Southeast Conservation Blueprint Summary

for Kentucky

Created 01/19/2024

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The Southeast Conservation Adaptation Strategy

SECAS



The Southeast Conservation Blueprint 2023

Southeast Conservation Blueprint Summary for Kentucky			
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About the Southeast Blueprint

The Southeast Conservation Blueprint is the primary product of the <u>Southeast Conservation Adaptation Strategy</u> (SECAS). It is a living, spatial plan to achieve the SECAS vision of a connected network of lands and waters across the Southeast and Caribbean. The Blueprint is regularly updated to incorporate new data, partner input, and information about on-the-ground conditions.

The Blueprint identifies priority areas based on a suite of natural and cultural resource indicators representing terrestrial, freshwater, and marine ecosystems. A connectivity analysis identifies corridors that link coastal and inland areas and span climate gradients.

For more information:

- Visit the <u>Blueprint webpage</u>
- Review the <u>Blueprint 2023 Development Process</u>
- View and download the Blueprint data and make maps on the Blueprint page of the SECAS Atlas

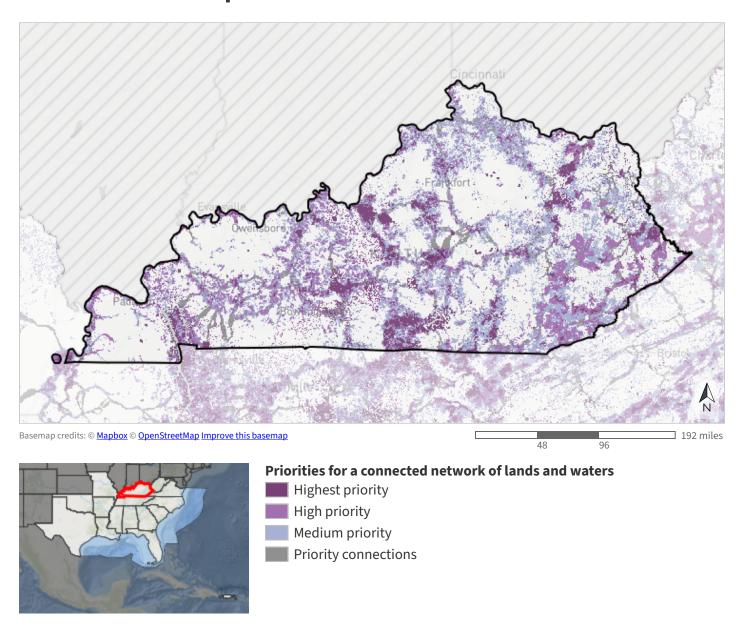
We're here to help!

- Do you have a question about the Blueprint?
- Would you like help using the Blueprint to support a proposal or inform a decision?
- Do you have a suggestion on how to improve the Blueprint? The Blueprint and its inputs are regularly revised based on input from people like you.
- Do you have feedback on how to improve the Simple Viewer interface?

If you need help or have questions, <u>contact Southeast Blueprint staff</u> by reaching out to a member of the user support team.

We're here to support you. We really mean it. It's what we do!

Southeast Blueprint Priorities



Priority Categories

For a connected network of lands and waters

In total, Blueprint priorities and priority connections cover roughly 50% of the Southeast Blueprint geography.

Highest priority

Areas where conservation action would make the biggest impact, based on a suite of natural and cultural resource indicators. This class covers roughly 10% of the Southeast Blueprint geography.

High priority

Areas where conservation action would make a big impact, based on a suite of natural and cultural resource indicators. This class covers roughly 15% of the Southeast Blueprint geography.

Medium priority

Areas where conservation action would make an above-average impact, based on a suite of natural and cultural resource indicators. This class covers roughly 20% of the Southeast Blueprint geography.

Priority connections

Connections between priority areas that cover the shortest distance possible while routing through as much Blueprint priority as possible. This class covers roughly 5% of the Southeast Blueprint geography.

Table 1: Extent of each Blueprint priority category within Kentucky.

Priority Category	Acres	Percent of Area
Highest priority	2,064,917	8.0%
High priority	3,352,028	13.0%
Medium priority	5,306,062	20.5%
Priority connections	993,011	3.8%
Lower priority	14,141,194	54.7%
Total area	25,857,213	100%

Hubs and Corridors

The Blueprint uses a least-cost path connectivity analysis to identify corridors that link hubs across the shortest distance possible, while also routing through as much Blueprint priority as possible.

Inland hubs are large patches (~5,000+ acres) of highest priority Blueprint areas and/or protected lands, connected by inland corridors.

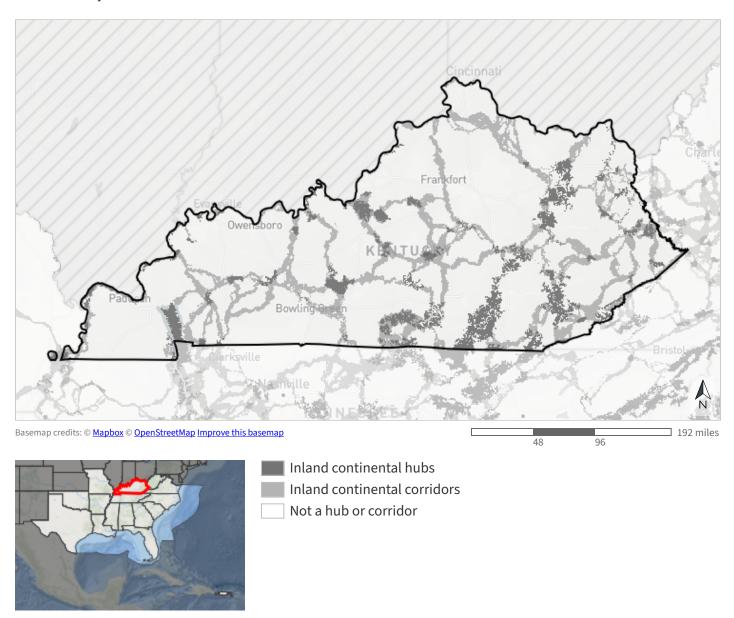


Table 2: Extent of hubs and corridors within Kentucky.

Туре	Acres	Percent of Area
Inland continental hubs	2,160,980	8.4%
Inland continental corridors	4,009,101	15.5%
Not a hub or corridor	19,687,132	76.1%
Total area	25,857,213	100%

Indicator Summary

Table 3: Terrestrial indicators.

Indicator	Present
East Coastal Plain open pine birds	-
Equitable access to potential parks	✓
Fire frequency	✓
Greenways & trails	√
Intact habitat cores	√
Interior Southeast grasslands	✓
Mississippi Alluvial Valley forest birds - protection	✓
Mississippi Alluvial Valley forest birds - reforestation	✓
Resilient terrestrial sites	✓
South Atlantic amphibian & reptile areas	-
South Atlantic forest birds	-
South Atlantic low-urban historic landscapes	-
<u>Urban park size</u>	✓
West Coastal Plain & Ouachitas forested wetland birds	-
West Coastal Plain & Ouachitas open pine birds	-
West Gulf Coast mottled duck nesting	-

Table 4: Freshwater indicators.

Indicator	Present
Atlantic migratory fish habitat	-
Gulf migratory fish connectivity	-
Imperiled aquatic species	√
Natural landcover in floodplains	✓
Network complexity	√
Permeable surface	√
West Virginia imperiled aquatic species	-

Terrestrial **Equit**

Equitable access to potential parks

This cultural resource indicator prioritizes places to create new parks that would fill gaps in equitable access to open space within socially vulnerable communities in urban areas. It identifies areas where residents currently lack access to parks within a 10-minute walk (accounting for walkable road networks and access barriers like highways and fences), then prioritizes based on park need using demographic and environmental metrics. Parks help improve public health, foster a conservation ethic by providing opportunities for people to connect with nature, and support critical ecosystem services. This indicator originates from the Trust for Public Land's ParkServe park priority areas and the Center for Disease Control's Social Vulnerability Index.

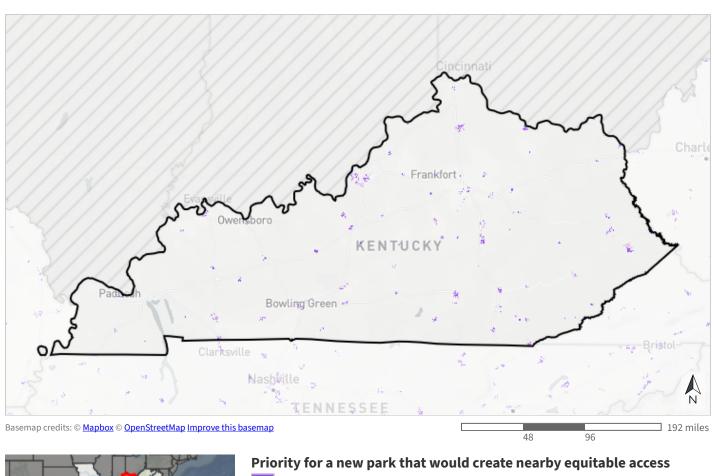




Table 5: Indicator values for equitable access to potential parks within Kentucky. A good condition threshold is not yet defined for this indicator.

	Indicator Values: Priority for a new park that would create nearby equitable access	Acres	Percent of Area
↑ High	Very high priority	56,093	0.2%
	High priority	72,406	0.3%
↓ Low	Moderate priority	59,347	0.2%
	Not identified as a priority (within urban areas)	25,669,367	99.3%
	Total area	25,857,213	100%



This indicator uses remote sensing to estimate the number of times an area has been burned from 2013 to 2021. Many Southeastern ecosystems rely on regular, low-intensity fires to maintain habitat, encourage native plant growth, and reduce wildfire risk. This indicator combines burned area layers from U.S. Geological Survey Landsat data and the inter-agency Monitoring Trends in Burn Severity program. Landsat-based fire predictions within the range of longleaf pine are also available through Southeast FireMap.

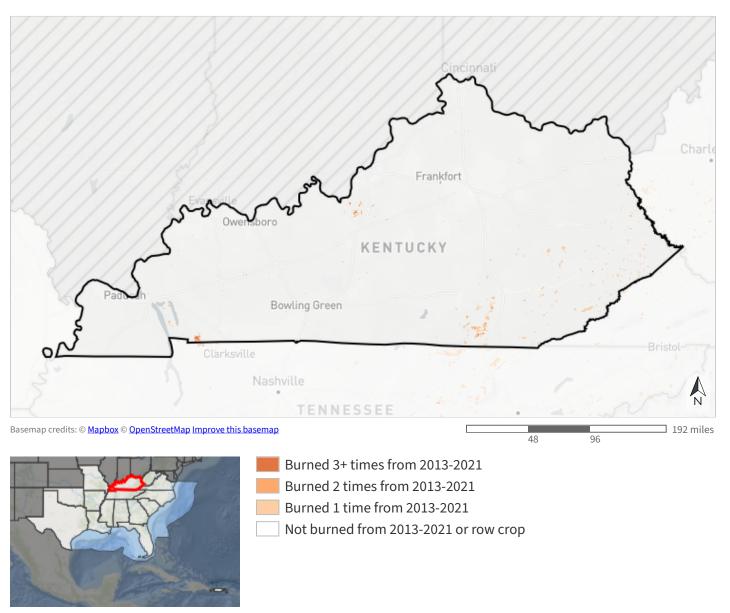


Table 6: Indicator values for fire frequency within Kentucky. Good condition thresholds reflect the range of indicator values that occur in healthy, functioning ecosystems.

	Indicator Values	Acres	Percent of Area	
↑ High	Burned 3+ times from 2013-2021	5,628	<0.1%	
	Burned 2 times from 2013-2021	20,204	<0.1%	↑ In good condition
↓ Low	Burned 1 time from 2013-2021	131,277	0.5%	↓ Not in good
	Not burned from 2013-2021 or row crop	25,700,104	99.4%	condition
	Total area	25,857,213	100%	

Terrestrial Greenways & trails

This cultural resource indicator measures both the natural condition and connected length of greenways and trails to characterize the quality of the recreational experience. Natural condition is based on the amount of impervious surface surrounding the path. Connected length captures how far a person can go without leaving a dedicated path, based on common distances for walking, running, and biking. This indicator originates from OpenStreetMap data and the National Land Cover Database.

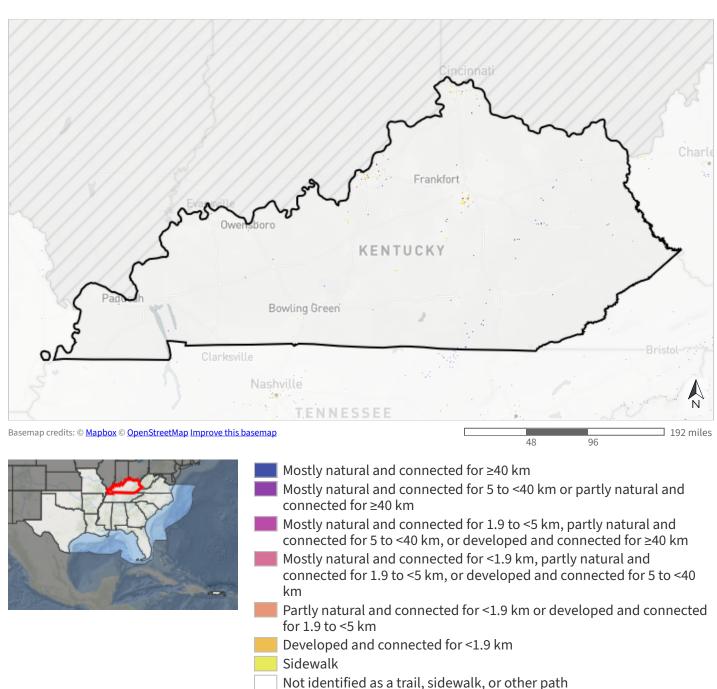


Table 7: Indicator values for greenways & trails within Kentucky. Good condition thresholds reflect the range of indicator values that occur in healthy, functioning ecosystems.

	Indicator Values	Acres	Percent of Area	
↑ High	Mostly natural and connected for ≥40 km	3,994	<0.1%	
	Mostly natural and connected for 5 to <40 km or partly natural and connected for ≥40 km	8,838	<0.1%	
	Mostly natural and connected for 1.9 to <5 km, partly natural and connected for 5 to <40 km, or developed and connected for ≥40 km	6,592	<0.1%	
	Mostly natural and connected for <1.9 km, partly natural and connected for 1.9 to <5 km, or developed and connected for 5 to <40 km	5,179	<0.1%	↑ In good condition
	Partly natural and connected for <1.9 km or developed and connected for 1.9 to <5 km	2,829	<0.1%	↓ Not in good condition
	Developed and connected for <1.9 km	3,454	<0.1%	
	Sidewalk	15,705	<0.1%	
↓ Low	Not identified as a trail, sidewalk, or other path	25,810,622	99.8%	
	Total area	25,857,213	100%	

Terrestrial Intact habitat cores

This indicator represents the size of large, unfragmented patches of natural habitat. It identifies minimally disturbed natural areas at least 100 acres in size and greater than 200 meters wide. Large areas of intact natural habitat are important for many wildlife species, including reptiles and amphibians, birds, and large mammals. This indicator originates from Esri's green infrastructure data.

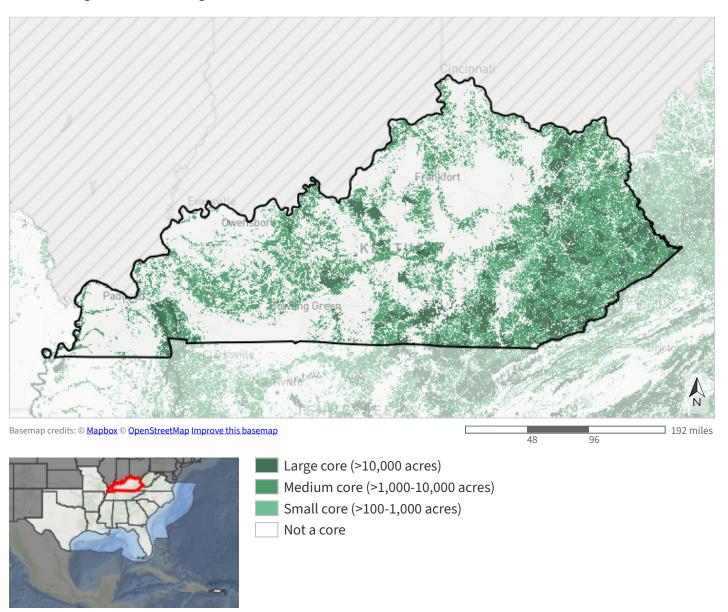


Table 8: Indicator values for intact habitat cores within Kentucky. Good condition thresholds reflect the range of indicator values that occur in healthy, functioning ecosystems.

	Indicator Values	Acres	Percent of Area	
↑ High	Large core (>10,000 acres)	2,649,474	10.2%	
	Medium core (>1,000-10,000 acres)	6,332,485	24.5%	
	Small core (>100-1,000 acres)	2,131,858	8.2%	↑ In good condition
↓ Low	Not a core	14,743,397	57.0%	↓ Not in good condition
	Total area	25,857,213	100%	

Terrestrial

Interior Southeast grasslands

This indicator represents grasslands in the interior southeastern United States, which support important plants, birds, and pollinators. It includes grasslands with and without trees that are historically maintained by geology (e.g., outcrops, glades, and barrens), fire (e.g., Piedmont prairies), and/or the regular violent flooding on the banks of high-energy rivers known as "riverscour" (e.g., riverscour prairies). Known grasslands receive the highest scores, followed by bumble bee habitat buffers around known sites, areas in potentially compatible management, and restoration opportunities within grassland geology. This indicator combines data from multiple sources, including the Southeastern Grasslands Institute, Central Hardwoods Joint Venture, Rangeland Analysis Platform, and more.

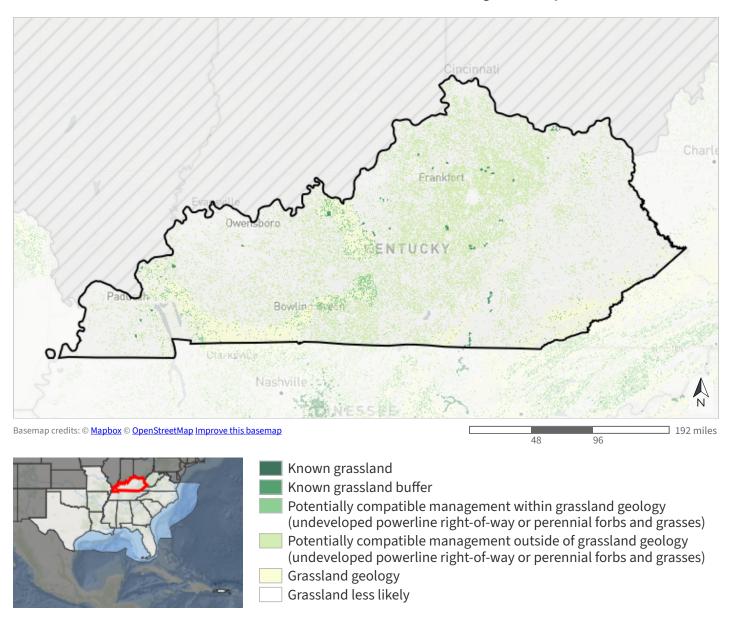


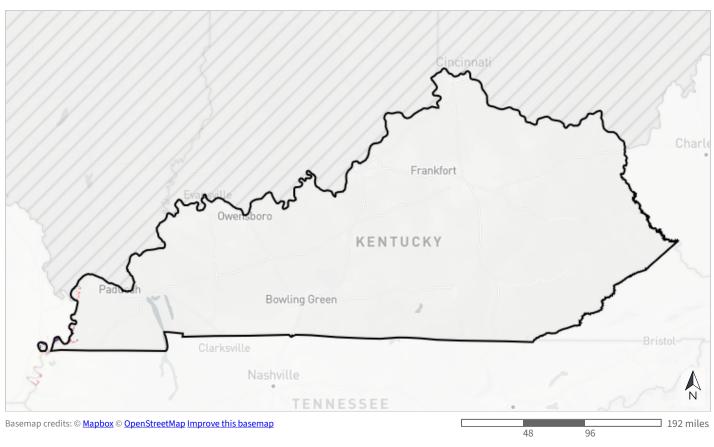
Table 9: Indicator values for Interior Southeast grasslands within Kentucky. A good condition threshold is not yet defined for this indicator.

	Indicator Values	Acres	Percent of Area
↑ High	Known grassland	4,111	<0.1%
	Known grassland buffer	66,050	0.3%
	Potentially compatible management within grassland geology (undeveloped powerline right-of-way or perennial forbs and grasses)	380,120	1.5%
	Potentially compatible management outside of grassland geology (undeveloped powerline right-of-way or perennial forbs and grasses)	5,242,620	20.3%
	Grassland geology	1,918,188	7.4%
↓ Low	Grassland less likely	18,110,058	70.0%
	Area not evaluated for this indicator	136,067	0.5%
	Total area	25,857,213	100%

Terrestrial Missis

Mississippi Alluvial Valley forest birds - protection

This indicator prioritizes areas for new land protection within the Mississippi Alluvial Valley (MAV) based on benefits to forest breeding birds that need large interior cores of bottomland hardwood habitat (Swainson's warbler, cerulean warbler, swallow-tailed kite). The model considers core size, the amount of existing protected land within a forest patch, proximity to reforestation priorities, and risk of conversion to agriculture based on flooding frequency. The highest scores go to drier, unprotected forest patches with cores at least 2,000 ha (~5,000 ac) in size that are adjacent to complementary reforestation priority areas also identified by the Lower Mississippi Valley Joint Venture (LMVJV). This indicator originates from the LMVJV MAV forest breeding bird protection priorities.



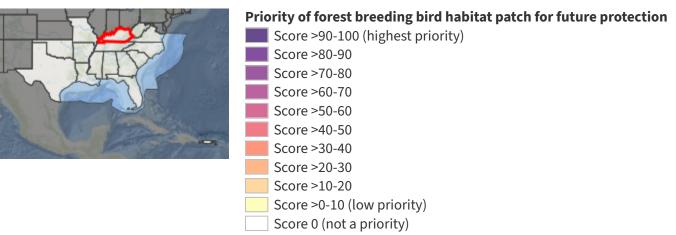


Table 10: Indicator values for Mississippi Alluvial Valley forest birds - protection within Kentucky. A good condition threshold is not yet defined for this indicator.

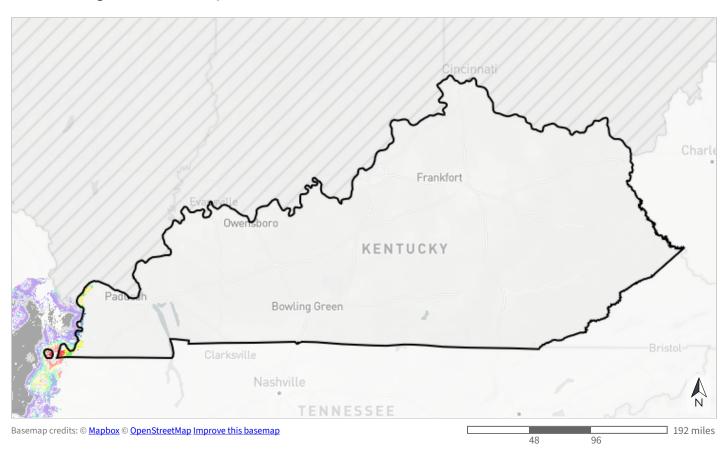
	Indicator Values: Priority of forest breeding bird habitat patch for future protection	Acres	Percent of Area
↑ High	Score >90-100 (highest priority)	4,325	<0.1%
	Score >80-90	0	0%
	Score >70-80	3,640	<0.1%
	Score >60-70	3,377	<0.1%
	Score >50-60	3,861	<0.1%
	Score >40-50	0	0%
	Score >30-40	4,122	<0.1%
	Score >20-30	0	0%
	Score >10-20	1,955	<0.1%
	Score >0-10 (low priority)	46	<0.1%
↓ Low	Score 0 (not a priority)	128,989	0.5%
	Area not evaluated for this indicator	25,706,900	99.4%
	Total area	25,857,213	100%

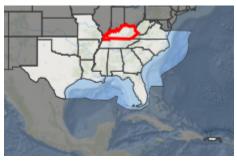


Terrestrial

Mississippi Alluvial Valley forest birds - reforestation

This indicator prioritizes areas for reforestation within the Mississippi Alluvial Valley (MAV) based on benefits to three species of forest breeding birds that need large interior cores of bottomland hardwood habitat (Swainson's warbler, cerulean warbler, swallow-tailed kite). The model considers the core size, number of cores, and percent of local forest cover that would result from reforestation, as well as risk of conversion to agriculture based on flooding frequency. The highest scores go to drier areas where reforestation would create new forest patches containing interior cores at least 2,000 ha (~5,000 ac) in size. It originates from the Lower Mississippi Valley Joint Venture MAV forest breeding bird reforestation priorities.





Likelihood that reforestation will contribute to forest breeding bird habitat needs

Most likely (≥90th percentile)

Most likely (80th to <90th percentile)

More likely (70th to <80th percentile)</p>

Less likely (60th to <70th percentile)

Least likely (50th to <60th percentile)

Least likely (Sour to Sour percertile)

Least likely (40th to <50th percentile)

Least likely (30th to <40th percentile)

Least likely (20th to <30th percentile)

Least likely (10th to <20th percentile)

Least likely (<10th percentile)

Not a priority for reforestation

Table 11: Indicator values for Mississippi Alluvial Valley forest birds - reforestation within Kentucky. A good condition threshold is not yet defined for this indicator.

	Indicator Values: Likelihood that reforestation will contribute to forest breeding bird habitat needs	Acres	Percent of Area
↑ High	Most likely (≥90th percentile)	15,272	<0.1%
	Most likely (80th to <90th percentile)	25,760	<0.1%
	More likely (70th to <80th percentile)	12,031	<0.1%
	Less likely (60th to <70th percentile)	3,885	<0.1%
	Least likely (50th to <60th percentile)	9,778	<0.1%
	Least likely (40th to <50th percentile)	1,754	<0.1%
	Least likely (30th to <40th percentile)	125	<0.1%
	Least likely (20th to <30th percentile)	0	0%
	Least likely (10th to <20th percentile)	0	0%
	Least likely (<10th percentile)	0	0%
↓ Low	Not a priority for reforestation	81,561	0.3%
	Area not evaluated for this indicator	25,707,049	99.4%
	Total area	25,857,213	100%

Terrestrial Posilio

Resilient terrestrial sites

This indicator depicts an area's capacity to maintain species diversity and ecosystem function in the face of climate change. It measures two factors that influence resilience. The first, landscape diversity, reflects the number of microhabitats and climatic gradients created by topography, elevation, and hydrology. The second, local connectedness, reflects the degree of habitat fragmentation and strength of barriers to species movement. Highly resilient sites contain many different habitat niches that support biodiversity, and allow species to move freely through the landscape to find suitable microclimates as the climate changes. This indicator originates from The Nature Conservancy's Resilient Land data.

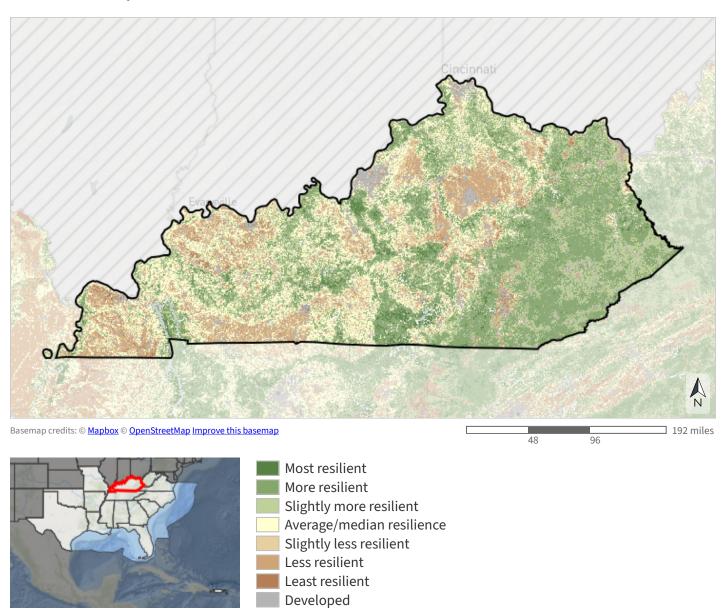


Table 12: Indicator values for resilient terrestrial sites within Kentucky. A good condition threshold is not yet defined for this indicator.

	Indicator Values	Acres	Percent of Area
↑ High	Most resilient	552,793	2.1%
	More resilient	7,088,139	27.4%
	Slightly more resilient	4,951,997	19.2%
	Average/median resilience	5,025,118	19.4%
	Slightly less resilient	2,545,660	9.8%
	Less resilient	2,273,710	8.8%
	Least resilient	236,873	0.9%
↓ Low	Developed	2,754,581	10.7%
	Area not evaluated for this indicator	428,344	1.7%
	Total area	25,857,213	100%

Terrestrial Urban park size

This cultural resource indicator measures the size of parks larger than 5 acres in the urban environment. Protected natural areas in urban environments provide urban residents a nearby place to connect with nature, and offer refugia for some species. This indicator complements the equitable access to potential parks indicator by capturing the value of existing parks. It originates from the Protected Areas Database of the United States, Census urban areas, and the National Land Cover Database.

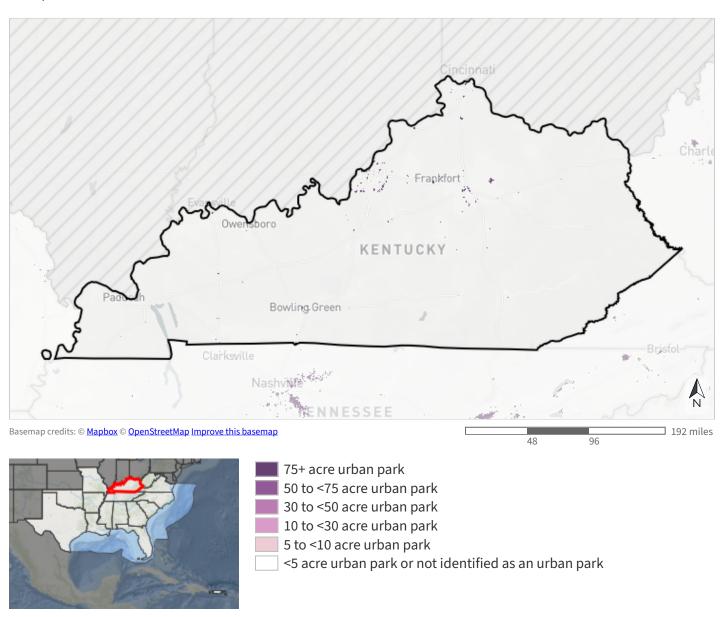
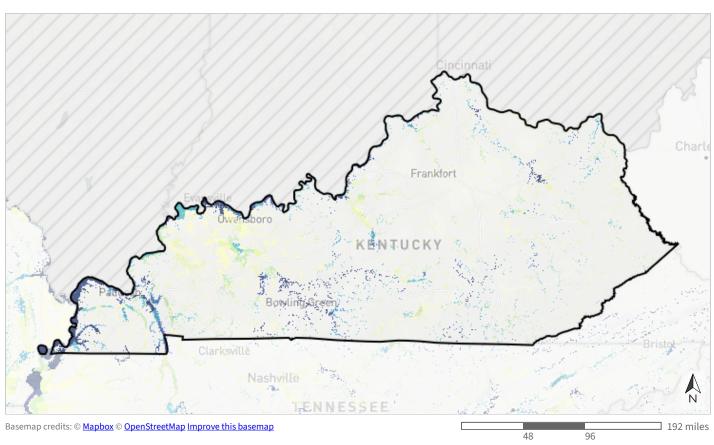


Table 13: Indicator values for urban park size within Kentucky. A good condition threshold is not yet defined for this indicator.

	Indicator Values	Acres	Percent of Area
↑ High	75+ acre urban park	34,276	0.1%
	50 to <75 acre urban park	2,480	<0.1%
	30 to <50 acre urban park	3,784	<0.1%
	10 to <30 acre urban park	4,918	<0.1%
	5 to <10 acre urban park	1,185	<0.1%
↓ Low	<5 acre urban park or not identified as an urban park	25,810,570	99.8%
	Total area	25,857,213	100%



This indicator measures the number of aquatic animal Species of Greatest Conservation Need (SGCN) observed within each 12-digit HUC subwatershed, including fish, mussels, snails, crayfish, and amphibians. SGCN are identified in State Wildlife Action Plans as most in need of conservation action. This indicator captures patterns of rare and endemic aquatic species diversity. It originates from state Natural Heritage Program data collected by the Southeast Aquatic Resources Partnership and applies to the Environmental Protection Agency's estimated floodplain, which spatially defines areas estimated to be inundated by a 100-year flood (also known as the 1% annual chance flood).



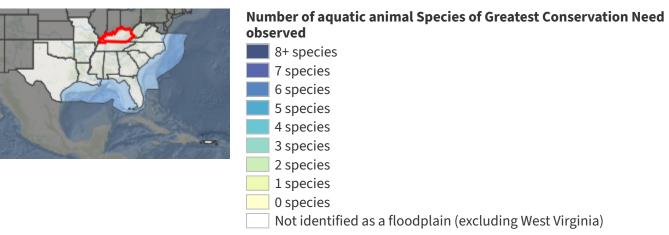


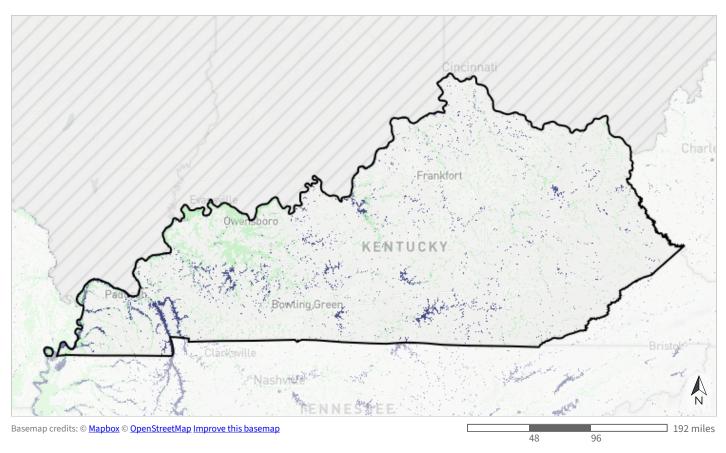
Table 14: Indicator values for imperiled aquatic species within Kentucky. A good condition threshold is not yet defined for this indicator.

	Indicator Values: Number of aquatic animal Species of Greatest Conservation Need observed	Acres	Percent of Area
↑ High	8+ species	381,768	1.5%
	7 species	103,544	0.4%
	6 species	115,205	0.4%
	5 species	128,991	0.5%
	4 species	214,173	0.8%
	3 species	135,978	0.5%
	2 species	364,232	1.4%
	1 species	557,130	2.2%
	0 species	1,052,905	4.1%
↓ Low	Not identified as a floodplain (excluding West Virginia)	22,803,286	88.2%
	Area not evaluated for this indicator	0.22	<0.1%
	Total area	25,857,213	100%

Freshwater Natura

Natural landcover in floodplains

This indicator measures the amount of natural landcover in the estimated floodplain of rivers and streams within each catchment. It assesses the stream channel and its surrounding riparian buffer, measuring the percent of unaltered habitat like forests, wetlands, or open water (rather than agriculture or development). Intact vegetated buffers within the floodplain of rivers and streams provide aquatic habitat, improve water quality, reduce erosion and flooding, recharge groundwater, and more. This indicator originates from the National Land Cover Database and applies to the Environmental Protection Agency's estimated floodplain, which spatially defines areas estimated to be inundated by a 100-year flood (also known as the 1% annual chance flood).



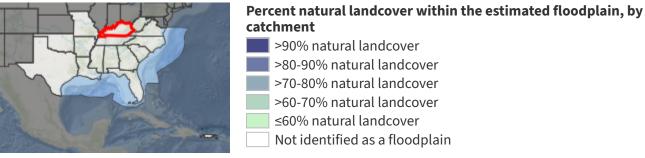


Table 15: Indicator values for natural landcover in floodplains within Kentucky. Good condition thresholds reflect the range of indicator values that occur in healthy, functioning ecosystems.

	Indicator Values: Percent natural landcover within the estimated floodplain, by catchment	Acres	Percent of Area	
↑ High	>90% natural landcover	544,911	2.1%	↑ In good
	>80-90% natural landcover	222,779	0.9%	condition
	>70-80% natural landcover	222,588	0.9%	↓ Not in good
	>60-70% natural landcover	230,265	0.9%	condition
	≤60% natural landcover	1,833,384	7.1%	
↓ Low	Not identified as a floodplain	22,803,286	88.2%	
	Area not evaluated for this indicator	0.22	<0.1%	
	Total area	25,857,213	100%	



This indicator depicts the number of connected stream size classes in a river network between dams or waterfalls. River networks with a variety of connected stream classes help retain aquatic biodiversity in a changing climate by allowing species to access climate refugia and move between habitats. This indicator originates from the Southeast Aquatic Resources Partnership and applies to the Environmental Protection Agency's estimated floodplain, which spatially defines areas estimated to be inundated by a 100-year flood (also known as the 1% annual chance flood).

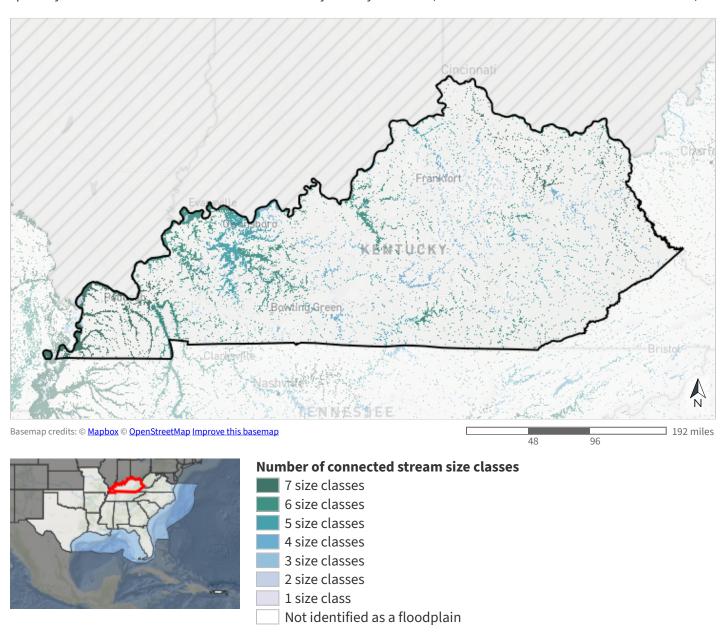
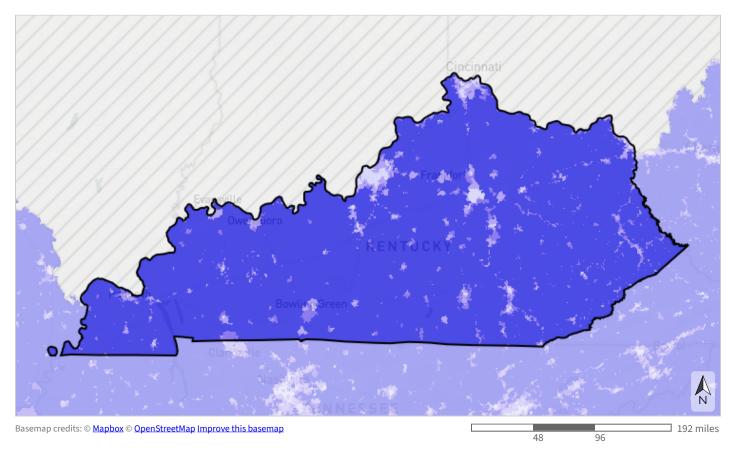


Table 16: Indicator values for network complexity within Kentucky. Good condition thresholds reflect the range of indicator values that occur in healthy, functioning ecosystems.

	Indicator Values: Number of connected stream size classes	Acres	Percent of Area	
↑ High	7 size classes	591,956	2.3%	
	6 size classes	1,169,870	4.5%	
	5 size classes	604,775	2.3%	
	4 size classes	375,437	1.5%	↑ In good condition
	3 size classes	110,943	0.4%	↓ Not in good
	2 size classes	114,233	0.4%	condition
	1 size class	79,699	0.3%	
↓ Low	Not identified as a floodplain	22,810,301	88.2%	
	Area not evaluated for this indicator	0.22	<0.1%	
	Total area	25,857,213	100%	



This indicator measures the average percent of non-impervious cover within each catchment. High levels of impervious surface degrade water quality and alter freshwater flow, impacting both aquatic species communities and ecosystem services for people, like the availability of clean drinking water. This indicator originates from the National Land Cover Database.





Percent of catchment permeable

- >95% permeable (likely high water quality and supporting most sensitive aquatic species)
- >90-95% permeable (likely declining water quality and supporting most aquatic species)
- >70-90% permeable (likely degraded water quality and not supporting many aquatic species)
- ≤70% permeable (likely degraded instream flow, water quality, and aquatic species communities)

Table 17: Indicator values for permeable surface within Kentucky. Good condition thresholds reflect the range of indicator values that occur in healthy, functioning ecosystems.

	Indicator Values: Percent of catchment permeable	Acres	Percent of Area	
↑ High	>95% permeable (likely high water quality and supporting most sensitive aquatic species)	23,796,491	92.0%	↑ In good condition
	>90-95% permeable (likely declining water quality and supporting most aquatic species)	971,110	3.8%	→ Not in good condition
	>70-90% permeable (likely degraded water quality and not supporting many aquatic species)	838,755	3.2%	
↓ Low	≤70% permeable (likely degraded instream flow, water quality, and aquatic species communities)	250,857	1.0%	
	Area not evaluated for this indicator	0.22	<0.1%	
	Total area	25,857,213	100%	

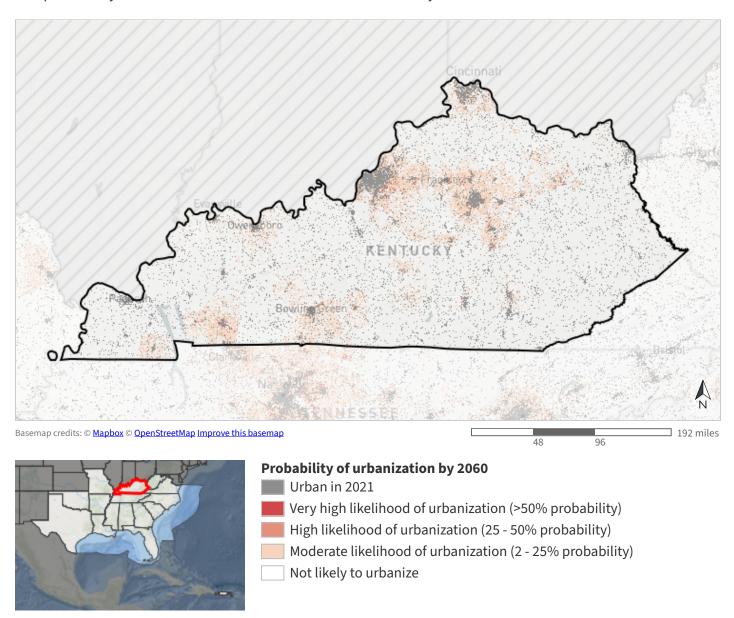
Threats

Sea-level rise

Sea-level rise unlikely to be a threat (inland counties).

Urban growth

The FUTURES urban growth model predicts the likelihood that an area will urbanize at every decade from 2020 to 2100. Developed areas from the 2021 National Landcover Database serve as the baseline for current urban areas. The model simulates landscape change based on trends in population growth, local development suitability factors, and an urban patch-growing algorithm. It considers environmental drivers like distance to floodplain, slope, and available infrastructure, and even socio-economic status. The probability of urbanization for each area reflects how many times it urbanized out of 50 model runs.



8.3% of this area is already urban in 2021, and an additional 9.4% has at least a moderate probability of urbanizing by 2060.

Table 18: Extent of projected urbanization by decade within Kentucky. Values from <u>FUTURES model</u> <u>projections for the contiguous United States</u> developed by the <u>Center for Geospatial Analytics</u>, NC State University. 2060 corresponds to the <u>SECAS goal</u>: a 10% or greater improvement in the health, function, and connectivity of Southeastern ecosystems by 2060.

Decade	Acres	Percent of Area
Urban in 2021	2,135,970	8.3%
2030 projected extent	2,187,745	8.5%
2040 projected extent	2,216,985	8.6%
2050 projected extent	2,239,416	8.7%
2060 projected extent	2,260,626	8.7%
2070 projected extent	2,280,093	8.8%
2080 projected extent	2,295,552	8.9%
2090 projected extent	2,305,825	8.9%
2100 projected extent	2,312,583	8.9%
Not projected to urbanize by 2100	20,914,448	80.9%
Total area	25,857,213	100%

Ownership and Partners

Conserved lands ownership

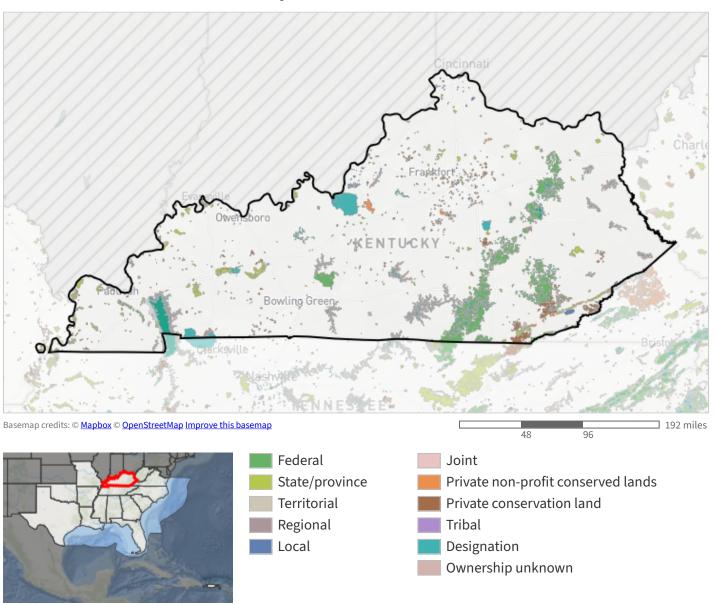


Table 19: Extent of ownership class within Kentucky. Protected areas are derived from the <u>Protected Areas Database of the United States</u> (PAD-US v3.0) and include Fee, Designation, Easement, Marine, and Proclamation (Dept. of Defense lands only) boundaries. Note: areas are based on the polygon boundary of this area compared to protected area polygons, rather than pixel-level analyses used elsewhere in this report. Also note: PAD-US v3.0 includes protected areas that may overlap within a given area; this may cause the area within and between the following categories to be greater than the actual ground area.

Ownership	Acres	Percent of Area
Federal	923,435	3.6%
State/province	237,851	0.9%
Regional	238	<0.1%
Local	58,654	0.2%
Joint	31,458	0.1%
Private non-profit conserved lands	44,529	0.2%
Private conservation land	267,522	1.0%
Designation	451,411	1.7%
Ownership unknown	297,218	1.1%

Land protection status

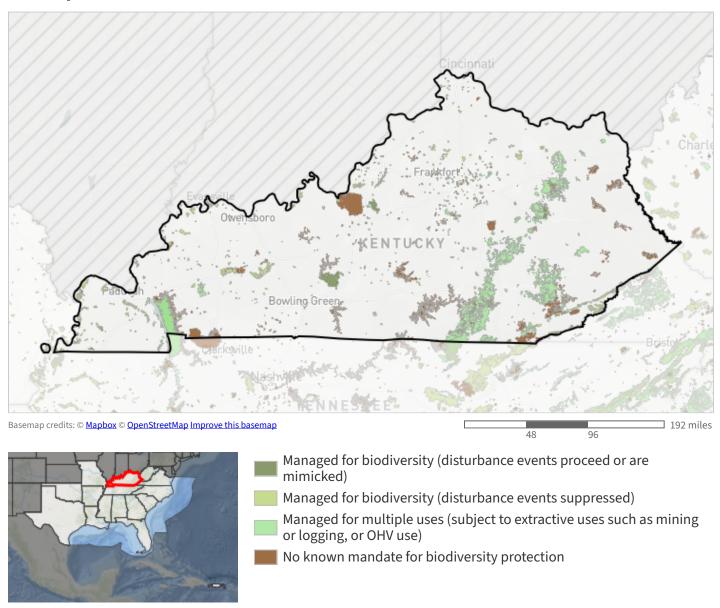


Table 20: Extent of land protection status within Kentucky. Protected areas are derived from the <u>Protected Areas Database of the United States</u> (PAD-US v3.0) and include Fee, Designation, Easement, Marine, and Proclamation (Dept. of Defense lands only) boundaries. Note: areas are based on the polygon boundary of this area compared to protected area polygons, rather than pixel-level analyses used elsewhere in this report. Also note: PAD-US v3.0 includes protected areas that may overlap within a given area; this may cause the area within and between the following categories to be greater than the actual ground area.

Land Protection Status	Acres	Percent of Area
Managed for biodiversity (disturbance events proceed or are mimicked)	111,930	0.4%
Managed for biodiversity (disturbance events suppressed)	270,321	1.0%
Managed for multiple uses (subject to extractive uses such as mining or logging, or OHV use)	1,108,794	4.3%
No known mandate for biodiversity protection	821,270	3.2%

Protected Areas

- Daniel Boone National Forest (USDA FOREST SERVICE; 710,002 acres)
- Fort Knox (108,805 acres)
- Land Between The Lakes (107,587 acres)
- Land Between the Lakes National Recreation Area (USDA FOREST SERVICE; 107,548 acres)
- CUMBERLAND (Unknown; 90,149 acres)
- Corrigan WMA (Molpus; 54,818 acres)
- BARKLEY (Unknown; 52,513 acres)
- MACA (NPS; 50,624 acres)
- Lake Cumberland (46,069 acres)
- Peabody WMA (Kentucky Department of Fish and Wildlife Resources; 39,215 acres)
- Fort Campbell (37,144 acres)
- Lake Barkley (36,798 acres)
- GREEN RV (Unknown; 32,392 acres)
- BISO (NPS; 30,307 acres)
- Boone Forestlands WMA (Begley Properties, LLC; 30,036 acres)
- BARREN RIVER (Unknown; 20,297 acres)
- YATESVILLE (Unknown; 20,111 acres)

- Black Mountain Conservation Easement (PVT; 18,895 acres)
- Elk Forest WMA (Forestlands Group; 16,203 acres)
- FISHTRAP (Unknown; 15,591 acres)
- Blue Grass Army Depot (14,578 acres)
- Bernheim (Isaac W. Bernheim Foundation Inc.; 14,381 acres)
- Pennyrile SF (Kentucky Division of Forestry; 14,379 acres)
- NOLIN RV (Unknown; 13,303 acres)
- PAINTSVILLE (Unknown; 13,186 acres)
- ... and 1,657 more protected areas ...

Nearby land trusts

Click here to search for land trusts within 500 miles of this area on the Land Trust Alliance website.

Credits

This report was generated by the Southeast Conservation Blueprint Explorer, which was developed by <u>Astute Spruce, LLC</u> in partnership with the U.S. Fish and Wildlife Service under the <u>Southeast Conservation Adaptation Strategy</u>.

Data credits

Land ownership and conservation status is derived from the <u>Protected Areas Database of the United States</u> (PAD-US v3.0).

Future urban growth estimates derived from <u>FUTURES model projections for the contiguous United States</u> developed by the <u>Center for Geospatial Analytics</u>, NC State University.

Sea level rise data are derived from the National Oceanic and Atmospheric Administration's <u>Sea Level Rise Inundation Depth Data</u> and the <u>2022 Sea Level Rise Technical Report</u>.