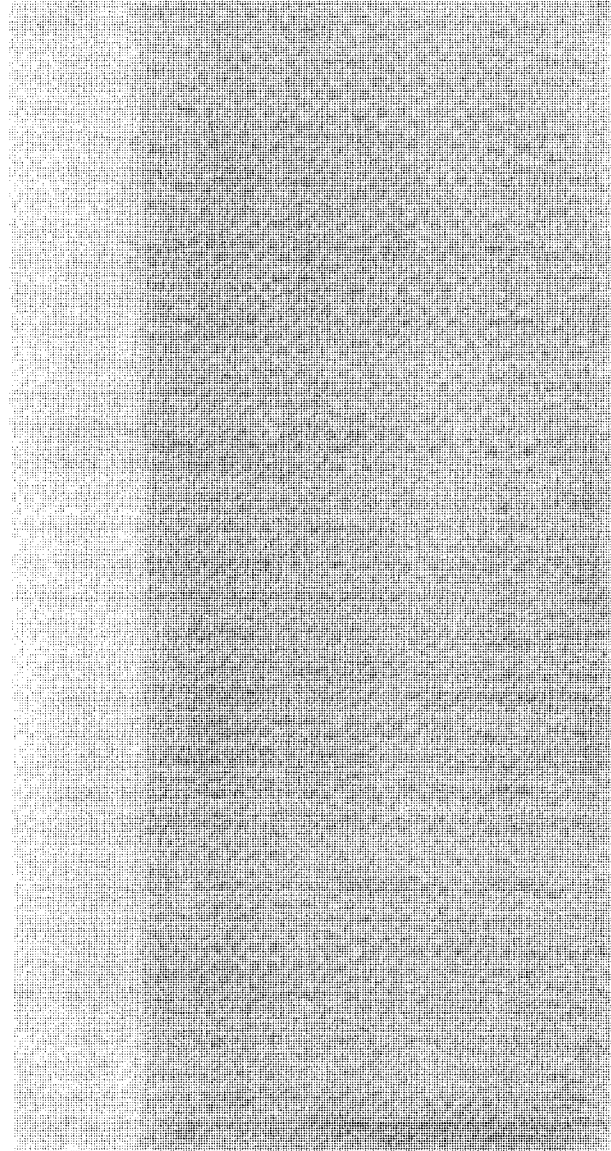
Cumberland River



Scott Hankla

Table 28. Designated Kentucky Wild Rivers

Stream and Date Designated	County	Length (Miles)	Endpoints (River Miles)	Corridor Acreage	Drainage Basin
Bad Branch 1986	Letcher	4.0	Entire basin	1,325	Cumberland River
Big South Fork 1972	McCreary	10.2	45.0 - 55.2	2,450	Cumberland River
Cumberland River 1972	McCreary/ Whitley	16.1	558.5 - 574.6	3,300	Cumberland River
Green River 1972	Edmonson/ Hart	36.0	181.7 - 207.7	6,500	Green River
Little South Fork 1974	McCreary/ Wayne	10.4	4.1 - 14.5	1,400	Cumberland River
Martin's Fork 1974	Harlan	3.9	27.4 - 31.3	680	Cumberland River
Red River 1972	Menifee/Wolfe	9.1	59.5 - 68.6	1,025	Kentucky River
Rock Creek 1974	McCreary	18.0	3.9 - 21.9	6,150	Cumberland River
Rockcastle River 1972	Laurel/Pulaski/ Rockcastle	15.9	8.5 - 24.4	3,550	Cumberland River

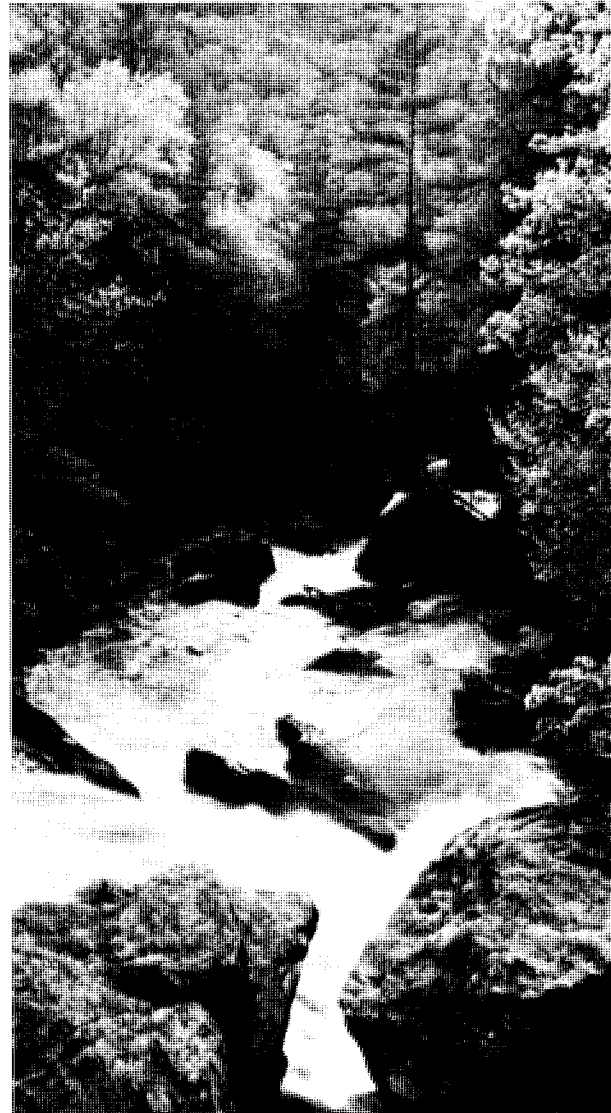


Appendix B - Outstanding Resource Waters

In addition to its Wild Rivers, the Commonwealth of Kentucky has designated 57 other waterbodies as Outstanding Water Resources (ORW) with habitats that range in size from 1st order watersheds to segments of large rivers such as the Ohio River. These waterbodies support federally threatened and endangered species or contain habitats that support diverse and unique aquatic flora and fauna. These waterbodies may receive industrial and/or municipal discharges that are permitted by the Kentucky Pollutant Discharge Elimination System (KPDES), but the permittee has to demonstrate to the satisfaction of the Department for Environmental Protection that the lowering of water quality or a habitat modification will not have a harmful effect on the protected species. Special conditions are provided in the KPDES permit to monitor the biological community and physicochemical properties of the waterbody to ascertain if more stringent or additional criteria are necessary for protection of the species or habitat. The Division of Water upgrades the special conditions of the KPDES permit when information is available to justify additional criteria.

Some of the outstanding resource waters are experiencing water quality problems through human-caused disturbances, such as coal mining operations, wastewater treatment facility dis-

Bad Branch



James Archambeault

charges, and agricultural and silvicultural practices.

Currently, the Division of Water is requiring biological and physicochemical monitoring for seven coal-related operations and one municipal wastewater treatment plant. All facilities that discharge to an outstanding resource water are evaluated on a case-by-case basis.

Table 29. Threatened Or Endangered Aquatic Species In Designated Outstanding Resource Waters

Scientific Name	Common Name
<u>Cyprogenia stegaria</u>	Fanshell
<u>Epioblasma obliquata obliquata</u>	Mussel white cat's paw
<u>Lampsilis abrupta</u>	Pink mucket pearly mussel
<u>Obovaria retusa</u>	Ring pink mussel
<u>Palaemonias ganteri</u>	Kentucky cave shrimp
<u>Pegias fabula</u>	Little wing pearly mussel
<u>Phoxinus cumberlandensis</u>	Cumberland blackside dace
<u>Plethobasus cooperianus</u>	Orange-footed pimple back pearly mussel
<u>Pleurobema plenum</u>	Rough pigtoe mussel
<u>Potamilus capax</u>	Fat pocketbook mussel
<u>Villosa trabalis</u>	Cumberland bean pearly mussel

**Table 30. Outstanding Resource Water Documentation
For Segments Supporting Threatened And Endangered Species**

Stream/Segment	Length (River Miles)	Species	Collection
Adams Branch	Basin	<u>Phoxinus cumberlandensis</u>	1991 ¹⁴
Archers Creek	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Barren River	15.0 to 0.0	<u>Pleurobema plenum</u>	1987 ⁷
		<u>Cyprogenia stegaria</u>	1989 ⁷
Beaver Creek	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵ , 1988 ⁹
Big Lick Branch	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Breeden's Creek	Basin	<u>Phoxinus cumberlandensis</u>	1990 ⁴
Brownies Creek	Basin to River Mile 8.7	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Buck Creek	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Buck Creek	53.3 to 10.5	<u>Villosa trabalis</u>	1981 ¹ , 1985 ⁸
Bucks Branch	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Buffalo Creek	Basin to KY-TENN stateline	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Bunches Creek	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Caney Creek	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Collier's Creek	Basin	<u>Phoxinus cumberlandensis</u>	1990 ¹⁴
Ohio River	Towhead Island East Channel 922.0 to 923.5	<u>Potamilus capax</u>	1988 ^{4c}
Davis Branch	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Dogslaughter Creek	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Eagle Creek	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Green River	168.0 to 148.0	<u>Pleurobema plenum</u> , <u>Epioblasma obliquata obliquata</u>	1989 ⁷

Stream/Segment	Length (River Miles)	Species	Collection
Green River	230.0 to 207.8	<u>Cyprogenia stegaria</u>	1989 ⁷
Horselick Creek	12.3 to mouth	<u>Villosa trabalis</u>	1984 ²
Kennedy Creek	1.0 to mouth	<u>Villosa trabalis</u>	1981 ¹
Laurel Creek	Basin (Whitley County)	<u>Phoxinus cumberlandensis</u>	1988 ⁹
Laurel Fork	Basin (Jackson County)	<u>Villosa trabalis</u>	1991 ⁷
Little Clear Creek	Basin to confluence with Fuson Branch	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Licking River	65.0 to 18.9	<u>Cyprogenia stegaria</u>	1989 ⁷
Little Yellow Creek	Fern Lake Dam to Yellow Creek	<u>Phoxinus cumberlandensis</u>	1981 ¹³
Long Branch	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵ , 1988 ⁹
Middle Fork			
Rockcastle River	61.1 to 53.3	<u>Villosa trabalis</u>	1979, 1983 ⁶ , 1985 ⁸
Mill Creek	Basin (Bell County)	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Mill Creek	Basin (McCreary County)	<u>Phoxinus cumberlandensis</u>	1988 ⁹
Ohio River	940.7 to 934.3	<u>Plethobasus cooperianus</u>	1982 ¹⁰
		<u>Lampsilis abrupta</u>	1984 ¹³
Ohio River	966.3 to 969.5	<u>Plethobasus cooperianus</u>	1982 ¹⁰
Poor Fork Cumberland River	Basin above River Mile 742.7	<u>Phoxinus cumberlandensis</u>	1985 ⁵

Stream/Segment	Length (River Miles)	Species	Collection
Rock Creek	Basin	<u>Phoxinus cumberlandensis</u>	1988 ⁹
Rockcastle River	53.3 to 24.4	<u>Villosa trabalis</u>	1985 ^{4b}
Ross Branch	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Roundstone Creek	14.0 to 4.7	<u>Villosa trabalis</u>	1985 ⁵
Sanders Creek	Basin	<u>Phoxinus cumberlandensis</u>	1988 ⁹
Shut-in Branch	Basin	<u>Phoxinus cumberlandensis</u>	1988 ⁹
Sims Fork	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Straight Creek	Basin from River Mile 11.3 to Source	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Tennessee River	22.4 - 12.5	<u>Lampsilis abrupta</u>	1985 ^{4a}
		<u>Plethobasus cooperianus</u>	1987 ^{4b}
		<u>Obovaria retusa</u>	1987 ^{4b}
Trammel Fork	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵
Underground River System in Green River basin	Mammoth Cave Park boundary Turnhole Spring Basin Echo River Basin Pike Spring Basin Mile 205.7 Spring Basin McCoy Spring Basin Suds Spring Basin	<u>Palaemonias ganteri</u> <u>Palaemonias ganteri</u> <u>Palaemonias ganteri</u> <u>Palaemonias ganteri</u> <u>Palaemonias ganteri</u> <u>Palaemonias ganteri</u> <u>Palaemonias ganteri</u>	1983 ³ 1983 ³ 1983 ³ 1983 ³ 1983 ³ 1983 ³ 1983 ³
Whippoorwill Creek	Basin	<u>Pegias fubula</u>	1988 ⁷
Youngs Creek	Basin	<u>Phoxinus cumberlandensis</u>	1985 ⁵

Footnotes

¹ Clarke, A.H. 1981. Determination of the Precise Geographical Areas Occupied by Four Endangered Species of Freshwater Mollusks. Final Report, Contract No. 14-16-003-81-019, U.S. Fish and Wildlife Service, Twin Cities, Minnesota.

² DiStefano, R.J. 1984. Freshwater Mussels (Bivalvia:Unionidae) of Horselick Creek, Rockcastle River, Kentucky. *The Nautilus* 98(3):110-113.

³ Leitheuser, A.T. and J.R. Holsinger. 1983. Ecological Analysis of the Kentucky Cave Shrimp, *Palaemonias ganteri* Hay, Mammoth Cave National Park (Phase IV) Final Report, Contract No. Cx-5000-1-1037. National Park Service, Atlanta, Georgia.

^{4a} Sickel, J.B. 1987. Survey of Mollusks in the Vicinity of the Pennwalt Terminal, Tennessee River 15.8 - 16.3. Murray State Univ., Murray, Kentucky.

^{4b} Sickel, J.B. 1985. Biological Assessment of the Freshwater Mussels in the Kentucky Dam Tailwaters of the Tennessee River. Final Report, KY Division of Water.

^{4c} Sickel, J.B. 1987. Preliminary Survey for Endangered Freshwater Mussels at Cumberland Island Towhead, Confluence of Cumberland and Ohio Rivers. Report submitted to Donan Engineering, Inc., Madisonville, KY.

⁵ O'Bara, Christopher. 1985. A status survey of the blackside dace, *Phoxinus cumberlandensis*. Final Report, U.S. Fish and Wildlife Service, Asheville, North Carolina.

⁶ Thompson, Yvonne. 1983. Master's Thesis. Eastern Kentucky University, Richmond, Kentucky.

⁷ Richard Hannan, Kentucky Nature Preserve Commission, letter to Division of Water.

⁸ Guenter Schuster, PhD., Professor of Biological Sciences, Eastern Kentucky University, letter to Division of Water.

⁹ Kentucky Department of Fish and Wildlife Resources, Annual Performance Report (in draft) Southeastern Fisheries District.

¹⁰ Williams, J.C. and Schuster, G.A. 1982. Freshwater Mussel Investigations of the Ohio River, Mile 317.0 to Mile 981.0. Final Report. U.S. Army Corps of Engineers, Louisville, Kentucky.

¹¹ Miller, A.C. and Payne, B.S. 1984. An Investigation of Freshwater Mussels in the Ohio River near Olmsted, Illinois, 26-29. September 1983. U.S. Army Corps of Engineers Waterways Experiment Station, Vicksburg, MS.

¹² Tennessee Valley Authority, 1984. Environmental Assessment on Atmospheric Fluidized Bed Combustion 160 MW ADD-ON Boiler, Shawnee Steam Plant.

¹³ Birge, W.J. and J.A. Black 1981. *In situ* Acute/Chronic Toxicological Monitoring of Industrial Effluents for NPDES Biomonitoring Program Using Fish and Amphibian Embryo Larval Stages as Test Organisms. Univ. of Kentucky, School of Biological Sciences and Graduate Center for Toxicology. Report submitted to U.S. EPA, Washington, D.C.

¹⁴ Consulting Firm Documentation of Federally Threatened and Endangered Species on File.

*Appendix C -
Drought-Vulnerable
Water Supply
Systems*

Table 31. Drought-Vulnerable Water Supply Systems

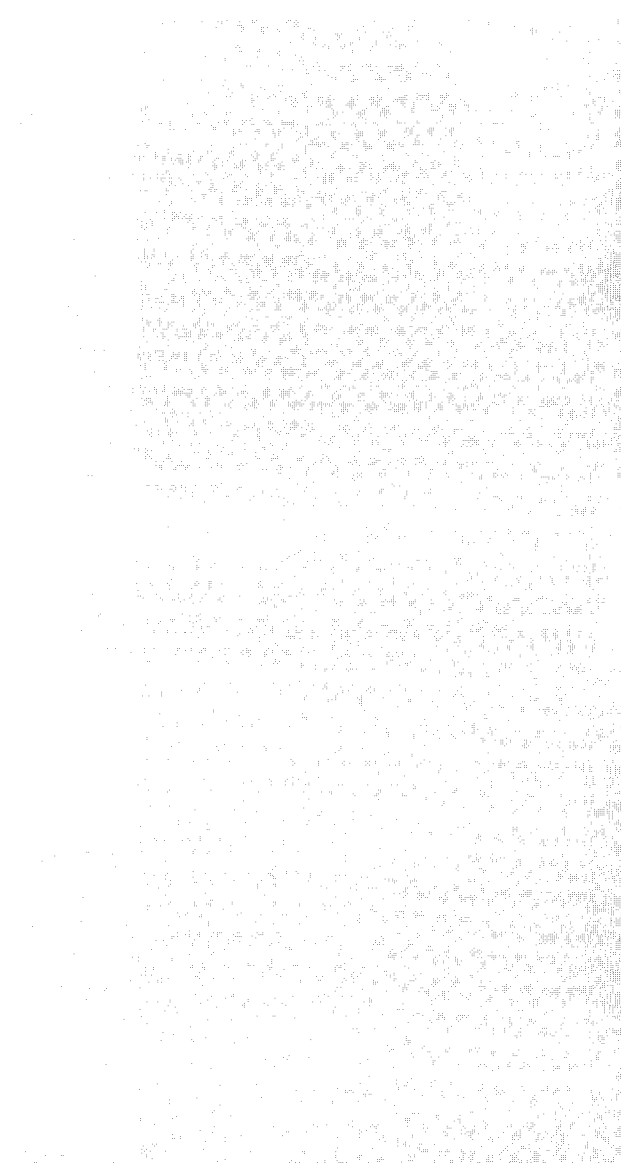
County	Priority Rating¹	System	Population (%)²
Bath	2	Owingsville Water Works	25
Bourbon	1	Paris Municipal Water Works	61
		N. Middletown Municipal WW	6
Breathitt	2	Jackson Municipal WW	17
Carter	2	Olive Hill Water Works	24
Cumberland	1	Burkesville Municipal WW	40
Fayette	1	KY-American Water Co.	99
Grayson	2	Caneyville Municipal WW	7
Hardin	1	Elizabethtown Municipal	23
		Hardin County WD #1	27
Harlan	2	Cumberland Water Works	9
		Green Hills Water District	1
		Harlan Municipal WW	18
		Lynch Water Plant	4
Jackson	2	McKee Municipal WW	11
Letcher	2	Jenkins Water Works	13
		Whitesburg Municipal WW	5
Magoffin	1	Salyersville Municipal WW	48
Montgomery	1	Mt. Sterling W & S	83
Morgan	2	West Liberty Water Co.	29

County	Priority Rating	System	Population (%)
Mulenberg	2	Greenville Municipal WW	22
Ohio	2	Fordsville Water System	7
Owen	2	Owenton Water Works	31
Owsley	1	Booneville W & S Dept.	59
Perry	1	Hazard Water Department	36
Scott	2	Stamping Ground WW	3
Todd	1	Todd County Water District	59
		Guthrie Water Works	21

Footnotes

¹ Priority rating for water supply planning grants as per 401 KAR 4:220, Water Supply Plan Requirements.

² Percent population of the county served by the system.



Appendix D - Hydroelectric Sites

Federal regulation of hydroelectric power began in 1920 when Congress passed the Federal Water Power Act and established the Federal Power Commission (FPC) to license and regulate non-Federal hydroelectric projects. In 1977 Congress created the Federal Energy Regulatory Commission (FERC) which assumed most of the FPC's responsibilities for regulating non-Federal hydroelectric power projects. FERC issues preliminary permits and project licenses and also grants exemptions from licensing for some projects.

Preliminary Permits

A preliminary permit allows a prospective developer to investigate a potential site to determine the economic, engineering and environmental feasibility of developing a hydropower project. The non-transferrable permit allows a study period of up to three years and preserves the developer's priority to file for a license or an exemption within the three-year period. A preliminary permit is not required to develop a project. Although a developer can file directly for a license or an exemption from licensing, the preliminary permit ensures the applicant's standing as first in line.

Licensing

The licensing procedure takes into account the environmental and cultural effects of the proposed project and whether the benefits of the plant outweigh the costs. Developers interested in constructing a new power plant or adding

capacity to an existing structure must file an application to FERC for review. FERC reviews project applications and can issue a minor license, a major license, or an exemption from licensing. Minor licenses are required for hydropower development of plants with power capabilities of less than 1500 kilowatts. Plants with power capabilities of more than 1500 kilowatts must apply for a major license. Major and minor licenses are effective for an initial period of up to 50 years. Projects must be relicensed to extend operation beyond the initial period.

FERC began an exemption process to encourage projects to add capacity at existing hydropower facilities. An existing structure must already impound the stream to permit approval under this system. An exemption minimizes administrative work involved in an application and requires fewer restrictions on production. An exempted project must be reviewed after twenty years for reissue.

Table 32. Projects In Kentucky Without FERC Licensing Status

RIVER NAME	HYDROPOWER FACILITY	OWNER	COUNTY
Barren River	Barren River - 12,000 KW	City of Glasgow	Barren
Barren River	Barren Lock and dam - 4,000KW	Eastem States Energy and Resources	Warren
Beech Fork, Rolling Fork	Campground - 15,000 KW	NHPS/Corps of Engineers	Nelson
Blaine Creek, Big Sandy River	Yatesville - 2,150 KW	Corps of Engineers	Lawrence
Brownies Creek, Cumberland River	Hagan 1 - 1,240,000 KW		Bell
Carr Fork, North Fork of Kentucky River	Carr Fork - 92 KW	Corps of Engineers	Knott
Cumberland River	Wolf Creek - 132 FW	JDJ Energy Company	Clinton
Dix River	Dix - 28,257 KW	Kentucky Utilities Company	Boyle
Doe Run, Ohio River	Doe Run - 35 FW	Doe Run Creek Hydropower Rehab.	Meade
Green River	Rochester - 179,700 KW	Corps of Engineers	Ohio
Green River	Green lock and dam 2 - 11,400 KW	Kentucky Hydropower Association	McLean
Green River	Green lock and dam 4 - 5,000 KW	Woodbury Association	Butler
Green River	Green lock and dam 6 - 5,000 KW	Brownsville Association	Edmonson
Green River	Green lock and dam - 3 - 11,000 KW	Independence Electric Company	Muhlenburg
Green River, Ohio River	Green lock and dam 1 - 5,000 KW	Spottsville Association	Henderson
Green River, Ohio River	Green lock and dam 5 - 4,900 KW	Eastern States Energy and Resources	Butler
Jellico Creek, Cumberland River	Jellico Creek - 90,000 KW	Corps of Engineers	Whitley
Johns Creek, Levisa Fork	Prestonburg - 2,000 KW	Prestonburg Association	Floyd
Kentucky River	Kentucky lock and dam - 2,500 KW	Energenics Systems, Inc.	Mercer
Kentucky River	Kentucky lock and dam 2 - 8,200 KW	Independence Electric Company	Owen
Kentucky River	Kentucky lock and dam 4 - 5,000 KW	Kentucky Lock and Dam 4 Hydropower Association	Franklin
Kentucky River	Kentucky lock and dam 5 - 6,000 KW	Kentucky Lock and Dam 5 Hydropower Association	Woodford
Kentucky River	Kentucky lock and dam 8 - 7,000 KW	Kentucky Lock and Dam 8 Hydropower Association	Jessamine
Kentucky River	Kentucky lock and dam 9 - 5,100 KW	Kentucky Lock and Dam 9 Hydropower Association	Madison
Kentucky River	Kentucky lock and dam 11 - 8,000 KW	Kentucky Lock and Dam 11 Hydropower Association	Madison
Kentucky River	Kentucky lock and dam 12 - 5,500 KW	Kentucky Lock and Dam 12 Hydropower Association	Estill
Kentucky River	Kentucky lock and dam 13 - 4,000 KW	Kentucky Lock and Dam 13 Hydropower Association	Lee
Kentucky River	Kentucky lock and dam 14 - 4,000 KW	Kentucky Lock and Dam 14 Hydropower Association	Lee
Kentucky River	Kentucky lock and dam 10 - 5,000 KW	Kentucky Lock and Dam 10 Hydropower Association	Clark
Kentucky River	Kentucky lock and dam 3 - 6,000 KW	Kentucky Lock and Dam 3 Hydropower Association	Owen
Leviso Fork, Big Sandy River	Fishtrap - 1,080 KW	Hydroengineering Association	Pike
Licking River	Boston Station - 22,500 KW	Corps of Engineers	Pendleton
Licking River	Royalton - 212,000 KW	Corps of Engineers	Magoffin
Licking River	Falmouth - 40,000 KW	Mitchell Energy Company, Inc.	Pendleton
Little Sandy River	Argillite - 7,550 KW	NHPS/Corps of Engineers	Greenup
Little Sandy River	Grayson - 1,000 FW	Carter County Association	Carter
Martins Fork of Cumberland River	Hagan 2 - 573,000 KW		
Middle Fork of the Kentucky River	Buckhorn - 2,800 KW	Buckhorn Association	Perry
North Fork of Kentucky River	Blackey - 416,000 KW	Corps of Engineers	Breathitt
North Fork of Kentucky River	Kingdom Come - 216,000 KW	Corps of Engineers	Breathitt
North Fork of Kentucky River	Roxana - 300,000 KW		Letcher
North Fork of Kentucky River	Whitesburg - 1,000,000 KW	Corps of Engineers	Letcher
Ohio River	Chilo - 350,000 KW		Campbell
Ohio River	Smithland lock and dam - 120,000 KW	City of Vanceburg	Jefferson

RIVER NAME	HYDROPOWER FACILITY	OWNER	COUNTY
Ohio River	Smithland - 120,000 KW	Big Rivers Electric Corporation	Livingston
Ohio River	Ohio lock and dam 53 - 25,000 KW	Cairo/Wickliffe Association	Ballard
Ohio River	Newburgh lock and dam - 48,000 KW	Newburgh Hydropower Partners	Henderson
Ohio River	Cannelton lock and dam - 73,500 KW	Synergics, Inc.	Hancock
Paint Creek, Levisa Fork	Paintsville Dam - 1,000 KW	City of Salyersville	Johnson
Red River	Red River - 535,000 KW		Estill
Rockcastle River	Parker Branch - 22,000 KW	Parkers Branch Lake Industrial Authority	Rockcastle
Rough River, Green River	Rough River - 8,100 KW	City of Glasgow	Grayson
Rough River, Green River	Falls of Rough - 110 KW	Dobbs Seed and Grain Company, Inc.	Ohio
Salt River	Rolling Fork - 4,900 KW	Corps of Engineers	Hardin
Salt River	Taylorsville - 4,000 FW	Independence Electric Company	Spencer
South Fork of Kentucky River	Boonesville - 500,000 KW		Owsley
South Fork of Kentucky River	Station Camp Creek - 384,000 KW		Owsley
Tygarts Creek, Ohio River	Kehoe - 3,030 KW	NHPS/Corps of Engineers	Greenup
Wood Creek, Rockcastle River	Wood Creek - 117 KW	Commonwealth of Kentucky	Laurel
Green River	Green River Dam - 11,000 KW	William Lewis and Associates Inc. (preliminary permit outstanding)	Taylor
Kentucky River	Kentucky lock and dam - 2,040 KW	Kentucky Utilities Co. (major license outstanding)	Mercer
Licking River	Cave Run - 10,000 KW	Independence Electric Co. (preliminary permit outstanding)	Bath
Nolin River	Nolin - 10,000 KW	William Lewis and Associates Inc. Preliminary permit outstanding	Edmonson
Ohio River	Elmer Smith - 850 KW	City of Owensboro (exempted from licensing)	Davies
Ohio River	Cannelton lock and dam - 80,010 KW	WV Hydropower Inc. (major license applied for)	Hancock
Ohio River	Meldahl lock and dam - 80,000 KW	City of Augusta (major license applied for)	Bracken
Ohio River	Meldahl lock and dam - 79,400 KW	Meldahl Hydropower Inc. (major license applied for)	Bracken
Ohio River	Meldahl lock and dam - 71,700 KW	City of Vanceburg (major license applied for)	Bracken
Ohio River	Ohio Falls - McAlpine lock and dam - 80,000 KW	Louisville Gas and Electric Co. (major license outstanding)	Jefferson
Ohio River	Ohio Falls - McAlpine lock and dam - 19,200 KW	Louisville Gas and Electric Co. (major license outstanding)	Jefferson
Ohio River	Ohio Falls - McAlpine lock and dam - 19,200 KW	Louisville Gas and Electric Co. (major license outstanding)	Jefferson
Ohio River	Smithland lock and dam - 80,000 KW	City of Marion (major license outstanding)	Livingston
Ohio River	Uniontown lock and dam - 65,000 KW	Uniontown Hydropower Association (preliminary permit outstanding)	Union
South Elkhorn Creek	Weisenberger Mill - 56 KW - under construction	Weisenberger Mills (exempted from licensing)	Scott

