

3.3.3 Assessing Vulnerability: Identifying Assets

Summary: The geographic location of the Lincoln Trail Region, lends itself to some risk from most natural hazards. Therefore, no community facility or location should be considered “safe” from any type of natural hazard event that could occur in the region. The following section summarizes the physical assets in the Lincoln Trail Region. This portion of the plan identifies information such as critical facilities, transportation infrastructure, and population patterns. In part, the definition of an “asset” is its value. When possible, an effort was made to determine a dollar value for each asset. Because parcel data originates from numerous, diverse sources, this information is difficult to quantify and summarize. The cumulative product of this research is a “snapshot” of the vulnerabilities to the natural hazard events, that exist in the Lincoln Trail Region. In conjunction with the economic value of regional assets, risk has been evaluated as part of the section 3.3.4; “Estimating Potential Losses.”

Note: for the purpose of compilation of data the City of Upton while lying in both Hardin and LaRue Counties is considered to be in Hardin County.



Various Critical Facilities in Lincoln Trail Region. *Source: LTADD Archive.*

Table 3.3.3.1 - Population Characteristics

Name	Population *	Total Households	Median Household Income	Total Families	Median Family Income	Per Capita Income	Individuals Below Poverty Level	% Below Poverty Level (2020 Population Figures)
BRECKINRIDGE	20,432	7,598	\$47,190	5,158	62,988	\$23,286	3,674	17.98%
Cloverport	1,119	448	\$23,929	243	\$35,972	\$17,045	383	34.23%
Hardinsburg	1,231	989	\$46,188	609	\$57,083	\$22,616	382	31.03%
Irvington	2,385	511	\$32,083	304	\$50,417	\$20,815	329	13.79%
GRAYSON	26,420	9,758	\$38,612	6,801	\$45,876	\$21,231	6,585	24.92%
Caneyville	529	225	\$32,431	149	\$44,375	\$17,127	151	28.54%
Clarkson	933	442	\$25,676	291	\$35,096	\$16,588	352	37.73%
Leitchfield	6,404	2,689	\$31,221	1,585	\$41,375	\$19,794	1,700	26.55%
HARDIN	110,702	42,644	\$57,463	28,039	\$71,610	\$29,622	10,418	9.41%
Elizabethtown	31,394	12,553	\$46,754	7217	\$64,303	\$29,771	4,406	14.03%
Radcliff	23,042	9,192	\$46,105	5749	\$54,426	\$24,933	4,582	19.89%
Sonora	565	254	\$46,750	188	\$51,786	\$21,384	138	24.42%
Upton	704	296	\$45,096	202	\$49,375	\$27,720	87	12.36%
Vine Grove	6,559	2,230	\$62,596	1582	\$77,800	\$31,608	258	3.93%
West Point	952	355	\$37,007	224	\$42,500	\$21,729	195	20.48%
LARUE	14,867	5,741	\$47,643	3,882	\$57,598	\$24,803	2,013	13.54%
Hodgenville	3,235	1,142	\$31,314	723	\$45,855	\$19,114	675	20.87%
MARION	19,581	7,405	\$40,107	4,442	\$57,225	\$22,241	4,236	21.63%
Bradfordsville	270	136	\$31,786	78	\$40,000	\$19,319	76	28.15%
Lebanon	6,274	2,688	\$30,031	1158	\$36,848	\$21,164	1,740	27.73%
Loretto	723	289	\$41,979	181	\$47,404	\$20,578	85	11.76%
Raywick	155	71	-	38	\$48,750	\$22,192	34	21.94%
MEADE	30,003	10,685	\$56,603	7,674	\$72,298	\$27,861	3,369	11.23%
Brandenburg	2,894	1,084	\$43,971	696	\$48,482	\$23,455	472	16.31%
Ekron	175	91	\$47,188	65	\$48,250	\$16,708	110	62.86%
Muldraugh	1,040	427	\$34,583	243	\$54,625	\$18,576	268	25.77%
NELSON	46,738	17,853	\$20,127	12,243	\$72,320	\$32,735	4,147	8.87%
Bardstown	13,567	5,277	\$54,328	2973	\$62,217	\$33,674	1,409	10.39%
Bloomfield	961	349	\$33,854	237	\$39,688	\$22,612	177	18.42%
Fairfield	118	40	-	21	\$74,583	\$26,458	13	11.02%
New Haven	798	308	\$42,143	155	\$48,750	\$24,324	106	13.28%
WASHINGTON	12,027	4,581	\$53,743	3,209	\$64,683	\$26,035	1,777	14.78%
Mackville	222	78	\$45,000	53	\$64,750	\$21,518	5	2.25%
Springfield	2,846	1,200	\$40,915	652	\$43,750	\$20,043	728	25.58%
Willisburg	300	115	\$60,694	67	\$50,938	\$27,297	99	33.00%
LTADD	280,770	106,265		71,448			36,219	12.90%
Source: American Community Survey 2019								
*US Census, data.census.gov								

Residential: Housing is an integral component of the social and physical environment of any community. The provision of adequate housing should be regarded as an element of the overall planning process. Although a challenging goal, the provision of sound and affordable housing for all citizens of the region can be aided by comprehensive planning programs as well as, sensible hazard mitigation strategies. The table below details selected housing characteristics across the region. As illustrated, the median value of homes ranged from as low as \$45,000 to as high as \$180,000, in 2019. Many of the cities in the region saw large increases in Median home values while others have saw decreases. The counties within the Lincoln Trail region have continued to realize an increase in the median housing value since 1990.

Table 3.3.3.2 - Housing Characteristics

Name	Population*	Total Housing Units*	Occupied Housing Units*	Vacant Housing Units*	% Mobile Homes	Owner Occupied	Renter Occupied	Median Housing Value				
								1990	2003	2008	2013	2019
BRECKINRIDGE	20,432	10,704	8,003	2,701	26.8	6,123	1,475	\$37,700	\$64,600	\$93,000	\$82,700	\$102,900
Cloverport	1,119	557	485	72	9.7	274	174	\$24,400	\$39,000	\$56,000	\$44,100	\$57,300
Hardinsburg	1,231	1,101	976	125	14.1	596	393	\$45,800	\$72,700	\$104,800	\$82,500	\$99,300
Irvington	2,385	566	514	52	16.8	242	269	\$37,500	\$58,100	\$84,100	\$71,800	\$86,700
GRAYSON	26,420	13,275	10,440	2,835	21.7	7,084	2,674	\$35,700	\$65,600	\$95,800	\$87,700	\$113,900
Caneyville	529	282	233	49	16.6	155	70	\$29,800	\$56,900	\$76,800	\$65,900	\$96,400
Clarkson	933	456	416	40	68	205	237	\$26,000	\$50,600	\$72,100	\$71,700	\$84,200
Leitchfield	6,404	2,885	2,626	259	9.4	1,434	1,255	\$40,100	\$66,900	\$95,200	\$83,000	\$103,000
HARDIN	110,702	46,669	42,933	3,736	9.9	25,605	16,041	\$58,300	\$88,300	\$143,500	\$140,600	\$156,600
Elizabethtown	31,394	14,076	13,095	981	2.6	5,564	6,989	\$59,500	\$98,300	\$162,800	\$155,400	\$180,000
Radcliff	23,042	10,207	9,152	1,055	11.8	4,640	4,552	\$65,000	\$83,500	\$134,400	\$121,400	\$129,100
Sonora	565	237	232	5	5.6	210	44	\$30,600	\$62,500	\$101,500	\$106,500	\$120,500
Upton	704	321	296	25	5.7	177	92	\$32,100	\$56,900	\$97,100	\$70,500	\$96,300
Vine Grove	6,559	2,820	2,563	257	3.8	1,450	780	\$52,200	\$81,100	\$136,000	\$121,200	\$152,700
West Point	952	490	393	97	24.5	232	123	\$25,600	\$54,500	\$79,900	\$81,100	\$45,600
LARUE	14,867	6,474	5,879	595	14.1	4,253	1,488	\$39,500	\$72,100	\$111,000	\$101,000	\$115,600
Hodgenville	3,235	1,488	1,369	119	2.2	616	526	\$39,300	\$65,900	\$93,000	\$79,900	\$90,400
MARION	19,581	8,350	7,752	598	13	5,434	1,971	\$39,500	\$70,300	\$105,000	\$100,200	\$105,400
Bradfordsville	270	142	116	26	31.9	82	54	\$16,100	\$27,500	\$37,500	\$54,200	\$56,700
Lebanon	6,274	2,799	2,582	217	8.4	1,530	1,158	\$39,600	\$64,100	\$93,900	\$95,400	\$92,600
Loretto	723	313	289	24	17.7	226	63	\$33,600	\$65,400	\$97,700	\$93,900	\$108,100
Raywick	155	68	68	0	16.9	46	25	\$24,200	\$68,500	\$109,000	\$111,800	\$108,300
MEADE	30,003	11,943	11,045	898	17.7	7,759	2,926	\$49,700	\$85,500	\$114,000	\$120,500	\$153,500
Brandenburg	2,894	1,250	1,160	90	4.4	578	506	\$47,900	\$75,400	\$108,000	\$106,800	\$146,400
Ekron	175	83	74	9	28.4	51	40	\$28,300	\$50,300	\$52,000	\$50,600	\$59,600
Muldraugh	1,040	551	440	111	23.8	157	270	\$37,000	\$54,900	\$58,000	\$70,000	\$61,100
NELSON	46,738	19,716	18,462	1,254	7.9	13,561	4,292	\$45,800	\$87,100	\$129,700	\$124,500	\$154,700
Bardstown	13,567	5,995	5,572	423	2.8	2,957	2,320	\$46,900	\$76,000	\$107,600	\$102,500	\$123,500
Bloomfield	961	448	408	40	7.1	242	107	\$37,700	\$72,900	\$108,000	\$95,500	\$106,000
Fairfield	118	50	50	0	0	30	10	\$40,400	\$49,121	\$52,000	\$82,500	\$150,000
New Haven	798	367	333	34	1.4	195	113	\$36,800	\$68,600	\$105,300	\$94,300	\$102,100
WASHINGTON	12,027	5,196	4,674	522	13.7	3,434	1,147	\$40,700	\$72,000	\$112,000	\$107,300	\$128,300
Mackville	222	92	78	14	6	62	16	\$32,200	\$56,700	\$85,800	\$88,300	\$95,000
Springfield	2,846	1,303	1,182	121	2.5	557	643	\$40,900	\$74,900	\$114,200	\$86,300	\$120,700
Willisburg	300	118	101	17	0	83	32	\$38,800	\$66,300	\$73,000	\$96,700	\$1,097,000
LTADD	280,770											

Source: US Census, American Community Survey - 2019, 5 Year.
 * 2020 US Census

Commercial: Currently, there is no inventory of commercial structures in the Lincoln Trail Region or for any of its eight counties or twenty-seven cities.

Industrial: The 2020 Kentucky Directory of Manufacturers, from the Economic Development Cabinet, reports that there are 202 industries in the Lincoln Trail Region, an increase of 30 industries since 2015. An estimated 20,723 people are employed by these industries. Due to rapid industrial growth, the dynamic nature of employment and the absence of individual dollar values, no further analysis for potential loss can be completed at this time. However, the number of companies and employees can't be disregarded when considering the economic impact of any hazard event.

Table 3.3.3.3 - Lincoln Trail Region Industries		
Jurisdiction	Number of Industries	Number of Employees
Breckinridge County	6	284
Garfield	1	5
Hardinsburg	5	279
Grayson County	31	1,685
Clarkson	2	117
Leitchfield	28	1,532
Millwood	1	36
Hardin County	44	7,231
Cecilia	2	154
Eastview	1	7
Elizabethtown	36	6,831
Radcliff	4	169
Sonora	1	70
LaRue County	8	423
Hodgenville	7	421
Magnolia	1	2
Marion County	29	4,364
Lebanon	27	4,186
Loretto	2	178
Meade County	4	425
Brandenburg	4	425
Nelson County	51	4,637
Bardstown	36	4,260
Boston	3	149
Bloomfield	2	56
Cox's Creek	6	92
New Haven	3	70
New Hope	1	10
Washington County	9	1224
Springfield	9	1224
Lincoln Trail Region	202	20,273
<i>Source: Report: 2020 Kentucky Directory of Manufacturers</i>		

Agricultural: Agricultural lands are particularly susceptible to damage from drought, flooding, hail, and storms. The frequency and magnitude of events during a growing season is a major determinant of the impact of any natural hazard on crops. The natural hazards listed above, as well as lightning, could also affect livestock. The total estimated value of livestock, crops, and agricultural related lands at risk in the region, is detailed in the following table.

Table 3.3.3.4 - Agricultural Assets

Location	Number of Farms	Farmland	Cropland	Cropland in Floodplain ¹	Harvested Cropland	Estimated Market Value Cropland and Structures Per Acre	Estimated Market Value Crop & Livestock Production
Acres						Dollars	
BRECKINRIDGE	1,357	275,105	126,792	2,674	102,430	\$3,087	\$99,439,000
GRAYSON	1,339	212,343	95,299	4,717	72,227	\$2,956	\$59,578,000
HARDIN	1,305	199,201	109,575	5,277	93,215	\$4,594	\$59,242,000
LARUE	718	110,371	67,671	7,529	62,017	\$3,549	\$41,112,000
MARION	954	162,949	85,208	7,851	77,682	\$3,482	\$60,230,000
MEADE	781	141,054	80,352	2,777	64,318	\$4,328	\$45,793,000
NELSON	1,434	213,534	114,006	10,166	98,396	\$4,061	\$67,099,000
WASHINGTON	1,102	161,449	67,509	2,274	54,280	\$3,212	\$34,391,000
LTADD	8,990	1,476,006	746,412	43,264	624,565		

Source: USDA 2017 Ag Census

¹ - Comparison using USDA's National Agricultural Statistics Service "CroplandCROS" data, version 2020 and FEMA DFIRM Flood Elevation data 2007-2012.

This comparison reflects more the current landuse for agriculture versus the potential landuse as with previous plans. As with 2015 HMP, this focuses on land used for crops and excludes pasture lands.



Agriculture is an important economic factor in Lincoln Trail Region. Source: LTADD Archive.

Transportation: Each County has a fully equipped road department to maintain county roads and bridges. The Kentucky Transportation Cabinet is responsible for the remaining state roads.

Table 3.3.3.5 - Transportation Assets

Location	Road Miles ¹	Bridges ²	Airports ³	Rail Miles ⁴
BRECKINRIDGE	881	91	1	30
Cloverport	11			
Hardinsburg	16		1	
Irvington	11			
GRAYSON	934	117	2	34
Caneyville	4			
Clarkson	6			
Leitchfield	49			
HARDIN	1,172	221	1	70
Elizabethtown	164			
Radcliff	96			
Sonora	5			
Upton ⁵	7			
Vine Grove	35			
West Point	9			
LARUE	448	54		3
Hodgenville	14			
MARION	478	148		0
Bradfordsville	2			
Lebanon	34			
Loretto	3			
Raywick	1			
MEADE	558	24		24
Brandenburg	10			
Ekron	2			
Muldraugh	5			
NELSON	708	150	1	30
Bardstown	80			
Bloomfield	7			
Fairfield	1			
New Haven	4			
WASHINGTON	451	99	1	0
Mackville	2			
Springfield	17			
Willisburg	1			
County Totals	5,630	904	6	191
Municipal Totals	596			
LTADD Total	6,226	904	6	191

1. County Mileage includes Federal, state and County roads, KYTC May 2021.

2. Bridges are on Federal and State roads only, Bureau of Transportatin Statistics, June 2021.

3. Paved Runways with some services, Bureau of Transportatin Statistics, 2021

4. Main Lines only, Bureau of Transportatin Statistics, 2021

5. Hardin & LaRue Combined



Transportation Facilities in Lincoln Trail Region. *Source: LTADD Archive.*

Utilities: The Lincoln Trail Region is served by numerous utilities, provided by various sources. The following tables detail the wastewater and water treatment systems currently operating in the Lincoln Trail Region. Due to future growth projections, there are several projects currently being considered by the regional water management council that pertain to line expansions and/or system upgrades.

Table 3.3.3.6 - Wastewater Utility Assets

County	Owner	Treatment Plant	Max Hydraulic Capacity (MGD)	Ave Daily Flow (MG)	Population Served
Breckinridge	Cloverport	Cloverport Stp	0.20	0.15	1,071
	Hardinsburg	Hardinsburg Stp	0.73	0.47	2,242
	Irvington	Irvington Wwtp	0.15	0.08	99
Grayson	Caneyville	Caneyville Wwtp	0.12	0.09	609
	Clarkson	Clarkson Wwtp	0.04	0.05	898
	Leitchfield	Leitchfield Wwtp	2.00	1.27	6,230
Hardin	Airview Estates Subdivision	Airview Estates Wwtp	Design - 0.055	0.06	na
	Elizabethtown	Valley Creek Wwtp	29.00	7.80	29,554
	Hardin County Water Dist #1	Radcliff	4.00	3.92	23,218
	Hardin County Water Dist #1	Ft Knox	6.00	1.48	<i>included in above</i>
	Vine Grove	Vine Grove Wwtp	0.71	0.37	5,017
	West Point	West Point Wwtp	0.20	0.11	839
Larue	Hodgenville	Hodgenville Wwtp	0.78	0.55	3,629
Marion	Bradfordsville	Bradfordsville Wwtp	0.04	0.03	304
	Lebanon	Lebanon Wwtp	3.00	2.13	6,926
	Loretto	<i>Collection System Only</i>	With Lebanon	With Lebanon	803
Meade	Brandenburg	Brandenburg Wwtp	0.91	0.26	2,797
	Doe Valley Association, Inc.	Doe Valley Wwtp	Design - 0.15	na	1,860
	Muldraugh	<i>Collection System Only</i>	With Ft Knox	With Ft Knox	937
Nelson	Bardstown	Bardstown	3.00	1.20	18,185
	Bardstown	Jerry L. Riley	4.00	1.63	0
	Bloomfield	<i>Collection System Only</i>	With Bardstown	With Bardstown	978
	New Haven	New Haven Wwtp	0.16	0.11	938
Washington	Springfield Water & Sewer Commission	Springfield Stp	0.88	0.61	2,714

Source: Kentucky Infrastructure Authority, Water Resources Information System, April, 2021

Table 3.3.3.7 - Water Utility Assets

County	Owner	Water Treatment Plant Name	Design Capacity (MGD)	Total Population	Useage (Million Gallons)
Breckinridge	Hardinsburg Water	Hardinsburg Water	2.00	15,014	391.91
Grayson	Leitchfield Water Works	Leitchfield Utilities	2.88	20,793	592.02
Grayson	Grayson County Water District	Grayson County Water District	2.30	15,911	382.82
Hardin	Hardin County Water District #1	Pirtle Springs	3.10	127,323	1,056.00
Hardin	Hardin County Water District #1 Fort Knox System	Muldrough Plant	7.00	37,764	657.21
		Fort Knox/Central	3.50		
Hardin	Hardin County Water District #2	City Springs	3.00	75,812	2,425.93
		Freeman Lake	3.00		
		White Mills	8.10		
Hardin	West Point Water Dept	West Point	0.34	898	18.35
LaRue	Hodgenville Water Works	Hodgenville	0.50	13,100	179.33
Marion	Lebanon Water Works County Inc	Lebanon	5.20	20,805	752.13
Meade	Brandenburg Water Works	Barney Johnson	1.00	19,351	120.17
Nelson	Bardstown Municipal Water Dept	Sympson Lake	6.00	51,366	1,283.39
Washington	Springfield Water Works	Springfield	3.00	10,413	362.57

Source: Kentucky Infrastructure Authority, Water Resources Information System, Sept. 2021



Critical Facilities are exposed to many hazards in the Lincoln Trail Region. Source: LTADD Archive.

Critical Facilities: These facilities may be public or private: they are critical components of effective loss mitigation and recovery efforts during and after any hazard event. When planning for and implementing hazard mitigation strategies, communities should give top priority to their critical facilities. For the purposes of this document the Lincoln Trail Region has identified their critical facilities to be those listed. The list identifies the location of each facility, not a specific government authority. The number of critical facilities remained constant with the only changes, as noted below, in the categories of government buildings, water storage tanks and wells.

Table 3.3.3.8 Critical Facilities

Jurisdiction	Communications – Pubic Radio Transmitters	Fire Stations	Police Stations	Government Buildings	Hospitals	Waste Water Treatment Plants	Water Treatment Plants	Pumping Stations	Storage Tanks	Wells	Schools
Breckinridge	0	6	0	1	1	0	1	6	7	3	1
Cloverport	0	1	1	1	0	1	0	0	2	0	3
Hardinsburg	2	3	2	5	1	1	1	0	2	0	2
Irvington	0	1	1	1	0	1	0	3	2	0	1
Grayson	0	4	0	3	1	2	2	8	10	0	0
Caneyville	0	1	1	1	0	1	0	4	3	0	1
Clarkson	0	1	1	1	0	1	0	0	1	0	1
Leitchfield	2	2	1	2	1	1	1	2	3	0	5
Hardin	11	18	6	12	2	4	2	10	11	0	7
Elizabethtown	3	5	2	7	1	1	1	2	10	0	12
Radcliff	2	2	1	3	0	1	0	3	2	0	9
Sonora	0	1	0	1	0	0	0	0	0	0	1
Upton	0	1	0	2	0	0	0	0	0	0	1
Vine Grove	2	1	1	1	0	1	0	8	3	0	5
West Point	0	1	1	2	0	1	0	5	1	2	0
Larue	1	3	1	2	0	0	0	6	8	0	2
Hodgenville	0	2	2	4	0	1	1	1	3	0	2
Marion	0	1	0	4	0	0	1	3	8	0	2
Bradfordsville	0	1	0	3	0	1	0	0	1	0	0
Lebanon	2	2	2	8	1	1	1	1	1	0	5
Loretto	0	1	0	1	0	0	0	0	1	0	1
Raywick	0	1	0	1	0	0	0	0	0	0	0
Meade	0	11	2	6	0	1	1	2	3	0	4
Brandenburg	2	1	2	5	0	0	1	0	1	3	5
Ekron	0	1	0	1	0	0	0	0	0	0	1
Muldraugh	1	1	1	4	0	0	0	4	0	0	0
Nelson	2	10	5	15	1	2	2	9	17	0	2
Bardstown	3	3	2	8	1	2	1	3	4	0	19
Bloomfield	0	1	1	1	0	0	0	1	1	0	2
Fairfield	0	0	0	1	0	0	0	0	0	0	0
New Haven	1	1	1	1	0	1	0	3	2	0	2
Washington	4	3	2	4	0	1	1	4	5	0	0
Mackville	0	1	0	0	0	0	0	0	0	0	0
Springfield	0	2	2	5	0	1	1	1	4	0	4
Willisburg	0	1	0	1	0	0	0	0	0	0	1
Total in Region	38	95	41	118	10	27	18	89	116	8	101

Special Critical Facilities: Dams represent a unique critical facility situation where the loss of the facility itself due to any disaster can lead to an additional disaster in the form of flooding.

Within the Lincoln Trail, eight-county region, there are 90 dams. Of the 90 dams in the region, 21 are for flood control, 48 are for recreation purposes, 13 are for water supply, and the remaining 8 dams are used for other purposes that include fire protection, fish and wildlife, and irrigation.

The following chart lists all 90 dams in the Lincoln Trail Region by county and shows each dam's current hazard class. The information below, was provided by the Department for Environmental Protection of the Kentucky Energy and Environment Cabinet. The various dams listed are portrayed on the maps in section 3.3.2.1 Flooding.

Table 3.3.3.9.-. Lincoln Trail Region Dams

Breckinridge County

Dam Name	Dam Type	Hazard Class	Main Purpose	Dam Height (m)	Normal Reservoir Storage (m3)
LEE THOMAS LAKE DAM	Earth	Significant	Recreation	13.6	0
G. E. BENNETTE DAM	Earth	Low	Water Supply	8.2	28,370.10
N FORK OF ROUGH RIVER FRS 1	Earth	Low	Flood Control	12.2	55,506.70
HONEY LOCUST DAM	Earth	Low	Recreation	8.2	59,207.10
BRECKRIDGE	Earth	Significant	Recreation	5.8	67,841.50
JOHN SMITH DAM	Earth	Low	Water Supply	8.8	100,158.70
BLANCHETTE DAM	Earth	High	Recreation	8.8	108,793.10
HARDINSBURG FFA CAMP LAKE DAM	Earth	Significant	Recreation	11	136,546.40
DRY FORK LAKE DAM	Earth	Low	Water Supply	8.5	145,550.90
PAPE DAM	Earth	Low	Recreation	9.4	220,793.30
ROUGH RIVER LAKE DAM	Earth	High	Flood Control	0	111,260,063.40

Grayson County

Dam Name	Dam Type	Hazard Class	Main Purpose	Dam Height (m)	Normal Reservoir Storage (m3)
CANEY CREEK FRS 1	Earth	Significant	Flood Control	12.2	238,062.00
SHORT CREEK FRS 7	Earth	Low	Flood Control	10.4	98,678.50
PINE KNOB DAM	Earth	Low	Recreation	6.1	191,189.70
CANEY CREEK FRS 13	Earth	Significant	Flood Control	11.3	185,022.30
BIG REEDY CREEK FRS 8	Earth	Low	Flood Control	8.8	111,013.40
CANEY CREEK FRS 6	Earth	High	Flood Control	14	246,696.40
CANEY CREEK FRS 9	Earth	Significant	Flood Control	12.8	166,520.10
CANEY CREEK MPS 2	Earth	Significant	Flood Control	10.4	712,582.50
SHORT CREEK FRS 8A	Earth	Low	Flood Control	12.5	99,912.00
CANEY CREEK FRS 5	Earth	Significant	Flood Control	11.9	209,691.90
CANEY CREEK FRS 12	Earth	Significant	Flood Control	8.2	339,207.50
WOLFORD LAKE DAM	Earth	Low	Recreation	15.9	599,472.20
CANEY CREEK FRS 10	Earth	Low	Flood Control	7	199,700.70
CANEY CREEK FRS 3	Earth	Low	Flood Control	11.3	357,709.70
CANEY CREEK FRS 7	Earth	Significant	Flood Control	11.6	273,833.00

Hardin County

Dam Name	Dam Type	Hazard Class	Main Purpose	Dam Height (m)	Normal Reservoir Storage (m3)
VALLEY CREEK MPS 4	Earth	High	Water Supply	13.4	2,257,271.80
VALLEY CREEK FRS 8	Earth	High	Flood Control	13.4	270,255.90
HARDIN CO. SPORTSMAN LAKE DAM	Earth	Significant	Recreation	7	194,890.10
SANDERS SPRING BRANCH FRS 5	Earth	Low	Flood Control	12.8	182,185.30
VALLEY CREEK FRS 12	Earth	High	Flood Control	11.3	141,850.40
VALLEY CREEK FRS 3	Earth	High	Flood Control	14	64,141.10
SANDERS SPRING RESERVOIR	Earth	Low	Recreation	11.3	80,176.30
C.L.RATCLIFF DAM	Earth	Low	Recreation	7.6	77,832.70
PARADISE DAM	Earth	Low	Recreation	4.6	108,546.40
DOUGLAS DAM (UPPER) 1	Earth	Low	Recreation	12.2	236,828.50
DOUGLAS DAM (LOWER) 2	Earth	Significant	Recreation	16.2	1,000,353.80
SANDER SPRING BRANCH STR #5	Earth	Low	Fish and Wildlife Pond	0	182,555.30
UPPER DOUGLAS STRUCTURE NUMBER 1	Earth	Low	Recreation	0	236,828.50
LOWER DOUGLAS STRUCTURE NO 2	Earth	Significant	Recreation	0	585,903.90

LaRue County

Dam Name	Dam Type	Hazard Class	Main Purpose	Dam Height (m)	Normal Reservoir Storage (m3)
LARUE CO. SPORTSMANS LAKE DAM	Earth	Low	Recreation	4	74,008.90
DIXIE STOCK FARM LAKE DAM	Earth	Low	Irrigation	5.5	43,171.90
NORTH FORK NOLIN RIVER MPS 3	Earth	High	Water Supply	15.9	1,461,676.00
DOUG SPROWLS LAKE DAM	Earth	Low	Recreation	4.9	29,603.60
WALTER SMITH LAKE DAM	Earth	Significant	Recreation	6.1	85,110.20
NORTH FORK NOLIN RIVER MPS 15	Earth	High	Recreation	15.5	506,961.00

Marion County

Dam Name	Dam Type	Hazard Class	Main Purpose	Dam Height (m)	Normal Reservoir Storage (m3)
MARION CO SPORTSMAN S DAM	Earth	Significant	Recreation	10.1	269,269.10
LEBANON IMPOUNDMENT 2	Gravity	Significant	Water Supply	1.8	50,572.80
LANGFORD DAM	Earth	High	Fire Protection, Stock, Or Small Fish Pond	10.1	68,088.20
MONTGOMERY DAM	Earth	Significant	"Fire Protection, Stock, Or Small Fish Pond"	9.1	62,414.20
GEORGE DAM	Earth	Low	Recreation	8.5	23,436.20
STAR HILL DISTILLERY DAM	Earth	Low	Other	10.7	101,145.50
JOHN ANGEL LAKE DAM	Earth	Significant	Recreation	7.9	16,775.40
LEBANON WATER WORKS (NEW)	Earth	High	Water Supply	23.8	3,562,295.60

Meade County

Dam Name	Dam Type	Hazard Class	Main Purpose	Dam Height (m)	Normal Reservoir Storage (m3)
DOE VALLEY LAKE DAM	Earth	Significant	Water Supply	29.6	15,252,003.10
GRAHAMTON LAKE DAM	Earth	Low	Recreation	6.1	123,348.20
HAYES DAM	Earth	Low	Recreation	8.5	124,828.40
GRAHAMTON LAKE DAM	Earth	Low	Recreation	0	123,348.20
TOBACCO LEAF LAKE DAM	Earth	Low	Recreation	0	61,674.10

Nelson County

Dam Name	Dam Type	Hazard Class	Main Purpose	Dam Height (m)	Normal Reservoir Storage (m3)
LAKE SYMPSON DAM	Rockfill	Significant	Water Supply	22.3	4,937,011.10
SPOOKY HOLLOW (LOWER) DAM	Earth	Significant	Recreation	5.8	76,475.90
HURRICANE LAKE DAM	Earth	Significant	Recreation	13.7	501,533.70
EAGLE LAKE DAM	Earth	Low	Recreation	7.3	250,396.80
T W SAMUELS DISTILLERY DAM 3	Earth	Low	Other	7	45,392.10
MELODY LAKE DAM	Earth	Low	Flood Control	7.9	511,895.00
TIMBER TRAILS LAKE DAM	Earth	Significant	Recreation	5.5	45,638.80
HEAVEN HILL DISTILLERY DAM	Earth	Low	Recreation	10.7	60,070.60
HOLT DAM	Earth	Low	Fire Protection, Stock, Or Small Fish Pond	8.2	79,312.90
BARTON DAM	Earth	Significant	Recreation	7	86,097.00
T W SAMUELS DISTILLERY DAM 1	Earth	Significant	Recreation	5.8	65,251.20
T W SAMUELS DISTILLERY DAM 2	Earth	Significant	Recreation	6.1	0
SPOOKY HOLLOW UPPER LAKE DAM	Earth	Significant	Recreation	6.4	0
BLOOMFIELD CITY PARK DAM	Earth	High	Recreation	7.9	35,400.90
STONE CREEK FARM DAM		Unknown	Recreation	9.8	664,846.70
MAYWOOD DAM		Low	Recreation	17.7	0

Washington County

Dam Name	Dam Type	Hazard Class	Main Purpose	Dam Height (m)	Normal Reservoir Storage (m3)
SPRINGFIELD RESERVOIR (OLD)	Earth	High	Water Supply	11	362,890.40
SPRINGFIELD RESERVOIR (NEW)	Earth	Low	Water Supply	10.1	705,058.20
WILLISBURG LAKE DAM	Earth	High	Recreation	23.5	2,900,532.60
SAM NALLY DAM	Earth	Low	Recreation	13.4	112,863.60
HAYS FARM LAKE DAM	Earth	Low	Recreation	9.1	14,801.80
JOHN BARBER DAM	Earth	Low	Recreation	7.9	21,956.00
HUGH L. GRUNDY FARM DAM	Earth	Low	Recreation	11.6	125,691.80
ST. ROSE LAKE (UPPER)	Earth	Low	Water Supply	9.1	92,511.10
ST. ROSE LAKE (LOWER)	Earth	Low	Water Supply	7.9	30,713.70
MORRISON O NAN FARM DAM	Earth	Low	Irrigation	7.9	45,638.80
GOODE PAY DAM	Earth	Low	Recreation	9.1	30,220.30
WILLIS WALKER FARM DAM	Earth	Low	Recreation	9.4	27,383.30
SAM SMITH DAM	Earth	High	Fire Protection, Stock, Or Small Fish Pond	6.1	49,832.70
TRUMAN LAWSON DAM	Earth	Low	Water Supply	8.5	31,207.10
LINCOLN HOMESTEAD DAM NO.2	Earth	Low	Recreation	7.9	75,242.40

Source: National Performance of Dams Program