

ENVIRONMENTAL ASSESSMENT

Master Plan Revision Millwood Lake

June 2022

For Further Information, Contact: Planning and Environmental Division, Environmental Branch U.S. Army Corps of Engineers Little Rock District Post Office Box 867 Little Rock, Arkansas 72203-0867 Telephone: (501) 324-5751 This page left intentionally blank

MASTER PLAN REVISION MILLWOOD LAKE ENVIRONMENTAL ASSESSMENT

Table of Contents

SECTION	PAGE
1. INTRODUCTION	1
2. PURPOSE AND NEED FOR ACTION	2
2.1 Purpose and Need	2
2.2 Project History	2
3. ALTERNATIVES	5
3.1 Maximum Conservation (Alternative 1)	
3.2 Moderate Conservation- (Alternative 2, Selected)	
3.3 No Action (Alternative 3)	
3.4 Minimum Conservation (Alternative 4)	
4. AFFECTED ENVIRONMENT	12
4.1 Project Setting	
4.2 Climate	
4.3 Topography, Geology, and Soils	
4.4 Aquatic Environment	
4.4.1 Hydrology and Groundwater	16
4.4.2 Water Quality	16
4.4.3 Fish Species and Habitat	17
4.5 Terrestrial Resources	
4.5.1 Wildlife	17
4.5.2 Vegetation	18
4.6 Wetlands	
4.7 Threatened and Endangered Species	
4.7.1 Invasive Species	20
4.8 Archaeological and Historic Resources	
4.8.1 Historical Sites	21
4.8.2 Archaeological Sites/Resources	21
4.9 Air Quality	
4.10 Socio-Economic Resources	
4.11 Recreation Resources	
4.12 Health and Safety	
4.13 Aesthetics	
5. ENVIRONMENTAL CONSEQUENCES	
5.1 Climate	
5.1.1 Maximum Conservation (Alternative 1)	34
5.1.2 Moderate Conservation (Alternative 2)	
5.1.3 No Action (Alternative 3)	
5.1.4 Minimum Conservation (Alternative 4)	
5.2 Topography, Geology and Soils	

5.2.1 Maximum Conservation (Alternative 1)	34
5.2.2 Moderate Conservation (Alternative 2)	35
5.2.3 No Action (Alternative 3)	35
5.2.4 Minimum Conservation (Alternative 4)	35
5.3 Aquatic Environment	35
5.3.1 Hydrology and Groundwater	35
5.3.2 Water Quality	36
5.3.3 Fish Species and Habitat	37
5.4 Terrestrial Resources	38
5.4.1 Wildlife	38
5.4.2 Vegetation	39
5.5 Wetlands	40
5.5.1 Maximum Conservation (Alternative 1)	40
5.5.2 Moderate Conservation (Alternative 2)	41
5.5.3 No-Action (Alternative 3)	41
5.5.4 Minimum Conservation (Alternative 4)	41
5.6 Threatened and Endangered Species	41
5.6.1 Maximum Conservation (Alternative 1)	41
5.6.2 Moderate Conservation (Alternative 2)	42
5.6.3 No Action (Alternative 3)	42
5.6.4 Minimum Conservation (Alternative 4)	42
5.7 Archaeological and Historic Resources	42
5.7.1 Maximum Conservation (Alternative 1)	42
5.7.2 Moderate Conservation (Alternative 2)	42
5.7.3 No Action (Alternative 3)	43
5.7.4 Minimum Conservation (Alternative 4)	43
5.8 Socio-Economic Resources	43
5.8.1 Maximum Conservation (Alternative 1)	43
5.8.2 Moderate Conservation (Alternative 2)	43
5.8.3 No Action (Alternative 3)	44
5.8.4 Minimum Conservation (Alternative 4)	44
5.9 Recreation Resources	44
5.9.1 Maximum Conservation (Alternative 1)	44
5.9.2 Moderate Conservation (Alternative 2)	44
5.9.3 No Action (Alternative 3)	45
5.9.4 Minimum Conservation (Alternative 4)	45
5.10 Air Quality	45
5.10.1 Maximum Conservation (Alternative 1)	45
5.10.2 Moderate Conservation (Alternative 2)	45
5.10.3 No Action (Alternative 3)	45
5.10.4 Minimum Conservation (Alternative 4)	46
5.11 Health & Safety	46
5.11.1 Maximum Conservation (Alternative 1)	46
5.11.2 Moderate Conservation (Alternative 2)	46
5.11.3 No Action (Alternative 3)	46
5.11.4 Minimum Conservation (Alternative 4)	46

5.12 Aesthetics	47
5.12.1 Maximum Conservation (Alternative 1)	47
5.12.2 Moderate Conservation (Alternative 2)	47
5.12.3 No Action (Alternative 3)	47
5.12.4 Minimum Conservation (Alternative 4)	47
5.13 Cumulative Impacts	47
6. ENVIRONMENTAL COMPLIANCE	49
6.1 Fish and Wildlife Coordination Act	49
6.2 Endangered Species Act	49
6.3 Environmental Justice	49
6.4 Cultural Resource Requirement	50
7. Scoping and Public Concern	50
7.1 Introduction	50
7.2 Scoping	51
7.3 Draft Master Plan/Draft Environmental Assessment.	52
7.4 Final Master Plan/Final EA	52
8. Conclusions	52
9. Bibliography	55
10. List of Preparers	57

Appendices

Appendix A: Scoping Report	
Appendix B: Draft Release Comments Report	
Appendix C: Alternative Land Classification Maps	

ENVIRONMENTAL ASSESSMENT

LIST OF FIGURES AND TABLES

List of Tables

Table 2-1 Pertinent Data of Millwood Dam and Lake	4
Table 3-1 Change in Land Classification by Alternative including No Action Converted to Select	ed
Alternative	5
Table 3-2 Comparison of Alternatives and Change Compared to Alternative 3	12
Table 4-1 Threatened, Endangered, and Species of Concern	19
Table 4-2 Previous Archeological Investigations on Millwood Lake	22
Table 4-3 Previously Recorded Resources at Millwood Lake	23
Table 4-4 Population Estimates and Trends	24
Table 4-5 Income and Employment	25
Table 4-6 Population by Race and Ethnicity, 2019	26
Table 4-7 Poverty Indicators and Number of Children (2019)	27
Table 5-1 Resources Likely Affected with Implementation of Alternatives	29
Table 6-1 Federal Act/Executive Order Compliance	49

List of Figures

Figure 2-1 Millwood Lake and Surrounding Area	3
Figure 3-1 Percentage of Land Classifications for Each Alternative.	8
Figure 4-1 Ecoregions Bordering Millwood Lake	14
Figure 4-2 Geology of Millwood Lake Watershed	15
Figure 4-3 Population Distribution by Age Group (2019)	24

1. INTRODUCTION

The Master Plan is the strategic land use management document that guides the comprehensive management and development of all project recreational, natural, and cultural resources throughout the life of the water resource project. The Master Plan guides the efficient and cost-effective management, development, and use of project lands. It is a vital tool for the responsible stewardship and sustainability of project resources for the benefit of present and future generations.

The Master Plan guides and articulates Corps' responsibilities pursuant to Federal laws to preserve, conserve, restore, maintain, manage, and develop the project's lands, waters, and associated resources. The Master Plan is a dynamic operational document projecting what could and should happen over the life of the project and is intended to be flexible to respond to changing conditions. The Master Plan deals in concepts, not in details, of design or administration. Detailed management and administration functions are addressed in the Operational Management Plan (OMP), which implements the concepts of the Master Plan into operational actions.

Master Plans are required to be developed and kept current for Civil Works projects operated and maintained by the Corps and they include all land (fee, easements, or other interests) originally acquired for the projects and any subsequent land (fee, easements, or other interests) acquired to support the operations and authorized missions of the project.

The Master Plan is not intended to address the specifics of regional water quality, shoreline management, or water level management; these areas are covered in a project's shoreline management plan or water management plan. However, specific issues identified through the Master Plan revision process can still be communicated and coordinated with the appropriate internal Corps resource (i.e., Operations for shoreline management) or external resource agency (i.e. Arkansas Department of Environmental Quality) responsible for that specific area.

The revised Master Plan updates Design Memorandum No. 5-B, Master Plan for Millwood Reservoir (USACE 1964)

With the proposed Master Plan update, an Environmental Assessment (EA) is completed to evaluate existing conditions and potential impacts of proposed alternatives. The EA is prepared pursuant to the National Environmental Policy Act (NEPA), Council on Environmental Quality (CEQ) regulations (40 CFR,1500–1517), and the Corps implementing regulation, Policy and Procedures for Implementing NEPA, Engineer Regulation (ER) 200-2-2 (1988).

2. PURPOSE AND NEED FOR ACTION

2.1 Purpose and Need

The purpose of the proposed action to revise the Millwood Lake Master Plan is to set a vision for the next 10 to 20 years and to reflect changing needs for operation of the project's lands, waters, and associated resources.

The need for the proposed action is based on the age of the current plan and the changed conditions around the lake and in lake use. The Master Plan for Millwood Lake was last approved in 1964; and was followed by 4 supplements over the last 56 years. During that time, public use patterns have remained similar, but trends, facility and service demands have shifted in the past 56 years due to the need for alternative experiences in recreation and tourism. Millwood Lake incurs recreation pressure for both private shoreline and public recreation use, resulting in management concerns regarding the overall sustainability of the lake. Reallocation of services needs to be assessed with public use at project facilities. Over the last five decades, management changes and improvements have occurred to meet evolving public use.

2.2 Project History

Millwood Lake is a multiple purpose water resource development project initially authorized for four purposes: flood control, water supply, fish and wildlife, and recreation. The project is located in the southwest region of Arkansas in the Gulf Coastal Plains. The lake is partially located in Sevier, Little River, Hempstead and Howard counties (Figure 2-1). The total area contained in the Millwood project, including both land and water surface, consists of 37,617 acres. When the lake is at the top of the conservation pool (elevation 259.2 feet above mean sea level), the water area is 27,125 surface acres with 340 miles of shoreline within the lands owned in fee. The flood pool acreage totals 94,037, with a shoreline mileage of 589. The shoreline is flat and marshy at most areas of the lake but rises sharply out of the water along the east side near the dam, and at White Cliffs on the east side of the Little River in the upper reaches of the lake.

Construction of Millwood Dam was initiated in August 1961. The dam was completed in August of 1966, and the conservation pool was filled on 19 September 1966. The lake was declared operational for public use in 1966 under the authority of the Flood Control Act approved 28 June 1938 (Public Law No. 761, 75th Congress, 3rd Session) as modified by the Flood Control Act approved 18 August 1941 (Public Law No. 228, 77th Congress, 1st Session) which included the authorization of the project for flood control and fish and wildlife. Table 2-1 provides pertinent construction and operations data for this lake. There are 11 public use areas around Millwood Lake that are managed by the Corps of Engineers and four leased areas, including Jack's Isle, Millwood State Park, Patterson Shoals, and Yarborough Landing. Descriptions of these areas are located in Chapter 2 of the Master Plan.



Figure 2-1 Millwood Lake and Surrounding Area

Table 2-1 Pertinent Data of Millwood Dam and Lake

PERTINENT DATA OF THE DAM AND LAKE		
General Information		
Purpose, Stream, State	FC, WS, F&W Little R., Arkansas(1)	
Drainage area, square miles	4,114	
Average annual rainfall over the drainage area, inches, approximately	52	
Dam		
Length in feet	17,554	
Top of dam elevation, feet above mean sea level	301	
Lake		
Nominal bottom of power drawdown Elevation, feet above mean sea level	252	
Area, acres	13, 100	
Nominal top of conservation pool	259.2	
Elevation, feet above mean sea level	27 125 2	
Area, acres	27,125.3	
Length of shoreline, miles	340	
Nominal top of flood-control pool Elevation, feet above mean sea level	287	
Area, acres	94,037	
Length of shoreline, miles	589	
Five-Year frequency pool		
Elevation, feet above mean sea level (flood pool)	287	
Elevation, feet above mean sea level (drawdown)	252	
(1) FC-flood control, WS-water supply, F&W-Fish and Wildlife		

3. ALTERNATIVES

Alternatives evaluated in this EA are depicted in Table 3-1, and in Figure 3-1. The alternatives include: Alternative 1 (Maximum Conservation); Selected Alternative 2 (Moderate Conservation); Alternative 3 (No Action); and Alternative 4 (Minimum Conservation). For a more detailed map analysis of the Selected Alternative, refer to Appendix C, which contains maps depicting land classification and flowage easement areas around the shoreline. A complete set of maps for each alternative is located in Appendix C to this document.

In this EA development, the different alternatives are compared to the No Action Alternative in order to evaluate potential positive and negative effects on the natural and human environment based on the various shoreline acreage classifications determined by each action alternative. All evaluated alternatives were provided for public review after completion of the draft EA. Public comments were collected during the public comment period and considered in the development of the final EA and the final updated Master Plan. Based on public comments received, the final EA compared all action alternatives to the No Action that was developed, based on public preferences. The Final EA presents the selected alternative and provides the basis for the agency decision under NEPA.

Table 3-1 Change in Land Classification by Alternative, including No Action Converted to

Alternative 1 (Maximum		<u>%of</u>	<u>+/-</u>	<u>% +/-</u>
Conservation)	<u>Acres</u>	<u>Land</u>	<u>Acres</u>	<u>Change</u>
Total Land and Water	37,631.3			
Total Water	28,298.6			
Restricted Water	76.3			
Open Recreation Water	28,222.2			
Land	9,332.7			
High Density	1,018.5	11%	-365.8	-4%
Low Density	186.6	2%	186.6	2%
Environmentally Sensitive	7,366.0	79%	5,308.1	57%
Project Operations	339.3	4%	-39.2	0%
			-	
Wildlife Management	289.0	3%	5,072.3	-54%
Vegetative Management	133.2	1%	133.2	1%
Mitigation	0	0.0%	0	0.0%

Selected Alternative

Alternative 2 (Selected -		<u>%of</u>	<u>+/-</u>	<u>% +/-</u>
Moderate Conservation)	<u>Acres</u>	Land	<u>Acres</u>	<u>Change</u>
Total Land and Water	37,631.3			
Total Water	28,298.6			
Restricted Water	76.3			
Open Recreation Water	28,222.2			
Land	9,332.7			
High Density	1,018.5	11%	-365.8	-4%
Low Density	243.6	3%	243.6	3%
Environmentally Sensitive	2,898.1	31%	840.2	9%
Project Operations	339.3	4%	-39.2.0	0%
Wildlife Management	4,700.0	50%	-661.3	-7%
Vegetative Management	133.2	1%	133.2	1%

		<u>% of</u>
Alternative 3 (No Action)	<u>Acres</u>	<u>Land</u>
Total land and Water	37,631.3	
Total Water	28,298.6	
Restricted Water	76.3	
Open Recreation Water	28,222.2	
Land	9,332.8	
High Density Recreation	1,384.3	15%
Low Density Recreation	0.0	0%
Environmentally Sensitive	2,058.0	22%
Project Operations	378.5	4%
Wildlife Management	5,361.3	57%
Vegetative Management	0.0	0%
No Allocation	150.6	2%
Mitigation	0.0	0%

		<u>%of</u>	+/-	<u>% +/-</u>
Alternative 4 (Minimum Conservation)	<u>Acres</u>	Land	<u>Acres</u>	Change
Total Land and Water	37,631.3			
Total Water	28,298.6			
Restricted Water	76.3			
Open Recreation Water	28,222.2			
Land	9,332.7			
High Density	1,054.0	11%	-330.4	-4%
Low Density	663.5	7%	663.5	7%
Environmentally Sensitive	2,729.0	29%	671.1	7%
Project Operations	339.3	4%	-39.2	0%
Wildlife Management	4,413.7	47%	-947.6	-10%
Vegetative Management	133.2	1%	133.2	1%

No Action Lands Converted to Selected Alternative Lands

	CONVERTED	_		% of NO		
NO ACTION	<u>T0</u>	SELECTED	ACRES	ACTION	NO ACTION	ACRES
NO ALLOCATION		LOW DENSITY	12.3	8.2%	LOW DENSITY	0.0
		ENVIRONMENTALLY SENSITIVE	92.0	61.1%	ENVIRONMENTALLY SENSITIVE	2,058.0
		HIGH DENSITY RECREATION	2.5	1.6%	HIGH DENSITY RECREATION	1,384.3
		WILDLIFE MANAGEMENT	40.2	26.7%	WILDLIFE MANAGEMENT	5,361.3
		VEGETATION MANAGEMENT	0.0	0.0%	VEGETATION MANAGEMENT	0.0
		PROJECT OPERATIONS	3.6	2.4%	PROJECT OPERATIONS	378.5
					NO ALLOCATION	150.6
WILDLIFE MANAGEMENT		LOW DENSITY	57.0	1.1%	Total	9,332.7
		ENVIRONMENTALLY SENSITIVE	1110.0	20.7%		
		HIGH DENSITY RECREATION	3.1	0.1%		
		WILDLIFE MANAGEMENT	4191.2	78.2%		
		VEGETATION MANAGEMENT	0.0	0.0%		
		PROJECT OPERATIONS	0.0	0.0%		
ENVIRONMENTALLY SENSITIVE		LOW DENSITY	72.6	3.5%		
		ENVIRONMENTALLY SENSITIVE	1397.4	67.9%		
		HIGH DENSITY RECREATION	259.2	12.6%		
		WILDLIFE MANAGEMENT	181.5	8.8%		
		VEGETATION MANAGEMENT	130.9	6.4%		
		PROJECT OPERATIONS	16.3	0.8%		
HIGH DENSITY RECREATION		LOW DENSITY	102.5	7.4%		
		ENVIRONMENTALLY SENSITIVE	263.8	19.1%		
		HIGH DENSITY RECREATION	680.4	49.2%		
		WILDLIFE MANAGEMENT	287.0	20.7%		
		VEGETATION MANAGEMENT	2.4	0.2%		
		PROJECT OPERATIONS	48.3	3.5%		
PROJECT OPERATIONS		LOW DENSITY	0.0	0.0%		
		ENVIRONMENTALLY SENSITIVE	34.1	9.0%		
		HIGH DENSITY RECREATION	73.4	19.4%		
		WILDLIFE MANAGEMENT	0.01	0.0%		
		VEGETATION MANAGEMENT	0.0	0.0%		
		PROJECT OPERATIONS	271.1	71.6%		
		Total=	9332.7			



Figure 3-1 Percentage of Land Classifications for Each Alternative.







3.1 Maximum Conservation (Alternative 1)

Alternative 1, compared to the No Action, would reduce High Density lands from 1384.3 acres to 1018.5 acres (15% of total land area to 11%), classify 7366 acres (79%) as Environmentally Sensitive Areas, reduce Project Operations acreage from 378.5 to 339.3, and reduce Wildlife Management lands from 5361.3 acres to 289 acres, a reduction of 54%. Vegetative Management lands were changed from 0% in the No Action alternative to 133.2 acres (1%). Existing permitted shoreline uses would be grandfathered but there would be no new shoreline use permits issued.

This alternative would create more protected shoreline than all other alternatives, as evidenced by the 7,366 acres (79% of total shoreline) reclassified as Environmentally Sensitive lands.

3.2 Moderate Conservation- (Alternative 2, Selected)

Under Alternative 2, the land classifications were revised to reflect current management practices and responses to agency and public comments received during the scoping phase. Changes included reclassifying undeveloped High Density land classifications (i.e. future/closed Corps parks) to other land classifications; reclassifying undeveloped Low Density land to Wildlife Management, Project Operations, or Environmentally Sensitive Area; and reclassifying lands that contained active shoreline use permits to Low Density.

Alternative 2 proposes 1,018.5 acres in High Density recreation, representing a 365.8 acre decrease from the No Action Alternative. Low Density lands total 243.6 acres, representing an increase of 243.6 acres from the No Action Alternative. Environmentally Sensitive lands are increased by 840.2 acres, to 2,898.1 acres, and Wildlife Management is reduced by 661.3 acres to 4,700 acres. There is a gain of 133.7 acres in the Vegetative Management lands classification, primarily due to allocating 150.6 acres of unallocated land in the No Action Alternative to this and Environmentally Sensitive lands. Table 3-2 provides a comparison of alternatives in relation to Alternative 2.

3.3 No Action (Alternative 3)

The No Action Alternative land classification, which is based on the 1964 master plan, does not accurately reflect the land use activities or resource management of the lake. In addition, this alternative does not address resource management laws, policies, and regulations that were implemented after the 1964 Millwood Lake Master Plan.

Operation and management of Millwood Lake would continue as outlined in the current Master Plan Update, which designates 1,384.3 acres as High Density recreation and 0 acres as Low Density recreation. There are 2,058 acres classified as Environmentally Sensitive areas, 378.5 acres as Project Operations, 5,361.3 acres as Wildlife Management, 0 acres in the Vegetative Management land category, and 150.6 acres that currently have no allocation.

High Density recreation refers to lands developed for intensive recreational activities for the visiting public including day use areas and/or campgrounds. These could include areas for concessions (marinas, commercial concessions, etc), and quasi- public development.

Low Density recreation lands have minimal development or infrastructure that supports a passive

public recreational use (e.g. primitive camping, fishing, hunting, trails, wildlife viewing, resorts, etc.).

Environmentally Sensitive areas include those lands where scientific, ecological, cultural or aesthetic features have been identified. Designation of these lands is not limited to just lands that are otherwise protected by laws such as the Endangered Species Act, the National Historic Preservation Act or applicable State statutes. These areas must be considered by management to ensure they are not adversely impacted. Typically, limited or no development of public use is allowed on these lands. No agricultural or grazing uses are permitted on these lands unless necessary for a specific resource management benefit, such as prairie restoration. These restoration areas are typically distinct parcels located within another, and perhaps larger, land classification area.

The Project Operations category includes those lands required for the dam, spillway, switchyard, levees, dikes, offices, maintenance facilities, and other areas that are used solely for the operation of the project.

Wildlife Management lands are designated for stewardship of fish and wildlife resources. Vegetative management lands are designated for stewardship of forest, prairie, and other native vegetative cover.

3.4 Minimum Conservation (Alternative 4)

Alternative 4 would classify more lands that contained roads, utility lines, and shoreline use permits to a Low Density land classification. Many future Corps parks would be reclassified from High Density to predominantly Low Density land classification.

This alternative would allow additional low density development above the amount proposed under Alternative 2, mostly due to conversion of Wildlife Management acres to Low Density classification. High Density lands would be increased by 36 acres as compared to Alternative 2, resulting in 1,054 acres being classified as High Density. Low Density lands would be increased by 390 acres, which increases that acreage to 663.5 acres. The increase in Low Density as compared to Alternative 2 would primarily come from a reduction in land classified as Environmentally Sensitive (decreased by 169 acres to 2,729 acres), and as Wildlife Management (decreased by 286 to 4,414 acres).

Land Classificatio	Alterna Maximu	ative 1 – Alternativ um Moderate		Ve 2 – Alternative No Action		ve 3 – n	e 3 – Alternative 4 – Minimum	
n	Conser	vation	Conserva	ition			Conservation	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
High Density	1,018. 5	11	1,018.5	11	1,384.3	15	1,054	11
Low Density	186.6	2	243.6	3	0	0	663.5	7
Environmenta Ily Sensitive	7,366	79	2,898.1	31	2,058	22	2,729	29
Project Operations	339.3	4	339.3	4	378.5	4	339.3	4
Wildlife Management	289	3	4,700	50	5,361.3	57	4,413. 7	28
Not Allocated	0	0	0	0	150.6	2	0	
Change compa 3	red to Alt	ternative	Decrease	Increase		No C	Change	

Table 3-2 Comparison of Alternatives and Change Compared to Alternative 3

4. AFFECTED ENVIRONMENT

4.1 Project Setting

Millwood Lake is a reservoir created by Millwood Dam at the junction of the Saline and Little River (NM 16 on Little River), which is located approximately nine miles east of Ashdown, Arkansas. The Little River, a tributary of the Red River, has a total length of 217 miles, with 130 miles in southeastern Oklahoma and 87 miles in southwestern Arkansas. The drainage basin of the river totals 4204 square miles, with 2204 square miles in Oklahoma and 2036 square miles in Arkansas. The lake is located in southwest Arkansas, primarily in Sevier County, but is bordered by Little River, Hempstead and Howard counties (Figure 2-1). A more detailed description of the project location and area is provided in the following sub-sections.

4.2 Climate

Climate within the Millwood Lake watershed is temperate, with summer extremes lasting for longer periods throughout southwest Arkansas, and winter temperatures are typically mild. Extremes may vary from lows around 22°F in the winter months to highs above 100°F during the summer. Extreme temperatures may occur for short periods of time at any location within the watershed. Heavy rainfall events are common. Average annual rainfall over the watershed varies from 50 to 52 inches. Monthly rainfall varies from 3.5 inches in the summer months to 4 to 5 inches in the winter and spring. Snowfall each year averages less than an inch during the winter.

Climate change is an area of concern due to the potential for effects on many aspects of the environment, especially those related to water resources. The U.S. Global Change Research Program (USGCRP) summarized information regarding climate change and its potential effects in regional assessments (http://www.globalchange.gov/publications/reports/scientific-assessments/us-

impacts). In the Midwest, which extends from Minnesota to Missouri, extreme events such as heat waves, droughts and heavy rainfall events are projected to occur more frequently. Should these events become significant enough to impact the operation of Millwood Lake, the Master Plan and associated documents (i.e. Operations Management Plan and Shoreline Management Plan) would be reviewed and revised, if necessary.

4.3 Topography, Geology, and Soils

The topography in the upper northern watershed of Millwood Lake includes steep inclines typical of the Ouachita Mountains. This portion of the watershed has a rugged topography, with average relief of several hundred feet and some areas that exceed 1700 feet in elevation. The southern portion of the watershed around Millwood Lake lies within The Gulf Coastal Plain, which is an area of low relief, seldom exceeding 100 feet in elevation, and consists of gently rolling to hilly terrain.

The Ouachita Mountain Geologic Province is underlain mainly by Paleozoic sedimentary rocks composed mainly of shale, chert, sandstone, conglomerates, novaculite and volcanic tuff. The Stanley Shale is the most widespread formation in the Ouachita Mountains, The oldest rock forms occur in the northern portion of the province, and consist of Ordovician Polk Creek Shale, Silurian Missouri Mountain Shale, and Blaylock Sandstone. The Devonian Arkansas Novaculite is also exposed in this area of the watershed. In the southern Ouachita Mountains, the Jackfork Sandstone occurs, primarily in major mountain ridges. The geology of the Gulf Coastal Plain in the lower watershed generally consists of unconsolidated to semi-consolidated deposits of Cretaceous age sand, clay, marl, and gravel overlain by Quaternary terrace and alluvial deposits. Surface materials are generally unconsolidated top, semi-consolidated sand and clay. Figures 4-1 and 4-2 depict ecoregion and geological formations located in the Millwood Lake area.



Figure 4-1 Ecoregions Bordering Millwood Lake



Figure 4-2 Geology of Millwood Lake Watershed

The major soil groups in the Ouachita Mountains portion of the Millwood Lake watershed are Carnasaw-Clebit-Sherless and Yanush-Avant-Bigfork. These soils are deep and tend to be gravelly and/or stony. The major soil groups of the Gulf Coastal Plain in the southern watershed include clays, silt loams and fine sandy silt loams. These soils are usually very deep. Alluvial soils occur in the floodplains along the Little River, and the other major tributaries, including the Rolling Fork, lower Cossatot, Saline River and Mine Creek. Major soil groups associated with the Blackland Prairie are also present in the lower watershed.

Soil surveys as published by the Natural Resource Conservation Service (NRCS) are available for all the counties located in the Millwood Lake watershed. These could be utilized for developing specific resource management plans for the Operational Management Plan. Soil conservation and management are major considerations when planning natural resource and recreation management practices. While soil movement is influenced by climate, soil type, and topography, which are uncontrollable, it can also be negatively influenced by compaction, modification of vegetative cover, and very high lake pool elevations which increase wave action and inundation of unprotected shoreline.

4.4 Aquatic Environment

4.4.1 Hydrology and Groundwater

Millwood Lake is located on the Little River and was formed by the construction of the Millwood Dam at mile 16 in Hempstead and Little River Counties, Arkansas. Dam construction began in 1961 and was completed in 1966. The elevation of the top of the conservation pool is 259.2 feet NGVD29 with the flood pool being at 287 feet NGVD29. The conservation pool top area is approximately 29,200 surface acres and the flood pool top area is approximately 92,500 surface acres. The shoreline length of the design conservation pool is approximately 78 miles. Millwood Lake is located within the Little River Drainage Basin, which drains approximately 4,114 square miles in southwest Arkansas and southeast Oklahoma. Millwood Lake has an average depth of 9 feet. The total water storage capacity of Millwood Lake is 2,623,200 acre-feet, with 1,854,900 acre-feet of flood control storage, 204,970 acre-feet of conservation storage, and 51,710 acre-feet of inactive storage.

Most ground water withdrawn from water wells occurs in the Quaternary age alluvium associated with the Red River and its tributaries, the Nacatoch Sand the Ozan Formation, the Tokio Formation and the Trinity Group, all of Cretaceous age. All but the Ozan aquifer have been, or are being, used as a significant source of water supply in the southern watershed of the Millwood Lake area., with the Tokio Formation aquifer being used most often.

4.4.2 Water Quality

Overall surface water quality in the Millwood Lake area is good and the lake has been designated as suitable for primary and secondary contact, municipal, industrial, and agricultural water supply by the Arkansas Department of Energy and Environment (ADEE). The waters of the Arkansas portion of the Little River watershed have all been designated by the ADEE for fisheries, primary and secondary contact recreation, and domestic, agricultural, and industrial water supplies (ADEE, 2012). Millwood Lake is classified by ADEE as a Type E water body, which includes most larger lowland lakes of generally 1000 to 30,000 acres in size, located in the Delta, Gulf Coastal Plains and Arkansas River Valley ecoregions. Average depth in Type E lakes is usually less than 10 feet. The watersheds of Type E lakes contain a mixture of row crop agriculture, confined animal

operations, pastureland and some forestlands.

The Environmental Quality Branch of ADEE have been conducting quarterly water chemistry profiles on Millwood Lake at two locations, one in the upper lake and one near the dam, since 2011. In addition to the chemical analyses, field data, including dissolved oxygen, temperature, and pH were collected. The data reflect the nature of the watershed by reflecting elevated turbidity and chlorophyll A at certain times during the years. Sedimentation and nutrient influx from the feeder streams is a major issue for water quality in the lake. Wave action due to wind and boating activity resuspends bottom sediments from this shallow lake, creating turbidity in the water column. Turbid water absorbs more sunlight, which elevates water temperatures, and excess nutrients promote algae and aquatic vegetation growth.

4.4.3 Fish Species and Habitat

The impoundment of the Little River and other tributary streams and rivers which form Millwood Lake and other watershed lakes, resulted in changes in the composition of the fish populations. Impoundments alter fish composition by reducing flow dependent riverine species and gaining more static water lake species. Arkansas Game and Fish Commission (AGFC) is the agency primarily responsible for managing the fishery and through their efforts, a variety of fish species are well-established in the lake. Sport fish species currently found include largemouth bass, spotted bass, white bass, striped bass, flathead catfish, channel catfish, white crappie, black crappie, and various species of sunfish. Due to the quality and diversity of the fishery, Millwood Lake serves as a national fishing destination, hosting many bass tournaments and fishing derbies annually.

Millwood Lake was first impounded in 1966 and most of the standing timber was retained after the impoundment. Since impoundment, the standing timber that was submerged provides structure and forage habitat for fish. Several boating lanes have been established since impoundment, which provides fishermen access to the standing timber habitat.

4.5 Terrestrial Resources

4.5.1 Wildlife

White-tailed deer is the most common big game animals found and hunted in the Millwood Lake area. Wild turkey, although present, are rarely seen in the area. Black bears have been translocated into Felsenthal National Wildlife Refuge, located southeast of Millwood Lake, so occasional bear sightings may become common in the area. American alligator has also increased in numbers in and around Millwood Lake and provide hunters with a permitted hunting season. The principal small game species found in the open upland areas include bobwhite quail, cottontail rabbit, and mourning dove. Gray and fox squirrels are common in upland wooded areas and are also popular for sportsmen. Furbearing animals found in the Millwood Lake area include coyote, red fox, gray fox, otter, mink, muskrat, beaver, bobcat, and raccoon. Habitat management that includes wildlife food plot plantings, mowing, soil disturbance, removal of exotic species and application of prescribed fire provide benefit to these populations.

Birding enthusiasts are provided an excellent opportunity for viewing in the Millwood Lake area. Of the over 400 birds on the state list, 331 have been recorded around Millwood Lake. A wide variety of species of conservation concern breed here including Hooded Merganser, Osprey, Redheaded Woodpecker, Brown-headed Nuthatch, Prothonotary Warbler, and Painted Bunting. The lake is especially well known for its water birds: Anhinga, Tricolored Heron, Black-crowned Night-Heron, Yellow-crowned Night-Heron, White Ibis, Wood Stork, Purple Gallinule, and Common Moorhen. Thousands of American White Pelicans, Franklin's Gulls, and Tree Swallows forage here during migration. Other species identified here include all three jaegers, Black-headed Gull, Black-legged Kittiwake, Bridled Tern, Couch's Kingbird, Cave Swallow, Rock Wren, Northern Wheatear, and Snow Bunting. Canada geese, gadwall American wigeon, mallards, blue and green winged teal, shoveler, pintail, ring necked ducks, lesser scaup, common goldeneye and ruddy ducks are all common migratory waterfowl species visiting Millwood Lake. These duck species are sometimes present in large numbers due to the shallow water and ample food sources around the lake shoreline.

4.5.2 Vegetation

The Gulf Coastal Ecoregion around Millwood Lake is characterized by three sub-ecoregion types. Flood plains and low terraces lie adjacent to the lake on the north, while the western adjacent watershed is characterized by Blackland prairie and cretaceous dissected uplands. The adjacent watershed on the east side of the lake is primarily Blackland prairie. Vegetation types within these sub-regions include forested wetlands and pasture lands north of the lake, some oak-hickory-pine forests interspersed with pasture lands in the cretaceous dissected uplands west of the lake, and the black land prairie sub region east of the lake being dominated by hay lands and pasture lands. Some remnants of natural prairie remain in this area. USACE conducts a prescribed fire program to help to maintain these specialized vegetative ecosystems in the Millwood Lake area. Along the rivers, streams, and lake shores the riparian habitats are characterized by wetland hardwood species such as oak, sweet gum, cypress, elm, birch, ash and cottonwood. Pockets of invasive aquatic plant species are common in inlets and coves around the lake. Periodic drawdowns of the lake have been employed to aid in control of these plant species, as well as use of biological control measures.

4.6 Wetlands

Wetlands are complex habitats that are transitional from dry land to open water, and they have soil, water, and plant components. Wetlands are defined as those areas inundated or saturated by surface or ground water at a frequency and duration to support a prevalence of vegetation typically adapted for life in saturated soil conditions. Many common species of waterfowl, fish, birds, mammals, and amphibians also live in wetlands during certain stages of their lives.

Millwood Lake wetland areas are classified as lacustrine (open water-approximately 28, 300 acres), and palustrine (standing dead timber and vegetated shorelines). Palustrine wetlands include freshwater ponds (included in lacustrine acres), fresh water emergent (approx. 22 acres), and shoreline wetlands, which include a mixture of scrub/shrub (6 meters or less in height) or forested wetland species of greater than 6 meters in height. These forested/shrub type wetlands occupy approximately 4,638 acres in the project area. Common woody wetland species typically include buttonbush, willow, green ash, hackberry, elm, willow oak, water oak, overcup oak, sweetgum, and river birch. Some locations may have cypress as well. Palustrine forested/shrub wetlands also occur in the feeder streams' floodplains and are called riverine wetlands.

4.7 Threatened and Endangered Species

There are many species in the Gulf Coastal Ecoregion that are considered either threatened,

endangered, or state species of concern. Species become listed for a variety of reasons including over-hunting, over-fishing, and habitat loss as a result of human development and pollution; of these, habitat loss is the main contributor that imperils most species. A threatened species is one that is likely to become endangered within the foreseeable future. An endangered species is one in danger of extinction throughout all or a significant portion of its range. The bald eagle (Halieetus *leucocephalus*) is common during the winter months around Millwood Lake. In addition, several bald eagle nests are located around the lake. Although the bald eagle was delisted by USFWS in 2007 due to recovery of the species, both the bald and golden eagles are still protected in accordance with the Bald and Golden Eagle Protection Act.

Table 4-1 lists species known to occur on project lands as reported from the U.S. Fish and Wildlife Service's federally classified status list of species and the Arkansas Natural Heritage data set.

Common Name	Scientific Name	Status
Piping Plover	Charadrius melodus	Endangered
Red Knot	Calidriou carnutus rufa	Endangered
Eastern Black Rail	Laterallus jamaicensis	Endangered
Ouachita Rock Pocketbook	Arkansia wheeleri	Endangered
Pink mucket	Lampsilis abrupta	Endangered
Rabbitsfoot	Quadrula cylindrica	Threatened
Bald Eagle	Haliaeetus leucocephalus	Protected
Source: U.S. Fish and Wildlife Service IPAC		

Table 4-1 Threatened, Endangered, and Species of Concern

SNAMESCOMMAPGRANKSRANKUSESASTATESTATNERODIA CYCLOPIONMISSISSIPPI GREEN WATERSNAKEG5S3INVSTYPHINOLOBIUM AFINEEVE'S NECKLACEG4S233INVSTENOSIPHON LINIFOLIUSFALSE GAURAG5S11STPYRRHOPAPUS PAUCIFLORUSFEW-FLOWER FALSE DANDELIONG5S122INVPANDION HALIAETUSOSPREYG5S11B, S4NINVHALIAETUS LEUCOCEPHALUSBALD EAGLEG5S18, S4NINVSTENOSIPHON LINIFOLIUSFALSE GAURAG5S1STNEMASTYLIS GEMINIFLORACELESTIAL-LILYG4S3INVGALLINUL GALEATACOMMON GALLINULEG5S18, S2NINVGALLINUL GALEATACOMMON GALLINULEG5S18, S2NINVASTRAGALUS CRASSICARPUS VAR. CRASSICARPUSPURPLE GROUND-PLUMGST5S2INVRIVER FRONT FORESTGNRG33INVSTSTDELPHINIUM CAROLINIANUM SSP. VIRESCENSPLAINS LARKSPURG5T5S2INVREGIDA SINICOLAGULF CRAYFISH SNAKEG55S1INVARKANSIA WHELERIOUACHITA ROCK POCKETBOOKG1S1INVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVMUSTORATABALD EAGLEGSTS2INVREGINA RIGIDA SINICOLAFURPLE GALLINULEG5S1BINVMORPHA PANICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVMUDAGOTORTIFOLIATHIS	ANHC DATA OBTAINED 2014-SPECIES LOCATED ON OR INTERSECT CORPS PROPERTY						
NERODIA CYCLOPIONMISSISSIPPI GREEN WATERSNAKEG5S3INVSTYPHNOLOBIUM AFFINEEVE'S NECKLACEG4S233INVSTENOSIPHON LINIFOLIUSFALSE GAURAG5S1STPRRHOPAPPUS PAUCIFLORUSFEW-FLOWER FALSE DANDELIONG5S122INVPANDION HALIAETUSOSPREYG5S1B, S4NINVHALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S2B, S4NINVSTENOSIPHON LINIFOLIUSFALSE GAURAG5S1STNEMASTYLIS GEMINIFLORACELESTIAL-LILYG4S3INVLOWLAND PINE-OAK FORESTCOMMON GALLINULEG5S1B, S2NINVGALLINULA GALEATACOMMON GALLINULEG5S2INVASTRAGALUS CRASSICARPUS VAR. CRASSICARPUSPURPLE GROUND-PLUMGST5S2INVAMORPHA PANICULATAPANICLED INDIGO-BUSHG2G3S1STDELPHINIUM CAROLINIANUM SSP. VIRESCENSPLAINS LARKSPURGST5S3INVARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FORGIOVEG3S1INVAGALINIS AURICULATAEAR-LEAF FALSE FORGIVEG3S1INVAGALINIS AURICULATAEAR-LEAF FALSE FORGIVEG3S1INVAGALINIS AURICULATABALD EAGLEG5S2INVHALAEETUS LEUCOCEPHALUSBALD EAGLEG1S1INVVE	SNAME	SCOMNAME	GRANK	SRANK	USESA	STATESTAT	
STYPHNOLOBIUM AFFINEEVE'S NECKLACEG4S253INVSTENOSIPHON LINIFOLIUSFALSE GAURAG5S1STPYRRHOPAPPUS PAUCIFLORUSFEW-FLOWER FALSE DANDELIONG5S152INVPANDION HALIAETUSOSPREYG5S1B, S4NINVHALIAETUSBALD EAGLEG5S2B, S4NINVHALIAETUSEUCOCEPHALUSBALD EAGLEG5S11STNEMASTYLIS GEMINIFLORACELESTIAL-LILYG4S3INVGALLINULA GALEATACOMMON GALLINULEG5S1B, S2NINVASTRAGALUS CRASSICARPUS VAR. CRASSICARPUSPURPLE GROUND-PLUMG5TSS2INVAMORPHA PANICULATAPANICLED INDIGO-BUSHG2G3S1STDELPHINIUM CAROLINIANUM SSP. VIRESCENSPLAINS LARKSPURG5TSS2INVREGINA RIGIDA SINICOLAGULF CRAYFISH SNAKEG5TSS3INVARARSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S18INVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVSOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5S2INVHALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S18INVSOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5S2INVHALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S18INVVEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINV <t< td=""><td>NERODIA CYCLOPION</td><td>MISSISSIPPI GREEN WATERSNAKE</td><td>G5</td><td>S3</td><td></td><td>INV</td></t<>	NERODIA CYCLOPION	MISSISSIPPI GREEN WATERSNAKE	G5	S3		INV	
STENOSIPHON LINIFOLIUSFALSE GAURAG5S1STPYRRHOPAPPUS PAUCIFLORUSFEW-FLOWER FALSE DANDELIONG5S152INVPANDION HALIAETUSOSPREYG5S18, S4NINVHALIAETUS LEUCOCEPHALUSBALD EAGLEG5S2B, S4NINVSTENOSIPHON LINIFOLIUSFALSE GAURAG5S1STNEMASTYLIS GEMINIFLORACELESTIAL-LILYG4S3INVLOWLAND PINE-OAK FORESTCOMMON GALLINULEG5S1B, S2NINVASTRAGALUS CRASSICARPUS VAR. CRASSICARPUSPURPLE GROUND-PLUMG5T5S2INVAMORPHA PANICULATAPANICLED INDIGO-BUSHGG75S2INVAMORPHA PANICULATAPANICLED INDIGO-BUSHG5T5S2INVREGINA RIGIDA SINICOLAGULF CRAYFISH SNAKEG5T5S3INVARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVMACINTARASIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINCUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVMEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRS	STYPHNOLOBIUM AFFINE	EVE'S NECKLACE	G4	S2S3		INV	
PYRRHOPAPPUS PAUCIFLORUSFEW-FLOWER FALSE DANDELIONG5S152INVPANDION HALIAETUSOSPREYG5S1B, 54NINVHALIAETUS LEUCOCEPHALUSBALD EAGLEG5S2B, 54NINVSTENOSIPHON LINIFOLIUSFALSE GAURAG5S1STNEMASTYLIS GEMINIFLORACELESTIAL-LILYG4S3INVLOWLAND PINE-OAK FORESTGNRS1INVGALLINULA GALEATACOMMON GALLINULEG5S1B, 52NINVASTRAGALUS CRASSICARPUS VAR. CRASSICARPUSPURPLE GROUND-PLUMG5T5S2INVAMORPHA PANICULATAPANICLED INDIGO-BUSHG2G3S1STDELPHINIUM CAROLINIANUM SSP. VIRESCENSPLAINS LARKSPURG5T5S2INVREGINA RIGIDA SINICOLAGULF CRAYFISH SNAKEG5T5S3INVARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVVEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INV	STENOSIPHON LINIFOLIUS	FALSE GAURA	G5	S1		ST	
PANDION HALIAETUSOSPREYG5\$1B, \$4NINVHALIAETUS LEUCOCEPHALUSBALD EAGLEG5\$2B, \$4NINVSTENOSIPHON LINIFOLIUSFALSE GAURAG5\$1STNEMASTVLIS GEMINFLORACELESTIAL-LILYG4\$3INVLOWLAND PINE-OAK FORESTCOMMON GALLINULEG5\$1B, \$2NINVGALLINULA GALEATACOMMON GALLINULEG55\$22INVASTRAGALUS CRASSICARPUS VAR. CRASSICARPUSPURPLE GROUND-PLUMG5T5\$2INVAMORPHA PANICULATAPANICLED INDIGO-BUSHG2G3\$1STDELPHINIUM CAROLINIANUM SSP. VIRESCENSPLAINS LARKSPURG5T5\$2INVARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1\$1LESEPORPHYRIO MARTINICUSPURPLE GAULINULEG5\$1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3\$1INVSOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5\$2INVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVVEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PAIRIEGNRSNRINVPENSTEMON COBAEASHOWY BEARDTONGUEG4\$3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4\$3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4\$3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4\$3INVPENSTE	PYRRHOPAPPUS PAUCIFLORUS	FEW-FLOWER FALSE DANDELION	G5	S1S2		INV	
HALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S2B, S4NINVSTENOSIPHON LINIFOLIUSFALSE GAURAG5S1STNEMASTYLIS GEMINIFLORACELESTIAL-LILYG4S3INVLOWLAND PINE-OAK FORESTCOMMON GALLINULEG5S1B, S2NINVASTRAGALUS CRASSICARPUS VAR. CRASSICARPUSPURPLE GROUND-PLUMG5T5S2INVASTRAGALUS CRASSICARPUS VAR. CRASSICARPUSPURPLE GROUND-PLUMG5T5S2INVRIVER FRONT FORESTGNRS3INVAMORPHA PANICULATAPANICLED INDIGO-BUSHG2G3S1STDELPHINIUM CAROLINIANUM SSP. VIRESCENSPLAINS LARKSPURG5T5S2INVREGINA RIGIDA SINICOLAGULF CRAYFISH SNAKEG5T5S3INVARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVSOLIDAGO TORTIFOLIATVIST-LEAF GOLDENRODG4G5S2INVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVVEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVVEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVCHRYSEMYS DORSALISSOUTHERN PAINTED TURTLE <td< td=""><td>PANDION HALIAETUS</td><td>OSPREY</td><td>G5</td><td>S1B, S4N</td><td></td><td>INV</td></td<>	PANDION HALIAETUS	OSPREY	G5	S1B, S4N		INV	
STENOSIPHON LINIFOLIUSFALSE GAURAG5S1STNEMASTYLIS GEMINIFLORACELESTIAL-LILYG4S3INVLOWLAND PINE-OAK FORESTGNMON GALLINULEG5S1B, S2NINVGALLINULA GALEATACOMMON GALLINULEG5S1B, S2NINVASTRAGALUS CRASSICARPUS VAR. CRASSICARPUSPURPLE GROUND-PLUMG5T5S2INVMIVER FRONT FORESTGNRS3INVAMORPHA PANICULATAPANICLED INDIGO-BUSHG2G3S1STDELPHINIUM CAROLINIANUM SSP. VIRESCENSPLAINS LARKSPURG5T5S2INVREGINA RIGIDA SINICOLAGULF CRAYFISH SNAKEG5T5S3INVARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S18INVSOLIDAGO TORTIFOLIATWIST-LEAF FALSE FOXGLOVEG3S1INVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVVEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNUTHERN PAINTED TURTLEG5S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVCHRYSEMYS DORSALISSOUTHERN PAINTED TURTLEG5S13INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S1	HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G5	S2B, S4N		INV	
NEMASTYLIS GEMINIFLORACELESTIAL-LILYG4S3INVLOWLAND PINE-OAK FORESTGNRS1INVGALLINULA GALEATACOMMON GALLINULEG5S1B, S2NINVASTRAGALUS CRASSICARPUS VAR. CRASSICARPUSPURPLE GROUND-PLUMG5T5S2INVASTRAGALUS CRASSICARPUS VAR. CRASSICARPUSPURPLE GROUND-PLUMG5T5S2INVAMORPHA PANICULATAPANICLED INDIGO-BUSHG2G3S1STDELPHINIUM CAROLINIANUM SSP. VIRESCENSPLAINS LARKSPURG5T5S2INVREGINA RIGIDA SINICOLAGULF CRAYFISH SNAKEG5T5S3INVARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVSOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5S2L, S4NINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVVEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINDORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIOU DRUMMONDIIDRUMMONDIS WILD ONIONG5S1	STENOSIPHON LINIFOLIUS	FALSE GAURA	G5	S1		ST	
LOWLAND PINE-OAK FORESTGNRS1INVGALLINULA GALEATACOMMON GALLINULEG5S1B, S2NINVASTRAGALUS CRASSICARPUS VAR. CRASSICARPUSPURPLE GROUND-PLUMGST5S2INVRIVER FRONT FORESTGNRS3INVAMORPHA PANICULATAPANICLED INDIGO-BUSHG2G3S1STDELPHINIUM CAROLINIANUM SSP. VIRESCENSPLAINS LARKSPURGST5S2INVREGINA RIGIDA SINICOLAGULF CRAYFISH SNAKEGST5S3INVARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVSOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5S2INVHALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S1BINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S15.3INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	NEMASTYLIS GEMINIFLORA	CELESTIAL-LILY	G4	S3		INV	
GALLINULA GALEATACOMMON GALLINULEG5S1B, S2NINVASTRAGALUS CRASSICARPUS VAR. CRASSICARPUSPURPLE GROUND-PLUMG5T5S2INVRIVER FRONT FORESTGNRS3INVAMORPHA PANICULATAPANICLED INDIGO-BUSHG2G3S1STDELPHINIUM CAROLINIANUM SSP. VIRESCENSPLAINS LARKSPURG5T5S2INVREGINA RIGIDA SINICOLAGULF CRAYFISH SNAKEG5T5S3INVARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVSOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5S2INVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVVEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVCHRYSEMYS DORSALISSOUTHERN PAINTED TURTLEG5S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S15.S1INVALLIUM DRUMMONDIICRALET-PEAG5S1INV	LOWLAND PINE-OAK FOREST		GNR	S1		INV	
ASTRAGALUS CRASSICARPUS VAR. CRASSICARPUSPURPLE GROUND-PLUMG5T5S2INVRIVER FRONT FORESTGNRS3INVAMORPHA PANICULATAPANICLED INDIGO-BUSHG2G3S1STDELPHINIUM CAROLINIANUM SSP. VIRESCENSPLAINS LARKSPURG5T5S2INVREGINA RIGIDA SINICOLAGULF CRAYFISH SNAKEG5T5S3INVARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVSOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5S2INVHALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S2B, S4NINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGOUTHERN PAINTED TURTLEG5S3INVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGOUTHERN PAINTED TURTLEG5S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	GALLINULA GALEATA	COMMON GALLINULE	G5	S1B, S2N		INV	
RIVER FRONT FORESTGNRS3INVAMORPHA PANICULATAPANICLED INDIGO-BUSHG2G3S1STDELPHINIUM CAROLINIANUM SSP. VIRESCENSPLAINS LARKSPURG5T5S2INVREGINA RIGIDA SINICOLAGULF CRAYFISH SNAKEG5T5S3INVARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVSOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5S2INVHALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S2B, S4NINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVCHRYSEMYS DORSALISSOUTHERN PAINTED TURTLEG5S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	ASTRAGALUS CRASSICARPUS VAR. CRASSICARPUS	PURPLE GROUND-PLUM	G5T5	S2		INV	
AMORPHA PANICULATAPANICLED INDIGO-BUSHG2G3S1STDELPHINIUM CAROLINIANUM SSP. VIRESCENSPLAINS LARKSPURG5T5S2INVREGINA RIGIDA SINICOLAGULF CRAYFISH SNAKEG5T5S3INVARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVSOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5S2INVHALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S2B, S4NINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVVEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	RIVER FRONT FOREST		GNR	S3		INV	
DELPHINIUM CAROLINIANUM SSP. VIRESCENSPLAINS LARKSPURG5T5S2INVREGINA RIGIDA SINICOLAGULF CRAYFISH SNAKEG5T5S3INVARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVSOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5S2INVHALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S2B, S4NINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVCHRYSEMYS DORSALISSOUTHERN PAINTED TURTLEG5S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	AMORPHA PANICULATA	PANICLED INDIGO-BUSH	G2G3	S1		ST	
REGINA RIGIDA SINICOLAGULF CRAYFISH SNAKEG5T5S3INVARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVSOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5S2INVHALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S2B, S4NINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVCHRYSEMYS DORSALISSOUTHERN PAINTED TURTLEG5S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	DELPHINIUM CAROLINIANUM SSP. VIRESCENS	PLAINS LARKSPUR	G5T5	S2		INV	
ARKANSIA WHEELERIOUACHITA ROCK POCKETBOOKG1S1LESEPORPHYRIO MARTINICUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVSOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5S2INVHALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S2B, S4NINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVCHRYSEMYS DORSALISSOUTHERN PAINTED TURTLEG5S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	REGINA RIGIDA SINICOLA	GULF CRAYFISH SNAKE	G5T5	S3		INV	
PORPHYRIO MARTINICUSPURPLE GALLINULEG5S1BINVAGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVSOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5S2INVHALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S2B, S4NINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVCHRYSEMYS DORSALISSOUTHERN PAINTED TURTLEG5S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	ARKANSIA WHEELERI	OUACHITA ROCK POCKETBOOK	G1	S1	LE	SE	
AGALINIS AURICULATAEAR-LEAF FALSE FOXGLOVEG3S1INVSOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5S2INVHALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S2B, S4NINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVCHRYSEMYS DORSALISSOUTHERN PAINTED TURTLEG5S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	PORPHYRIO MARTINICUS	PURPLE GALLINULE	G5	S1B		INV	
SOLIDAGO TORTIFOLIATWIST-LEAF GOLDENRODG4G5S2INVHALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S2B, S4NINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVCHRYSEMYS DORSALISSOUTHERN PAINTED TURTLEG5S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	AGALINIS AURICULATA	EAR-LEAF FALSE FOXGLOVE	G3	S1		INV	
HALIAEETUS LEUCOCEPHALUSBALD EAGLEG5S2B, S4NINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVCHRYSEMYS DORSALISSOUTHERN PAINTED TURTLEG5S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	SOLIDAGO TORTIFOLIA	TWIST-LEAF GOLDENROD	G4G5	S2		INV	
WEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVWEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVCHRYSEMYS DORSALISSOUTHERN PAINTED TURTLEG5S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G5	S2B, S4N		INV	
WEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIEGNRSNRINVCHRYSEMYS DORSALISSOUTHERN PAINTED TURTLEG5S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	WEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIE		GNR	SNR		INV	
CHRYSEMYS DORSALISSOUTHERN PAINTED TURTLEG5S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	WEST GULF COASTAL PLAIN NORTHERN CALCAREOUS PRAIRIE		GNR	SNR		INV	
PENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVPENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	CHRYSEMYS DORSALIS	SOUTHERN PAINTED TURTLE	G5	S3		INV	
PENSTEMON COBAEASHOWY BEARDTONGUEG4S3INVECHINODORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	PENSTEMON COBAEA	SHOWY BEARDTONGUE	G4	S3		INV	
ECHINODORUS BERTEROIUPRIGHT BURHEADG5S1S3INVALLIUM DRUMMONDIIDRUMMOND'S WILD ONIONG5S1INVINDIGOFERA MINIATASCARLET-PEAG5S2ST	PENSTEMON COBAEA	SHOWY BEARDTONGUE	G4	S3		INV	
ALLIUM DRUMMONDII DRUMMOND'S WILD ONION G5 S1 INV INDIGOFERA MINIATA SCARLET-PEA G5 S2 ST	ECHINODORUS BERTEROI	UPRIGHT BURHEAD	G5	S1S3		INV	
INDIGOFERA MINIATA SCARLET-PEA G5 S2 ST	ALLIUM DRUMMONDII	DRUMMOND'S WILD ONION	G5	S1		INV	
	INDIGOFERA MINIATA	SCARLET-PEA	G5	S2		ST	

E = Endangered; S2: Imperiled: Imperiled in the state because of rarity or because of some factor(s) making it very vulnerable to extirpation from the nation or state (1,000 to 3,000)-typically 6 to 20 occurrences or few remaining individuals (1,000 to 3,000); S3: Vulnerable: Vulnerable in the state either because rare and uncommon, or found only in a restricted range (even if abundant at some locations), or because of other factors making it vulnerable: Vulnerable globally either because very rare and local throughout its range, found only in a restricted range (even if abundant at some locations), or because of other factors making it vulnerable: Vulnerable globally either because very rare and local throughout its range, found only in a restricted range (even if abundant at some locations), or because of other factors making it vulnerable to extinction or elimination. Typically, 21 to 100 occurrences or between 3,000 and 10,000 individuals.

4.7.1 Invasive Species

In accordance with Executive Order (EO) 13112, an invasive species means an alien species whose introduction does or is likely to cause economic or environmental harm or harm to human health. Invasive species can be microbes, plants, or animals that are non-native to an ecosystem. In contrast, exotic species, as defined by EO 11987, include all plants and animals not naturally occurring, either presently or historically, in any ecosystem of the United States. Invasive species can take over and out- compete native species by consuming their food, taking over their territory, and altering the ecosystem in ways that harm native species. Invasive species can be accidentally transported, or they can be deliberately introduced because they are thought to be helpful in some way. Invasive species cost local, state, and federal agencies billions of dollars every year. The Millwood Project is being impacted from the spread of invasive species. Locally the project office works with its partners, AGFC, University of Arkansas Extension Services and United States Department of Agriculture, to help stop the spread of these species. Terrestrial invasive species include feral hogs (Sus scrofa), sericea lespedeza (Lespedeza cuneata), Japanese honeysuckle (Lonicera japonica), English ivy (Hedera helix), Trifoliate orange (Citrus trifoliata), Pyracantha, Callery pear (Pyrus calleryana), Privet (Ligustrum), Bull thistle (Cirsium vulgare), and the emerald ash borer (Agrilus planipennis). Aquatic invasive species in Millwood Lake include

Hydrilla, Alligator Weed, and the recently discovered Giant Salvinia. Project rangers post signage in all the recreation areas to communicate the dangers of spreading invasive species on project lands and waters. Rangers also place emerald ash borer traps on project lands to monitor any infestations of this species.

4.8 Archaeological and Historic Resources

4.8.1 Historical Sites

Cottonshed Landing, the one historic site on project land, contains no known remains of structures or other artifacts, so the site is not subject to vandalism or accidental destruction. A sign identifying the site and briefly explaining its significance will be erected in the public-use areas.

4.8.2 Archaeological Sites/Resources

Unlike geological sites archeological sites are highly subject to vandalism and "pothunting," especially in areas where there are heavy concentrations of people. Fortunately, the only known major site located in an area proposed for intensive deployment is at White Cliffs, a new area. The National Park Service and the Arkansas Archeological Survey will be encouraged to complete excavation and salvage operations prior to development of the area. National and State antiquities laws will be enforced by Park Rangers to Discourage unauthorized collecting. The Millwood Lake archeology is important not only to the immediate area, but to the entire Little River System and the Caddoan cultural area. With the exception of Paleo-Indian sites (8,000-14,000 years ago), a complete sequence of human history can be reconstructed at Millwood. Early Archaic (8,000 B.C.), Middle Archaic (3,000 B.C.), Late Archaic, Fourche Maline, Coles Creek, Gibson, and Fulton time periods are all represented. Three archaeological surveys have been conducted by the National Park Service and the Smithsonian Institution in cooperation with the Corps of Engineers and the Bureau of Reclamation. These surveys located 66 sites in the Millwood Lake area. Subsequent discovery of one other important village site has brought the total to 67 documented sites. There are 33 village sites, nine of which have been excavated, and 34 campsites. Information obtained from the surveys and subsequent excavations indicates that the earliest prehistoric occupation in the Millwood Lake area is represented by a small dual-component site dating from approximately 8,000-5,000 B.C. The people who inhabited the area during this period sustained themselves principally by haunting, and to some degree, gathering. Associated with the occupations are side-notched projectile point forms of the early Archaic period. The Late Archaic period (2,000-1,000 B.C.) is represented by three village sites and is recognized by an increased dependence on horticulture. The Caddoan period was the last prehistoric occupation of Millwood. During this time, from possibly 700 A.D. to 1600 A.D., a fairly large village of primarily farming families, could be found. The versatile use of potter by the Caddo people was one of their most outstanding characteristics. The Corps of Engineers will continue to cooperate with the National Park Service and the Arkansas Archeological Survey to encourage the identification and salvage or protection of archeological sites in the project area. Park rangers will be instructed in methods of protecting archeological sites from the public. The sites on project lands are already subject to vandalism by "pothunters" and the need for protection is a reality. Tentative plans are to establish an interpretive center in the project office with a general of the archeological components, supplemented with limited artifact displays. Artifacts that have already been recovered, plus artifacts excavated in the future, will provide an ample source of material. For rotational display, Dioramas or actual reconstructions based on archeological data, would further complement these resources.

Previous Investigations in the Millwood Lake Area

The most recent broad cultural resources inventory for Millwood Lake was conducted in 1988 for the *Cultural Resources Priority Plan for the U.S. Army Engineer District, Little Rock* (Blakely and Bennett, Jr., 1988). Table 4-2 lists previous surveys performed along the Millwood Lake. Table 4-2 includes the most up to date survey information according to the records of the Arkansas Archeological Survey and the Missouri Department of Natural Resources.

Author	Title	Year
Howard, Lynn E	Archeological Survey in	1963
-	Millwood Region of Arkansas	
Spears, Carol, Nancy Myer,	Watershed Summary of	1975
Hester Davis	Archeological and Historic	
	Resources in the White River	
	Basins, Arkansas and	
	Missouri.	
Novick, Lee and Charles	Millwood Lake: An	1979
Cantlry	Archeological Survey of a	
	Portion of Millwood Lake	
	Shoreline.	
Lee, Aubra Lane	Cultural Resources	1986
	Investigations at Millwood	
	Lake, Arkansas	
Blakely, Jeffrey A. and W.J.	Cultural Resources Priority	1988
Bennett Jr.	Plan for the U.S. Army	
	Engineer District	

Table 4-2 Previous Archeological Investigations on Millwood Lake

Recorded Cultural Resources in the Millwood Lake Area

Today, the Millwood Project is home to approximately 138 identified archeological sites made up of camp sites, shelter and cave sites, rock cairns, and earthen mound sites. A vast majority of these sites were submerged by impoundment of the White River. Less than five percent of the known sites within the lake area were investigated any further than documentation. Table 4-3 summarizes the previously recorded resources at Millwood Lake.

	Number of
Type of Site	Sites
Historic	4
Prehistoric	114
Multicomponent	20
Total	138
National Register Eligibility Status	
Not Evaluated	132
Not Eligible	5
Eligible	1

Table 4-3 Previously Recorded Resources at Millwood Lake

4.9 Air Quality

Millwood Lake is located in the Gulf Coastal Plain ecoregion and is close to the Domtar Paper Mill in Ashdown, and the Turk Power Plant in Fulton. While both facilities discharge air quality contaminants, the air quality in the Millwood Lake area is clean with low levels of air emissions below local emission thresholds. There has been one violation of the current National Ambient Air Quality Standards (NAAQS) established by EPA. Air monitoring requirements are established by EPA and are dictated under their guidance and monitoring objectives. Monitoring sites are placed in areas believed to have higher concentration of pollutants, which generally consist of the state's larger metropolitan areas. These areas, called Metropolitan Statistical Areas (MSA's) are defined by the larger population centers and surrounding counties. Based on these guidelines, the TX-AR MSA, covering Bowie County, TX, and Little River and Miller Counties, AR, has an air quality monitoring site, with carbon monoxide, nitrogen dioxide, ozone, sulfur dioxide, small diameter particulate matter (PM2.5), and large diameter particulate matter (PM10) constituents being monitored. The PM2.5 constituent was the only one exceeding EPA standards, resulting in one unhealthy day for sensitive groups in the year 2020 record. Of the 358 days of reported Air Quality Index (AQI) values, there were 270 days of good air quality and 87 days of moderate air quality for the counties comprising the TX-AR MSA of Texarkana, Arkansas and Texarkana, Texas.

4.10 Socio-Economic Resources

Millwood Lake is located entirely within the state of Arkansas, and its physical area is split between four counties: Little River, Hempstead, Howard, and Sevier. The metropolitan area closest to the lake is the Texarkana, Texas (TX)-Arkansas (AR) Metropolitan Statistical Area (MSA), which is located approximately 15 to 20 miles south/southwest of the lake. The Texarkana MSA is made up of Bowie County in Texas and Miller County in Arkansas.

Data from the 2010 Census, the U.S. Bureau of Labor Statistics, and the 2019 American Community Survey were used to summarize socioeconomic conditions in the project area0. Table 4-4 shows 2010 and 2019 population estimates, as well as the estimated annual growth rate for each county in the area. The annual growth rate in recent years (2010-2019) has been largely negative in the zone of influence. The annual growth rate in the zone of influence between 2010 and 2019 was -0.1%. During the same timeframe, the annual growth rate was 0.6% in the United States, 0.3% in Arkansas, 0.3% in Louisiana, 0.5% in Oklahoma, and 1.3% in Texas.

Geographical Area	2010 Population Estimate	2019 Population Estimate	Population Percent Change (2010- 2019)
United States	308,745,538	324,697,795	0.6%
Arkansas	2,915,918	2,999,370	0.3%
Louisiana	4,533,372	4,664,362	0.3%
Oklahoma	3,751,351	3,932,870	0.5%
Texas	25,145,561	28,260,856	1.3%
Zone of Influence	1,224,263	1,214,373	-0.1%
Source: U.S. Bureau of the Census, 2010 Census (2010 Estimate); U.S. Bureau	of the Census, Americ	can Community Surve	y (2019 Estimate);

Table 4-4 Population Estimates and Trends

Figure 4-3 displays the population by age group for the country, states of Arkansas, and the ZOI. In the ZOI, 13% of the population is 0 to 10 years old, another 13% is 10 to 19 years old, 19% is 20 to 34 years old, 12% is 35 to 44 years old, 12% is 45 to 54 years old, 13% is 55 to 64 years old, 10% is 65 to 74 years old, and 8% is 75 years and over. This age distribution is comparable to the state of Arkansas and the U.S.



Figure 4-3 Population Distribution by Age Group (2019)

Key income indicators (median household income and per capita income) are presented in **Error! R** eference source not found. Per capita income for counties in the project area varies but is consistently lower than their respective state, often significantly. Average per capita income

weighted by population for the entire ZOI was \$24,988 in 2019. By comparison, per capita income was \$34,103 in the United States, \$26,577 in Arkansas, \$27,923 in Louisiana, \$28,422 in Oklahoma, and \$31,277 in Texas. In terms of industries, the distribution across the ZOI is similar to that of the U.S. as well as the states surrounding the project area. The largest majority of the ZOI (31%) is employed in the Management, business, science, and arts occupations, followed by 22% in Sales and office occupations, 19% in Service occupations, 17% in Production, transportation, and material moving occupations, and 12% in Natural resources, construction, and maintenance occupations. Compared to the country, the ZOI has slightly less individuals employed in Management, business, science, and arts occupation, transportation, and material moving occupations and slightly more in Production, transportation, and material moving occupations.

Geographica 1 Area	Median Household Income	Per Capita Income	Civilian employed population 16 years and over	Management, business, science, and arts occupations	Service occupations	Sales and office occupations	Natural resources, construction, and maintenance occupations	Production, transportation, and material moving occupations
United States	\$62,843	\$34,103	154,842,185	59,647,283	27,489,501	33,491,626	13,713,796	20,499,979
Arkansas	\$47,597	\$26,577	1,303,490	438,892	220,282	281,025	133,382	229,909
Louisiana	\$49,469	\$27,923	2,033,758	694,364	390,254	447,126	233,659	268,355
Oklahoma	\$52,919	\$28,422	1,772,123	615,904	310,390	392,689	199,411	253,729
Texas	\$61,874	\$31,277	13,253,631	4,867,492	2,288,826	2,937,388	1,433,389	1,726,536
Zone of Influence	NA	\$24,988	496,310	152,920	93,092	108,308	57,764	84,226
Source: U.S. Bureau of the Census, American Community Survey (2019 Estimate)								

Table 4-5 Income and Employment

In counties adjacent to Millwood Lake, tourism and recreation is also an important part of local economies. Recreation at the lake has substantial impact to local economies based on surveys of visitor spending and attendance at Corps projects. Between 2005 and 2019, annual average visitation was 386,000. In 2019, roughly 215,000 people visited Millwood Lake. Though visitation was slightly down compared to previous years, visitors still spent \$7.4 million in local economies within 30 miles of the lake. This spending generated \$6.9 million in business sales revenue and supported about 74 full and part time jobs with \$2.1 million in labor income for local economies.

Executive Order 12898, entitled "Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations," addresses potential disproportionate human health and environmental impacts that a project may have on minority or low-income communities. Thus, the environmental effects of the Project on minority and low-income communities or Native American populations must be disclosed, and agencies must evaluate projects to ensure that they do not disproportionally impact any such community. If such impacts are identified, appropriate mitigation measures must be implemented.

To determine whether a project has a disproportionate effect on potential environmental justice communities (i.e., minority or low-income population), the demographics of an affected population within the vicinity of the Project must be considered in the context of the overall region. Guidance from the Council on Environmental Quality (CEQ) states that "minority populations should be

identified where either: (1) the minority population of the affected areas exceeds 50 percent, or (b) the minority population percentage of the affected area is meaningfully greater than the minority population percentage in the general population or otherappropriate unit of geographic analysis (CEQ 1997)."

Error! Reference source not found.-6 displays Census data summarizing racial and ethnic c haracteristics of the ZOI. Table 4-7 displays poverty indicators for the ZOI. The purpose is to analyze whether the demographics of the affected area differ in the context of the broader region; and if so, do differences meet CEQ criteria for an Environmental Justice community. Based on the analysis, poverty and unemployment are more prevalent in the ZOI than in the states surrounding the lake as well as the United States. Further, the minority population in the ZOI is greater than that of Arkansas, Louisiana, and Oklahoma, though it does not exceed 50 percent.

Area	White alone	Black or African American alone	Hispanic or Latino (of any race)	American Indian and Alaska Native alone	Asian alone	Native Hawaiian and Other Pacific Islander alone	Some other race alone	Two or more races
United States	61%	12%	18%	1%	5%	0%	0%	2%
Arkansas	72%	15%	7%	1%	1%	0%	0%	2%
Louisiana	59%	32%	5%	1%	2%	0%	0%	2%
Oklahoma	66%	7%	11%	7%	2%	0%	0%	7%
Texas	42%	12%	39%	0%	5%	0%	0%	2%
Zone of								
Influence	63%	26%	7%	1%	1%	0%	0%	2%
Source: U.S. Bureau of the Census, American Community Survey (2019 Estimate)								

Table 4-6 Population by Race and Ethnicity, 2019

Table 4-7 also displays the percentage of children (individuals under the age of 18) by county in the ZOI. The purpose of the data is to assess whether the project disproportionally affects the health or safety risks to children as specified by Executive Order (E.O.) 13045 - *Protection of Children from Environmental HealthRisks and Safety Risks* (1997).

Area	Unemployment Rate	Percent of population below poverty line in last 12 months	Percent of Population Under 18 Years Old
United States	3.7%	13.4%	18.5%
Arkansas	3.5%	17.0%	23.7%
Louisiana	4.7%	19.2%	27.2%
Oklahoma	3.1%	15.7%	21.5%
Texas	3.5%	14.7%	20.9%
Zone of Influence	4.0%	20.3%	29.8%

Table 4-7 Poverty Indicators and Number of Children (2019)

Source: Bureau of Labor Statistics (Unemployment); U.S. Bureau of the Census, American Community Survey (2019 Estimate)

4.11 Recreation Resources

The recreational resources of Millwood Lake are considered to be of great importance to this Gulf Coastal region. Tourism and lake visitation are major sources of income for the counties surrounding this lake. USACE has taken advantage of the natural and scenic beauty and constructed a variety of recreational facilities around the lake. The Project offers many recreational activities such as wildlife viewing, boating, fishing, hunting, picnics, and camping, as well as hiking and biking trails. There are 12 public use areas around Millwood Lake operated by the Corps of Engineers, and four additional leased areas. Future development of parks and recreation facilities will follow the guidelines as stated in the Arkansas 2019-2023 SCORP. These criteria furnish guidelines for determining the type and number of facilities needed to satisfy the current and projected demand and also furnishes guidelines for serviceability, operation, and maintenance of facilities. Considerations for the physically handicapped will be included in the design of facilities.

For a detailed description of the recreational resources, as well as visitation data at Millwood Lake, see Chapter 2 of the Millwood Revised Master Plan.

4.12 Health and Safety

Safety of project visitors and project staff are the highest priority in daily project operations. Facilities and recreational areas are routinely evaluated to ensure sites are safe for visitor use. Project staff conducts numerous water safety programs and public announcements to educate children and project visitors about ways to be safe on the lake.

Boating lanes established on the lake are kept clean for boaters safety and ease of navigation through flooded timber. Park Rangers provide visitor assistance and work with county law enforcement agencies to ensure public safety. Park Rangers and Arkansas Game and Fish personnel provide water safety and enforcement patrols on the lake as their budgets allow.

4.13 Aesthetics

Management objectives include maintaining scenic vistas while limiting impacts that would

negatively affect aesthetics. Natural landscapes and views of undeveloped lands are an important feature that enhances the recreational experience. The perimeter lands around Millwood Lake provide a natural setting that is aesthetically pleasing as well as buffering the lake from development and negative impacts such as erosion and storm water runoff. However, there are problems in maintaining these aesthetic qualities. Project resource staff is continually investigating trespasses that include activities such as timber cutting and land destruction by unauthorized off road vehicles. In addition, litter and illegal trash dumping both on project lands and project waters are continual problems. Vandalism within recreation areas also occurs. Other concerns that impact aesthetics are demands put upon project resources for uses such as road and utility line corridors.

5. ENVIRONMENTAL CONSEQUENCES

The following table summarizes the resources that are likely to be affected by each of the alternatives for an update of the Millwood Master Plan including the No Action alternative. A detailed discussion of the potential impacts of each of the alternatives follows the synopsis provided in the table.

Resource Category	Alternative 1 Maximum Conservation	Alternative 2 Moderate Conservation	Alternative 3 No Action	Alternative 4 Minimum Conservation
Climate, Topography, Geology and Soils	The Maximum Conservation Alternative is the most protective of all alternatives in terms of potential impacts on climate, topography, geology, and soils due to the classification of all low density acreage to environmentally sensitive.	The Moderate Conservation Alternative would be more protective than the No Action Alternative in terms of potential impacts on climate, topography, geology and soils due to a reduction in low density acreage.	There would be an impact, although not significant, on climate, topography and geology as a result of implementation of the No Action Alternative due to the potential for new development around the lake provided by a larger proportion of high density designated lands.	The Minimum Conservation Alternative would have fewer potential impacts on climate, topography, geology and soils than the No Action Alternative due to a reduction in low density acreage.
Aquatic Environment	The Maximum Conservation Alternative is similar to the Moderate Conservation Alternative for potential impacts on the hydrology and groundwater components of the aquatic environment, but should be more protective of water quality due to the elimination of low density lands and the potential for new development.	The Moderate Conservation Alternative is similar to the No Action Alternative in terms of potential impacts to the hydrology and groundwater components of the aquatic environment, but water quality would be enhanced due to reduced potential for new development.	The hydrology and groundwater components of Millwood Lake would not change from the existing condition due to the implementation of the No Action Alternative. Water quality may be minimally impacted due to a greater amount of high density designated land which results in a higher risk for new development.	The Minimum Conservation Alternative would result in little to no impacts on the hydrology and groundwater components of the aquatic environment Water quality impacts would likely be negligible under this alternative.

Table 5-1 Resources Likely Affected with Implementation of Alternatives

Resource Category	Alternative 1 Maximum Conservation	Alternative 2 Moderate Conservation	Alternative 3 No Action	Alternative 4 Minimum Conservation
Terrestrial Resources	The Maximum Conservation Alternative would have the greatest positive impact on the lakeside terrestrial resources of all the alternatives evaluated due to the elimination of low density lands and the reduction in potential new development.	Implementation of the Moderate Conservation Alternative would have a positive impact on terrestrial resources in comparison to the No Action Alternative. Due to an increase in environmentally sensitive and wildlife management lands, this would have a positive benefit to the acreage around the lake.	Under the No Action Alternative there is no modification of existing low density acres. Based on this, the potential exists for continual degradation of shoreline vegetation due to probable increased development and subsequent vegetation removal/mowing activities.	The Minimum Conservation Alternative would be similar to the Conservation Alternative, however small portion of environmentally sensitive lands would convert to low density under this alternative. This may result in minimal impacts to wildlife and vegetation due to the land conversion and potential for additional development.
Wetlands	The Maximum Conservation Alternative would have the greatest positive impact on the lakeside terrestrial resources of all the alternatives evaluated due to the elimination of low density lands and the reduction in potential new development.	Implementation of the Moderate Conservation Alternative would have a positive impact on terrestrial resources in comparison to the No Action Alternative. Due to an increase in environmentally sensitive and wildlife management lands, this would have a positive benefit to the acreage around the lake.	Under the No Action Alternative there is no modification of existing low density acres. Based on this, the potential exists for continual degradation of shoreline vegetation due to probable increased development and subsequent vegetation removal/mowing activities.	The Minimum Conservation Alternative would be similar to the Conservation Alternative, however small portion of environmentally sensitive lands would convert to low density under this alternative. This may result in minimal impacts to wildlife and vegetation due to the land conversion and potential for additional development.
Threatened & Endangered Species	The Maximum Conservation Alternative could have a significant positive impact on Threatened, Endangered, Protected, or Species of State Concern, due to the fact that this alternative would eliminate all low density lands reducing the potential for future development. There would be positive effects on lakeside flora and fauna due to shoreline protection.	The Moderate Conservation Alternative would likely have no significant on any listed Threatened, Endangered, Protected, or Species of State Concern. Due to the increase in Environmentally Sensitive and Wildlife Management lands, there may be some positive benefits to any or all the listed species.	The No Action Alternative would have no significant impact on any listed Threatened, Endangered, Protected, or Species of State Concern.	The Minimum Conservation Alternative would likely have little to no impacts on any species listed Threatened, Endangered, Protected, or Species of State Concern.
Resource Category	Alternative 1 Maximum Conservation	Alternative 2 Moderate Conservation	Alternative 3 No Action	Alternative 4 Minimum Conservation
---	--	---	---	---
Archaeological & Historic Resources	The Maximum Growth Alternative would have the highest potential to avoid and decrease impacts on cultural resource sites and historic properties compared to all the alternatives due to the reclassification of all Low Density acreage to Environmentally Sensitive lands.	Under the Moderate Conservation Alternative, due to increases in Environmentally Sensitive and Wildlife Management acreage, potential impacts on cultural resources and historic properties would be minimal.	Under the No Action Alternative, the greatest potential for effects to cultural resources and historic properties would occur in the areas classified as Low Density, High Density, and No Allocation.	Under the Limited Growth Alternative, the amount of Low Density acreage would increase. This alternative would slightly raise the potential for impacts on cultural resource sites or historic properties.
Air Quality	Implementation of the Maximum Conservation Alternative would have the greatest positive impact to air quality of all the evaluated alternatives due to the elimination of Low Density lands and thereby a decrease in future development	Implementation of the Moderate Conservation Alternative would result in some reduction in negative air quality impacts as compared to the No Action Alternative due to a decrease in Low Density acreage and thereby a decrease in future development.	Under the No Action Alternative, the air quality around the lake would remain the same as currently exists. There could be an increase in vehicular exhaust emissions due to localized development, and associated construction equipment. No violations of the current National Ambient Air Quality Standards (NAAQS) established by the EPA would be expected under this alternative.	Implementation of the Limited Growth Alternative would result in less potential impact to existing air quality compared to the No Action Alternative due to a decrease in Low Density acreage and thereby a decrease in future development.

Resource Category	Alternative 1 Maximum Conservation	Alternative 2 Moderate Conservation	Alternative 3 No Action	Alternative 4 Minimum Conservation
Socio-economics	The Maximum Conservation Alternative may have negative impacts on the socio-economic situation in the counties surrounding Millwood Lake due to the reclassification of all Low Density lands to Environmentally Sensitive acreage.	The Moderate Conservation Alternative would likely have minimal impact on the socio- economic situation in the counties surrounding Millwood Lake since this alternative reflects how the lake is currently managed and operated.	The No Action Alternative would likely have the most impact on the socio-economic situation in the counties surrounding Millwood Lake due to the potential for future development in the Low Density and High Density land classifications.	The Minimum Conservation could have some positive effect on the socio-economic situation in the counties surrounding Millwood Lake due to the potential for future development in the Low Density land classification.
Recreation Resources	Under the Maximum Conservation Alternative, areas around Millwood would receive greater protection since all Low Density lands would be reclassified as Environmentally Sensitive. This may enhance the recreational experience for wildlife viewing, hunting, fishing, and lake aesthetics.	The Moderate Conservation Alternative would reclassify shoreline acreage to reflect current uses. Implementation of this alternative would allow continued public use of the lake while sustaining the natural, cultural, and socio- economic resources of the area. Current unclassified lands would have a land classification.	Provision of recreational facilities and services would continue at Millwood Lake without an update to the Millwood Lake Master Plan. However, the master plan would not accurately reflect the current status of project facilities. Lands with no classification would remain unclassified.	The Limited Growth Alternative would have some positive recreation impact as potential opportunities would be increased, due to an increase in Low Density lands.

Resource Category	Alternative 1 Maximum Conservation	Alternative 2 Moderate Conservation	Alternative 3 No Action	Alternative 4 Minimum Conservation
Health & Safety	The Maximum Conservation Alternative would most likely promote a safer lake environment, by indirectly reducing boat traffic due to the conversion of all Low Density lands to Environmentally Sensitive. Recreational boating experiences and boater satisfaction may be impacted.	The Moderate Conservation Alternative would still allow potential development opportunities, but not to the degree to cause significant boat congestion or increase water related accidents. The increase in Environmentally Sensitive and Wildlife Management areas could result in an increase in human exposure to insects and wildlife. The availability of recreational opportunities, balanced with conservation of natural environment could lead to better health, both mental and physical, of visiting populations.	The No Action Alternative would retain current land classifications, in which potential development could impact water quality. Continued development may lead to increased water traffic, with the potential for increased accidents and pollution.	Under the Minimum Conservation Alternative, access to Millwood Lake would be enhanced, with a potential for an increase in water-based recreational opportunities. Land- based recreational opportunities, such as hiking, hunting, and wildlife observation could also be slightly altered.
Aesthetics	Under the Maximum Conservation Alternative, the conversion of all Low Density lands to Environmentally Sensitive would enhance the unspoiled and untamed aesthetic of this landscape. This alternative would maintain the area of pristine shoreline and preserve regions of boulders, bluffs, and mature forest flora that currently dominate views.	Under the Moderate Conservation Alternative, the wide panorama of Millwood Lake and the nearby shore would continue to convey a sense of enormity of the lake, and the limited development would continue to promote the sense of a relatively pristine shoreline. The developed areas are, for the most part, shielded from the lake view, which preserves the aesthetic beauty for those recreating on the lake.	Under the No Action Alternative, the visual characteristics surrounding the Millwood Lake landscape could potentially change due to continued development in High and Low Density land classifications.	The Minimum Conservation Alternative would allow more potential development, but not to a degree that would significantly impact the scenic beauty and/or aesthetics of the lake.

5.1 Climate

5.1.1 Maximum Conservation (Alternative 1)

The Maximum Conservation Alternative allows less potential development by only having 13% of the shoreline as High or Low Density lands. With 79% of the land classified as Environmentally Sensitive, the vast majority of the lake shoreline vegetation would remain unaltered. This would allow shading of the water and reduced erosion, which serve to reduce air and water temperature. The shoreline vegetation produce oxygen through photosynthesis, which improves air quality. All these factors would improve the climate around Millwood Lake.

5.1.2 Moderate Conservation (Alternative 2)

The Moderate Conservation Alternative is more protective than the No Action Alternative in terms of potential impacts on air and water temperature modification. A conversion of both High Density and Unallocated lands to Environmentally Sensitive and Vegetative Management lands would reduce the potential for development, which reduces the potential impact on climate due to vegetation removal. This reclassification would provide a better buffering effect which would result in storm water velocity reduction and act as a filtering mechanism. This would help reduce erosion and sediment deposition in the lake.

5.1.3 No Action (Alternative 3)

There could be some potential impact to climate as a result of implementation of the No Action alternative. Of the 9,332.8 total land acres, 1,384.3 acres are classified as High Density lands under this alternative. This potential for development could modify the vegetation component near the shoreline, allowing more sunlight penetration. Greater temperature fluctuations generally occur when woody vegetation is removed from an area. Reduced ground cover could cause an increase in sedimentation during rainfall events, which could increase the turbidity of the water, resulting in a potential for a small increase in water temperature.

5.1.4 Minimum Conservation (Alternative 4)

The Minimum Conservation Alternative would also provide some positive potential impacts on climate. While this alternative retains 1,054 acres of High Density lands and 663.5 acres of Low Density lands, 79% of the vegetated shoreline would remain unaltered, being classified as Environmentally Sensitive, Wildlife Management, or Vegetative Management lands. This reclassification would provide a shoreline buffering effect, which would result in storm water velocity reduction, act as a sediment filtering mechanism, and help cool the air and water.

5.2 Topography, Geology and Soils

5.2.1 Maximum Conservation (Alternative 1)

The Maximum Conservation Alternative is different from the No Action Alternative in terms of potential impacts to topography, geology and soils. There would be less impact to the existing conditions regarding these features. High Density recreation acreage would be reduced from 1, 384.3 acres to 1,018.5 acres, which represents 11% of the lake shore acreage, while the Low Density acreage is only 186.6 acres (2%). The majority of shoreline acreage has been reclassified to Environmentally Sensitive lands (79%). Under this alternative the combination of Environmentally Sensitive, Wildlife Management, and Vegetative Management lands would represent 83% of available acreage around the lake. This alternative would have significant

positive effects due to reduced erosion and lake sedimentation due to vegetation retention. This additional buffer helps reduce storm water velocity and surface scour during storm events.

5.2.2 Moderate Conservation (Alternative 2)

The Moderate Conservation Alternative is more restrictive than the No Action Alternative in terms of potential impacts to topography, geology and soils. There would be little to no change in impacts on the existing conditions regarding these features due to the fact that this alternative reflects current lake usage patterns. High Density Recreation acreage would be reduced from the No Action Alternative (1,384.3 acres) to 1,018.5 acres. These lands would be reclassified to Environmentally Sensitive and Vegetative Management lands, which provide a vegetated lake buffer area. This vegetation helps to reduce storm water velocity and acts as a filtering mechanism. This would help reduce erosion and sediment deposition in the lake.

5.2.3 No Action (Alternative 3)

Soil erosion would increase due to development being allowed under this alternative. Approximately 15% of available acreage (56,348 acres) around the lake is currently classified as High Density recreation, as well as 150.6 acres of unallocated land. High Density acreage would potentially allow development of more recreational activities including campgrounds, parks, marinas, resorts and other public development infrastructure. Development results in soil disturbance, vegetation removal and transforming some pervious surfaces to impervious areas. It also promotes erosion during construction activities and increased runoff velocity after development is completed. The remaining pervious surfaces around these developed areas would become more impervious due to increased foot traffic from recreational activity.

5.2.4 Minimum Conservation (Alternative 4)

The Minimum Conservation Alternative would increase Low Density lands by 663.5 acres, as compared to the No Action Alternative, but would decrease High Density by 330.4 acres. This would allow potential development on the additional Low Density acreage, which could have some impact on the topography, geology and soils. The reduction in High Density recreation acreage would help minimize the potential for soil erosion due to development. The combination of High and Low Density recreation land represents only 18% of available acreage around the lake. With Environmentally Sensitive and Wildlife Management lands comprising a majority of the shoreline acreage, minimal impacts from erosion and sedimentation would result from the implementation of this alternative.

5.3 Aquatic Environment

5.3.1 Hydrology and Groundwater

5.3.1.1 Maximum Conservation (Alternative 1)

The Maximum Conservation Alternative is likely to be more protective than the No Action Alternative in terms of potential impact on the hydrology and groundwater components of the aquatic environment. The hydrology and groundwater conditions are generally controlled by the watershed drainage and existing geology of the area, but when 82% of the shoreline is classified as Environmentally Sensitive and Wildlife Management, rainfall would be much more likely to be absorbed, thereby replenishing the groundwater to a greater degree.

There would be little to no change in the wetland status from the existing condition due to

implementation of the Maximum Conservation alternative. Most of the wetland acreage has been identified in the lower reaches of the major tributary streams, therefore the limited High Density shoreline development near the lower end of the lake, as reflected in this alternative, would have little impact to this resource.

5.3.1.2 Moderate Conservation (Alternative 2)

The Moderate Conservation Alternative is different than the No Action Alternative in terms of potential impacts to the hydrology and groundwater components of the aquatic environment. The hydrology and groundwater conditions are generally a function of the watershed drainage and existing geology of the area, but have only 14% of the shoreline classified as High and Low Density lands in the Moderate Conservation Alternative, as compared to over 17% in the No Action Alternative. This would enhance rainfall absorption and slow runoff velocity due to retention of Environmentally Sensitive and Wildlife Management land shoreline vegetation.

5.3.1.3 No Action (Alternative 3)

The hydrology and groundwater components of Millwood Lake would not change from the existing condition due to the implementation of a No Action Alternative. The potential for additional development under this alternative would have some effect on reducing percolation through the soil layers due to ground cover removal, and potentially increasing storm water velocity.

Wetland areas are relatively limited within the High and Low Density lands portion of Millwood Lake, and are more prevalent in the shallower portions of the shoreline, so they would not undergo any significant change from existing conditions due to implementation of the No Action Alternative.

5.3.1.4 Minimum Conservation (Alternative 4)

The Minimum Conservation Alternative would have a similar impact on the hydrology and groundwater components of the aquatic environment as compared to the No Action Alternative. The High and Low Density lands comprise 18% of the shoreline in this alternative, with the remainder dominated by Environmentally Sensitive and Wildlife Management lands which enhance hydrology and groundwater conditions and function.

5.3.2 Water Quality

5.3.2.1 Maximum Conservation (Alternative 1)

The Maximum Conservation Alternative would result in the greatest degree of water quality protection, as compared to the No Action Alternative. Potentially developable lands in this alternative consist of only 1,018.5 acres of High Density lands and 186.6 acres of Low Density, representing only11% and 2% respectively, of the available shoreline acreage. The remaining 87% is classified as Environmentally Sensitive (79%), Wildlife Management (3%), Vegetative Management (1%), and Project Operations (4%). These land classifications would retain the highest amount of vegetated shoreline and create the greatest potential for the maintenance of water quality of all evaluated alternatives.

5.3.2.2 Moderate Conservation (Alternative 2)

Implementation of the Moderate Conservation Alternative may result in positive benefits to water

quality due to a reduction in High Density acreage by 365.8, as compared to the No Action Alternative. There is a corresponding major increase in Environmentally Sensitive acreage, from 2,058 acres to 2,898.1 acres, which represents a gain of 840.2 acres. These land reclassifications would serve to limit development on these lands, thereby reducing impacts to ground disturbance and subsequent increased erosion. Approximately 661 acres of Wildlife Management lands were converted to Environmentally Sensitive lands, providing more protection from vegetation modification. These factors would reduce erosion sedimentation and pollutants scoured from reduced impervious surfaces, with additional benefits of retention of more shoreline vegetation, better fishery habitat, increased water clarity and cooler water temperature conditions due to the decrease of turbidity and sediment deposition.

5.3.2.3 No Action (Alternative 3)

Lake fluctuations, associated with flood control procedures, result in change in the environment along the shoreline of the lake. Turbidity from heavy rainfall has a temporary, adverse effect on Millwood Lake. During these periods of increased runoff, urban areas and other parts of the terrain, especially those that have had the protective vegetation removed, contribute silt and other suspended particles to the tributaries. While implementation of the No Action Alternative is relatively independent of the existing watershed drainage on the lake water quality, potential continued development around the lake shoreline would exacerbate water quality issues due to potential increased erosion, localized increases in turbidity and increased sedimentation in the lake following storm events. Under the No Action Alternative, High Density recreation land classification would be 1,384.3 acres (15% of total available area), Environmentally Sensitive lands include 2,058 acres (22%), Wildlife Management lands total 5,361.3 acres (57%), while 150.6 acres have no current classification. Based on the current classification, the potential exists for continual degradation of shoreline vegetation due to potential increased development and subsequent vegetation removal and mowing activities. This would result in negative impacts to water quality due to increased storm water velocity, scour and sedimentation.

5.3.2.4 Minimum Conservation (Alternative 4)

The Minimum Conservation alternative would increase Low Density lands by 663.5 acres (7%) and reduce High Density acreage by 330.4 (4%) compared to the No Action Alternative. This alternative has 18% of shoreline acreage as potentially developable, with 76% classified as Environmentally Sensitive and Wildlife Management lands which would have a positive effect on lake water quality due to the rainwater filtering benefits from shoreline vegetation buffer associated with. Similar to the Moderate Conservation Alternative, these land reclassifications would serve to limit development on these lands, thereby reducing potential impacts from ground disturbance and subsequent increased erosion.

5.3.3 Fish Species and Habitat

5.3.3.1 Maximum Conservation (Alternative 1)

The Maximum Conservation Alternative would enhance the fish resources in Millwood Lake to the greatest degree of all evaluated alternatives. A comparison with the No Action Alternative shows a 365.8 acre reduction in High Density lands, with only 186.6 acres being classified as Low Density lands. Environmentally Sensitive lands make up 79% of available shoreline acreage. Along with the 3% of Wildlife Management lands and 1% of Vegetative Management lands in this alternative, 83% of the total shoreline acreage would retain its natural shoreline vegetation. Shoreline vegetation provides a buffer area that would attenuate storm water runoff, reduce scour and sedimentation, improve fish cover

and spawning habitat, and provide a cleaner substrate for macro-invertebrate colonization, which improves the food supply for fish.

5.3.3.2 Moderate Conservation (Alternative 2)

Implementation of the Moderate Conservation Alternative would have a positive effect on the lake fishery resource as compared to the No Action Alternative. There is a 365.8 acre reduction in High Density lands (-4%), a 9% increase in Environmentally Sensitive lands classification (2,898.1 total acres) and an increase in Vegetative Management lands from 0 acres to 133.2 acres, which results in 1% of available acreage. Wildlife Management lands constitute 50% (4,700 acres) of available shoreline. The lands classified in these three areas would serve as additional protection for lakeside vegetation and preservation of overhanging vegetation, which provides cover for fish, reduces storm flow velocity, reduces erosion scour, and reduces sedimentation. These factors improve spawning habitat, thereby potentially enhancing fish population dynamics in the lake.

5.3.3.3 No Action (Alternative 3)

The fishery of Millwood Lake may have potential minor impacts from the implementation of the No Action alternative, which has 15% of available shoreline acreage classified as High Density lands and 2% as unallocated lands. Implementation of the No Action alternative would allow potential development around parts of the shoreline. Development often results in vegetation removal down to water's edge, which impacts shoreline stability, removes fish cover provided by overhanging vegetation, tree trunks and roots, and exacerbates storm water erosion and sedimentation. During the spring spawning season this sedimentation has the potential to disrupt spawning activity and productivity in the coves and lake arms where spawning commonly occurs.

5.3.3.4 Minimum Conservation (Alternative 4)

The Minimum Conservation Alternative is similar to the Moderate Conservation Alternative in terms of potential positive benefits to the lake fishery. A comparison with the No Action Alternative shows a reduction of 330.4 acres of High Density lands. In this alternative, 76% of the available shoreline acreage would be classified as Environmentally Sensitive and Wildlife Management lands, preserving a majority of the natural shoreline vegetation along the shoreline. Similar to the positive effects discussed in the Moderate Conservation Alternative, this alternative should have a beneficial effect on the fish and fish habitat of Millwood Lake.

5.4 Terrestrial Resources

5.4.1 Wildlife

5.4.1.1 Maximum Conservation (Alternative 1)

The Maximum Conservation Alternative would convert some of the existing High Density lands to Environmentally Sensitive acreage, which totals 79% of shoreline. Based on this reclassification, this alternative would result in significant positive effects on terrestrial resources around the shoreline of the lake. White-tailed deer and eastern wild turkey are common game animals found and hunted in the Millwood Lake area. Black bears have also become common in the area and are occasionally seen on the areas of the Millwood Lake watershed. Gray and fox squirrels are common in upland wooded areas and are also popular with sportsmen. All these wildlife species fare better in a natural, undeveloped vegetation cover. This alternative would provide the most wildlife benefits in this regard. Some habitat management activities, including wildlife food plot plantings, removal of exotic species and application of prescribed fire would potentially benefit these populations as well.

5.4.1.2 Moderate Conservation (Alternative 2)

Implementation of the Moderate Conservation Alternative would have a positive effect on terrestrial resources, when compared to the No Action alternative. There would be a 365.8 acre reduction in High Density lands (to 1,018.5), a 9% increase in Environmentally Sensitive lands classification (2,898.1 total acres) and a decrease in Wildlife Management lands from 5,361.3 acres to 4,700 acres. This would result in 50% of available acreage classified as Wildlife Management lands. The lands classified as Environmentally Sensitive and Wildlife Management land (81%) would provide additional protection for lakeside vegetation, and preservation of habitat for wildlife and migratory bird species. The buffer of natural vegetation that remains along the shoreline from this designated acreage would potentially enhance migration and feeding activities for many species of wildlife.

5.4.1.3 No Action (Alternative 3)

Under the No Action Alternative, shoreline lands would be classified into High Density recreation lands (1,384.3 acres, or 15% of total available area), Environmentally Sensitive lands (2,058 acres or 22%), and Wildlife Management lands (5,361.3 acres or 57%), while 150.6 acres have no current classification. Based on the current shoreline classification, the potential exists for continual degradation of shoreline vegetation due to increased development and potential vegetation removal and mowing activities. Unclassified lands are potentially developable, resulting in 17% of the shoreline acreage subject to possible increased or new development. This would result in negative effects to wildlife due to potential removal of trees and understory vegetation (with the highest potential in the High Density lands), thus altering food sources and migratory patterns of insects, birds and mammal species.

5.4.1.4 Minimum Conservation (Alternative 4)

The Minimum Conservation Alternative is more similar to the Moderate Conservation Alternative than the No Action Alternative in terms of potential effects to the terrestrial resources and land use patterns. A proposed decrease in High Density lands of 330.4 acres, would result in 11% of available acreage classified as High Density, which would have potentially been available for development. This amount of High Density land would likely have some, but still insignificant effect, on wildlife species and activity. In spite of an increase in Low Density lands (220 acres) over the Moderate Conservation Alternative, the majority of natural shoreline vegetation (77%) would likely remain with natural vegetation. Good habitat for wildlife would still be abundant under this alternative.

5.4.2 Vegetation

5.4.2.1 Maximum Conservation (Alternative 1)

The Maximum Conservation Alternative would convert 365.8 acres of High Density lands to Environmentally Sensitive, in addition to 5,072.3 acres as Wildlife Management lands. Based on this reclassification, this alternative would result in significant positive effects on the vegetation resources around the shoreline of the lake due to the restrictions placed on vegetation modification actions under the Environmentally Sensitive land classification. Some habitat management activities, including wildlife food plot plantings, removal of exotic species and application of prescribed fire would still take place under this alternative and could potentially be beneficial to the area.

5.4.2.2 Moderate Conservation (Alternative 2)

Implementation of the Moderate Conservation Alternative would have a positive effect on the shoreline vegetation, when compared to the No Action alternative. There would be the same reduction in High Density lands (365.8 acres), a 9% increase in Environmentally Sensitive lands classification (2,898.1 total acres) and a decrease in Wildlife Management lands from 5,361.3 acres to 4,700 acres, which results in 50% of available acreage classified as Wildlife Management lands. The lands classified as Environmentally Sensitive and Wildlife Management would serve as additional protection for lakeside vegetation and subsequent preservation of habitat for wildlife and migratory bird species. The buffer of natural vegetation that remains along the shoreline from this designated acreage would enhance migration and feeding activities for many species of wildlife, as well as mediate storm water velocity and scour.

5.4.2.3 No Action (Alternative 3)

Under the No Action Alternative, shoreline lands would be classified into High Density recreation lands (1.384.3 acres, or 15% of total available area), Environmentally Sensitive lands (2,058 acres or 22%), and Wildlife Management lands (5,361.3 acres or 57%), while 150.6 acres have no current classification. Based on this, the potential exists for continued degradation of shoreline vegetation due to increased development and subsequent vegetation removal and mowing activities. Unclassified lands are potentially developable, resulting in an additional 2% of the shoreline acreage subject to possible increased or new development. This would result in potential negative effects to the natural shoreline vegetation composition due to potential removal of trees and understory vegetation, thus possibly altering food sources and migratory patterns of insects, birds and mammal species, as well as increasing a potential for increased storm water erosion effects.

5.4.2.4 Minimum Conservation (Alternative 4)

The Minimum Conservation Alternative is more similar to the Moderate Conservation Alternative in terms of potential effects to the lakeshore vegetation than that of the No Action Alternative. A proposed decrease in High Density lands of 330.4 acres, would result in 11% of available acreage for potential development and have some, but still insignificant effect, on shoreline vegetation. In spite of an increase in Low Density lands (220 acres) over the Moderate Conservation Alternative, the majority of natural shoreline vegetation (77%) would likely remain with natural vegetation. Good habitat for wildlife would still be abundant under this alternative.

5.5 Wetlands

5.5.1 Maximum Conservation (Alternative 1)

The Maximum Conservation Alternative would convert 365.8 acres of High Density lands to Environmentally Sensitive, in addition to 5,072.3 acres as Wildlife Management lands. Based on this reclassification, this alternative could result in some positive effects on the wetland vegetation resources around the shoreline of the lake due to the restrictions placed on vegetation modification actions under the Environmentally Sensitive land classification. There would be little to no change in the wetland status from the existing condition due to implementation of the Maximum Conservation alternative. Most of the wetland acreage has been identified in the lower reaches of the major tributary streams, therefore the limited High Density shoreline development near the lower end of the lake, as reflected in this alternative, would have minimal impact to this resource.

5.5.2 Moderate Conservation (Alternative 2)

Implementation of the Moderate Conservation Alternative would have a beneficial effect on the shoreline wetland vegetation, when compared to the No Action alternative. There would be the same reduction in High Density lands (365.8 acres), a 9% increase in Environmentally Sensitive lands classification (2,898.1 total acres) and a decrease in Wildlife Management lands from 5,361.3 acres to 4,700 acres, which results in 50% of available acreage classified as Wildlife Management lands. The lands classified as Environmentally Sensitive and Wildlife Management would serve as additional protection for lakeside wetland species and subsequent preservation of habitat for wildlife and migratory bird species. The buffer of natural wetland vegetation that remains along the shoreline from this designated acreage would enhance migration and feeding activities for many species of wildlife, as well as mediate storm water velocity and scour.

5.5.3 No-Action (Alternative 3)

Under the No Action Alternative, shoreline lands would be classified into High Density recreation lands (1.384.3 acres, or 15% of total available area), Environmentally Sensitive lands (2,058 acres or 22%), and Wildlife Management lands (5,361.3 acres or 57%), while 150.6 acres have no current classification. Based on this, the potential exists for some degradation of shoreline vegetation due to increased development and subsequent vegetation removal and mowing activities. Unclassified lands are potentially developable, resulting in an additional 2% of the shoreline acreage subject to possible increased or new development. This could result in potential negative effects to the natural shoreline wetland vegetation composition due to potential removal of trees and understory vegetation, thus possibly altering the composition and function of these wetlands. A change in food sources and migratory patterns of insects, birds and mammal species, as well as increasing a potential for increased storm water erosion effects could possibly occur under this alternative.

5.5.4 Minimum Conservation (Alternative 4)

The Minimum Conservation Alternative is more similar to the Moderate Conservation Alternative in terms of potential effects to the lakeshore wetland vegetation than that of the No Action Alternative. A proposed decrease in High Density lands of 330.4 acres, would result in 11% of available acreage for potential development and have some, but still insignificant effect, on shoreline vegetation. In spite of an increase in Low Density lands (220 acres) over the Moderate Conservation Alternative, the majority of natural shoreline vegetation (77%) would likely remain with natural vegetation, including wetland areas.

5.6 Threatened and Endangered Species

5.6.1 Maximum Conservation (Alternative 1)

The Maximum Conservation Alternative would likely provide the most protection for any species listed as Threatened, Endangered, Protected, or Species of State Concern due to the reclassification of 82% of the shoreline acreage to Environmentally Sensitive (79%) and Wildlife Management lands. Potentially developable lands under this alternative include only 1,018.5 acres of High Density lands, representing 11% of available shoreline acreage. Only 186.6 acres of Low Density lands are included in this alternative. Due to the significant increase of Environmentally Sensitive and Wildlife Management acreage from the No Action land classifications, there may be potential positive benefits to any or all the listed species, and possibly other yet undiscovered species that may exist in the area.

5.6.2 Moderate Conservation (Alternative 2)

The Moderate Conservation Alternative would likely have little to no negative effects on any listed threatened, endangered, protected, or species of state concern based on the documentation and justification noted in the No Action Alternative. Due to the reclassification of 7,598.1 acres to Environmentally Sensitive and Wildlife Management lands, there may be potential positive benefits to any or all the listed species, and possibly other yet undiscovered species that may exist in the area. This is due to the higher level of protection offered by the Environmentally Sensitive and Wildlife Management land classifications.

5.6.3 No Action (Alternative 3)

Of the species listed in Table 4-1 of Section 4.0, AFFECTED ENVIRONMENT, all terrestrial species would be most affected by implementation of the No Action Alternative. Potential development could occur in the High Density land classification and the 150.6 unallocated acres that might have negative impact on some species of state concern. The Bald Eagle, *Haliaeetus leucocephalus*, was removed from the threatened listing in 2007 by the USFWS, but it still remains a protected species. While there have been reports of nesting in some locations around the lake perimeter, this species is not confined to a particular area around the lake, so it could be potentially affected by development near nesting sites.

5.6.4 Minimum Conservation (Alternative 4)

Similar to Alternative 2, the Minimum Conservation Alternative would likely have minimal effects on any listed Threatened, Endangered, Protected, or Species of State Concern based on the proposed reduction of potentially developable acreage from the amount listed in the No Action Alternative. A proposed decrease in High Density lands of 330.4 acres, resulting in 11% of available acreage for potential High Density development. There are 663.5 acres of Low Density lands in this alternative. This may result in some potential minor negative effects to listed species based on possible development activity in these lands.

5.7 Archaeological and Historic Resources

5.7.1 Maximum Conservation (Alternative 1)

The Maximum Conservation Alternative would result in the greatest benefit to preservation of cultural resource sites and historic properties. Under this alternative, only 2% of shoreline acreage is classified as Low Density, and approximately 82% of all land would be classified as Environmentally Sensitive and Wildlife Management. This alternative is very preservation-oriented and would constitute the best opportunity to minimize any potential effects to cultural resource sites and historic properties. High Density recreation would decrease by 365.8 acres to approximately 11% of the land coverage. This would minimize the amount of development potential on lands adjacent to Millwood Lake, and subsequently minimize adverse effects on cultural resources.

5.7.2 Moderate Conservation (Alternative 2)

Under the Moderate Conservation Alternative, the area classified as Environmentally Sensitive land would increase. With the proposed shoreline acres in both the Wildlife Management Areas and Environmentally Sensitive Area classifications, there would be minimal potential for ground disturbing activities along the shoreline, thus decreasing the potential for effects on cultural resources. The lands having no allocation under the No Action Alternative would be changed to Environmentally Sensitive in effort to preserve the scenic, historical, archaeological, scientific, water quality, or ecological value of the overall project. In areas where the land has been previously classified as High Density, but it has not yet been identified for development, these lands would be converted to Environmentally Sensitive or Wildlife Management.

5.7.3 No Action (Alternative 3)

Under the No-Action Alternative there would be no change in the current Master Plan land classifications as designated under the 1964 Master Plan. Under this alternative, the greatest potential for effects on cultural resources and historic properties would occur in the areas classified as High Density Recreation and those lands with no classification. Cultural Resources under the No Action Alternative would be at risk of disturbance in areas where the land classification would allow for intensive development. Any new ground disturbing activities on USACE lands would require a permit to be issued prior to commencement of the activity. Through the site review process prior to issuance of a permit or any federal action, unknown sites would be identified, and known sites would be evaluated for their significance and eligibility for the National Register of Historic Places pursuant to 36 CFR Part 800 of the National Historic Preservation Act. Cultural Resource sites within Low Density or High Density classification areas could potentially undergo the most severe impact due to the fact that activities such as boat dock construction and shoreline use permits result in a degree of ground disturbance which could pose a threat to intact cultural deposits. Potential mitigation for impact to cultural or historic sites would be the requirement for a cultural or historic resource site evaluation. If evaluation of site identifies a cultural or historic resource, avoidance of the action would be recommended.

5.7.4 Minimum Conservation (Alternative 4)

Under the Minimum Conservation Alternative, High Density Recreation lands would be decreased around Millwood Lake; Low Density would be increased by 420 acres more than in the Preferred Action, while Environmentally Sensitive lands occupy 29% of shoreline acreage, and Wildlife Management Areas consist of 47% of the acreage. This alternative, while having a larger potential for development as compared to the Preferred Action, would still result in a benefit to cultural resources based on the large percentage of protected shoreline acreage.

5.8 Socio-Economic Resources

5.8.1 Maximum Conservation (Alternative 1)

The Maximum Conservation Alternative would have an effect on the socio-economic situation in the counties that surround Millwood Lake due to the decreased High Density acreage and the reclassification of a majority of shoreline acreage to Environmentally Sensitive lands. An indirect impact from this alternative would be a reduction in tax revenue to local counties, essentially reducing their economic development, due to the fact that the Corps would not grant new permits allowing expansion or new development. Total housing units would likely stay the same due to the decreased availability of recreation (private shoreline uses) at the lake resulting in minimal new development, but it is unlikely that property values would change. It is unlikely that other facets of socio-economics would change due to the implementation of this alternative.

5.8.2 Moderate Conservation (Alternative 2)

The Moderate Conservation Alternative would likely have less of a positive effect on the socioeconomic situation in the counties surrounding Millwood Lake than the No Action Alternative. Population would be expected to stay the same or decline slightly due to the decreased High Density acreage and the increased Low Density lands. Environmentally Sensitive and Wildlife Management lands constitute 81% of shoreline acreage. Under this alternative the demographic makeup of the population would likely be unaffected. Total housing units would stay the same or decrease due to the decreased availability of recreation at the lake, but it is unlikely that housing values would change as a result of the alternative. The economy of the area would likely stay the same or have a slight decline if this alternative is implemented.

5.8.3 No Action (Alternative 3)

The No Action Alternative may have the most effect on the socio-economic situation in the counties surrounding Millwood Lake due to the fact that 15% of the available shoreline acreage is classified as High Density lands, and another 2% is unallocated land. While the potential for some development exists around the lake, current population growth and the demographic makeup of the population are expected to remain similar to the current rates and percentages the area experiences now. Housing units and their values would not be affected if the No Action alternative is implemented. It is likely that changes in the socio-economic conditions of the Millwood area would be the result of outside influences, and not those created by the No Action alternative.

5.8.4 Minimum Conservation (Alternative 4)

The Minimum Conservation Alternative would result in a similar socio-economic situation as Alternative 2, but possibly would have less of a positive effect as compared to the No Action Alternative. Low Density acreage in this alternative would be 663.5 acres, representing 7% of available shoreline acreage. The economy in the area could possibly grow slightly due to a potential increased opportunity for recreation.

5.9 Recreation Resources

5.9.1 Maximum Conservation (Alternative 1)

Under the Maximum Conservation Alternative, some recreation opportunities would be reduced, such as private boat docks, due to an increase in the area classified as Environmentally Sensitive, which does not allow most types of development. This alternative would also limit commercial opportunities based on the proposed 1,018.5 acres of High Density classification. Although it minimizes potential for development, it would improve land-based recreational opportunities such as hunting, hiking, bird watching. This alternative also would improve viewscapes along the lake since it would allow for native flora and fauna to thrive.

5.9.2 Moderate Conservation (Alternative 2)

Under the Moderate Conservation Alternative, all lands would be classified and some of the existing classifications would be changed. This proposed update in classification would be structured to achieve a balance based on the present public use of the lake while sustaining the natural, cultural, and socio- economic resources of the area and reflecting the current management and operation of lands at Millwood Lake. Under Alternative 2, the current High Density lands, comprising 15% of available shoreline acreage, would be reduced to 11%, while Environmentally Sensitive and Wildlife Management lands, at 22% and 57%, respectively, would change to 31% and 50% of shoreline acreage. These classifications reflect current lake usage, with fishing, boating, hunting and wildlife Management and Environmentally Sensitive classified lands action would assist in forging partnerships between public and private entities for recreational and wildlife conservation opportunities. The retention of a major percentage of the natural shoreline

vegetation would lead to improved water quality, due to the buffering and filtering capability of this vegetation.

5.9.3 No Action (Alternative 3)

Provision of recreational facilities and services would continue at Millwood Lake without an update to the Millwood Lake Master Plan. However, the plan by which the Resource Manager and staff operate would not accurately reflect the current status of project facilities. Nor would there be additional measures in place, such as trail corridors and additional land use designations, to better accommodate recreational needs while protecting the natural resources. Currently, there are several boat docks outside of areas currently zoned for them and under the No Action Alternative these uses would remain inconsistent with the Master Plan. A total of 150.6 acres of shoreline would remain unclassified generating confusion about which uses are allowed in these areas.

5.9.4 Minimum Conservation (Alternative 4)

The Minimum Conservation Alternative would not deviate significantly from the Moderate Conservation Alternative in terms of provision of recreational opportunities on the lake. The 663.5 acres of shoreline that would be reclassified to Low Density recreation from Environmentally Sensitive lands would allow for the potential to have additional private boat docks for fishing and lake access, as well as the potential to develop nature trails and wildlife viewing areas, thus potentially increasing recreational traffic along Millwood and its adjacent lands.

5.10 Air Quality

5.10.1 Maximum Conservation (Alternative 1)

Implementation of the Maximum Conservation alternative would result in less of an impact to existing air quality due to the reduction in lands classified for development around the Millwood Lake shoreline. Since the majority of the available acreage would be classified as Environmentally Sensitive and Wildlife Management lands (83% of total available acreage), this would result in much less potential vehicular traffic, boat traffic, construction equipment usage, and mower exhaust emissions on these lands.

5.10.2 Moderate Conservation (Alternative 2)

Implementation of the Moderate Conservation Alternative would also result in minimal change in air quality impacts. Since this alternative would incorporate more shoreline acreage into the Environmentally Sensitive and Wildlife Management land classification, there would likely be a reduction in potential development, local vehicular exhaust emissions, and construction equipment activity, which would avoid or reduce potential impacts on localized air quality. No violations of the current NAAQS established by EPA would be expected as a result of the implementation of this alternative.

5.10.3 No Action (Alternative 3)

Under the No Action alternative, the air quality around the lake would remain the same as currently exists. There would likely be increases in vehicular exhaust emissions due to localized development, and the associated construction equipment and traffic in the area. However, no violations of the current National Ambient Air Quality Standards (NAAQS) established by EPA would be expected as a result of the implementation of this alternative.

5.10.4 Minimum Conservation (Alternative 4)

Mirroring the Moderate Conservation Alternative, the Minimum Conservation Alternative would result in fewer air quality effects as compared to the No Action Alternative. This alternative would reclassify less lands to Environmentally Sensitive as compared to the Preferred Action, as well as increases in High Density and Low Density lands (35 acres and 420 acres, respectively). This additional Low Density acreage would result in a greater potential for additional development, which could lead to increased local vehicular exhaust emissions. However, this effect would not be significant based on the small amount of change that could result from this development and increased lake usage activities. No violations of the current NAAQS established by EPA would be expected as a result of the implementation of this alternative.

5.11 Health & Safety

5.11.1 Maximum Conservation (Alternative 1)

This alternative will limit development to 1,018.5 acres of High Density lands, which would imply that there would be more limited access to Millwood Lake, potentially causing a decrease in waterbased recreational opportunities. Although water-based activities would be impacted, there would be an increase in land-based recreation opportunities such as hiking, hunting and wildlife observation. There could also be some partnership opportunities with conservation-based organizations within the region. The decrease in rate of development could also have positive impacts on water quality by reducing runoff quantity and velocity from rainfall events, which would increase sedimentation and shoreline contaminants to the water.

5.11.2 Moderate Conservation (Alternative 2)

The recreational opportunities, balanced with conservation of natural environment could lead to better health, both mental and physical, of the visiting population. Implementation of the Moderate Conservation Alternative would likely result in reduced traffic congestion on the water, and a lower potential for water related incidents. The increase in Environmentally Sensitive and Wildlife Management Areas could potentially increase exposure to insects and animals, which is generally understood by the public who utilize these lands.

5.11.3 No Action (Alternative 3)

Safety of project visitors and project staff are highest priority in daily project operations. The No Action Alternative would have 15% of available shoreline acreage classified for High Density development, and also 2% of unallocated lands. This would allow for the highest potential for a reduction in lake water quality, as described in Section 5.3.2. There could potentially be an increase in boat traffic on the lake and a possible increase in congestion, creating additional safety issues. Under the No Action Alternative, populations who recreate at the lake could be exposed to health risks associated with impaired water quality, such as *E. coli*, and potential hazardous contaminants due to the overall potential for increased recreation at the lake.

5.11.4 Minimum Conservation (Alternative 4)

Similar to the impacts in Alternative 2, the Minimum Conservation Alternative could also create a potential for additional boat docks being built due to a greater amount of Low Density lands than in the Preferred Action. This alternative would potentially result in a small increase of traffic congestion on the water, thus water related incidents could potentially become an issue under this alternative, but to a lesser potential in comparison to the No Action Alternative.

5.12 Aesthetics

5.12.1 Maximum Conservation (Alternative 1)

Aesthetics is an important feature that enhances the recreational experience. Lands around Millwood Lake provide a natural setting that is aesthetically pleasing as well as buffering the lake from views of development and clearings.

Implementation of the Maximum Conservation Alternative would minimize all activities which could disturb the scenic beauty and aesthetics of the lake. This alternative would be the most aesthetically pleasing for those recreating along the lake but could potentially be a hindrance to property owners and their view of the lake. The user experience in areas such as Corps parks would still be relatively peaceful at most times, with the aesthetic of domesticated nature. However, some of the more developed and most used parks could experience annual wear and deterioration of lands and existing facilities due to the potential increased usage of these parks.

5.12.2 Moderate Conservation (Alternative 2)

The wide panorama of Millwood Lake and the scenic beauty conveys a sense of tranquility to the lake visitors, and the conversion of 365.8 acres of High Density lands and 150.6 acres of unallocated lands to Environmentally Sensitive and Wildlife Management acreage would continue to preserve the sense of relatively pristine shoreline. The natural vegetation along the shoreline would enhance the viewscapes of the people recreating on the lake, while potentially impeding the view of the lake from the shore. Under this proposed alternative, property owners could work with Corps staff to determine the appropriate vegetation management measures for their specific property location adjacent to the shoreline of the lake.

5.12.3 No Action (Alternative 3)

Under the No-Action Alternative the visual character of the landscape would slowly change due to potential continued development increasing the amount of land with views of development and human structures. This would increase the amount of visual contrast between the natural and developed landscapes around the lake. Visual contrast is a measure of impact on visual quality and aesthetics. Dock development would eliminate the unspoiled and untamed aesthetic of this landscape. Road and utility line corridors also impact aesthetics and visual resources at Millwood. Since the lake is partially surrounded by pockets of residential development, these demands would continue to increase. In some instances, requests for new shoreline use permits are in areas where the natural vegetation and landscape would be disturbed.

5.12.4 Minimum Conservation (Alternative 4)

Implementation of the Minimum Conservation Alternative would be aesthetically similar to the Moderate Conservation Alternative. Under Alternative 4 there would be 420 more acres of Low Density lands compared to the Preferred Action, which would have the potential for additional boat dock construction and vegetation modification permits, but no significant impacts to aesthetics would be expected.

5.13 Cumulative Impacts

Cumulative impacts are those that may result from the incremental impact of the evaluated alternatives added to those of other past, present, or reasonably foreseeable future actions in the local area. The Master Plan for Millwood Lake was last approved in 1964; this was followed by

multiple supplements over the last 57 years. During that time, public use patterns have remained similar, but trends, facility and service demands have shifted in the past 57 years due to the need for alternative experiences in recreation and tourism. Millwood Lake receives pressure for both private shoreline and public recreation use, resulting in management concerns regarding the overall sustainability of the lake. With public use at project facilities changing, reallocations of services at these facilities need to be addressed. Changes involving recreation area closures and improvements have occurred during the last four decades to meet the evolving public use. In addition, cooperative agreements are being considered in order to operate and maintain facilities, which would reduce the financial burden on the tax paying public.

Two main themes came out of the scoping process, which was a cumulative exercise involving private and public entities, and local, state and federal agencies-improved fishing and habitat and concerns over lake depth and aquatic vegetation management. The Arkansas Department of Energy and Environment has classified Millwood Lake as a Type E waterbody, which is characterized by being a large lowland lake, 1000 to 30,000 acres in size, with average depths of less than 10 feet. Existing conditions at the lake allow for some degree of development on 17% of available acreage, with an additional 150.6 acres having no specific land classification, but it should be noted that reclassification of lands under the proposed alternative would enhance water quality by restricting High Density recreation development, increasing the amount of Environmentally Sensitive and Wildlife Management acreage, thereby retaining more of the natural shoreline vegetation. Approximately 82% of the linear shoreline would have a natural vegetated shoreline due to these land reclassifications identified in the Proposed Alternative. There would be insignificant impacts to climate, topography, geology and soils under this alternative. The aquatic environment of the lake should benefit from a potential reduction in storm water runoff velocity, reduced sedimentation, improved water quality, and a cleaner substrate for macroinvertebrate production and fish spawning activity. This alternative would also enhance wildlife foraging and movement patterns, offer more protection for threatened and endangered species that inhabit the area, and result in minimal impacts to cultural resources. A provision for additional potential development opportunities coupled with an abundance of lands remaining in their natural condition would balance and enhance recreational experiences, which would potentially stimulate the socio-economics of the area. This balanced approach should provide a safe and aesthetically pleasing recreational experience for the public that visits and/or lives at Millwood Lake.

Continued collaboration and coordination with state and federal resource agencies, as well as local agencies and watershed groups, is necessary to monitor, evaluate and remediate aging infrastructure, failing septic systems around the shoreline, and potential water quality impacts. Coordination with these entities could also evaluate and promote watershed enhancement programs that would serve to institute stream bank stabilization, land improvement and conservation programs, and implementation of best management practices to reduce watershed runoff and erosion.

As management of Millwood Lake ensues, the Corps would continue to coordinate with Federal, State, and local agencies to avoid, minimize or mitigate potential impacts.

6. ENVIRONMENTAL COMPLIANCE

Compliance with Federal Acts and Executive Orders are summarized in the following table.

Act/Executive Order	Status	Compliance
Wetlands (EO 11990)	No effect	С
Prime/Unique Farmlands	N/A	N/A
Floodplain Management (EO 11988)	N/A	N/A
Clean Water Act		
Section 404	No effect	N/A
Section 401	No effect	N/A
NPDES	No effect	N/A
Fish and Wildlife Coordination Act	No effect	С
Endangered Species Act	No effect	С
National Historic Preservation Act	No effect	С
Environmental Justice (EO 12898)	No effect	С
Clean Air Act	No effect	С
Comprehensive Environmental Response	N/A	N/A
Compensation and Liability Act (CERCLA)	1N/A	\mathbf{N}/\mathbf{A}
Resource Conservation and Recovery Act (RCRA)	N/A	N/A
Wild and Scenic Rivers Act	N/A	N/A
Rivers and Harbors Act	N/A	N/A
N/A—not applicable CCompliant		

Table 6-1 Federal Act/Executive Order Compliance

6.1 Fish and Wildlife Coordination Act

The Corps is required to coordinate with the USFWS and MDNR under the Fish and Wildlife Coordination Act (FWCA) (48 Stat. 401, as amended; 16 USC 661 et. seq.). Coordination was initiated with a scoping notice; no concerns were raised by these agencies. Review of the Environmental Assessment is pending; no concerns are anticipated.

6.2 Endangered Species Act

The Endangered Species Act (ESA) requires the determination of possible effects on species or degradation of habitat critical to Federally-listed endangered or threatened species. Implementation of an updated Master Plan is not likely to affect threatened or endangered species. Individual requests for use of project lands would be evaluated to ensure compliance with this Act.

6.3 Environmental Justice

Executive Order 12898, *Federal Actions to Address Environmental Justice in Minority Populations and Low Income Populations* requires Federal agencies to promote "nondiscrimination in Federal programs substantially affecting human health and environment". In response to this directive, Federal Agencies must identify and address a disproportionately high and adverse human health and environmental effects of their programs, policies, and activities on minority and low-income populations. The final step in the environmental justice evaluation process is to evaluate the impact of the project on the population and to ascertain whether target populations are affected more adversely than other residents.

Implementing the proposed Master Plan Update would not disproportionately affect minority or low-income populations.

6.4 Cultural Resource Requirement

Section 106 of the National Historic Preservation Act of 1966 requires the Corps to identify historic properties affected by the proposed action and to evaluate the eligibility of those properties for the National Register of Historic Places. Section 110 of the Act requires the Corps to assume responsibility for the preservation of historic properties in its ownership. The Act also requires Federal agencies to provide the Advisory Council on Historic Preservation an opportunity to comment on undertakings through the process outlined in the Council's regulations (36 CFR 800).

There would be no effect on cultural resources with implementation of an updated Master Plan. Individual requests for use of project lands would be evaluated on a case-by-case basis to ensure compliance with this act.

7. Scoping and Public Concern

7.1 Introduction

No single agency has complete oversight of stewardship activities on the public lands and waters

surrounding Millwood Lake. Responsibility for natural resource and recreation management falls to several agencies that own or have jurisdiction over these public lands and waters.

Increasingly, competition for the use of these lands and waters and their natural resources can create conflicts and concerns among stakeholders. The need to coordinate a cooperative approach to protect and sustain these resources is compelling. Many opportunities exist to increase the effectiveness of Federal programs through collaboration among agencies and to facilitate the process of partnering between government and non-government agencies. To sustain healthy and productive public lands and water with the most efficient approach requires individuals and organizations to recognize their unique ability to contribute to commonly held goals. The key to progress is building on the strengths of each sector, achieving goals collectively that could not be reasonably achieved individually. Given the inter- jurisdictional nature of Millwood Lake, partnering opportunities exist and can promote the leveraging of limited financial and human resources. Partnering and identification of innovative approaches to deliver justified levels of service defuse polarization among interest groups, and lead to a common understanding and appreciation of individual roles, priorities, and responsibilities.

To the extent practical, this Master Plan and a proactive approach to partnering would position Millwood Lake to aggressively leverage project financial capability and human resources in order to identify and satisfy customer expectations, protect and sustain natural and cultural resources and recreational infrastructure, and programmatically bring Corps management efforts and outputs up to a justified level of service. Public involvement and extensive coordination within the Corps of Engineers and with other affected agencies and organizations is a critical feature required in developing or revising a Project Master Plan.

Agency and public involvement and coordination have been a key element in every phase of the Millwood Lake Master Plan revision.

7.2 Scoping

In accordance with NEPA and ER 200-2-2, USACE initiated the environmental compliance and review process for the Millwood Lake MP and SMP revision project. An EA will be prepared to identify potential direct, indirect, and cumulative impacts related to implementation of the MP and SMP. The process of determining the scope, focus, and content of a NEPA document is known as "scoping" and this occurs at the start of the process. Scoping is a useful tool to obtain information from the public and governmental agencies in order to help set the parameters of issues to focus on and analyze.

In March of 2020, a global coronavirus pandemic (COVID-19) was declared. This prompted a lot of changes in the workforce, including USACE implementing telework schedules to keep employees safe and social distanced. In addition, and due to the evolving Federal, State, and Local policies designed to address the spread of COVID-19, the project delivery team (PDT) determined that no in-person agency or public scoping workshops would occur until the threat of the virus subsided. As an alternative, the Millwood Master Plan and Shoreline Management Plan Revision website was created to be the primary source of information during this time. Website information was provided through various sources, such as notification postcards, news releases, agency scoping letters, and media outreach, for individuals to visit the project website to find out more information about the process to update the Master Plan and Shoreline Management Plan of Millwood Lake; to solicit comments for Scoping; and to communicate to the public of the reason behind changing the traditional USACE scoping process in response to the global pandemic. As part of the initial phase of the environmental process, an extended public scoping comment period was held between November 16, 2020, and December 31, 2020, to gather agency and public comments on the MP and SMP revision process and issues that should be examined as part of the environmental analysis. The extension on the comment period was one response to the change in the traditional USACE scoping process due to the pandemic.

In particular, the scoping process was used as an opportunity to get input from the public and agencies about the vision for the MP and SMP update and the issues that the MP and SMP should address. When people visited the Millwood Lake Master Plan update website, they were encouraged to provide input by completing a comment form that asked for responses to specific questions in addition to soliciting for general comments about the plan and the environmental review.

USACE published notice of the scoping period through an email blast, a direct mail postcard, press releases, and agency notification letters. The postcard notice and email blast were sent to landowners adjacent to USACE-owned lands around the lake, holders of fishing permits purchased in Arkansas who's listed zip code is within 7 miles of Millwood Lake, dock permit holders, dock builders, timber buyers, and those who held reservations to camp at Millwood

Lake campgrounds within the 2019 recreational season. Postcards were sent to those for whom only a postal address was available; all others received the email blast. Agency coordination letters were sent to potentially interested agencies.

Agencies were invited to participate in the scoping process and to provide input on the vision for the Millwood Lake MP and SMP on issues that should be addressed through the environmental assessment. A letter was sent on November 10, 2020, to 19 agencies (Appendix B) providing notification of the upcoming agency scoping comment period and links to the project website where more information could be found.

A project website, https://www.swl.usace.army.mil/Missions/Planning/Millwood-Lake-Master-Plan-Revision/, was developed for both the MP and SMP revision project. The site included information about Millwood Lake, the MP and SMP revision process, and the scoping process. Information on the scoping process included, how to submit comments and who to contact for more information. Between November 16, and December 31, 2020, 126 people visited the project website.

7.3 Draft Master Plan/Draft Environmental Assessment.

The Draft Master Plan and Draft Environmental Assessment were released to the public on October 21, 2021, in conjunction with the Shoreline Management Plan and its associated Environmental Assessment.

As part of the draft plans release phase of the environmental process, a 45-day comment period was held from October 21 to December 6, 2021, and a 30-day comment period for agencies was held from January 10 to February 8, 2022. During the agency comment period, USACE was notified of additional tribal and agency interests that were not included as part of the initial agency notification. Therefore, a third comment period was held between February 15 and March 16, 2022, to allow these agencies an opportunity to provide input. A fourth and final comment period was held between April 12 and May 11, 2022, that included all identified public, agency and tribal government stakeholders.

A workshop was held on November 4th, 15 days after the draft plans were released to gather comments on the draft revised MP, SMP, and the associated draft EAs. The workshop also gave the public an opportunity to learn about the alternatives and provide input on the draft MP, SMP and EAs. Further detail on the draft release of the Millwood Lake Master Plan and Shoreline Management Plan may be found in the Draft Release Comments Report, appendix B of this document.

8. Final Master Plan/Final EA

The final Millwood Master Plan was completed in June 2022. The final Millwood Lake Master Plan, Shoreline Management Plan, and associated environmental assessments are to be posted on the Millwood Lake Master Plan and Shoreline Management Plan revision website once signed by the District Engineer and any questions that occur as a result of the final Master Plan release shall be directed to the Millwood Lake Project Office staff.

9. Conclusions

The Master Plan for Millwood Lake was last approved in 1964; this was followed by multiple supplements over the last 57 years. During that time, public use patterns have remained similar, but trends, facility and service demands have shifted in the past 57 years due to the need for alternative experiences in recreation and tourism. Millwood Lake receives pressure for both private shoreline and public recreation use, resulting in management concerns regarding the overall sustainability of the lake. With public use at project facilities changing, reallocations of services at these facilities need to be addressed. Changes involving recreation area closures and improvements have occurred during the last four decades to meet the evolving public use. In addition, cooperative agreements are being considered in order to operate and maintain facilities, which would reduce the financial burden on the tax paying public.

The Master Plan is not intended to address the specifics of regional water quality, shoreline management, or water level management; these areas are covered in a project's shoreline management plan or water management plan. However, specific issues identified through the Master Plan revision process can still be communicated and coordinated with the appropriate internal Corps resource (i.e. Operations for shoreline management) or external resource agency (i.e. Arkansas Dept. of Energy and Environment for water quality) responsible for that specific area. To facilitate this action, the current Master Plan development evaluated four alternatives relative to their potential impacts on the land and water resources of Millwood Lake.

These alternatives spanned the gamut of increased shoreline protection to increased shoreline development and the potential effects on the human, terrestrial, and aquatic environment from their implementation. A no action alternative looked at leaving the lake as it currently exists in terms of developable areas and protected areas. Of the 9,332.7 acres of available land around the lake, 15% of this is classified as High Density recreation, with potential future development occurring. While 22% of available acreage is classified as Environmentally Sensitive lands, 150.6 acres of land currently has no classification. Under each of the action alternatives, the lands with no classification are allocated to one of the land classifications.

The action alternatives included a Moderate Conservation Alternative, a Minimum Conservation Alternative, and a Maximum Conservation Alternative. The Maximum Conservation Alternative (Alternative 1) shifted the majority of the available shoreline acreage toward future preservation, with 11% classified as High Density recreation, 79% classified as Environmentally Sensitive, and 3% classified as Wildlife Management lands. Potential effects from this would be decreased vegetation removal and a reduction in soil erosion due to the reclassification of lands previously included as high density lands, having the potential for construction and conversion of pervious surfaces to impervious. This construction activity is generally detrimental to water quality and terrestrial and aquatic wildlife species. Development has the potential to increase the number of boats on the lake, increased health and safety issues, aesthetic impacts, and impaired recreational experiences for many visitors. The Moderate Conservation Alternative (Selected Alternative 2) also includes the 11% High Density lands, while increasing the 0% of Low Density lands to 3%, with 31% going to Environmentally Sensitive and 50% to Wildlife Management classifications. This action would preserve shoreline vegetation, reduce stormwater runoff quantity and velocity, resulting in less in-lake sedimentation and turbidity, and improve water quality. This action also has the potential to improve health and safety issues, aesthetics, terrestrial and aquatic wildlife habitat. The

Moderate Conservation Alternative seeks to balance all components of lake usage, including the provision for growth and recreation potential, while protecting and preserving terrestrial and aquatic resources. A detailed description of the modifications is located in Chapter 5 of the Master Plan.

10. Bibliography

Arkansas Department of Environmental Quality (ADEQ). Arkansas 2016 Integrated Water Quality Monitoring and Assessment Report, accessed at: https://www.adeq.state.ar.us/water/planning/integrated/

Arkansas Multi-Agency Wetland Planning Team website. Accessed at: www.mawpt.org

2018 Arkansas Natural Heritage Commission. List of State Species of Concern.

2017 Arkansas Parks and Tourism Report.

Bennett, W.J. Jr. and Anne Frances Gettys, 1983 Cultural Resources Survey Millwood Lake Shoreline North Central Arkansas, Archeological Assessments Report No. 34, Nashville, AR.

Blakely, Jeffery A. and W.J. Bennett, Jr., 1988 Cultural Resources Priority Plan for the U.S. Army Engineer District, Little Rock. Archeological Assessments Report No. 76. Report Submitted to US Army Corps of Engineers, Little Rock District.

Carter, L. M., J. W. Jones, L. Berry, V. Burkett, J. F. Murley, J. Obeysekera, P. J. Schramm, and D. Wear, 2014: Ch. 17: Southeast and the Caribbean. Climate Change Impacts in the United States: The Third National Climate Assessment, J. M. Melillo, Terese (T.C.) Richmond, and G. W. Yohe, Eds., U.S. Global Change Research Program, 396-417. doi:10.7930/J0N-P22CB.

Center for Climate Strategies (CCS). 2008. Draft Arkansas Greenhouse Gas 31 Inventory and Reference Case Projections, 1990-2025. Prepared for the 32 Arkansas Governor's Commission on Global Warming. Available at: 33 <u>http://www.arclimatechage.us/Inventory_Forecast_Report.cfm</u>

Executive Order No. 13112. Invasive Species. 3 February 1999.

Executive Order No. 11987. Exotic Organisms. 24 May 1977.

Executive Order No. 13148. Greening the Government Through Leadership in Environmental Management. 21 April 200.

Executive Order No. 13423. Strengthening Federal Environmental, Energy, and Transportation Management. 24 January 2007.

Executive Order No. 13514. Federal Leadership in Environmental, Energy, and Economic Performance. 5 October 2009.

Howard, Lynn, E.1963. Archeological Survey in Millwood Region of Arkansas. Report on file at the U.S. Army Corps of Engineers, Little Rock District.

Kresse, T.M., Hays, P.D., Merriman, K.R., Gillip, J.A., Fugitt, D.T., Spellman, J.L., Nottmeier, A.M., Westerman, D.A., Blackstock, J.M., and Battreal, J.L., 2014, Aquifers of Arkansas— Protection, management, and hydrologic and geochemical characteristics of groundwater resources in Arkansas: U.S. Geological Survey Scientific Investigations Report 2014–5149, 334 p., http://dx.doi.org/10.3133/sir20145149.

Lee, Aubra Lane. 1986. Cultural Resources Investigations at Millwood Lake, Arkansas. Report on file at the U.S. Army Corps of Engineers, Little Rock District.

State of Arkansas, Statewide Comprehensive Outdoor Recreation Plan. (2014-2018). Accessed at: <u>http://www.recpro.org/assets/Library/SCORPs/ar_scorp_2014.pdf</u>

USACE. 2013. Engineer Regulation 1130-2-550, Project Operations, Recreation Operations and Maintenance, Guidance and Procedures. HQUSACE.

USACE. 2013. Engineer Pamphlet 1130-2-550, Project Operations, Recreation Operations and Maintenance, Guidance and Procedures. HQUSACE.

USACE. 2008. Engineer Regulation 1130-2-540, Environmental Stewardship Operations and Maintenance Guidance and Procedures. HQUSACE.

USACE. 2008. Engineer Pamphlet 1130-2-540, Environmental Stewardship Operations and Maintenance Guidance and Procedures. HQUSACE.

USACE. 2013. USACE Dam Safety Program. Accessed at: www.usace.army.mil/Missions/CivilWorks/DamSafetyProgram/ProgramActivities.aspx

USACE. 2013. Little Rock District Water Management website. Accessed at: <u>www.swl-wc.usace.army.mil</u>

United States Census Bureau. 2013. Easy Facts Website. Accessed at: <u>http://www.census.gov/easystats/</u>

11. List of Preparers

EA Preparation

- Robert Singleton, Biologist, Regional Planning and Environmental Center
- Allen Wilson, District Archeologist, Operations Division
- Cherrie Lee Philip, Conservation Biologist, Operations Division

Appendix A

Millwood Lake Master Plan and Shoreline Management Plan Scoping Report

Millwood Lake Master Plan Revision Scoping Report

U.S. Army Corps of Engineers



March 2021

Millwood Lake Master Plan Revision

Scoping Report

March 2021

Prepared by:

US Army Corps of Engineers Little Rock District P.O. Box 867

Little Rock, AR 72203

Table of Contents

Section 1 Introduction	1
1.1 Overview	1
1.2 Purpose and Need for Master Plan Revision	2
1.3 Project Area	3
1.4 Purpose of this Report	3
Section 2 Scoping Process	4
2.1 Overview	4
2.2 Agency Scoping	5
2.3 Public Scoping	5
Notification Database	6
2.3.1 Public Notification Activities	6
2.3.1.1 Direct Mail Notification	6
2.3.1.2 E-mail Notification	7
2.3.1.3 Project Website	7
2.3.1.4 Other Notification Activities	7
2.3.1.5 Website Statistics	7
2.4 Comments Received	8
Section 3 Summary of Scoping Comments	10
3.1 Introduction	10
3.2 Summary of Comments	10
3.3 Comments Related to Question 1 & 2: How Would You Like to See Millwood Lake in 20 Years?	
What Changes, if Any, Would You Like to See at the Lake?	12
3.4 Comments Related to Question 3: What About Millwood Lake is Most Important to You?	12
3.5 Comments Related to Question 4: What about Millwood Lake is Least Important to You?	12
3.6 Please provide your comments and suggestions on items to update the Millwood Lake SMP	13
3.7 Additional Comments	13
3.8 Agency Comments	14
Section 4 Next Steps: MP Revision Process	15
4.1 Next Steps	15
4.2 Comments Related to Question 1	15
4.3 Comments Related to Questions 2 and 3	16

List of Figures

Figure 2-1. Distribution	of Postcard Notification by Zir	9 Code
8	,	

List of Tables

Table 3-1. Summary of Comments Received .	
---	--

Appendices

Appendix A	Agencies and Organizations Notified of Scoping
Appendix B	Agency Notification
Appendix C	Notification Materials
Appendix D	Scoping Materials
Appendix D	Public Scoping Comments
Appendix E	Agency Scoping Comments
Appendix F	Media Coverage

Acronyms

ADA	Americans with Disabilities Act
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulations
EA	Environmental Assessment
EIS	Environmental Impact Statement
EP	Engineer Pamphlet
ER	Engineer Regulation
MP	Master Plan
NEPA	National Environmental Policy Act
NRRS	National Recreation Reservation Service
OMP	Operational Management Plan
P.L.	Public Law
SMP	Shoreline Management Plan
URL	uniform resource locator

Section 1 - Introduction

1.1 Overview

The United States Army Corps of Engineers (USACE) Little Rock District is proposing to revise the Millwood Lake Master Plan (MP) and Shoreline Management Plan (SMP). The MP guides the management of the government-owned and leased lands around the shoreline of the lake. The MP affects future management of natural resources and recreational opportunities to ensure the sustainability of Millwood Lake. The SMP is a comprehensive plan for managing the shoreline, including effects of human activities on the shoreline.

The MP is the guidance document that describes how the resources of the lake will be managed in the future and provides the vision for how the lake should look in the future. The MP does not address the details of how and where shoreline use permits may be issued. After the MP is revised and when funding becomes available, the Operational Management Plan (OMP) for the lake will be revised to be consistent with the goals identified in the MP and SMP.

The current Millwood Lake MP was developed over 40 years ago, and original estimates of future population and land use do not align with current demographics. The MP revision will re-classify the government lands around the lake based on environmental and socioeconomic considerations, public input, and an evaluation of past, present, and forecasted trends.

Preparation of and periodic revisions of an SMP are mandated by federal regulations found at Title 36 of the Code of Federal Regulations (CFR), Section 327.30, which also contains requirements for an SMP. The SMP regulates activities that may occur along the shoreline such as dock construction, improved access paths to docks, and vegetation management on the government lands and waters. The SMP for Millwood Lake establishes policy and furnishes guidelines for the protection and preservation of the desirable environmental characteristics of the shoreline while maintaining a balance between public and private shoreline uses.

The Millwood Lake SMP was last publicly reviewed and revised in 2006. It was administratively reviewed and revised with minor administrative changes in 2012; however, with an update to the MP, it is important that the SMP be updated to reflect current conditions and the management direction as described in the MP. Updates to the plan are expected to include a review of current management practices of the lake and to take advantage of current technologies.

USACE Engineer Regulation (ER) and Engineer Pamphlet (EP) 1130-2-550 with Change 7 and Change 5, respectively, dated January 30, 2013, establish guidance for developing MPs and OMPs for USACE Civil Works projects. MPs are required for feeowned lands, in addition to civil works projects, for which USACE has administrative responsibility for management of natural and manmade resources. The primary goals of a MP are to "prescribe an overall land use management plan, resource objectives, and associated design and management concepts" (EP 1130-2-550). MPs are reviewed every 5 years, and minor changes are made through supplements. A MP that has been excessively supplemented, is out-of-date, or does not serve its intended purpose due to changes in the project should be revised.

USACE will be preparing an environmental assessment (EA) in compliance with the National Environmental Policy Act (NEPA) of 1969 (as amended), the Council on Environmental Quality (CEQ) guidelines (40 Code of Federal Regulations [CFR] Parts 1500-1508), and ER 200-2-2 Procedures for Implementing NEPA. The EA will evaluate the potential environmental effects of the MP and SMP revisions. However, an environmental impact statement (EIS) would be prepared if significant environmental effects are identified during preparation of the EA as a result of the MP and SMP revisions.

1.2 Purpose and Need for Master Plan and Shoreline Management Plan Revisions

The purpose of the project is to review and revise the Millwood Lake MP and SMP. Both plans strive to balance public use of federal lands and waters with the conservation and protection of natural resources for future generations. Updates of the MP and the SMP are needed for the following reasons.

For the MP:

- Ensure accurate land classification and resource protection for future generations.
- The existing plan format and mapping technology is outdated and not compliant with current Master Plan format and technology requirements.
- Current Corps policies/regulations, budget processes, business line performance measures, and priorities are not reflected.
- Customer uses have remained similar, but trends, recreation equipment (i.e. RV size, vessel size, etc.), facility use (amp service, Wi-Fi, etc.), and service demands have shifted since approval of the last master plan in 1974; for example, there has been an increase in visitation, tourism, and adjacent development.
- Demands on fixed resources challenge the existing master plan.
- Partners and stakeholders are engaged with the Corps and seek to increase and sustain benefits provided by the lake.
- Identify issues related to ecosystem stewardship including vegetation and siltation management.

For the SMP:

- Current technology allows for more accurate representation of shoreline allocations.
- Current Corps policies/regulations, budget processes, business line performance measures, and priorities are not reflected.
- Shoreline Management and private development have resulted in environmental and management issues, causing sustainability concerns.
- Partners are increasingly concerned with management of lake resources and impacts to environmental quality.

1.3 Project Area

The Millwood Lake Civil Works project on the Little River is located 16 river miles above its confluence with the Red River, about seven miles east of Ashdown, AR. Millwood Lake was authorized for construction by the Flood Control Act approved 3 July 1958. At conservation pool, the lake has 37,617 acres of land and water with 92 miles of boundary line. The lake provides many recreational opportunities, along with fish and wildlife habitat.

Millwood Lake located in the southwest corner of Arkansas and provides many recreational opportunities. Its 20,000 acres of inundated timber provide exceptional fish habitat for the wide variety of fish. Millwood provides some of the best fishing opportunities and attracts anglers from across the country. Millwood is the natural home to many American alligators that can be spotted in the waters and shorelines of recreation areas. The lake and its surrounding environment make it one of Arkansas's best birding locations. Birders from across the nation come to Millwood to get a glimpse of the over 300 bird species making appearances throughout the year. The U.S. Army Corps of Engineers manages 12 recreation areas around the lake and provides oversight to 4 leased recreation areas: Jack's Isle, Millwood State Park, Patterson Shoals, and Yarborough Landing.

1.4 Purpose of this Report

The following report summarizes the public participation process for, and the public comments resulting from, the Millwood Lake MP and SMP Revision public scoping comment period. "Scoping" is the process of determining the scope, focus, and content of a NEPA document. For a planning process such as the MP and SMP revision, the scoping process was also used as an opportunity to get input from the public and agencies about the vision for the MP update and the issues that the MP should address where possible.
Section 2 - Scoping Process

2.1 Overview

In accordance with NEPA and ER 200-2-2, USACE initiated the environmental compliance and review process for the Millwood Lake MP and SMP revision project. An EA will be prepared to identify potential direct, indirect, and cumulative impacts related to implementation of the MP and SMP. The process of determining the scope, focus, and content of a NEPA document is known as "scoping" and this occurs at the start of the process. Scoping is a useful tool to obtain information from the public and governmental agencies in order to help set the parameters of issues to focus on and analyze.

In March of 2020, a global coronavirus pandemic (COVID-19) was declared. This prompted a lot of changes in the workforce, including USACE implementing telework schedules to keep employees safe and social distanced. In addition, and due to the evolving Federal, State, and Local policies designed to address the spread of COVID-19, the project delivery team (PDT) determined that no in-person agency or public scoping workshops would occur until the threat of the virus subsided. As an alternative, the Millwood Master Plan and Shoreline Management Plan Revision website was created to be the primary source of information during this time. Website information was provided through various sources, such as notification postcards, news releases, agency scoping letters, and media outreach, for individuals to visit the project website to find out more information about the process to update the Master Plan and Shoreline Management Plan of Millwood Lake; to solicit comments for Scoping; and to communicate to the public of the reason behind changing the traditional USACE scoping process in response to the global pandemic. As part of the initial phase of the environmental process, an extended public scoping comment period was held between November 16, 2020, and December 31, 2020, to gather agency and public comments on the MP and SMP revision process and issues that should be examined as part of the environmental analysis. The extension on the comment period was one response to the change in the traditional USACE scoping process due to the pandemic.

In particular, the scoping process was used as an opportunity to get input from the public and agencies about the vision for the MP and SMP update and the issues that the MP and SMP should address. When people visited the Millwood Lake Master Plan update website, they were encouraged to provide input by completing a comment form that asked for responses to specific questions in addition to soliciting for general comments about the plan and the environmental review. The questions included:

- How would you like to see Millwood Lake in 20 years?
- What changes, if any, would you like to see at the lake?
- What about Millwood Lake is most important to you?
- What about Millwood Lake is least important to you?
- Please provide your comments and suggestions on items to update the Millwood Lake SMP.

• Additional Comments on the MP or SMP revision or about issues that should be studied?

USACE published notice of the scoping period through an email blast, a direct mail postcard, press releases, and agency notification letters. The postcard notice and email blast were sent to landowners adjacent to USACE-owned lands around the lake, holders of fishing permits purchased in Arkansas who's listed zip code is within 7 miles of Millwood Lake, dock permit holders, dock builders, timber buyers, and those who held reservations to camp at Millwood Lake campgrounds within the 2019 recreational season. Postcards were sent to those for whom only a postal address was available; all others received the email blast. Agency coordination letters were sent to potentially interested agencies.

2.2 Agency Scoping

Agencies were invited to participate in the scoping process and to provide input on the vision for the Millwood Lake MP and SMP on issues that should be addressed through the environmental assessment. A letter was sent on November 10, 2020, to 19 agencies (Appendix B) providing notification of the upcoming agency scoping comment period and links to the project website where more information could be found.

2.3 Public Scoping

Public scoping is an important element in the process of determining the focus and content of a NEPA document. Scoping helps to identify the range of actions, alternatives, environmental effects, and mitigation measures to be analyzed in depth and helps eliminate from detailed study those issues that are not pertinent to the final decision. Scoping is an effective way to bring together and address the concerns of the public, agencies, and other interested parties.

Notification of the scoping comment period was completed via several forms of media as described further in this section.

Notification Database

USACE maintains a database of stakeholder groups interested in activities around Millwood Lake, which includes dock builders and timber buyers. Other databases maintained by USACE include shoreline use permit holders, and boat slip owners. In addition, USACE developed a list of adjacent property owners based on the databases maintained by the county assessors of the surrounding counties. USACE also compiled a list of parties who had made campground reservations through the Recreation 1 Stop (R1S) reservation system for camping visits at Millwood Lake during the 2019 camping season. Finally, USACE obtained the database of holders of fishing permits purchased in Arkansas whose listed zip code is within 7 miles of Millwood Lake. These combined databases included 1,154 email addresses and 9,415 postal addresses, to which notification was sent about the public scoping comment period and website information.

2.3.1 Public Notification Activities

Strategies to engage the public to participate in the MP and SMP visioning and environmental review processes included (1) making it easy to participate, (2) providing easy-to-understand information that helps people provide informed scoping comments, and (3) ensuring that stakeholders are aware of the planning process and understand how public input will be used. In addition, and as stated earlier, it was important to USACE to communicate to the public why the traditional scoping process had changed during the pandemic—to protect the public and USACE employees and promote social distancing while still achieving the goal of soliciting for comments during the scoping comment period.

Each notification medium was assigned a unique short Uniform Resource Locator (URL) to direct recipients to the project website for more information. This allowed USACE to track how people heard about the scoping period and the master planning and shoreline Management planning processes and evaluate the effectiveness of various notification methods for future projects.

2.3.1.1 Direct Mail Notification

On November 16, a total of 9,415 postcards were mailed to adjacent property owners, private boat slip owners, stakeholders, and holders of fishing permits purchased in Arkansas whose listed zip code is within 7 miles of Millwood Lake. The distribution of postcard recipients is illustrated in Figure 2-1 by zip code. Of these, 1,237 were classified as invalid addresses.

The postcard notification included information on both the MP and SMP revision process, how to provide comments, the comment period closing date, and the project website address. The direct mail postcard is included in Appendix C. The postcard resulted in 42 visits to the project website during the comment period.

2.3.1.2 E-mail Notification

An e-mail blast was sent on November 16, 2020, to approximately 1,154 email addresses. These emails were sent to adjacent property owners, private boat slip owners, boat dock builders, stakeholders, and those listed on the R1S reservation list for whom valid email addresses were available. The information in the email blast was the same as the information on the postcard notification. The email blast resulted in 26 visits to the project website during the comment period.

2.3.1.3 Project Website

A project website, https://www.swl.usace.army.mil/Missions/Planning/Millwood-Lake-Master-Plan-Revision/, was developed for both the MP and SMP revision project. The site included information about Millwood Lake, the MP and SMP revision process, and the scoping process. Information on the scoping process included, how to submit comments and who to contact for more information. Between November 16, and December 31, 2020, 126 people visited the project website.

2.3.1.4 Other Notification Activities

To maximize the coverage of the outreach effort for the scoping period, a media release was sent to local media outlets using the Southwestern Division, Little Rock District, Millwood Media distribution list on November 16, 2020. A copy of the press release is in Appendix C, and copies of the media coverage are in Appendix H.

2.3.1.5 Website Statistics

Each type of media notification (e.g. display ads, postcard, email, etc.) provided a different URL or specific web addresses to the project website. This was done in order to gather information on how people found out about and accessed the project website. The following is a list of the number of people who accessed the website organized by the media notification web address used. In total, the specific project web addresses were used 1,410 times.

- 2.3.1.5.1 First news release and newspaper display ads: 32
- 2.3.1.5.2 Fact Sheet: 5
- 2.3.1.5.3 Email blast: 26
- 2.3.1.5.4 Postcard notification: 42
- 2.3.1.5.5 Agency letter: 12
- 2.3.1.5.6 Comment cards: 6

2.4 Comments Received

The public scoping comment period was from November 16 to December 31, 2020, which provided a 45-day comment period. All interested people were provided opportunities to submit comments on the public website comment form as well as via email, fax, or mail.

In total, approximately 42 comment submittals (letters, emails, comment cards, or oral comments) from members of the public and 3 comment submittals from agencies were received by the end of the comment period. Copies of all the public comments submitted during the comment period are included in Appendix E. Copies of agency submittals are included in Appendix F.



Figure 2-1. Distribution of Postcard Notification by Zip Code

Section 3 - Summary of Scoping Comments

3.1 Introduction

USACE accepted comments on the Millwood Lake MP Revision throughout the entire scoping period from November 16 through December 31, 2020. Agencies, community groups, members of the public, elected officials, and other interested parties submitted 45 letters, e-mails, and comment cards during this period. The summary table (Table 3-1) provides a tally of the topics discussed in the comments.

It should be noted that the combined numbers of comments listed in the following subsections and the summary table will be greater than the total number of comment submissions because most people discussed multiple topics in their submission. Topics covered in the comments included general comments about the plan and the environmental review as well as answers to the following questions:

- How would you like to see Millwood Lake in 20 years?
 What Changes, if any, would you like to see at the lake?
- What about Millwood Lake is most important to you?
- What is least important to you?
- Please provide your comments and suggestions on items to update the Millwood Lake SMP.
- Additional Comments on the MP or SMP revision or about issues that should be studied?

This section contains a summary of comments received during the scoping period. The actual comments may be found in Appendices E and F.

3.2 Summary of Comments

All comments were reviewed and categorized. The full text of each comment is included in Appendices E (public comments) and F (agency comments).

Table 3-1 provides a summary of the comments received during the scoping comment period. While this table does not include every comment received, it provides a general summary of the topics most frequently submitted during the comment period. A more detailed overview of comments follows in Sections 3.3 through 3.9. Several comments were not related to the plan or the environmental review, and these are included in the summary of additional comments in Section 3.7. The full text of all written comments submitted by members of the public or stakeholder organizations is provided in Appendix E. Agency comments are included in Appendix F.

1 abic 5-1. Summary of Comments Received	Table 3-1.	Summary	of Comments	Received
--	------------	----------------	-------------	----------

How would you like to see Millwood Lake in 20 years?				
 Lake Elevation (20) Improve Fishing/Habitat/Species (14) Increase Vegetation Management (12) Dredge the Lake (7) Increase Hiking/Multi-use Trails (1) Campgrounds/Camping (1) Improvements to Recreation Areas (3) 	 No Changes (Same as Today/Preserved) (2) Family Friendly (1) More Shoreline/Erosion Protection (1) Additional Marinas (1) Increase Collaboration with Residents (1) More ADA Facilities/Areas (1) 			
What Changes, if any, would you like to see at the lake?				
 Fishing (15) Improve Navigation/Hazard Buoys (10) Accessibility - Boat Ramps/Campgrounds (3) 	Facility Improvements (2)Additional Marina (1)			
What is most important to you?				
 Fishing (25) Camping (4) Natural Beauty/Pristine/ Peaceful (2) Clean Water/Water Quality (2) 	 Public accessibility Ramps/ Campgrounds (1) Boating (1) Improve Access to Lake/Docks (1) Hunting (1) 			
What is Least Important to you?				
Hunting (3)Camping/Campgrounds (1)	 Restrictions on Shoreline Maintenance (1) 			
Comment Suggestions for the SMP update				
 Improve vegetation for Spawning (4) Remove Invasive Plant Species (2) 	Erosion Control (2)More Boat Docks/Marinas (2)			
Additional Comments				
 Re-open Closed Areas (3) More Access Points (2) More Shoreline/ Erosion Protection (1) Natural Beauty/ Pristine/Peaceful (1) 	 Improve Access to the Lake/Dock (1) Fishing (1) Remove Invasive Species (1) Increase Wildlife Management Areas (1) 			

3.3 Comments Related to Questions 1 and 2:

How Would You Like to See Millwood Lake in 20 Years and What Changes Would You Like to See at the Lake?

The most frequent response to Question 1 was that people want to see improved lake level management on Millwood Lake over the next 20 years (Table 3-1). 20 respondents commented on either raising or lowering the elevation in conjunction with an emphasis on improving fishing habitat/and or species (14 respondents). 15 respondents indicated that they would like to see management practices focus on fishing on Millwood. Another common response was to increase vegetation management on Millwood (12 respondents). This response was also mentioned in relation to the lake elevation changes. In addition, 10 respondents indicated a need for improved navigation buoys on the river channel and hazard buoys on the Lake. A total of seven respondents mentioned they would like to see dredging around the lake. It is important to note lake elevation concern is not within the scope of the Master Plan or Shoreline Management Plan, but instead is within the intent of the Water Control Plan. This scoping report will not address water/lake levels, nor will the MP, SMP, or accompanying EA.

3.4 Comments Related to Question 3:

What About Millwood Lake is Most Important to You?

The top response to what is most important about the lake was fishing on Millwood Lake (Table 3-1). There was a total of 25 respondents indicating this interest. The second most common response to this question was camping with four respondents indicating this as a priority. Of the comments, there were two respondents who indicated that clean water and water quality were most important to them and two respondents said that the natural beauty and peacefulness of Millwood Lake is most important to them.

3.5 Comments Related to Question 4:

What about Millwood Lake is Least Important to You?

The most frequent response to what is least important about the lake included hunting (three comments) followed by one response for camping and campgrounds and one response for shoreline maintenance (Table 3-1). Most of these responses were from people who desired the primary focus for Millwood to be on fishing and increasing fishing habitat on Millwood Lake. It is important to note that this question received fewer responses than any other question on the comment form.

3.6 Comments Related to Question 5

Comment Suggestions for the SMP Update.

Comments provided in this section are consistent with responses provided in the first three questions. The most common suggestion for this section includes four comments to improve vegetation for fish spawning to increase the fishing population on Millwood Lake. Additionally, two respondents would like to see more invasive species removed from the lake. This response coincides with how people would like to see the lake in 20 years with improved fishing/habitat/species and increased vegetation management.

3.7 Additional Comments – Question 6:

Comments contained in letters or emails that did not directly relate to Questions 1, 2, 3, or 4 are summarized in this section. Many commenters provided most of their input into the first two question dialog boxes on the online comment form which at times included specific requests and did not conform to the typical responses. The two most common responses in this section include suggestions to reopen previously closed areas (three comments), and two comments requesting more access points around the lake.

There were also several comments regarding specific areas around the lake throughout the comment form. The number of times a comment was raised by a different respondent is noted in parenthesis.

- Install steps to river downstream from the spillway parking lot
- Improve ramps and ADA fishing piers: Saratoga, Beard's Bluff Park
- Implement erosion control methods around Saratoga landing
- Repair Pier at Yarborough Landing
- Dredge around boat ramps including Saratoga
- Install boat run from Yarborough landing to the main lake
- Sand Yarborough Landing to prevent slipping
- Repair boat ramps at Paraloma, Beard's Bluff, and Saratoga (2)
- Install dock at Cottonshed
- Reopen Paraloma recreation area
- Grade East Run Road by the River
- Install buoys or poles along the Little River (2)
- Repair damaged telephone markers around Highline to the Little Gas Line boat lanes.
- Phone Service near Whites Cliffs
- Weigh-in fish facility at Yarborough Landing similar to Pendleton ramp.

3.8 Agency Comments

Three agencies submitted comments during the scoping period. The official agency letters and emails are included in Appendix F. Agencies that commented during the comment period included:

- Arkansas Department of Environmental Quality
- FEMA Region 6
- U.S. Fish and Wildlife Service

Common input at this stage in the review provided general topics to be mindful of during the update process. All responding agencies requested to continue to be informed throughout the update process and indicated their interest in reviewing a draft document before it goes out for final review and approval.

Agency comments are summarized in this section. The full text of the agency comments is available in Appendix F. Comments not covered in earlier sections or regarding specific areas of the lake include:

- Recommendation USACE take all necessary steps to prevent or minimize erosion of materials and soils into surface waters. (ADEQ)
- Proposed Activities should include measures to protect both the water quality and designated use of the waterways. (ADEQ)
- Ensure coordination with local floodplain administrator and gather the proper floodplain permits prior to work. (FEMA)
- Any proposed changes that would modify the release volumes and schedules or change the existing inundation in upstream tributaries would need to account for possible affects to listed species. (USFWS)
- Lake management modifications that would result in negative or positive effects to federally listed or threatened or endangered species should be in consultation with the U.S. Fish and Wildlife Service Per SEC 7 of the Endangered Species Act. (USFWS)

Section 4 Next Steps: MP & SMP Revision Process

The purpose of scoping is to provide an opportunity for agencies and the public to comment on the purpose and need, the range of alternatives proposed for analysis, and to help the project proponent identify issues that should be evaluated in the NEPA document. USACE also used the public scoping process as an opportunity to gain feedback from the public regarding the scope of the MP and SMP revision.

4.1 Next Steps

The six questions were designed to help USACE elicit input not only on elements of the NEPA process but also on topics of interest to the public and agencies that may be revised or updated in the new MP or SMP. USACE will continue to work closely with the public, agencies, and stakeholder groups to address issues identified through scoping as the draft MP and SMP are developed and evaluated. An EA will be prepared to evaluate potential impacts from changes in both the MP and SMP. However, an EIS would be prepared if significant environmental effects are identified during preparation of the EA as a result of the MP or SMP revisions. The draft MP, draft SMP, and the EA will be made available for review and comment. It is anticipated that this public review would occur in the summer of 2021.

Individual responses to comments provided during scoping are not developed; rather, the draft MP and SMP revisions that will be provided for review and comment will address comments received in a global manner. Where consistent with the purpose of a MP and SMP and where possible under the planning mechanisms available for a MP and SMP, USACE will incorporate the feedback and suggestions provided through the scoping comments.

4.2 Comments Related to Question 1 & 2

Question 1 "*How would you like to see Millwood Lake in 20 years?*" and question 2 "*What changes, if any, would you like to see at the lake?*" provides direction to USACE on both the MP and SMP vision and on issues of concern to lake users and stakeholders that should be evaluated through the NEPA process. Continued focus on fishing, improving fish habitat, vegetation management, navigation/ hazard buoys, siltation, and improving recreational areas ranked highly among the concerns raised in response to this two-part question. These resource categories will be addressed in the draft MP and SMP revisions, and potential impacts to these resource categories will be evaluated in the NEPA document.

4.3 Comments Related to Questions 3 and 4

Question 3 "What about Millwood Lake is most important to you?" and Question 4 "What is least important to you?" invited respondents to prioritize issues, features, or qualities of the lake experience that were important. This question provides insight both into issues that should be addressed in the MP and SMP revisions and that should be evaluated in the NEPA document. Top concerns were related to fishing, camping, and natural beauty, and peacefulness of the lake. The top concern related to what was least important was hunting.

4.4 Comments Related to Question 5

Question 4 "Additional comments on the Master Plan revision or about issues that should be studied?" helps USACE identify additional priorities for action, whether through the MP revision or other means. It is important to note that much of the input on the comment cards were provided within the first two question blocks on the online comment form. Input that was provided in this section included a heavy focus on fishing and improving fishing habitat through better vegetation management practices, dredging due to heavy siltation, reopening closed recreational areas, and areas to access Millwood Lake were topics people would like to be taken into consideration.

Appendices

Appendix A	Agencies and Organizations Notified of Scoping
Appendix B	Agency Notification
Appendix C	Notification Materials
	Direct Mail
	Postcard
	Email Blast
	Press Releases
Appendix D	Scoping Materials
	Scoping Fact
	Sheet Comment Card
Appendix E	Public Scoping Comments
Appendix F	Agency Scoping Comments
Appendix G	Media Coverage

Appendix A

Agencies and Organizations Notified of Scoping

Agencies

- Arkansas Forestry Commission, Assistant State Forester
- Arkansas Game and Fish Commission, Director
- Arkansas Natural Heritage Commission, Director
- Arkansas Historic Preservation Program, Director
- Arkansas Natural Resources Commission, Executive Director
- Arkansas Department of Parks and Tourism, Director
- Arkansas Department of Energy and Environment, Secretary
- Cultural & Historic Preservation Office, Director Environmental Protection Agency, Region 6 Environmental Review Coordinator
- Department of finance and Administration, Arkansas State Clearing House
- Environmental Protection Agency, Region 6 NEPA Specialist
- FEMA, Region 6 Administrator
- Shawnee Tribe
- The Nature Conservancy, State Director
- Tribal Historic Preservation Office, The Osage Nation, Director
- Tribal Historic Preservation Office, The Quapaw Tribe of Indians
- Tribal Historic Preservation Office, Cherokee Nation, Special Projects Officer,
- U.S. Department of Agriculture, Natural Resources Conservation Service, State Conservationist
- U.S. Fish and Wildlife Service, Regional Director
- U.S. Fish and Wildlife Service, Arkansas Field Office, Field Supervisor
- U.S. Geological Survey, Southeast Region Hydrologist
- U.S. Department of the Interior, Office of Environmental Policy and Compliance, Regional Environmental Officer
- U.S. Department of the Interior, Office of Environmental Policy and Compliance, Program Analyst

Organizations

Dock Builders

- Williamson Boat Docks Inc.
- Super Duty Docks & Lifts
- Deck, Docks & More Inc.
- Larry Diggs Construction Inc.
- Justin Simmons Construction LLC

Timber Buyers

- Domtar Ind.
- Weyerhaeuser
- Little River Hardwoods
- Millwood Corporation
- Hess Lumber Company Lovewell Timber Harvest
- Huber Engineered Woods LLC
- International Paper
- Magnolia Pulpwood Company
- Anthony Timberlands
- Prescott Land and Timber Co.

Appendix B

Agency Notification



DEPARTMENT OF THE ARMY LITTLE ROCK DISTRICT, CORPS OF ENGINEERS POST OFFICE BOX 867 LITTLE ROCK, ARKANSAS 72203-0867 www.swl.usace.army.mil/

November 10, 2020

CESWL-PM

Ms. Nekole Allogood Director Deleware Nation Cultural & Historic Preservation Office P.O. Box 825 Anadarko, OK 73005

Dear Ms. Allogood:

The U.S. Army Corps of Engineers (USACE), Little Rock District, is revising the Millwood Lake Master Plan, last updated in 1964, and the Shoreline Management Plan, which was last updated in 2012. Pursuant to the National Environmental Policy Act (NEPA) of 1969 (P.L. 91-190) Environmental Assessments (EA) of potential impacts of both draft plans will also be prepared. Your agency is invited to provide comments and input to assist USACE with development of the Master Plan and the Shoreline Management Plan, and with preparation of the EA's under NEPA.

The Master Plan guides the management of government-owned and leased lands around the lake. Decisions about land use classifications in the Master Plan may affect future management of natural resources and recreational opportunities. The purpose of the update is to bring the Master Plan into compliance with current USACE policies and regulations, identify usage trends and customer needs, and balance shoreline uses with natural resource management. Updates to the plan are expected to reflect current and anticipated development around the lake and to take advantage of current technologies.

The Shoreline Management Plan establishes policy and furnishes guidelines for the protection and preservation of the desirable environmental characteristics of the shoreline while maintaining a balance between public and private shoreline uses. The Shoreline Management Plan main objectives are to manage and protect the shoreline, to establish and maintain acceptable fish and wildlife habitat, aesthetic quality and natural environment conditions and to promote the safe and healthful use of the lake and shoreline for recreational purposes by all Americans. Updates to the plan are expected to review current management practices of the lake and to take advantage of current technologies.

Your agency has been identified by the USACE as one that may have an interest in this project. The land classifications established through the Master Plan may have important implications for surrounding residential communities, businesses, parks, and natural areas. The private use of government owned and leased lands established through the updated Shoreline Management Plan may have important implications for surrounding residential communities, businesses, parks, and natural areas. As a result, USACE is requesting your input and agency's expertise to assist in the development of the updated Master and Shoreline

Management Plans and the preparation of Environmental Assessments as required by NEPA and the USACE Engineer Regulation ER 200-2-2 "Procedures for Implementing NEPA".

Input from the agencies and the general public will help define the needed revisions to both draft plans, which is scheduled for public review in the summer of 2021.

Due to the evolving Federal, State, and Local policies designed to address the spread of COVID-19, the Corps will not hold our traditional public and agency Scoping workshops. We invite you to visit our website, https://go.usa.gov/x7Wns, to provide comments/suggestions for the Master and Shoreline Management Plan updates.

The planning process will include an analysis of potential effects on the natural and social environment, including fish and wildlife, recreational opportunities, economics, land use, cultural and historic resources, aesthetics, and public health and safety. USACE is involving agencies and the public in the planning process for both the Master and Shoreline Management Plan updates and the NEPA analysis.

In addition to providing comments/suggestions to the above website, your agency may also submit comments via mail, email, or fax with attention to: USACE, Little Rock District, ATTN: NRM Planner, P.O. Box 867, Little Rock, AR 72203, Fax: (501) 324-6230, Email: CESWL-MilwoodLakeMPandSMPRevision@usace.army.mil, Website: https://go.usa.gov/x7Wns Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by 31 December 2020. If we do not hear from you within this time period, we will assume your agency has no comments at this time.

If you have any questions regarding this process please contact Dana Coburn, Project Manager, at (501) 324-5601 or via email at <u>dana.o.coburn@usace.army.mil</u>

Sincerely,

Dana Coburn Project Manager Programs and Project Management Division

Appendix C Notification Materials

- Direct Mail Postcard
- Email Blast
- Press Releases

Millwood Lake Master Plan and Shoreline Management Plan Update



PUBLIC SCOPING NOTIFICATION

The Army Corps of Engineers, Little Rock District, is updating the Millwood Lake Master Plan (MP) and Shoreline Management Plan (SMP).

The MP guides the classification and management of public lands around the lake and influences future recreational opportunities and natural resource management.

The SMP establishes policy and furnishes guidelines for the protection and preservation of the environmental characteristics of the shoreline, while maintaining a balance between public and private shoreline use.

Pursuant to the National Environmental Policy Act (NEPA), an Environmental Assessment of potential impacts of both draft plans will also be prepared.

IMPORTANT COVID-19 UPDATE: Due to the evolving Federal, State, and Local policies designed to address the spread of COVID-19, the Corps will not hold our traditional public workshops at this time. We invite you to visit our website, address provided below, to find out information about the process to update both the master plan and shoreline management plan for Millwood Lake. You will be able to provide comments through the website. If you have questions, voicemail and email options will be provided and you will receive a response.

We want to hear from you! Please visit our website:

https://go.usa.gov/x7Wny

for current information or to submit comments.

Visit our website to learn the details of the MP and SMP update process. Your input will help define the Millwood Lake MP and SMP Update scheduled for public review in 2021. Staff will be available to answer your questions by either a response phone call or email response. Find out how to leave a question on our website!

BUILDING STRONG



US Army Corps of Engineers® Little Rock District P.O. Box 867 Little Rock, AR 72203

> We want to hear from You! Millwood Lake Master Plan and Shoreline Management Plan Update

> > https://go.usa.gov/x7Wny

MILLWOOD LAKE MASTER PLAN & SHORELINE MANAGEMENT PLAN REVISION

The Army Corps of Engineers, Little Rock District, is updating the Millwood Lake Master Plan (MP) and Shoreline Management Plan (SMP).

The MP guides the classification and management of public lands around the lake and influences future recreational opportunities and natural resource management.

The SMP establishes policy and furnishes guidelines for the protection and preservation of the environmental characteristics of the shoreline, while maintaining a balance between public and private shoreline use.

Pursuant to the National Environmental Policy Act (NEPA), an Environmental Assessment of potential impacts of both draft plans will also be prepared.

"Scoping" is the process of determining the scope, focus, and content of master plan and shoreline management plan update documents. For a planning process such as the MP and SMP revision, the scoping process is used as an opportunity to get input from the public and resource agencies about the vision for the MP/SMP update and the issues that the MP/SMP should address where possible.

IMPORTANT COVID-19 UPDATE: Due to the evolving Federal, State, and Local policies designed to address the spread of COVID-19, the Corps will not hold our traditional public workshops at this time. We invite you to visit our website, address provided below, to find out information about the process to update both the master plan and shoreline management plan for Millwood Lake. You will be able to provide comments through the website.

We want to hear from you! Please visit our website: <u>https://go.usa.gov/x7Wnf</u> for current information or to submit comments.

Visit our website to learn the details of the MP and SMP update process. Your input will help define the Millwood Lake MP and SMP Update scheduled for public review in 2021. Staff will be available to answer your questions by either a response phone call or email response. Find out how to leave a question on our website!

Comments may be submitted via mail, email, or fax with attention <u>to:</u> Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: (501) 324-6230, Email: <u>CESWL-MillwoodLakeMPandSMPRevision@usace.army.mil</u>

Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 31st, 2020.

PRIVACY ACT STATEMENT INSTRUCTIONS

AUTHORITY: ER 1130-2-406, and the laws and regulations referenced therein. PRINCIPAL PURPOSE(S): To provide a means for the maximum practicable public participation in Shoreline Management Plan formulation, preparation and subsequent revisions, through the use of public meetings, group workshops, open houses or other public involvement.

ROUTINE USE(S): Information you provide will be available for public review or may be disclosed to members of the Department of Defense or other Government agencies who have a need for the information in performance of their official duties, and where use of such information is compatible with the purpose for which the information is collected.

DISCLOSURE: Voluntary; however, failure to furnish the requested information may prevent the Agency from being able to direct meeting notices or provide additional information to commenters.





BUILDING STRONG®

U.S. ARMY CORPS OF ENGINEERS

Release No: 88-20 Release: Immediately Nov. 16, 2020 Media Contact: Public Affairs Office, 501-324-5551 <u>CESWL-PA@usace.army.mil</u> Media after hours: 501-563-6835

USACE seeks public input for the Millwood Lake Master Plan and Shoreline Management Plan revision process

Ashdown, Ark. – The U.S. Army Corps of Engineers is notifying the public that the scoping comment period for the Millwood Lake Master Plan and Shoreline Management Plan revisions will begin November 16.

"Scoping" is the process of determining the scope, focus, and content of MP and SMP update documents. For a planning process such as the MP and SMP revision, the scoping process is used as an opportunity to get input from the public and resource agencies about the vision for the MP and SMP update and the issues that the MP and SMP should address where possible.

The MP guides the management of the government lands around our reservoirs. It also affects future management of natural resources and recreational opportunities to ensure the sustainability of Millwood Lake. The planning process will include an analysis of potential effects on the natural and social environment, including fish and wildlife, recreation opportunities, economics, land use, cultural and historical resources, aesthetics, and public health and safety.

--MORE--

The SMP for Millwood Lake establishes policy and furnishes guidelines for the protection and preservation of the environmental characteristics of the shoreline while maintaining a balance between public and private shoreline uses.

Due to the evolving Federal, State, and Local policies designed to address the spread of COVID-19, USACE will not hold traditional public workshops at this time.

To find out more about the Millwood Lake MP and SMP and to submit a comment visit the Millwood Lake MP and SMP webpage at: <u>https://go.usa.gov/x7WQv</u>. Comments are due by December 31, 2020.

--30--

U.S. ARMY CORPS OF ENGINEERS – LITTLE ROCK DISTRICT 700 West Capitol, Little Rock, AR 72201 http://www.swl.usace.army.mil/Media/NewsReleases.aspx

Appendix D

Scoping Materials

Millwood Lake Master Plan and Shoreline Management Plan Revisions

The Army Corps of Engineers (USACE), Little Rock District, is revising the Millwood Lake Master Plan and the Millwood Lake Shoreline Management Plan. The Master Plan guides the management of the government lands around the lake. The Master plan affects future management of natural resources and recreational opportunities to ensure the sustainability of Millwood Lake.

The Master Plan revision sets the stage for the Shoreline Management Plan, which is how the vision of the Master Plan is implemented.

The SMP for Millwood Lake establishes policy and furnishes guidelines for the protection and preservation of the environmental characteristics of the shoreline while maintaining a balance between public and private shoreline uses.

The planning process will include an analysis of potential effects on the natural and social environment, including fish and wildlife, recreation opportunities, economics, land use, cultural and historical resources, aesthetics, and public health and safety.

This is your opportunity to let USACE know how you would like the lake to be managed for the future.

For More Information Visit Our Website at: https://go.usa.gov/x7WQg



The Millwood Lake Civil Works project on the Little River is located 16 river miles above its confluence with the Red River, about seven miles east of Ashdown, AR. Millwood Lake was authorized for construction by the Flood Control Act approved 3 July 1958. The lake has 37,616 acres of land and water with 92 miles of boundary line. The lake provides many recreational opportunities, along with fish and wildlife habitat.



Why Update the Millwood Lake Master Plan?

around the lake based on environmental and socioeconomic considerations, public input, and an evaluation of past, present, and forecasted trends. The current Millwood Lake Master Plan was developed more than 40 years ago and is outdated. The master plan revision will classify the government lands

Lands may be classified into one of these categories:

- Project Operations: lands required for the dam, spillway, offices, and other areas used solely for the operation of the reservoir
- Shoreline Use Permits should not be allowed in these areas. High Density Recreation: lands acquired and designated for use as parks or other areas for intensive recreational activities by the visiting public
- are managed to protect environmental resources Environmentally Sensitive Areas: lands designated for areas where scientific, ecological, cultural, or aesthetic features have been identified. These areas
- uses may also occur on these lands; these additional uses may include: Multiple Resource Management Lands: This classification allows for the designation of a predominant use with the understanding that other compatible
- activities by the visiting public. Shoreline Use Permits may be permitted in these areas in accordance with the shoreline management plan. Low Density Recreation: lands classified for use for activities such as hiking trails, primitive camping, limited lake access points, and other similar
- Wildlife Management: lands allocated as habitat for fish and wildlife and are generally open for hunting and fishing.
- Future/Inactive Recreation Areas: Lands intended for recreation, but which were never developed or have been closed
- Vegetative Management: Lands designated for stewardship of forest, prairie, and other native vegetative cover
- Water Surface: For those projects that administer a surface water zoning program, this will be included in the Master plan revision process
- Restricted: Water areas restricted for project operations, safety, and security purposes
- Designated No-Wake: To protect environmentally sensitive shoreline areas, recreational water access areas from disturbance, and for public satety
- Fish and Wildlife Sanctuary: Annual or seasonal restrictions on areas to protect fish and wildlife species during periods of migrations, resting feeding, nesting, and/or spawning
- Open Recreation: Those waters available for year-round or seasonal water-based recreational use

management plan, which implements the master plan. These land and water classifications are established in the master plan and will guide future updates to the operation management plan and shoreline

What is a Shoreline Management Plan (SMP)?

while maintaining environmental safeguards to ensure a quality resource for use by the public. Works water resource development projects under Corps jurisdiction in a manner which will promote the safe and healthful use of these shorelines by the public The Millwood Lake Shoreline Management Plan is the required USACE approval document (ER 1130-2-406) that protects and manages the shorelines of all Civil

and natural environment conditions and to promote the safe and healthful use of the lake and shoreline for recreational purposes The Millwood Lake SMP main objectives are to manage and protect the shoreline, to establish and maintain acceptable fish and wildlife habitat, aesthetic quality

Millwood Lake Master Plan and Shoreline Management Plan Revision and Environmental Assessment Comment Form



Please use this form to provide comments and suggestions about how you would like to see the Millwood Lake Master Plan and Shoreline Management Plan revised; or provide comments on the issues that should be studied before a decision is made on Master Plan and Shoreline Management Plan revisions. Feel free to take an extra form to provide to friends or neighbors and send the forms back, before December 31, 2020, to USACE at the addresses below.

(Optional Information)
Name/Organization:
Address:
E-mail:
Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the lake?

What about Millwood Lake is most and least important to you?____

Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP). Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how could the lake permits be better managed. Please be a specific as possible.

Additional comments on the Master Plan or Shoreline Management Plan Revision or about issues that should be studied.

Comments may be submitted via mail, email, or fax with attention to: Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203.

Fax: (501) 324-6230, Email: CESWL-MillwoodLakeMPandSMPRevision@usace.army.mil

Website: https://go.usa.gov/x7Wnv

Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 31, 2020.

PRIVACY ACT STATEMENT INSTRUCTIONS

AUTHORITY: ER 1130-2-406, and the laws and regulations referenced therein.

PRINCIPAL PURPOSE(5): To provide a means for the maximum practicable public participation in Shoreline Management Plan formulation, preparation and subsequent revisions, through the use of public meetings, group workshops, open houses or other public involvement.

ROUTINE USE(S): Information you provide will be available for public review or may be disclosed to members of the Department of Defense or other Government agencies who have a need for the information in performance of their official duties, and where use of such information is compatible with the purpose for which the information is collected.

DISCLOSURE: Voluntary; however, failure to furnish the requested information may prevent the Agency from being able to direct meeting notices or provide additional information to commenters.

Postage Required

Millwood Lake MP & SMP Planner Natural Resources Management Section Little Rock District, U.S. Army Corps of Engineers P.O. Box 867 Little Rock, AR 72203

-----Fold Here-----Fold Here-----

Tape ends before mailing

Appendix F Public Scoping Comments

Address:

AR US

E-Mail:

Phone: How would you like to years? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

see Millwood Lake in 20 Install steps below the spillway from the parking lot to the rivers edge. Do this on sides downstream of the spillway. This will help improve bank fishing access.

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: 01471e55-0d45-4ab9-ab27-d67d51aceafe HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 2600:100b:b11b:6086:31a4:7967:9d97:772c

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

I would like to see Millwood be the incredible lake that many east Texas lakes are. The potential is there if more attention was paid towards stocking Florida strain bass. Millwood could be an incredible draw for in state and out of state fishermen.

While I realize that many will differ in my opinion, I think more emphasis is placed on duck hunting than fishing. Duck hunting has such a short season compared to fishing.

Millwood needs dredging in several areas, the lake run poles need repair in several areas and some type of highly visible striping should be placed on the poles. Bouys are frequently missing in very dangerous areas and the lake could benefit from raising the average pool by 2 feet.

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: 387bc520-aa6c-4d79-abdb-329244a13f29 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 2604:cb00:236:fa00:145b:d953:9968:791c

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:

What about Millwood Lake is most and least important to you: Please provide your

comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

I would like to see a 4 foot drawdown in the summers like was done in the past to harden the bottom and increase vegetation on the main lake. After the flood several years back there is nothing on the main lake and that is hurting in my opinion.

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: d739137e-2773-47a6-986d-da81783af49b HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 75.117.255.148

Address:	Privacy Act of 1974, 5 U.S.C. §
E-Mail:	552a
Phone:	
How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:	To be fishable again and cleaned up
What about Millwood Lake is most and least important to you:	Fishing most important and hunting on it as least important
Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments - Please provide any other comments on the Master Plan or Shoreline Management Plan - or - provide information about issues you feel deserve more study:	Have a drawdown every winter to kill out the grass and lily pads that have choked the lake almost out. Then raise it back up before spring to 4-5 ft high for a week or so then lower it back to normal pool. Kill the comrants and alligators because the lake is full of both

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: baf60b29-6d78-4b77-ba04-3577291829f5 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 2600:1700:d750:ade0:f4dc:84b2:cbf:ce2d
Name / Organization:	
Address:	Privacy Act of 1974, 5 U.S.C. §
E-Mail:	552a
Phone:	
How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:	 Allow more alligator tags per year, entirely to many alligators. Lower the water level one foot (12") during late summer early fall. (July-October). Raise the water three feet (two feet above normal during winter). Then keep the water one feet at minimum above normal during spring months to allow fish to spawn without being disturbed. Repeat this for 2 years and study results. Bring the largemouth bass length limit back to 16" and 3 fish per person. Only release fingerlings when the water is one foot above normal instead of drawing three feet of water off the lake and confining all the fish to the deeper pools where the 100,000+/- get eating instead of growing. Put more river buoy's in the river channel for unexperienced boaters traveling through river channel
What about Millwood Lake is most and least important to you:	Most important is clean water for all wildlife. Fish, deer, duck, etc
Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments - Please provide any other comments on the Master	Find a way to relocate the old vegetation that has the mouths of the creek channels and small oxbows choked up. Places that used to be accessible in an outboard flat bottom are no longer.

Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study: Help the largemouth bass population more than any other fish. It's embarrassing of the weights that win tournaments compared to what was winning 15-20 years ago.

HTTP_CMS_CLIENT_IP:

HTTP_X_ARR_LOG_ID: 2e0f77af-b850-4587-88c9-031f9f27d279 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 2600:100b:b12c:9eab:31cf:b6ba:cda8:33a5

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:

What about Millwood Lake is most and least important to you:

Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline

Management Plan - or -

Privacy Act of 1974, 5 U.S.C. § 552a

Would like to see piers built on Millwood in good spots over deeper waters so our wounded warriors and handicapped have a place to go and enjoy fishing. I watch them try to fish at the landings and get threatened by rangers because they are fishing on the boat ramps. They tore down our Docks because they weren't built to withstand high water. The piers should be handicap accessible. I helped build piers on the ocean. Its not that hard to build them to withstand weather and floods. The other thing is bathrooms at the landings. Alot more people would visit if they could use a restroom without having to drive a half mile to get to one. Also make a slip that has a wheelchair lift and a steady beam to help boaters that are handicapped. Also we need to have at least a foot of water added to the lake level at normal pool. Most important about Millwood would be access for ALL PEOPLE, HANDICAPPED AND WHEELCHAIR ACCESABILITY AND THE DOCKS BACK AT THE LANDINGS. Saratoga landing has been left behind on upgrades and piers. The least important thing about it is stump removal. I

Shoreline erosion is really bad on the Saratoga side of the Okay point. I think a little deeper average would help on the wave action more. Its too shallow so it makes faster waves. Also the Westview Road ramp was blocked off by a civilian and stopped alot of people from being able to fish. This is one spot that was perfect for handicap and wheelchairs could fish from. Its a high bank and pretty smooth. Its also a good landing. I wish yall could do something about this one. So many people fished this place. One guy decided that it was off limits and put a cable up. Also the jetti at Saratoga landing could be made a concrete pathway in the middle for the elderly and handicap. Please do something for our vets and the handicap.

think we need more fish shelters and habitat

This lake is so shallow at Saratoga landing that you could make a concrete walkway and seawall together and have fishing and

protection for the bank all in one.

provide information about issues you feel deserve more study:

HTTP_CMS_CLIENT_IP:

HTTP_X_ARR_LOG_ID: e7479866-4358-4e45-94d9-e1f65b92e887 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 2600:100b:b104:1f0f:0:35:209a:4401

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:

What about Millwood Lake is most and least important to you:

Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information

about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

I would first want to see more spots to bank fish. I would love to see a dock put back over on beards bluff. Fix the boat ramps at paraloma, beards bluff, and saratoga. Raise the normal pool up 2 ft. Cut back on water release during mid spring and fall. We need to fix the open dock on yarbrough landing. I love to fish millwood and would love to be able to fish it in 20 years.

Open up more alligator tags.

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: 57e70bb7-efaa-499d-89d0-d9b69aaedb18 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 2600:100b:b12c:21c9:311f:f046:34db:74c5

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:

What about Millwood Lake is most and least important to you:

Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible:

Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

I would like to see it as one of the best fishing lakes in the state. If not the best. In my opinion Millwood is the best lake in the state to fish but that is not in a lot of other peoples point of view. A lot of people that have fished the lake for 20 plus years will tell you the lake used to be a lot better 10 years ago than today. It is a great crappie lake but I am the bass fisherman.

Safety of the lake(boat lanes and buoys and fishing quality is most important.

Hunting can be important

Least important.....

I would like to see information on the yearly drawdowns of the lake compared to drawdowns of the lake in a time segment of three to four years.

I have had older locals tell me that the lake fished a lot better when the drawdowns were not yearly like it has turned into the last five to ten years.

I tried going through the documents and seeing what the info talked about on drawdowns. I may have missed it.

I think the lake has great camp sites / parks. Very nice. Clean and enough places to park. I have been impressed with the lake. I have grown up fishing central Ar and Hot Springs lakes. I have lived down here for three years and Millwood has turned into my favorite place to fish. When I talk to locals they make it seem like it used to be a lot better place to fish....

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

Change full regular pool to a foot or two foot higher than what it is now. Put a plan in place for siltation or possible even dredge out places that are already silted in. Draw down more than 2 foot to make main lake habitat better.

Bass fishing is the most important to me.

I think work needs to be done with siltation and habitat or the lake as a resource is going to go down hill quick.

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: bb044eca-9ecf-46ac-929f-084cc94c2cf1 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 173.218.171.195

Name / Organization:	
Address:	Privacy Act of 1974, 5 U.S.C. §
E-Mail:	552a
Phone:	
How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:	Better than it is now! Used to be a great bass lake, been terrible for last 15 years.
What about Millwood Lake is most and least important to you:	Most important- should be the fishing destination it was many moons ago.
Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please	Fix all boat ramps. Docks at each major boat ramp. Stop the rise and fall of the water all the time. Can't fish most of the river due to too much vegetation. Ducks should not be the #1 priority. Return grass to the main lake.
be as specific as possible: Additional Comments - Please provide any other comments on the Master Plan or Shoreline Management Plan - or - provide information about issues you feel deserve more study:	It is sad for me to see Millwood become a laughing stock among the lakes in our area. Best suggestion I have heard in years is to drain it and introduce prairie dogs so at least it would be worth a trip. Fix Millwood Please

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: 663cd02d-78c8-4c43-8262-d6f60bfd9adf HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 174.126.82.189

From:	noreply@dma.mil
To:	CESWL-MillwoodLakeMPandSMPRevision
Subject:	Public Comment Submission for Millwood Lake SMP / MP
Date:	Wednesday, December 9, 2020 4:45:03 PM

Address:	Privacy Act of 1974, 5 U.S.C. §
E-Mail:	552a
Phone:	
How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:	I would like to see an 18" rise in normal pool if that is possible. Summer time 4' draw down every other year. Finally implement some sort of vegetation and sedimentation plan that will help in navigating the lake.
What about Millwood Lake is most and least important to you:	Most important thing to me about the lake is fishing. The least important thing would probably be holding homeowners accountable and fining them for cleaning up brush from so they can see the lake from their back porch.
Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments - Please provide any other comments on the Master Plan or Shoreline Management Plan - or - provide information about issues you feel deserve more study:	Allow citizens to help with shoreline clean up. We can all work together to make Millwood a prettier lake. Allow more boat docks.

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: e1c24638-916e-4733-b545-e349593e6707 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 2600:100b:b10a:3ab0:c8f3:e962:f2f3:abe4 From: <noreply@dma.mil <<u>mailto:noreply@dma.mil</u>>> Date: Mon, Nov 16, 2020 at 5:25 PM Subject: Public Comment Submission for Millwood Lake SMP / MP

Privacy Act of 1974, 5 U.S.C. § 552a

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like: I want to express how much I have enjoyed camping at the Cottenshed Area camp grounds over the years. My companion and I have stayed there four or five times and relish the beauty and peacefulness of the area. The camp hosts have always gone above and beyond to help us and check on us. It is truly a unique area and I would like to see the Corp continue to maintain it.

Thank you for allowing me to tell you about the great job the Corp does at Cottenshed.

Privacy .. of 1974, 5 U.S.C. § 552a

What about Millwood Lake is most and least important to you: Cottenshed! Keep it beautiful! Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Perhaps another dock at Cottenshed! Additional Comments - Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study: The Army Corp of Engineers is doing a fantastic job at Millwood!

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: aff44064-6eed-4711-ba9f-5df35b5cba98 HTTP_ORIGIN: <u>https://www.swl.usace.army.mil</u> <Blockedhttps://www.swl.usace.army.mil> HTTP_TRUE_CLIENT_IP: 72.200.230.245

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or -

provide information about issues you feel deserve more study: Privacy Act of 1974, 5 U.S.C. § 552a

Raise the lake level 2' and hold . This would provide excellent cover for all fish .

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: 329a3f74-7a8c-44d9-b88b-ab1caee2270a HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 69.30.153.197

Address:

E-Mail: Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like: What about Millwood

Lake is most and least important to you:

Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible:

Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

Dredge lake out in front of woodline and make several Islands that stand 2 to 3 feet above normal pool.

I grew up fishing the lake. It is one of the best lakes around. Great for camping and fishing. Don't think anything not imprtant.

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: e73c473b-465c-45ab-b757-fb19469eadda HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 216.238.5.91

Name / Organization:	
Address:	Privacy Act of 1974, 5 U.S.C. §
E-Mail:	552a
Phone:	
How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:	I am not sure how to change the silting problem on Millwood, but in my opinion this is the biggest problem with the lake. The main lake is almost unfishable in many areas. Over the last 20 years the silt has filled in most areas used by bass. This lake was so much better 10 years ago than it is today. I have seen little good in the draw downs that have taken place except for the detrimental effect that it has on the fish population. I knw Millwood will never be what it was back in the 1st 30 years, but I don't understand why it has silted in like it has. I have heard there was talk about raising the lake level 2 feet permanently. I think that would be a good thing. I would like to know how that would effect the silting problem.
What about Millwood Lake is most and least important to you:	The most important is the Bass population in the lake. The catfish and crappie are going to thrive in this lake no matter what you do, but the bass need some hard bottom. I would like to see the hydrilla come back in the main lake. This would help the tourism in our area. Texas has figured out that Bass fishing draws a big crowd. This is the part that I wish Arkansas would figure out. I drove to Toledo Bend last week just to go bass fishing. People would do the same thing here.
Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments - Please provide any other comments on the Master Plan or Shoreline	I am not sure about this part of the plan.

 From:
 noreply@dma.mil

 To:
 CESWL-MilwoodLakeMPandSMPRevision

 Subject:
 Public Comment Submission for Millwood Lake SMP / MP

 Date:
 Wednesday, December 9, 2020 10:59:56 PM

Name / Organization:

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

Millwood needs more cover or grass for the fish to grow. This would include a draw down in the summer to let the grass grow and get a harder bottom. Also put a season on the water turkeys because between them and the pelicans they are destroying the fish population!!

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: f2b5d52a-1850-4e16-96f8-24d3fb3a5454 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 96.45.228.237

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:

What about Millwood Lake is most and least important to you:

Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning. current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

I would like to see you all the campgrounds and recreation areas such as Paraloma opened and maintained again. This is somewhere that my dad took me and my brothers and told us so much about the outdoors now that I have kids of my own I would like to be able to take them down there and teach them the way that I learned about the area. Another thing I would like to see you somewhere on the lake would be a new active marina or you could get fuel and basic supplies while you were out on the lake without having to pull out and go all the way to Lockesburg or Ashdown.

The most important thing about the lake to me is having a quality place with such a diverse amount of wildlife to be able to take your family and teach them about the outdoors and different species that live in our area.

Something to maybe consider for people who are just beginning to get out and experience all that Millwood like house to offer especially boating we should look into putting signs around the boat ramps about all the tree stumps and the dangers they pose to reduce boating accidents to those who were unaware of all the things just beneath the water level when the lake is up.

I think you should reach out to the public and get their opinions on the updating of recreational areas around the lake and how to make the outdoor experience better and more family friendly for the generations to come so that we can leave it better than how we found it.

Address:

To:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:

What about Millwood Lake is most and least important to you:

Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible:

Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

In 20 years I would like to see Millwood Lake producing and running smoothly. I would love to see Millwood producing a lot of big fish and having more tournament and wide spread fame. I think Millwood has exceeded a lot of expectations, but I believe it still can have a lot of potential for many things. It is a great lake that could possibly be even better. It has the potential to produce fish 8 or better regularly and even be better than that.

Millwood is most important to me in many ways. I fish a lot of tournaments and fun fishing out there. Most of my family spends weeks at a time out there camping and fishing. It is a great place for a lot of things. It is important for fun and good time with family and friends.

I know this may be out of your control, but I think more docks on the lake would be a good thing to have. Maybe a less extensive process to own a dck could help potentially. Some vegetation is a little out of control in certain places along the river in the backs of creeks or on the lake. But, the vegetation is a good thing and I believe it doesn't need to be sprayed or anything. The vegetation is a great thing all over the lake. I know on the lake side there is not as much hydrilla as there used to be. I think a hydrilla comeback could be a major bonus on the lake. Obviously there is a lot of timber throughout the lake which is a major advantage too. Addition of rocks along select banks for erosion would be a good location for forage. It would make great habitat for all fish and bait forage in the lake. I think a little cleanup of some small fish throughout the lake and river would be a good boost throughout the system.

My two cents on upgrades in the lake. A boat run with poles or buoys from okay landing to the lake, probably by the railroad trussel. A better marked boat run with more buoys or poles from yarabourgh landing to the main lake boat runs. That's the only thing I think of at this point

Address:

E-Mail:

Phone:

How would you like to vears? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

see Millwood Lake in 20 years? What changes, if any, would you like to More good vegetation on the main lake there is very little good grass left the bottom has turned to mush not good and hard for fish to spawn

Most is habitat for the fish least swimming

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: bc180f92-908c-4dfc-bcb7-005831aad497 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 2600:387:1:809::49 To:

Name / Organization:	
Address:	Privacy Act of 1974, 5 U.S.C. §
E-Mail:	552a
Phone:	
How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:	First, we need to get serious about draw downs. They the most important thing to kill the floating vegetation and to creat good vegetation. Second we need to add two feet to normal pool so maneuverability can be achieved. Third safety should actually be first. The river markings are not given enough attention. These markers provide new comers and old timers the ability to see river channel. We also need to keep the river more stable if possible. Fish cannot thrive in a continuous change in current and elevation. I grew up fishing this lake and river and has never been more unstable than the past several years.
What about Millwood Lake is most and least important to you:	Well the most important thing about mill wood is water supply but fishing is a close second. Fishing on this lake is it's only recreation. Least important I guess would be protecting alligators.
Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments - Please provide any other comments on the Master Plan or Shoreline Management Plan - or - provide information about issues you feel deserve more study:	One thing that would help shoreline is to keep the river as stable as possible there is way to much level fluctuation even in dry conditions.

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if could use a good grading of east run road by the river any, would you like to see at the like: What about Millwood Lake is most and least all important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. §

552a

HTTP CMS CLIENT IP: HTTP X ARR LOG ID: 54250c72-9624-4c4a-b06f-2049ec14ea8b HTTP ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 107.77.201.77

Address:	Privacy Act of 1974, 5 U.S.C. §
E-Mail:	552a
Phone:	
How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:	
What about Millwood	
Lake is most and least important to you:	Most important is the fishing and marker buoys out of line.
Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning,	
current policies on dock	
and vegetation permits,	
how the lake could be	
better managed. Please	
be as specific as possible:	
Additional Comments - Please provide any other	
comments on the Master	Varbarruch hast rown is antromaly slight. And is such tough
Management Plan or	sometimes to pull your boat up the samp can it be sanded?
nrovide information	sometimes to puir your obat up the famp can it be sailded?
about issues you feel	
deserve more study:	

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: 4f05db44-443c-40c5-93de-33f97780247e HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 208.80.167.70

Address:

E-Mail: Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -

Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study: Privacy Act of 1974, 5 U.S.C. § 552a

Raise the level 3-4 ft permanently. Maybe that would help the main lake. It is essentially a waisted body of open water.

Fishing

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: c75c2bec-96ab-43c9-932a-81d39c4d7214 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 174.137.5.9

Name / Organization:	
Address:	Privacy Act of 1974, 5 U.S.C. §
E-Mail:	552a
Phone:	
How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:	1. The boat lanes need to be clearly marked on Little River. USACE puts buoys out multiple times each year, but they rarely last longer than the next rainfall. A trail needs to be marked with poles the same way they are on the main lake trails. Dozens of tournaments begin and and at Yarborough Landing each year and many boats hit stumps on their way. 2. The boat launches around the lake are mostly terrible. Many of the launches leave no option other than to pull your boat onto rocks or concrete, and the Beards Bluff launch in particular is very dangerous if the wind shifts the wrong way. A small amount of wind on Millwood is very dangerous.
What about Millwood Lake is most and least important to you:	Most important to me is the fishing.
Please provide your	
comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments - Please provide any other comments on the Master Plan or Shoreline Management Plan - or - provide information about issues you feel deserve more study:	

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 vears? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

Problem 1. Silt. Please do whatever is necessary to remove the silt. If you don't tackle this problem, anything else you do is going to be of minimal. Millwood is a shallow lake. With all the creeks silted in, few people fish the open lake.

See above.

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: e6a7a702-3f5c-4989-a9ae-10f53c74b50d HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 173.185.207.120
 From:
 noreply@dma.mil

 To:
 CESWL-MillwoodLakeMPandSMPRevision

 Subject:
 Public Comment Submission for Millwood Lake SMP / MP

 Date:
 Wednesday, December 9, 2020 5:16:00 PM

Name / Organization:

Address:

E-Mail:

Phone:

How would you like to years? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock

and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -

Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

see Millwood Lake in 20 4 foot drawdown for a year or longer to try to harden the bottom years? What changes, if any, would you like to of the lake and promote grass growth. Then raise the level 2 foot above what normal is now and hold it there as the new level

Keeping it as a well known established fishery with lots of markers clearly marking the runs making it easier for visitors to navigate that travel here to spend time on the lake

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: cf693969-2c78-4490-a41a-48661533e0af HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 98.19.214.255

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master

Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

Either raise lake 2ft or dredge main lake in boat lanes and stop	
opening the gates right before every major tournament that gets scheduled. Spray vegetation to keep it spreading.	ł

The fishing and the control of the gates before major tournaments

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: f55d396b-f60d-4b3e-8351-2e74f1f7b7de HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 96.19.37.26

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

I would love to see the lake level be raised because of sedation there are places you cannot get to anymore and the shallow water remains muddy almost all the year. Control some of vegetation, if possible.

Most: Fishing and Cyprus trees and scenery

Least: its all important to me.

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: f4649def-b962-426c-b500-d6908f3cd6b2 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 98.18.63.177

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:

What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible:

Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

Most of the floating grass needs to go now days people have mud boats and if you go across the grass and there is a stump out of the water with a mud boat it will tear up your equipment. I think the lake needs to come up 12-15 foot at least and let all of the grass float up in the trees or down the river and then open the gates wide open to leave the grass high and dry on land and in trees so it will clean up the water some.

Most important is the millet planted last year and the boat runs would be nice to have into areas and least important is the stumps

Raise the lake high or kill the grass with poison so it does not take over and the reeds over around okay landing are taking over

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: 04b374d9-2157-40e3-abe7-a2a10d1398e9 HTTP_ORIGIN: https://www.swl.usace.army.mil

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline

Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

Reduced alligator population. They have become a nuisance and make night fishing and yo yo/trotlining very difficult and dangerous.

Also, there needs to be better vegetation control.

Most important is quantity and quality of crappie and bass in the lake. I cannot think of a least important item.

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: ff5c1c51-da62-4f8b-9e60-7b328986c94a HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 2600:100b:b104:90f6:414a:c162:beba:7669

Address:

To:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:

What about Millwood Lake is most and least important to you:

Privacy Act of 1974, 5 U.S.C. § 552a

We would like to see the Little River channel marked with the telephone poles like they did all the boat lanes we were involved with helping the USACE back in late 1990's with Steve Spicer. It would help to also mark the Saline River channel with the poles as well from Cottonshed up to the river channel where it goes into the woods and where Saline exits the river bank. This would eliminate to associated costs of maintenance and the constant replacement of the river buoys along Little River channel from Yarborough point to the open water in front of the dam. There are several broken telephone poles missing at the upper end of the boat lane from the Highline to the Little Gas Line boat lanes that have been broken/missing for a few years, and they need replacement urgently before someone gets hurt running that boat lane where they are missing! We would also like to see a sedimentation survey results (the sedimentation stakes cannot be found by latest USGS team) and how they plan to increase storage capacity of the lake to its original plan. With so much vegetation and siltation to Millwood, the storage plan is no longer as it was designed to hold capacities. Would LOVE to see USACE raise Millwood NCP elevation by at least 1 ft-msl, taking from 259.2 ft-msl now for normal elevation to 260.2 ft-msl or higher such that storage capacity could be increased, and more fish spawning habitat is created. We will assist the USACE in any endeavors, at any time, on a voluntary basis, to improve the project. Millwood Lake needs higher storage capacity as it was originally

designed to hold, due to siltation and sedimentation that has occurred over the last 30-50 years. We Would like to see a vegetation management plan to reduce alligator weeds and other nuisance vegetation that is currently choking off all the creeks, oxbows, and hampering navigation in a negative way, to improve navigation, thus resulting in higher recreation participation by the public, more income and revenue from Bass Tournaments, and other public recreation, that refuse to hold large turnout tournaments due to hampered navigation. Improved navigation, reduced vegetation, better management of the river channel markers, increased storage capacity, better spawning habitat creation by raising normal conservation pool a minimum of 1-2 feet of depth. More USACE campsites added to existing USACE

campgrounds, resulting in additional revenue and public participation. We will assist the USACE in any endeavors, at any time, on a voluntary basis, to improve the project.

Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible:

Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study: Please institute a vegetation management plan to reduce alligator weeds and other nuisance vegetation that is currently choking off all the creeks, oxbows, and hampering navigation in a negative way, to improve navigation, thus resulting in higher recreation participation by the public, more income and revenue. In addition, better management of the river channel markers, increased storage capacity back to original design implementation such that the 259.2ft-msl is raised 1-2 ft-msl providing improved navigation. We will assist the USACE in any endeavors, at any time, on a voluntary basis, to improve the project.

1. Sedimentation stakes that were installed by USACE and marked with GPS could not even be located by USGS teams several years ago. This alone, defines the siltation/sedimentation issues as highly problematic. Millwood is not currently holding water capacity it was designed to hold to prevent flooding along the Red River system. Siltation and sedimentation has become a huge problem related to storage capacity and flooding, as well as reduced fish population spawning habitats, lake-wide. 2. Locations that were previously holding 10-20 feet of depth, now are only holding 5-8 feet of depth, at most.

3. River buoy markers are a constant maintenance and resource drain on the project. These floating river markers along Little River, need to be replaced with the same type of telephone pole marker system that is in current use by the boat lane marker systems, for a more permanent solution, thereby improving safety and navigation on the project, and reduction of maintenance expenses on a permanent basis.

4. Implementation of a vegetation reduction plan to permanently reduce/eliminate the prolific alligator weeds impairing navigationas well as a continual contributor to the siltation and sedimentation issue previously discussed.

Thank you. We are doing our best to bring additional tourism & client's dollars to the USACE & Millwood Lake project, USACE campgrounds, and Millwood State Park. We are MillwoodGuideServicedotcom for over 31 years, where you can view and see our contributions and assistance to the USACE project. We need your assistance to make that continue to happen. We will assist the USACE in any endeavors, at any time, on a voluntary basis, to improve the project.

HTTP_CMS_CLIENT_IP:

Address:

E-Mail:

Phone:

How would you like to years? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

see Millwood Lake in 20 years? What changes, if any, would you like to Raise normal pool 2ft, it would create excellent habitat and security for spawning fish. Just as well it would make navigating safer, and easier on equipment.

The water turkeys

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: 932d4c25-1c70-4ea7-a0a9-1fe56d12be07 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 2600:100c:b219:5e24:8149:afbc:a715:75e8

Name / Organization: Privacy Act of 1974, 5 U.S.C. § Address: 552a E-Mail: Phone: How would you like to see Millwood Lake in 20 years? What changes, if Remove stumps fix boat ramps like paraloma any, would you like to see at the like: What about Millwood Lake is most and least Fishing is most important plus duck habitat. important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: e3505157-93af-4e03-81ec-2e28fd572bf0 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 174.247.241.40

Address:

E-Mail:

Phone:

How would you like to vears? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

see Millwood Lake in 20 I would like for the fishing pier at Beards Bluff to be rebuilt. I would also like more hiking trails around the lake and possible OHV trails

Most important: camping and fishing Least important : duck hunting

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: 9ae84158-7a39-4120-ae80-c98c63cf7739 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 216.238.12.199

Address:

E-Mail:

Phone:

How would you like to any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

see Millwood Lake in 20 Cleared, more safe boat lanes as some boat lanes have logs in them that are not visible at night when water levels are elevated. Better service for phones at campgrounds like White Cliffs.

Hunting and fishing

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: 8a147d64-8f91-4517-a07e-481db7396a02 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 75.173.37.138

Address:

E-Mail:

Phone:

How would you like to years? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

see Millwood Lake in 20 I would like to see millwood as a place you can go and safely years? What changes, if any, would you like to bass and crappie

> The safty of people traveling or running across the lake or the river that is not marked anymore that is very unsafe if you are not from around here.

> This past year the lilly pads were not bad but if we could get more coontail or whatever it seemed like that was better for the bass

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: a69e6793-491f-4b86-9445-38dfa1005de4 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 216.238.13.189

noreply@dma.mil From: CESWL-MillwoodLakeMPandSMPRevision Subject: Public Comment Submission for Millwood Lake SMP / MP Date: Wednesday, December 9, 2020 6:51:38 PM

Name / Organization:

Address:

To:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

I recently visited the arkansas river at pendleton ramp they had an amazing setup to weigh in fish and return them to the water with no casualties to the fish I would like to see this duplicated at varborough landing for protection of the fish

HTTP CMS CLIENT IP: HTTP X ARR LOG ID: d12b9a61-2066-431a-82e8-330b46e7ca92 HTTP ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 199.33.104.254
Name / Organization:

Address:

E-Mail:

Phone:

How would you like to years? What changes, if any, would you like to see at the like: What about Millwood Lake is most and least important to you: Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

see Millwood Lake in 20 years? What changes, if any, would you like to Raise, and keep the lake level by two-foot and six-inches year round. Also keep marker buoys out. And that would allow other issues solve themselves. Thank you for all that you already do.

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: 1a32a40c-9494-4aac-a6b1-f44bacc93f72 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 18.191.249.253

Name / Organization:

Address:

To:

E-Mail: Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:

What about Millwood Lake is most and least important to you:

Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

Raise level by at least 2 feet. Someway/ somehow bring back hydrila for the bass. Draw downs every year, enough to stabilize silt. Dredging main lake to make wind breaks, which would help with water clarity and access to areas on main lake. That would help bring back main lake. With timber fading away vegetation is the best for bass.

Bass and crappie fishing. Most important! Least important camping.

At least 4 ramps should be maintained on lake for access and at least 2 on river. Tournament site to hold major bass and crappie tournaments, to bring revenue to area, as far as docks, as long as they are maintained, they make good habitat for fish and could generate more revenue.

Something has to be done. The lake itself is just about dead. Wind keeps it muddy and old spawning goods are silted in. Up river is about all that is left. To beautiful of a lake just to let it die.

HTTP CMS CLIENT IP: HTTP X ARR LOG ID: 13e4c50c-586e-447a-a433-3f94ad7a6064 HTTP ORIGIN: https://www.swl.usace.army.mil HTTP TRUE CLIENT IP: 199.33.107.150

Name / Organization:	
Address:	Privacy Act of 1974, 5 U.S.C. §
E-Mail:	552a
Phone:	
How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:	I would like to see Millwood a trophy fishery (bass and crappie) *More restroom facility at most ramps especially Yarbrough *Yarborough needs a better pier. *Better boat lanes, there are still stomps in the lanes. These would greatly help Millwood.
	Thank you for making an effort to better our lakes and facilities.
What about Millwood Lake is most and least important to you:	The fishing that's the only thing to focus on Millwood lake. Stock and keep the lake healthy.
Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline	
Management Plan	KEEP THE VEGETATION.
(SMP) - Areas of discussion might	We all have seen the results of DeGray.
include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible:	A better pier at Yarbrough and restrooms
Additional Comments - Please provide any other comments on the Master Plan or Shoreline Management Plan - or - provide information about issues you feel deserve more study:	Fish stocking if possible

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: b5cb3e0e-0dc6-40d2-9fcf-3d546cce686f

1.20-21 Hentlemen; Privacy Act of 1974, 5 U.S.C. § 552a I have deen Privacy Act of 1974, 5 U.S.C. § 552a Many Things happen to This lake. There used to be Shotgun Starts Fish Tennements on Sat. Maning C 6:00 A.M. from Seratoge landing. There used to be 3 landings on Seratoge landing. Now There do one. Sometimes It can't be used to Launch a Boat because Show Fisherman have Parked du The Beat Ramp. There used to be, at The State Park & OX Randing, an overland of Beats du April + October with Suplus Trailers Parket along The access Road. There used to be himse Plate from Illineis, Ohio, Indiana, Koniscine, Types + Others? It used to be The Parke + Roadways were Maned. Now They can be Buled. The Question of ask my self de WHY ?? are at in The Shape we are in Tarlay. No One cares? Where are The people who used to come here to Fish? Is It blemse The Fish aren't There? Why? If The only Purpose of This Lake als flood control, you won't have to do any Thing, we are already There. If we want a recreational like, company, Fishing, Sight Seeing etc. y'all have a long way to Go.

Privacy Act of 1974, 5 U.S.C. § 552a

mone ham 5 the. 2 E three much 0 E.C. Ban lour 5 daung a Quelo mou 20 week hush water 20 would in addundun (Surry) cara loja allon Novey de an ş. herean , do 5 alue 5 b A wower wat Ş 5 many trace \$ à P22 ours 220 com sour aun MA they week 220 tea Rec Aler alishing on built. 10000 - 100,000 fish Suc 5 water in -2 fd would attent 0 put Motor lowe Se O ander Summe a ş l. days repre hereit Coat

	Carl (
	and she
	Come
	mente de
	n Jan
	ling me
	nding &
	al

Appendix G Agency Scoping Comments





December 17, 2020

NRM Planner U.S. Army Corps of Engineers Little Rock District Via Email: <u>CESWL-MillwoodLakeMPandSMPRevision@usace.army.mil</u>

RE: Millwood Lake Master Plan and Shoreline Management Plan Revision

To Whom It May Concern:

The Division of Environmental Quality (DEQ) appreciates the opportunity to comment on the revision to the Millwood Lake Master Plan and Shoreline Management Plan. At this stage of review, DEQ can provide only generalized comments on issues to consider during Environmental Assessment (EA) development. We request the opportunity to review both the draft and final EAs when available.

While the Office of Land Resources has no specific comments at this time, additional review may be required should the shoreline or flood relief footprints change.

The Office of Water Quality recommends that all necessary steps be taken to prevent or minimize erosion of materials and soils into surface waters. Proposed activities should include measures to protect both the water quality and designated uses of the waterways.

This letter is issued in reliance upon the statements and representations made in the submittal. DEQ has no responsibility for adequacy or proper functioning of the proposed project. Please contact the referenced offices with any questions.

Sincerely,



Name / Organization:

Address:

E-Mail:

Phone:

How would you like to see Millwood Lake in 20 years? What changes, if any, would you like to see at the like:

What about Millwood Lake is most and least important to you:

Please provide your comments and suggestions on items to update in the Millwood Lake Shoreline Management Plan (SMP) - Areas of discussion might include: current zoning, current policies on dock and vegetation permits, how the lake could be better managed. Please be as specific as possible: Additional Comments -Please provide any other comments on the Master Plan or Shoreline Management Plan - or provide information about issues you feel deserve more study:

Privacy Act of 1974, 5 U.S.C. § 552a

The only area of concern from the U.S. Fish and Wildlife Service is potential negative or positive effects to federally listed threatened or endangered species that might result from modifications to lake management. We are less concerned with shoreline management than management of pool elevations and dam releases. Federally listed species occur in streams upstream of the lake and in the Little River downstream of Millwood Dam. Any proposed changes that would modify the release volumes and schedules or change the extent of inundation in upstream tributaries would need to take into account possible effects to listed species. Consultation with the U.S. Fish and Wildlife Service per Sec. 7 of the Endangered Species Act is appropriate for any actions that may affect listed species.

HTTP_CMS_CLIENT_IP: HTTP_X_ARR_LOG_ID: f6425ffa-a708-4206-b050-4b28a7b182f3 HTTP_ORIGIN: https://www.swl.usace.army.mil HTTP_TRUE_CLIENT_IP: 2600:100b:b128:a1fa:f845:cb5e:fb1e:fadb

Privacy Act of 1974, 5 U.S.C. § 552a

Good morning, please see comments from FEMA on this project:

Please ensure that you contact your local floodplain administrator and gather the proper floodplain permits prior to work.

Thank you,





Appendix H Media Coverage



Corps of Engineers seeks input about Millwood Lake

Nov 24, 2020



f ¥ ⊠ ⊖ ∏

The U.S. Army Corps of Engineers is notifying the public that the scoping comment period for the Millwood Lake Master Plan and Shoreline Management Plan revisions has opened.

"Scoping" is the process of determining the scope, focus, and content of master plan (MP) and shoreline management plan (SMP) update documents. For a planning process such as the MP and SMP revision, the scoping process is used as an opportunity to get input from the public and resource agencies about the vision for the MP and SMP update and the issues that the MP and SMP should address where possible.

The MP guides the management of the government lands around Corps of Engineers reservoirs. It also affects future management of natural resources and recreational opportunities to ensure the sustainability of Millwood Lake. The planning process will include an analysis of potential effects on the natural and social environment, including fish and wildlife, recreation opportunities, economics, land use, cultural and historical resources, aesthetics, and public health and safety.



The SMP for Millwood Lake establishes policy and furnishes guidelines for the protection and preservation of the environmental characteristics of the shoreline while maintaining a balance between public and private shoreline uses.

CLICK HERE to find out more about the Millwood Lake MP and SMP.







Magnolia and its people. 6. If you have surplus money, lo not invest in far off speculations, but invest in Magnolia by stablishing a profitable venture.

Recent Headlines



Appendix B Millwood Lake Master Plan Environmental Assessment Draft Release Report



US Army Corps of Engineers®

Millwood Lake Master Plan Revision

Draft Release Comments Report

Appendix B to the Millwood Lake Master Plan and Shoreline Management Plan Revision Environmental Assessments



FINAL: May 2022

Millwood Lake Master Plan and Shoreline Management Plan Revision Draft Release Comments Report Appendix B to the Millwood Lake Master Plan and Shoreline Management Plan Revision Environmental Assessments

FINAL: May 2022

Prepared by: US Army Corps of Engineers Little Rock District P.O. Box 867 Little Rock, AR 72203

Table of Contents

Acronyms	v
1. Introduction	1
1.1 Overview 1.2 Purpose and Need for Master Plan Payision	1
1.3 Project Area	23
1.4 Purpose of this Report	3
2. Draft Plan Release Process	4
2.1 Overview	4
2.2 Millwood MP & SMP Webpage	5
2.3 Public Outreach	5
2.3.1 Notification Database	5
2.3.2 Public Workshop	7
2.4 Comments Received 1	0
3. Summary of Draft Release Comments1	2
3.1 Introduction	2
3.2 Summary of Comments 1	2
4. Next Steps: MP Revision Process 1	5

List of Figures

Figure 2-1 Ashdown, AR Workshop, Photo 1	8
Figure 2-2 Ashdown, AR Workshop, Photo 2	8
Figure 2-3 Interactive Maps at the Ashdown, AR Workshop	9
Figure 2-4 Distribution of Postcard Notification by Zip Code	. 11
Figure 4-1 Draft Release Postcard	. 27
Figure 4-2 Draft Release News Release, Oct. 21, 2021	. 29
Figure 4-3 Draft Release News Release, Oct. 21, 2021	. 30
Figure 4-4 Draft Release News Release, Dec. 2, 2021	. 31
Figure 4-5 Draft Release News Release, April 4, 2022	. 32
Figure 4-6 MP Draft Release Facts Sheet Page 1	. 33
Figure 4-7 MP Draft Release Facts Sheet Page 2	. 34
Figure 4-8 SMP Draft Release Facts Sheet Page 1	. 35
Figure 4-9 SMP Draft Release Facts Sheet Page 2	. 36
Figure 4-10 Draft Release Comment Card	. 37
Figure 4-11 Draft Release Comment Card, Corrected	. 38
Figure 4-12 Hope Prescot News, April 21, 2022	. 57
Figure 4-13 Draft Release Facebook Notification, Oct 21, 2021	. 58
Figure 4-14 Draft Release Facebook Notification, Dec. 2, 2021	. 59
Figure 4-15 Draft Release Facebook Notification, April 5, 2022	. 60
Figure 4-16 Draft Release Twitter Notification, Oct 21, 2021	. 61
Figure 4-17 Draft Release Twitter Notification, Dec. 21, 2021	. 62
Figure 4-18Draft Release Twitter Notification, April 6, 2022	. 63

List of Tables

Table 3-1 Summar	ry of Comments Received	. 13
------------------	-------------------------	------

Appendices

Appendix A: Agencies Notified of Draft Release	
Appendix B: Agency Notification	
Appendix C: Public Notifications	
Appendix D: Public Draft Release Comments	
Appendix E: Agency Draft Release Comments	
Appendix F: Media Coverage	

Acronyms

- ADA Americans with Disabilities Act
- CEQ Council on Environmental Quality
- CFR Code of Federal Regulations
- EA Environmental Assessment
- EIS Environmental Impact Statement
- EP Engineer Pamphlet
- ER Engineer Regulation
- MP Master Plan
- SMP Shoreline Management Plan
- NEPA National Environmental Policy Act
- R1S Recreation 1 Stop
- OMP Operational Management Plan
- P.L. Public Law
- SMP Shoreline Management Plan
- URL uniform resource locator
- WMA Wildlife Management Area

1. Introduction

1.1 Overview

The United States Army Corps of Engineers (USACE) Little Rock District is proposing to revise the Millwood Lake Master Plan and Shoreline Management Plan. The Master Plan (MP) guides the management of the government-owned and leased lands around the lake. The MP affects future management of natural resources and recreational opportunities to ensure the sustainability of Millwood Lake. The SMP is a comprehensive plan for managing the shoreline, including effects of human activities on the shoreline.

The MP is the guidance document that describes how the resources of the lake will be managed in the future and provides the vision for how the lake should look in the future. The MP does not address the details of how and where shoreline use permits may be issued. After the MP is revised and when funding becomes available, the Operational Management Plan (OMP) for the lake would be revised to be consistent with the goals identified in the MP and SMP.

The current Millwood Lake MP was developed over 40 years ago, and original estimates of future population and land use do not align with current demographics. The MP revision will re-classify the government lands around the lake based on environmental and socioeconomic considerations, public input, and an evaluation of past, present, and forecasted trends.

USACE Engineer Regulation (ER) and Engineer Pamphlet (EP) 1130-2-550 with Change 7 and Change 5, respectively, dated January 30, 2013, establish guidance for developing MPs and OMPs for USACE Civil Works projects. MPs are required for fee-owned lands, in addition to civil works projects, for which USACE has administrative responsibility for management of natural and manmade resources. The primary goals of a MP are to "prescribe an overall land use management plan, resource objectives, and associated design and management concepts" (EP 1130-2-550). MPs are reviewed every 5 years, and minor changes are made through supplements. A MP that has been excessively supplemented or does not serve its intended purpose due to changes in the project should be revised.

Preparation of, and periodic revisions of an SMP are mandated by federal regulations found in Title 36 of the Code of Federal Regulations (CFR), Section 327.30, which also contains requirements for an SMP. The SMP regulates activities that may occur along the shoreline such as dock construction, improved access paths to docks, and vegetation management on the government lands and waters. The SMP for Millwood Lake establishes policy and furnishes guidelines for the protection and preservation of the desirable environmental characteristics of the shoreline while maintaining a balance between public and private shoreline uses.

The Millwood Lake SMP was last publicly reviewed and revised in 2006. It was administratively reviewed and revised with minor administrative changes in 2012; however, with an update to the MP, it is important that the SMP be updated to reflect current conditions and the management direction as described in the MP. Updates to the plan are expected to include a review of current management practices of the lake and to take advantage of current

technologies.

USACE has prepared an Environmental Assessments (EA) for both the MP and SMP in compliance with the National Environmental Policy Act (NEPA) of 1969 (as amended), the Council on Environmental Quality (CEQ) guidelines (40 Code of Federal Regulations [CFR] Parts 1500-1508), and ER 200-2-2 Procedures for Implementing NEPA. The EAs evaluate the potential environmental effects of the MP and SMP revisions. Environmental Impact statements (EIS) would be prepared only if significant environmental effects that are identified during preparation of the EAs could result from the MP and SMP revisions.

1.2 Purpose and Need for Master Plan Revision

The purpose of the project is to review and revise the Millwood Lake MP and SMP. Both plans strive to balance public use of federal lands and waters with the conservation and protection of natural resources for future generations. Revisions to the MP and the SMP are needed for the following reasons:

For the MP:

- Ensure accurate land classification and resource protection for future generations.
- The existing plan format and mapping technology is outdated and not compliant with current Master Plan format and technology requirements.
- Current Corps policies/regulations, budget processes, business line performance measures, and priorities are not reflected.
- Customer uses have remained similar, but trends, recreation equipment (e.g. RV size, vessel size, etc.), facility use (amp service, Wi-Fi, etc.), and service demands have shifted since approval of the last master plan in 1974; for example, there has been an increase in visitation, tourism, and adjacent development.
- Demands on fixed resources challenge the existing master plan.
- Partners and stakeholders are engaged with the Corps and seek to increase and sustain benefits provided by the lake.
- Identify issues related to ecosystem stewardship including vegetation and siltation management.

For the SMP:

- Current technology allows for more accurate representation of shoreline allocations.
- Current Corps policies/regulations, budget processes, business line performance measures, and priorities are not reflected.
- Shoreline Management and private development have resulted in environmental and management issues, causing sustainability concerns.
- Partners are increasingly concerned with management of lake resources and impacts to environmental quality.

As described in Engineering Pamphlet (EP) 1130-2-550, the national goals for MPs are:

- **GOAL A.** Provide the best management practices to respond to regional needs, resource capabilities and suitabilities, and expressed public interests consistent with authorized project purposes.
- **GOAL B.** Protect and manage project natural and cultural resources through sustainable environmental stewardship programs.
- **GOAL C.** Provide public outdoor recreation opportunities that support project purposes and public demands created by the project itself while sustaining project natural resources.
- **GOAL D**. Recognize the particular qualities, characteristics, and potentials of the project.
- **GOAL E.** Provide consistency and compatibility with national objectives and other State and regional goals and programs.

1.3 Project Area

The Millwood Lake Civil Works project on the Little River is located 16 river miles above its confluence with the Red River, about seven miles east of Ashdown, AR. Millwood Lake was authorized for construction by the Flood Control Act approved 3 July 1958. At conservation pool, the lake has 37,631 acres of land and water with 92 miles of boundary line. The lake provides many recreational opportunities, along with fish and wildlife habitat.

Millwood Lake is located in the southwest corner of Arkansas and provides many recreational opportunities. Its 20,000 acres of inundated timber provide exceptional fish habitat for the wide variety of fish. Millwood provides some of the best fishing opportunities and attracts anglers from across the country. Millwood is the natural home to many American alligators that can be spotted in the waters and shorelines of recreation areas. The lake and its surrounding environment make it one of Arkansas's best birding locations. Birders from across the nation come to Millwood to get a glimpse of the over 300 bird species making appearances throughout the year. The U.S. Army Corps of Engineers manages 12 recreation areas around the lake and provides oversight to four leased recreation areas: Jack's Isle, Millwood State Park, Patterson Shoals, and Yarborough Landing.

1.4 Purpose of this Report

The following report summarizes the public participation process for, and the public comments resulting from, the Millwood Lake MP & SMP Revision draft plan release public workshop and comment periods.

2. Draft Plan Release Process

2.1 Overview

In accordance with NEPA and ER 200-2-2, USACE initiated the environmental compliance and review process for the Millwood Lake MP and SMP revision projects. Draft EAs have been prepared to identify potential direct, indirect, and cumulative impacts related to implementation of the MP and SMP.

As part of the draft plans release phases of the environmental process, a 45-day comment period was held from October 21 to December 6, 2021, and a 30-day comment period for agencies was held from January 10 to February 8, 2022. During the agency comment period, USACE was notified of additional tribal and agency interests that were not included as part of the initial agency notification. Therefore, a third comment period was held between February 15 and March 16, 2022, to allow these agencies an opportunity to provide input. A fourth and final comment period was held between April 12 and May 11, 2022, that included all identified public, agency and tribal government stakeholders. A workshop was held on November 4th, 15 days after the draft plans were released to gather comments on the draft revised MP, SMP, and the associated draft EAs. The workshop gave the public an opportunity to learn about the alternatives and provide input on the draft MP, SMP and EAs.

Workshop attendees were provided a comment card that asked for comments about the draft plans and the environmental reviews as follows:

- Please provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental Assessment.
- Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan and draft Environmental Assessment.

USACE published notice of the public workshop through a direct mail postcard and email notifications, news releases, and announcements on the Millwood Lake Master Plan and Shoreline Management revision webpage, and the Little Rock District Facebook and Twitter pages. The postcard and email notifications were sent to landowners adjacent to USACE-owned lands around the lake, holders of fishing licenses purchased in Arkansas whose listed zip code is within 7 miles of Millwood Lake, shoreline use permit holders, marina and resort owners, dock builders, and those with held reservations to camp at Millwood Lake campground within the 2019 recreational season. Postcards were sent to those for whom only a postal address was available; all others received email notifications. Flyers were posted on bulletin boards at campgrounds and recreational facilities throughout the lake. For the second, third and fourth comment periods from January 10 to February 8, 2022, February 15 to March 16, 2022, and April 12 to May 11, 2022, agency coordination letters were sent to potentially interested agencies.

2.2 Millwood MP & SMP Webpage

A webpage, <u>https://www.swl.usace.army.mil/Missions/Planning/Millwood-Lake-Master-Plan-Revision/</u> was developed for the MP and SMP revision project. The site included information about Millwood Lake, the MP and SMP revision process, the revised draft MP, draft SMP and draft EAs. Information on the site included the dates and locations of the public workshop, how to submit comments, and who to contact for more information. The website also contained an online interactive map, an online comment form, and the Master Plan and Shoreline Management Plan revision timeline.

Short URLs or specific web addresses were developed for each notification method (e.g., postcard, email), which made it easier for the public to access the webpage and also allowed USACE to evaluate the effectiveness of each notification method. Between October 21, 2021, and May 11, 2022, 347people visited the Millwood Lake MP and SMP webpage.

2.3 Public Outreach

2.3.1 Notification Database

USACE maintains a database of stakeholder groups interested in activities around Millwood Lake. Other databases maintained by USACE include shoreline use permit holders, boat slip owners, and dock builders. In addition, USACE developed a list of adjacent property owners based on the databases maintained by the county assessor's office of the surrounding counties. USACE also compiled a list of parties who had made campground reservations through the Recreation 1 Stop (R1S) reservation system for camping visits at Millwood Lake during the 2019 camping season. Finally, USACE obtained the database of holders of fishing licenses purchased in Arkansas whose listed zip code is within 7 miles of the Millwood Lake Project boundary line.

2.3.1.1 Public Notification Activities

Invitations to the workshop were mailed directly to individuals and organizations on the Millwood Lake MP and SMP mailing list, and email notification invitations were sent to persons and organizations where email addresses were available. Additionally, public workshop information was provided on the webpage created for the revision process. Facebook and Twitter were also used to distribute project information to encourage public participation during the comment period and to notify followers of the scheduled workshop.

Each notification medium was assigned a unique short uniform resource locator (URL) to direct recipients to the Millwood Lake MP & SMP webpage for more information. This allowed USACE to identify how people heard about the workshops and the master planning process and evaluate the effectiveness of various notification methods for future projects.

2.3.1.2 Direct Mail Notification

On October 21, 2021, 8,626 postcards were mailed to those listed in the notification database without email addresses. For the comment period April 12 to May 11, 2022, 7,200 postcards were mailed to those listed on the notification database and mailing addresses verified through the U.S. Postal Service. The distribution of postcard recipients is illustrated in Figure 2-4 by zip

code.

The postcard notification included information on the Millwood Lake MP & SMP web address where the draft documents may be found, provide details on the public workshop location and date, how to provide comments, and the comment period closing date. The direct mail postcard is included in Appendix C.

2.3.1.3 E-mail Notification

An email notification was sent on October 21, 2021, and on April 8, 2022, to approximately 1,153 email addresses. These emails were sent to those in the notification database for whom email addresses were available. The majority of these email recipients were comprised of individuals who made reservations to camp at Millwood Lake during the peak recreation season in 2019. The information in the email notification was the same as the information on the postcard notification.

2.3.1.4 Social Media

The Little Rock District Facebook and Twitter pages were used to distribute project information. Facebook and Twitter posts included information similar to that found on the Millwood Lake MP and SMP revision webpage. The Facebook posts on October 21, 2021, reached 7,266 users, a post on December 2, 2021, reached 189 users, and a post on April 5th reached 263 users. Additionally, the Twitter posts reached 333 users on October 21, 2021, and 190 users on December 2, 2021.

2.3.1.5 Other Notification Activities

In order to maximize the coverage of the outreach effort for the workshop, a media release was sent to local media outlets using the Southwestern Division, Little Rock District, Millwood Lake Media distribution list on October 21, 2021, December 2, 2021, and April 4, 2022. Copies of the press releases are in Appendix C, and copies of the media coverage and statistics are in Appendix F.

2.3.1.6 Webpage Statistics

Each type of media notification (e.g., display ads, postcard, email, Facebook page, etc.) provided a different URL or specific web addresses to the Millwood Lake MP & SMP webpage. This was done in order to gather information on how people found out about and accessed the Millwood Lake MP & SMP webpage. The following is a list of the number of people who accessed the webpage organized by the media notification web address used. In total, the specific short web addresses were used 347 times during the draft release comment periods.

- News release:142
- Postcard notification: 70
- Email notification: 62
- Comment cards: 21
- Agency letter: 30

- Facts Sheet: 18
- Flyer: 4

2.3.2 Public Workshop

USACE hosted a public workshop to gather input on the draft revised MP, draft revised SMP and the Draft EA. The workshop was scheduled in compliance with NEPA guidelines, and locations were selected to reflect equitable geographic coverage. The meeting location was within the project area near the lake. The location was also Americans with Disabilities Act (ADA) compliant. The workshop was held 15 days after the draft documents became available to the public.

A total of 22 people signed in at the workshop (Figure 2-1 and Figure 2-2). One comment card was returned at the workshop. An additional 12 comment submittals were received via letters, email, and mailed comment cards during the public comment periods. In total, five comment submittals from members of the public and eight comments from agencies were received by the end of the comment period.

Workshop 1: Ashdown, AR

Thursday, November 4, 2021 4:00 to 8:00 p.m. Family Life Center Central Baptist Church 271 W. Commerce St. Ashdown, Arkansas 71822 Attendees: 22 signed in Comments: 1 comment card was submitted at the workshop



Figure 2-1 Ashdown, AR Workshop, Photo 1



Figure 2-2 Ashdown, AR Workshop, Photo 2

2.3.2.1 Public Workshop Format

The purpose of the public workshop was to present the alternatives for both plans and get feedback on the draft revised MP, draft revised SMP and the draft EAs. Due to evolving safety protocols during the COVID-19 pandemic, the workshop was held in a non-traditional fashion for the draft release. Attendees to the draft release workshop were requested to wear a facemask and maintain a six-foot social distance. Four computers were set up during the workshop with links to the online interactive map of the lake and the alternative land classifications to facilitate responses to questions about the lake, the MP revision, and the SMP revision (Figure 2-3). Additionally, a large, printed map of Millwood Lake displaying the preferred alternative land classifications was available for review (Figure 2-2). The workshop and materials provided and presented were utilized in such a way as to prevent participants from grouping up in close proximity, therefore decreasing the chances of potentially contracting or spreading the COVID-19 and variant viruses.

Written comments were collected at the workshop in the form of the comment cards and also were accepted by mail, fax, and e-mail after the workshop until the close of the comment period.



Figure 2-3 Interactive Maps at the Ashdown, AR Workshop

2.3.2.2 Public Workshop Materials

Each workshop attendee was provided a double-sided fact sheet (Appendix C) and a comment card (Appendix C). The fact sheet provided a brief overview and comparison of the alternatives for both plans. The comment card included information on how to comment and allowed attendees to either submit written comments at the workshop or to mail them in after the workshop. The comment card was designed as a self-mailer so that individuals could easily mail comments to USACE if they needed more time to develop their comments after attending the public workshop.

2.4 Comments Received

All persons interested in providing feedback on the draft plans were provided opportunities to submit written comments at the workshop as well as via email, fax, or mail. Persons attending the workshop could also provide verbal comments by speaking to a USACE staff member responsible for transcribing verbal comments from members of the public if there was a need. The comment cards distributed at the public workshop was designed to facilitate return of written comments either at the public workshop or via mail later during the public comment period. Email comments could be sent to a project specific email address, which was included on the Millwood Lake MP & SMP revision webpage as well as on all of the notice materials distributed. Many open house participants took multiple comment cards to distribute to friends and family who were not able to attend an open house in person.

In total, there were six comment submittals (letters, emails, comment cards, or oral comments) from members of the public and seven responses from agencies. Copies of all of the public and agency comments submitted during the comment periods are included in Appendix D.



Figure 2-4 Distribution of Postcard Notification by Zip Code

3. Summary of Draft Release Comments

3.1 Introduction

USACE accepted comments on the Millwood Lake MP & SMP revisions throughout the comment periods. Community groups, members of the public, and other interested parties submitted six letters, e-mails, comment cards, and faxes during this period. The summary table (Table 3-1) provides a tally of the topics discussed in the comments.

It should be noted that the combined numbers of comments listed in the following subsections and the summary table is greater than the total number of comment submissions because most people discussed multiple topics in their submission. Topics covered in the comments included general comments about the plan and the environmental review as well as general comments about the lake.

3.2 Summary of Comments

Table 3-1 provides a summary of the comments received during the comment period. While this table does not include every comment received, it provides a general summary of the topics most frequently submitted during the comment period. The full text of all written comments submitted by members of the public, agencies or stakeholder organizations is provided in Appendix D and Appendix E.

Table 3-1 Summary of Comments Received

Comments and suggestions on the Draft Master Plan and Environmental Assessment

- No Change (1)
- Support ESA land class near White Cliffs campground (1)
- Increase Vegetative Management (1)
- Address siltation and sediment load issue (1)
- Proper maintenance of river channel buoys (1)
- Create boat lanes for Little River (1)
- Increase Nutria Rats as a vegetative management technique (1)
- Consider increasing flood water capacity (1)
- Perform drawdowns (1)
- ADA accessibility at Paraloma ramp (1)
- Maintain existing lake access (1)
- Preserve history of the area (1)
- Improve Paraloma fishing ramp (1)

Comments and Suggestions on the draft Shoreline Management Plan and Environmental Assessment

• No Change (1)

• In favor of Natural Shoreline/Shoreline Protection (1)

3.2.1.1 Location Specific Requests

Location specific comments are summarized below.

- "River buoys constantly pushed out of the Little River channel & impede navigation creating safety hazards."
- "Mark Little River channel with pole markers (as you did on boat lanes) from outlaw trail to open water in front of dam throughout the flooded timbered section of main lake body, that would mark channel both sides of the boating lanes already marked with poles on both sides of Little River from mile marker 10 to mile marker 0 or open water in front of dam."
- "Press Little River County (lessee) to maintain property on 99-year lease."
- "Paraloma Landing needs ramp for handicap peoples. Also need ramp designed to slow down the waves when the wind is up."

3.2.1.2 Agency Comments

Agency comments are summarized below.

- "Any proposed changes that would modify the release volumes and schedules or change the existing inundation in upstream tributaries would need to account for possible affects to listed species." (USFWS)
- "Lake management modifications that would result in negative or positive effects to federally listed or threatened or endangered species should be in consultation with the U.S. Fish and Wildlife Service per Sec 7a2 of the Endangered Species Act."
- "...The ONHPO is not aware of, but has a general concern or, any burials (graves, mounds, cairns), prehistoric districts, sites or objects included in or eligible for inclusion in the National Register of Historic Places (36 CRF § 800.16(1)) or have not been evaluated pursuant to 36 CFR § 80.4(c) in consultation with the Osage nation that may be located within the area of potential effects (APE). If any are identified within the APE during any identification efforts conducted for the proposed project, including background research and cultural resource surveys, the Osage nation requests to be notified and provided with all relevant CRS reports and correspondence of the State Historic Preservation Office (SHPO), or affiliated reviewing state agency, for review and comment prior to the federal agency's approval of the proposed undertaking...." (Osage Nation Historic Preservation Office (ONHPO))
- "Based on the provided information in the Environmental Assessments and the draft Master Plan and Shoreline Management Plan, we recommend the implementation of the alternatives that provide the most protection to archeological and historic resources at Millwood Lake. We noticed that the Arkansas Archeological Survey will be "encouraged

to complete excavation and salvage operations prior to development" of the White Cliffs area (Pages 19 and 25 of the draft Environmental Assessments). We request that the Arkansas Archeological Survey be consulted on any future correspondence regarding the Master Plan as well as any Section 106 undertakings involving Millwood Lake. We look forward to reviewing any proposed ground-disturbing activities at Millwood Lake in order to identify and preserve historic properties." (AHPP)

- "Tribes that have expressed an interest in the area include the Caddo Nation, the Choctaw Nation of Oklahoma, the Osage Nation, the Quapaw Nation, and the Shawnee Tribe. We recommend consultation in accordance with 36 CFR § 800.2(c)(2)." (AHPP)
- "Chapter 2; Section O Recreation Facilities, Activities, and needs; Part 2 Recreation Areas: Subset o Millwood State Park, page 50
 - 1. Millwood State Park consists of 824 acres leased from the COE
 - 2. "The anticipated park improvements for the future include (pending receipt of funds):" should list the following projects
 - Addition of waterborne restroom with showers
 - Renovation of campground
 - Addition of new residence
 - Renovation of the marina
 - Renovation of the day-use area.
 - Dredge work to include the waterway
 - Design for a new visitor Center
 - Construction of a new Visitor Center"

4. Next Steps: MP Revision Process

The purpose of the Millwood Lake MP and SMP Revision draft plan release workshop and comment periods were to provide an opportunity for agencies and the public to learn about the draft alternatives and provide input on the draft MP, SMP, and EAs to help guide future land use and management at Millwood Lake.

USACE will consider the comments and issues identified during the draft release comment period as the final MP, SMP and EAs are developed. The final MP, SMP and the EAs will be made available to the public. It is anticipated that this will occur in mid-2022.

Individual responses to comments provided during the draft release comment periods are not developed in the preparation of an EA. Where consistent with the purpose of an MP and SMP and where possible under the planning mechanisms utilized during a MP and SMP revision, USACE will incorporate the feedback and suggestions provided through the comments.

Appendix A: Agencies Notified of Draft Release

Agencies

- Arkansas Department of Agriculture, Forestry Division
- Arkansas Department of Energy and Environment
- Arkansas Department of Parks and Tourism
- Arkansas Game and Fish Commission
- Arkansas Natural Heritage Commission
- Arkansas State Clearing House
- Arkansas State Historic Preservation Office
- Caddo Nation Tribal Historic Preservation Office
- Cherokee Nation, Tribal Historic Preservation Office
- Choctaw Nation Tribal Historic Preservation Office
- Delaware Nation, Cultural Historic Preservation Office
- Environmental Protection Agency, Office of Planning and Coordination
- Environmental Protection Agency, Region 6, 6WQ-EM
- FEMA, Federal Regional Center
- Millwood State Park
- Shawnee Tribe
- Southwest Arkansas Water District
- The Osage Nation
- The Osage Nation, Tribal Historic Preservation Office
- The Quapaw Tribe of Indians
- U.S. Department of Agriculture, Natural Resources Conservation Service
- U.S. Department of the Interior, Office of Environmental Policy and Compliance
- U.S. Fish and Wildlife Service
- U.S. Geological Survey, Southwest Region
- Hempstead County Judge
- Howard County Judge
- Little River County Judge
- Sevier County Judge
- Red River Valley Association
- Arkansas Natural Heritage Commission
- Arkansas Ecological Service Field Office
- Arkansas Department of Health
- Sevier County Office of Emergency Management
- Hempstead county Office of Emergency Management
- Little River County Office of Emergency Management
- Southeast Arkansas Planning and Development District

Organizations

Dock Builders

- Williamson Boat Docks Inc.
- Super Duty Docks & Lifts
- Deck, Docks & More Inc.
- Larry Diggs Construction Inc.
- Justin Simmons Construction LLC

Timber Buyers

- Domtar Ind.
- Weyerhaeuser
- Little River Hardwoods
- Millwood Corporation
- Hess Lumber Company Lovewell Timber Harvest
- Huber Engineered Woods LLC
- International Paper
- Magnolia Pulpwood Company
- Anthony Timberlands
- Prescott Land and Timber Co.
Appendix B: Agency Notification



Lake Master Plan, last revised in 1974, and Shoreline Management Plan, last revised in 2012. Pursuant to the National Environmental Policy Act (NEPA) of 1969 (P.L. 91-190) Environmental Assessments (EA) of potential impacts of the draft plans have also be prepared. Your agency is invited to review and comment on the draft Master Plan, Shoreline Management Plan, and associated draft EAs. The draft documents may be found at: https://go.usa.gov/x7Wns. Comments are requested between January 10 and February 8, 2022.

The Master Plan guides the management of government-owned and leased lands around the lake. Decisions about land use classifications in the Master Plan may affect future management of natural resources and recreational opportunities The Shoreline Management Plan establishes policy and furnishes guidelines for the protection and preservation of the desirable environmental characteristics of the shoreline while maintaining a balance between public and private shoreline uses. The Shoreline Management Plan main objectives are to manage and protect the shoreline, to establish and maintain acceptable fish and wildlife habitat, aesthetic quality and natural environment conditions and to promote the safe and healthful use of the lake and shoreline for recreational purposes by all Americans.

Input from the agencies and the general public will help define the needed revisions to the draft plans. The final Master Plan and Shoreline management plan is scheduled for completion in early 2022.

The purpose of the update is to bring the Master Plan and Shoreline Management Plan into compliance with current USACE policies and regulations, identify usage trends and customer needs, and balance shoreline uses with natural resource management. Updates to these plans have included review of current management practices of the lake and utilizing current technologies.

Your agency has been identified by the USACE as one that may have an interest in

-2-

this project. Revisions to the Master Plan and Shoreline Management Plan may have important implications for surrounding residential communities, businesses, parks, and natural areas. As a result, USACE is requesting your input and agency's expertise to assist in the refinement of the draft master plan and environmental assessment as required by NEPA and the USACE Engineer Regulation ER 200-2-2 "Procedures for Implementing NEPA".

Comments may be submitted via mail, email, or fax with attention to: Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203; Fax: (501) 324-6230; Email: <u>ceswl-millwoodlakempandsmprevision@usace.army.mil</u>. Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by February 8, 2022. If we do not hear from you within this time period, we will assume your agency has no comments at this time.

If you have any questions regarding this invitation, please contact me at (501) 324or via email at

Sincerely,

USACE, Little Rock District



-2-

The purpose of the update is to bring the Master Plan and Shoreline Management Plan into compliance with current USACE policies and regulations, identify usage trends and customer needs, and balance shoreline uses with natural resource management. Updates to these plans have included review of current management practices of the lake and utilizing current technologies.

Your agency has been identified by the USACE as one that may have an interest in this project. Revisions to the Master Plan and Shoreline Management Plan may have important implications for surrounding residential communities, businesses, parks, and natural areas. As a result, USACE is requesting your input and agency's expertise to assist in the refinement of the draft master plan and environmental assessment as required by NEPA and the USACE Engineer Regulation ER 200-2-2 "Procedures for Implementing NEPA".

Comments may be submitted via mail, email, or fax with attention to: Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203; Fax: (501) 324-6230; Email: <u>CESWL-MillwoodLakeMPandSMPRevision@usace.army.mil</u>. Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by May 11, 2022.

If you have any questions regarding this invitation, please contact me at (501) 324-5632 or via email at James.M.Bloxham@usace.army.mil.

Sincerely,

James M. Bloxham Natural Resources Specialist Planner, Operations Division USACE, Little Rock District

DEPARTMENT OF THE ARMY U.S. ARMY ENGINEER DISTRICT, LITTLE ROCK DISTRICT CORPS OF ENGINEERS P.O. BOX 867 LITTLE ROCK, ARKANSAS 72203-0867 March 31, 2022 Natural Resources Management Section **Operations Division** Honorable Bobby Gonzalez, Chairman Caddo Nation of Oklahoma Attention: Jonathan M. Rohrer Tribal Historic Preservation Officer Post Office Box 487 Binger, Oklahoma 73009 Dear Chairman Bobby Gonzalez: The Army Corps of Engineers (USACE), Little Rock District, is revising the Millwood Lake Master Plan, last revised in 1974, and Shoreline Management Plan, revised in 1993 and last administratively reviewed in 2012. Pursuant to the National Environmental Policy Act (NEPA) of 1969 (P.L. 91-190) Environmental Assessments (EA) of potential impacts of the draft plans have also been prepared. Your government is invited to review and comment on the draft Master Plan, Shoreline Management Plan, and associated draft EAs. The draft documents may be found at: https://go.usa.gov/x7Wns. In an effort to incorporate everyone's concerns, comments are requested between April 12, 2022, and May 11, 2022. During the Master Plan, Shoreline Management Plan and Environmental Assessment planning process an incorrect email address was included on the notification materials. To give the public, agencies, and tribal governments with an interest in Millwood Lake an opportunity to comment on the draft documents, USACE is reopening the comment period. The Master Plan guides the management of government-owned and leased lands around the lake. Decisions about land use classifications in the Master Plan may affect future management of natural resources and recreational opportunities. The Shoreline Management Plan establishes policy and furnishes guidelines for the protection and preservation of the desirable environmental characteristics of the shoreline while maintaining a balance between public and private shoreline uses. The Shoreline Management Plan main objectives are to manage and protect the shoreline, to establish and maintain acceptable fish and wildlife habitat, aesthetic quality and natural environment - 2 -

conditions, and to promote the safe and healthful use of the lake and shoreline for recreational purposes.

Input from the tribal governments, agencies, and the general public will help define the needed revisions to the draft plans. The final Master Plan and Shoreline Management Plan is scheduled for completion in the summer of 2022.

The purpose of the update is to bring the Master Plan and Shoreline Management Plan into compliance with current USACE policies and regulations, identify usage trends and customer needs, and balance shoreline uses with natural resource management. Updates to these plans have included review of current management practices of the lake and utilizing current technologies.

Your government has been identified by the USACE as one that may have an interest in this project. Revisions to the Master Plan and Shoreline Management Plan may have important implications for surrounding residential communities, businesses, parks, and natural areas. As a result, USACE is requesting your input and government's expertise to assist in the refinement of the draft master plan and environmental assessment as required by NEPA and the USACE Engineer Regulation ER 200-2-2 "Procedures for Implementing NEPA".

Comments may be submitted via mail, email, or fax with attention to: Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203; Fax: (501) 324-6230; Email: CESWL-MillwoodLakeMPandSMPRevision@usace.army.mil. Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by May 11, 2022.

If you have any technical questions regarding this invitation or documents, please contact the Planner, Mr. James Bloxham, at (501) 324-5632 or via email at <u>James.M.Bloxham@usace.army.mil</u>. For any cultural resources questions or general concerns, please feel free to contact me at (501) 324-5752 or at Allen.D.Wilson@usace.army.mil.

Sincerely,

Allen D. Wilson Tribal Liaison USACE, Little Rock District

Enclosures

Appendix C: Public Notifications

- Postcard
- News Release
- Social Media Posts
- Facts Sheet
- Comment Card





ATTEND THE PUBLIC WORKSHOP

Please drop in at any time during the following scheduled time:

November 4, 2021, 4-8 pm Central Baptist Church Family Life Center 271 W. Commerce St. Ashdown, AR 71822

All facilities accessible to persons with disabilities

The Army Corps of Engineers, Little Rock District, is requesting comments on the draft revised Master Plan, draft revised Shoreline Management Plan, and the draft Environmental Assessments, which describes alternative plans and potential impacts. For current information and to submit comments, please visit:

https://go.usa.gov/x7Wny

Attend the public workshop to learn the details of the draft alternatives and provide your input on the draft Master Plan, draft Shoreline Management Plan and Environmental Assessments to help guide future land use and management at Millwood Lake. Staff will be available to answer questions. Your input will help define the final plans and Environmental Assessments scheduled for completion in early 2022.

Comments must be submitted by December 6, 2021 <u>to:</u> Millwood MP & SMP Planner, Natural Resources Section USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203 Fax: (501) 324-6230, Email: <u>ceswl-millwoodmpandsmprevision@usace.army.mil</u>

BUILDING STRONG



Little Rock District P.O. Box 867 Little Rock, AR 72203

Join us at the workshop for the

Millwood Lake Master Plan and Shoreline Management Plan Revision

Or visit our website at

https://go.usa.gov/x7Wny

Figure 4-1 Draft Release Postcard

Millwood Lake Master Plan & Shoreline Management Plan Revision



The Army Corps of Engineers, Little Rock District, is reopening the comment period on the draft revised Master Plan, draft revised Shoreline Management Plan, and the draft Environmental Assessments, which describes alternative plans and potential impacts.

During the Master Plan, Shoreline Management Plan and Environmental Assessment planning process an incorrect email address was included on the notification materials. To give everyone that visits and lives around Millwood Lake an opportunity to comment on the draft documents USACE is reopening the comment period between April 12, 2022, and May 11, 2022.

> For current information and to submit comments, please visit: https://go.usa.gov/x7Wny

If you have a comment on these draft documents or if you provided comments during the previous comment period, please resubmit your comment to be considered. Your input will help define the final plans and Environmental Assessments.

Comments must be submitted by May 11, 2022 to: Millwood MP & SMP Planner, Natural Resources Management Section USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203 Fax: (501) 324-6230, Email: <u>CESWL-MillwoodLakeMPandSMPRevision@usace.army.mil</u>

BUILDING STRONG



US Army Corps of Engineers @ Little Rock District P.O. Box 867 Little Rock, AR 72203

> Millwood Lake Master Plan and Shoreline Management Plan Revision

> > Or visit our website at

https://go.usa.gov/x7Wny

 Release No: 79-21 Release: Immediately Oct. 21, 2021 Contact: Public Affairs, 501-324-5551 Cesw1-pa@usace.army.mi Media After Hours: 501-563-6835 USACE seeks public input on revised Millwood Lake Master Plan and Shoreline Management Plan ASHDOWN, Ark. – The U.S. Army Corps of Engineers, Millwood Lake Project Office is seeking public input on the draft Millwood Lake Master Plan, Shoreline Management Plan and associated Environmental Assessments. The public comment period for the draft plans is open from Oct. 21 through Dec. 6. Comments can be mailed to the Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, by fax: 501-324-6230 or e-mailed to <u>CESWL-</u> MillwoodLakeMPandSMPRevision@usace.army.mil. Comments must be received by December 6, 2021. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit our website at <u>https://go.usa.gov/x7WQy.</u> USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark. 	. ARMY CORPS OF ENGINEERS	BUILDING ST
USACE seeks public input on revised Millwood Lake Master Plan and Shoreline Management Plan ASHDOWN, Ark. – The U.S. Army Corps of Engineers, Millwood Lake Project Office is seeking public input on the draft Millwood Lake Master Plan, Shoreline Management Plan and associated Environmental Assessments. The public comment period for the draft plans is open from Oct. 21 through Dec. 6. Comments can be mailed to the Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, by fax: 501-324-6230 or e-mailed to <u>CESWL-</u> MillwoodLakeMPandSMPRevision@usace.army.mil. Comments must be received by December 6, 2021. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit our website at <u>https://go.usa.gov/x7WQv.</u> USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.	Release No: 79-21 Release: Immediately Oct. 21, 2021	Contact: Public Affairs, 501-324-5551 Ceswl-pa@usace.army.mil Media After Hours: 501-563-6835
ASHDOWN, Ark. – The U.S. Army Corps of Engineers, Millwood Lake Project Office is seeking public input on the draft Millwood Lake Master Plan, Shoreline Management Plan and associated Environmental Assessments. The public comment period for the draft plans is open from Oct. 21 through Dec. 6. Comments can be mailed to the Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, by fax: 501-324-6230 or e-mailed to <u>CESWL-</u> <u>MillwoodLakeMPandSMPRevision@usace.army.mil</u> . Comments must be received by December 6, 2021. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit our website at <u>https://go.usa.gov/x7WQv</u> . USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.	USACE seeks public input on re M	vised Millwood Lake Master Plan and Shoreline lanagement Plan
seeking public input on the draft Millwood Lake Master Plan, Shoreline Management Plan and associated Environmental Assessments. The public comment period for the draft plans is open from Oct. 21 through Dec. 6. Comments can be mailed to the Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, by fax: 501-324-6230 or e-mailed to <u>CESWL-</u> MillwoodLakeMPandSMPRevision@usace.army.mil. Comments must be received by December 6, 2021. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit our website at <u>https://go.usa.gov/x7WQv.</u> USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.	ASHDOWN, Ark The U.S. Army C	Corps of Engineers, Millwood Lake Project Office is
 Plan and associated Environmental Assessments. The public comment period for the draft plans is open from Oct. 21 through Dec. 6. Comments can be mailed to the Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, by fax: 501-324-6230 or e-mailed to <u>CESWL-</u> MillwoodLakeMPandSMPRevision@usace.army.mil. Comments must be received by December 6, 2021. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit our website at https://go.usa.gov/x7WQv. USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark. 	seeking public input on the draft Mills	wood Lake Master Plan, Shoreline Management
The public comment period for the draft plans is open from Oct. 21 through Dec. 6. Comments can be mailed to the Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, by fax: 501-324-6230 or e-mailed to <u>CESWL-</u> <u>MillwoodLakeMPandSMPRevision@usace.army.mil</u> . Comments must be received by December 6, 2021. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit our website at <u>https://go.usa.gov/x7WQv</u> . USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.	Plan and associated Environmental	Assessments.
 6. Comments can be mailed to the Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, by fax: 501-324-6230 or e-mailed to <u>CESWL-</u> <u>MillwoodLakeMPandSMPRevision@usace.army.mil</u>. Comments must be received by December 6, 2021. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit our website at <u>https://go.usa.gov/x7WQv</u>. USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark. 	The public comment period for	or the draft plans is open from Oct. 21 through Dec.
Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, by fax: 501-324-6230 or e-mailed to <u>CESWL-</u> <u>MillwoodLakeMPandSMPRevision@usace.army.mil</u> . Comments must be received by December 6, 2021. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit our website at <u>https://go.usa.gov/x7WQv.</u> USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.	6. Comments can be mailed to the M	fillwood Lake MP & SMP Planner, Natural
Rock, AR 72203, by fax: 501-324-6230 or e-mailed to <u>CESWL-</u> <u>MillwoodLakeMPandSMPRevision@usace.army.mil</u> . Comments must be received by December 6, 2021. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit our website at <u>https://go.usa.gov/x7WQv.</u> USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.	Resources Management Section, US	SACE, Little Rock District, P.O. Box 867, Little
MilwoodLakeMPandSMPRevision@usace.army.mil. Comments must be received by December 6, 2021. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit our website at https://go.usa.gov/x7WQv. USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.	Rock, AR 72203, by fax: 501-324-62	230 or e-mailed to <u>CESWL-</u>
December 6, 2021. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit our website at https://go.usa.gov/x7WQv_ USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.	MillwoodLakeMPandSMPRevision@	ousace.army.mil. Comments must be received by
Millwood Lake Master Plan and Shoreline Management Plan revisions visit our website at https://go.usa.gov/x7WQv, USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.	December 6, 2021. For an on-line fil	lable comment card and to learn more about the
at <u>https://go.usa.gov/x7WQv</u> USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.	Millwood Lake Master Plan and Sho	reline Management Plan revisions visit our website
USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.	at <u>https://go.usa.gov/x7WQv_</u>	
and associated EAs. The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.	USACE will also host a public	; in-person workshop to explain the Draft MP, SMP
The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.	and associated EAs.	
Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.	The workshop is scheduled fr	rom 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist
1005	Church, Family Life Center, 271 W.	Commerce St. Ashdown, Ark.
-MORE-		-MORE-

Figure 4-2 Draft Release News Release, Oct. 21, 2021

Those interested are encouraged to stop by during the scheduled times to visit with representatives from USACE. Representatives will be available to answer questions and maps will be shown to provide an overview of the revisions. This will be the final public outreach engagement for the Millwood Lake Master Plan and Shoreline Management Plan revision process before the plan revisions are complete.

Comments will also be accepted during the in-person workshop. In addition comments can be mailed to the Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, by fax: 501-324-6230 or e-mailed to <u>CESWL-</u>

<u>MillwoodLakeMPandSMPRevision@usace.army.mil</u> and must be received by December 6, 2021. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit our website at <u>https://go.usa.gov/x7WQv.</u>

--30---

U.S. ARMY CORPS OF ENGINEERS – LITTLE ROCK DISTRICT 700 West Capitol Ave., Little Rock, AR 72201 www.swl.usace.army.mil

Figure 4-3 Draft Release News Release, Oct. 21, 2021

BUILDING STRONG_®



NEWS RELEASE

U.S. ARMY CORPS OF ENGINEERS

Release No: 87-21 Release: Immediately December 2, 2021 Contact: Public Affairs, 501-324-5551 Ceswl-pa@usace.army.mil Media After Hours: 501-563-6835

USACES reminds everyone that the public comment period for the Millwood Lake Master Plan and Shoreline Management Plan revisions ends Dec. 6

Ashdown, Ark. -- The U.S. Army Corps of Engineers is reminding those around

Millwood Lake about the public comment period on the draft Millwood Lake Master Plan,

Shoreline Management Plan and associated Environmental Assessments that ends

Dec. 6.

Comments can be mailed to the Millwood Lake MP & SMP Planner, Natural

Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little

Rock, AR 72203, by fax: 501-324-6230 or e-mailed to CESWL-

<u>MillwoodLakeMPandSMPRevision@usace.army.mil</u> by Dec. 6. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit https://go.usa.gov/x7WQv.

--30---

U.S. ARMY CORPS OF ENGINEERS – LITTLE ROCK DISTRICT 700 West Capitol Ave., Little Rock, AR 72201 www.swl.usace.army.mil

Figure 4-4 Draft Release News Release, Dec. 2, 2021

BUILDING STRONG_®



NEWS RELEASE

U.S. ARMY CORPS OF ENGINEERS

Release No: 21-22 Release: Immediately April 4, 2022 Contact: Public Affairs, 501-324-5551 Ceswl-pa@usace.army.mil Media After Hours: 501-563-6835

USACE reopens public comment period for the Millwood Lake Master Plan and Shoreline Management Plan revisions from April 12th to May 11th

Ashdown, Ark. -- The U.S. Army Corps of Engineers is reopening the public comment period on the draft Millwood Lake Master Plan, Shoreline Management Plan and associated Environmental Assessments between April 12 and May 11, 2022.

During the MP, SMP and EA planning process an incorrect email address was included on the comment documents. To give everyone that visits and lives around Millwood Lake an opportunity to comment on the updated documents USACE is reopening the comment period. If you have a comment on these draft documents or if you provided comments through e-mail during the previous comment period, please resubmit your comment to be considered.

Comments can be mailed to the Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, by fax: 501-324-6230 or e-mailed to <u>CESWL-</u>

<u>MillwoodLakeMPandSMPRevision@usace.army.mil</u> by May 11th. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit <u>https://go.usa.gov/x7WQv.</u>

--30--

U.S. ARMY CORPS OF ENGINEERS – LITTLE ROCK DISTRICT 700 West Capitol Ave., Little Rock, AR 72201 www.swl.usace.army.mil

Figure 4-5 Draft Release News Release, April 4, 2022



MILLWOOD LAKE MASTER PLAN REVISION

Alternative 4 - Minimum Conservation



- Land is classified as High Density Recreation and Low Density Recreation to allow future development of trails near recreation areas.
- Classified some lands adjacent to private land with development as Low Density Recreation to allow the potential for vegetation management permits.
- Unclassified lands are classified into one of the six classifications

Classification	Alternative 1 Maximum Conservation		Alternative 2 Moderate Conservation (Preferred)		Alternative 3 No Action		Alternative 4 Minimum Conservation	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Land Classification								
High Density	1,018.5	11%	1,018.5	11%	1,384.3	15%	1,054	11%
Low Density	186.6	2%	243.6	3%	0	0%	663.5	7%
Environmentally Sensitive	7,366	79%	2,898.1	31%	2,058	22%	2,729	29%
Project Operations	339.3	4%	339.3	4%	378.5	4%	3393	4%
Wildlife Management	289	3%	4,700	50%	5,361.3	57%	4,413.7	47%
Vegetative Management	113.2	1%	133.2	1%	0	0%	133.2	1%
Not Allocated	0	0%	0	0%	150.6	2%	0	0%
Water Surface Classification								
Restricted	76.3	<1%	76.3	<1%	76.3	<1%	76.3	<1%
Open Recreation	28,222.2	>99%	28,222.2	>99%	28,222.2	>99%	28,222.2	>99%
*Alternative 1 and2 are a significant increase in conservation & preservation of the lake's natural setting over Alternative 3.								

Comparison of Land Classifications by Alternative

Figure 4-7 MP Draft Release Facts Sheet Page 2

MILLWOOD LAKE SHORELINE MANAGEMENT PLAN REVISION

The U.S. Army Corps of Engineers, Little Rock District (Corps), is revising the Millwood Lake Shoreline Management Plan (SMP). Based on the comments received during the SMP scoping comment period held in November and December 2020, the Corps has developed an alternative that reflects the viewpoints of lake users and stakeholders. The public comment period and public workshop is intended to solicit input and feedback on the draft alternative prior to finalization and implementation of an revised SMP. The SMP alternative under consideration aligns with the draft MP.



ABOUT THE MILLWOOD LAKE SHORELINE MANAGEMENT PLAN

The Millwood Lake SMP establishes policy and furnishes guidelines for the protection and preservation of the environmental characteristics of the shoreline while maintaining a balance between public and private shoreline uses. The SMP allows individuals to apply for shoreline use permits such as vegetative modification, private floating facilities, etc. The alternative developed for the SMP revision are consistent with the land classifications established in the draft Millwood Lake Master Plan also being reviewed.

MAJOR CHANGES TO THE MILLWOOD LAKE SHORELINE MANAGEMENT PLAN

*Will not remove valid permits *1-20 boat stalls *Suitable LDA now totals .2 miles (was 3.1 miles) *In compliance with draft Master Plan *Incorporated federal, state, and local policies into SMP *Underbrush allowed to be removed through a permit is any non-flowering tree or shrub 2 inches or less in diameter at ground level. *Only alternative power sources (e.g. solar) will be allowed for new floating facilities *Permit applicants must own at least 75 ft. of common boundary within LDA to be considered for a dock.



Figure 4-8 SMP Draft Release Facts Sheet Page 1

MILLWOOD LAKE SHORELINE MANAGEMENT PLAN ALTERNATIVE UNDER CONSIDERATION

- Alternative 1 Conservative—Alternative 1 No Action—Defined as no change from the current SMP, which was revised in 1993 and last administratively revieweed in 2012. The No Action Alternative would include policies enacted since 2012, but without changes in shoreline designations.
- Alternative 2 (Preferred)—Alternative 2 includes unique management measures, but also includes management measures shared by the other action alternatives. In this alternative, allocations are markedly different from the allocations in the current plan. The most substantial difference is the reallocation of LDA shoreline miles to Public Recreation Areas and Protected Shoreline Area Zoning. LDA zoning would be reduced from 3.1 miles of shoreline to .2 miles of shoreline. In Alternative 2, Public Recreation Area shoreline would be reduced from 27.2 miles to 26.3 miles. These Public Recreation Area lands would be converted primarily to Protected Shoreline Area lands, for a total of 740.9 miles.



Figure 4-9 SMP Draft Release Facts Sheet Page 2

and Envir	ronmental Assessments US Army Co. Little Rock Dist
Please use this form to provide your comments of associated draft Environmental Assessments (EA Shoreline Management Plan, and EAs may be fo	on the draft revised Millwood Lake Master Plan, Shoreline Management Plan, and t A) and the potential impacts of the alternatives for each plan. The draft Master Plan und on the website at <u>https://qo.usa.qov/x7Wnv</u> . Feel free to take extra forms.
Comments must be submitted by December 6, 2	2021 to USACE at the addresses below.
PLEASE PRINT	
Name/Organization:	
Address:	Zipcode:
Email:	
Please provide your comments and sugges Environmental Assessment.	tions on the draft Millwood Lake Shoreline Management Plan (SMP) and
Please provide your comments and sugges Environmental Assessment.	tions on the draft Millwood Lake Shoreline Management Plan (SMP) and
Please provide your comments and sugges Environmental Assessment.	tions on the draft Millwood Lake Shoreline Management Plan (SMP) and
Please provide your comments and sugges Environmental Assessment.	tions on the draft Millwood Lake Shoreline Management Plan (SMP) and
Please provide your comments and sugges Environmental Assessment.	tions on the draft Millwood Lake Shoreline Management Plan (SMP) and il, fax or the project website with attention to: Millwood MP and SMP ection, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: PandSMPRevision@usace.army.mil.
Please provide your comments and sugges Environmental Assessment.	tions on the draft Millwood Lake Shoreline Management Plan (SMP) and il, fax or the project website with attention to: Millwood MP and SMP ection, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: PandSMPRevision@usace.army.mil. site: https://go.usa.gov/x7Wpv.

Figure 4-10 Draft Release Comment Card

Millwood Lake Maste	r Plan and Shoreline Management Pl	an Revision 🔟
ar	d Environmental Assessments	US Army Co of Engineer Little Rock Dis
Please use this form to provide your associated draft Environmental Asse draft Shoreline Management Plan, a	comments on the draft revised Millwood Lake Master Plan, S ssments (EA) and the potential impacts of the alternatives fo nd EAs may be found on the website at <u>https://ao.usa.aov/x</u>	ihoreline Management Plan, and r each plan. The draft Master Pla <u>7Wav</u> , Feel free to take extra forr
Comments must be submitted by Mo	y 11, 2022 to USACE at the addresses below.	
PLEASE PRINT		
Name/Organization:		
Address:		Zipcode:
Email:		
Assessment.		
	nd suggestions on the draft Millwood Lake Shoreline	Management Plan (SMP) and
draft Environmental Assessment		
draft Environmental Assessmen		
Comments may be submitted via Planner, Natural Resources Mana (501) 324-6230, Email: <u>CESWL-M</u>	mail, email, fax or the project website with attention t gement Section, USACE, Little Rock District, P.O. Box 8 illwoodLakeMPandSMPRevision@usace.army.mil.	o: Millwood MP and SMP 67, Little Rock, AR 72203. Fax:
Comments may be submitted via Planner, Natural Resources Mana (501) 324-6230, Email: <u>CESWL-M</u>	mail, email, fax or the project website with attention t gement Section, USACE, Little Rock District, P.O. Box 8 <u>illwoodLakeMPandSMPRevision@usace.army.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> .	o: Millwood MP and SMP 67, Little Rock, AR 72203. Fax:
Comments may be submitted via Planner, Natural Resources Mana (501) 324-6230, Email: <u>CESWL-M</u>	mail, email, fax or the project website with attention t gement Section, USACE, Little Rock District, P.O. Box 8 <u>illwoodLakeMPandSMPRevision@usace.army.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . marked, e-mailed, faxed, or otherwise submitted by Ma	o: Millwood MP and SMP 67, Little Rock, AR 72203. Fax: 19 11, 2022.

Figure 4-11 Draft Release Comment Card, Corrected

Appendix D: Public Draft Release Comments

Millwood Lake Master Plan and Shoreline Management Plan Revision
and Environmental Assessments US Army Corps
and Little Rock District
Please use this form to provide your comments on the draft revised Millwood Lake Master Plan, Shoreline Management Plan, and the associated draft Environmental Assessments (EA) and the potential impacts of the alternatives for each plan. The draft Master Plan, draft Shoreline Management Plan, and EAs may be found on the website at https://go.usa.gov/x7Wnv . Feel free to take extra forms.
Comments must be submitted by December 6, 2021 to USACE at the addresses below.
PLEASE PRINT
Name/O
Address:
Email:
그녀는 사람이 집에 들었는 것이 다니지 않는 것이 같아요. 것이 같아요. 그는 것이 가지 않는 것이 같아요.
Please provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental
Assessment.
* INUTRIA RATS DISAPEARED 2.54R AGO & AlliGATOR POPULATION TRUPLED,
#2) EXCESSIVE VEGETATION EXPLODED INGROWTH LIMITING OR ELIMINATED
NAVIGATION IN MANY AREASON MILLWOOD LAKE,
A DIESCOSSIVE SILTATION & SEDIMENTATION UMITING NOVIGATION:
* TIC VER SETTS JOUGS CONSTANCY PUSHED DUT OF CHTTERIVER CHAMEL
15 MARK LITTE RUER CHAINE WELLED E MARKEDS (AS VOL. AND
I DN BUAT LANES EDAM DUITAN TRAVI TO DEAL WATER INFORM THEMAN
Plan and a start of the start of the start of the start of the
draft Environmental Assessment.
* 5'CONT) THOMICHOUT THE FLOODED TINGED ED SETTION OF MAIN LAKE
BOAL THAT WOULD ANADE CHANNEL BOTH SIDES LIKE THE BOTHA
LANES ALREADY MARKED WITH POLES ON BOTH SIDES DELITIE
RIVER FROM MILE MARKER (GPS) "10" TO MILE MARKER OF OR
OPEN WATER IN FRONT OF DAM.
* 6) CONSIDER ALL OPTIONS TO INCREASE FLOOD CAPACITY & LAKE DEP THREAM)
7) MRESS LITTLE RIVER COUNTY (LEASEE) TO MAINTAIN PROFERTLY ON 9945 LEASE
8) CETURN ANNUAL ORANDOWNS OF 3-3,5 FEET TO REDUCE EXCESS VEGETATION
Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP
Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax:
(501) 324-6230, Email: CESWL-MillwoodMPandSMPRevision@usace.army.mil.
Website: https://go.usa.gov/x7Wnv.
Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021.
PRIVACT ACT STATEMENT INSTRUCTIONS: AUTHORITY ER 1130-2.550, and the laws and regulations reternino (Humain, PUNCIPAL PURPOSI(5): To provide a mean for the maximum practicable public participation in Manter Flan formaticity, preparation and subrequent resistors, through the use of public interting, group vorisitops, goan bases or other public involvement. NOUTINE U2(5): Informaticn you provide will be available for public neutron way be disclosed to momises of the Department of Defense or other Government agencies who have a need for the information in performance of their official chiefs, and where use of such information is compared for which the information is collected. DISCLOSURE: Voluntary; however, failure to furnish the requested information may prevent the Agency From being able to direct meeting notions or provide additional information to commenters.

Millwood Lake MP & SMP Revision

Millwood Lake N	Aaster Plan and Shoreline Management Plan Revision
	and Environmental Assessments of Englineers® Little Rock District
Please use this form to provi associated draft Environmen draft Shoreline Management	de your comments on the draft revised Millwood Lake Master Plan, Shoreline Management Plan, and the ital Assessments (EA) and the potential impacts of the alternatives for each plan. The draft Master Plan, t Plan, and EAs may be found on the website at <u>https://go.usa.gov/x7Wnv</u> . Feel free to take extra forms.
Comments must be submitte	d by December 6, 2021 to USACE at the addresses below.
PLEASE PRINT	
Name/	
Addres	
Emotil	
cinali:	
Please provide your comm Assessment	nents and suggestions on the draft Millwood Lake Master Plan and draft Environmental
DAVALONA	LANNING TIRAL NOME HONNOON ASS
B. Papel-	C ALSO NEOD NOME DOLLA TO
STALL DOL	WN dra Light Light the Will
IS UP	a compare anyon anew the with
	P
	ments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and
Please provide your comm	· · · · · · · · · · · · · · · · · · ·
Please provide your comm draft Environmental Asse	ssment.
Please provide your comm draft Environmental Asse	issment.
Please provide your comm draft Environmental Asse	issment.
Please provide your comm draft Environmental Asse	issment.
Please provide your comm draft Environmental Asse	essment.
Please provide your comm draft Environmental Asse	essment.
Please provide your comm draft Environmental Asse	essment.
Please provide your comm draft Environmental Asse	essment.
Please provide your comm draft Environmental Asse	essment.
Please provide your comm draft Environmental Asse	ted via mail, email, fax or the project website with attention to: Millwood MP and SMP
Please provide your comm draft Environmental Asser	ited via mail, email, fax or the project website with attention to: Millwood MP and SMP
Please provide your comm draft Environmental Asses	ted via mail, email, fax or the project website with attention to: Millwood MP and SMP 's Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: SWI-MillwoodMPandSMPRevision@usace.army.mil.
Please provide your comm draft Environmental Asses	tted via mail, email, fax or the project website with attention to: Millwood MP and SMP s Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: SWL-MillwoodMPandSMPRevision@usace.army.mil.
Please provide your comm draft Environmental Asses Comments may be submit Planner, Natural Resource (501) 324-6230, Email: <u>CES</u>	tted via mail, email, fax or the project website with attention to: Millwood MP and SMP :s Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: <u>SWL-MillwoodMPandSMPRevision@usace.army.mil</u> . <u>Website: https://go.usa.gov/x7Wnv</u> .
Please provide your comm draft Environmental Asser Comments may be submit Planner, Natural Resource (501) 324-6230, Email: <u>CES</u> Written comments must b	tted via mail, email, fax or the project website with attention to: Millwood MP and SMP S Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: <u>SWL-MillwoodMPandSMPRevision@usace.army.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . In postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021.
Please provide your comm draft Environmental Asser Comments may be submit Planner, Natural Resource (501) 324-6230, Email: <u>CES</u> Written comments must b	tted via mail, email, fax or the project website with attention to: Millwood MP and SMP s Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: SWL-MillwoodMPandSMPRevision@usace.army.mil. Website: https://go.usa.gov/x7Wny. re postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021.

Willing God Lake Wilster Plan and Singerine Walagerinet Plan Records We Army Contraction and Environmental Assessments We are use this form to provide your comments on the draft revised Millwood Lake Master Plan, Shoreline Management Plan, and EAs may be found on the website at <u>https://gousa.gou/s704mp</u> . Feel free to take extra forms Somemics Management Plan, and EAs may be found on the website at <u>https://gousa.gou/s704mp</u> . Feel free to take extra forms Somemics must be submitted by December 6, 2021 to USACE at the addresses below. **EASE PRINT Name/ Values provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental sessesment. **EASE PRINT **Lease provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental sessesment. **Lease provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and traft Environmental Assessment. **Hease provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and traft Environmental Assessment. **Hease provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and traft Environmental Assessment. **Lease provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and traft Environmental Assessment. **Lease provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and traft Environmental Assessment. <t< th=""><th>and Environmental Assessments</th><th></th></t<>	and Environmental Assessments	
and Environmental Assessments Of Engineers Please use this form to provide your comments on the draft revised Millwood Lake Master Plan, Shoreline Management Plan, and Eth spochade draft Environmental Assessments (EA) and the potential impacts of the alternatives for each plan. The draft Master Plan, fraft Shoreline Management Plan, and EAs may be found on the website at https://gausa.gau/s2Wmv . Feel free to take extra forms to manents must be submitted by December 6, 2021 to USACE at the addresses below. **EASE PRINT Image: Comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental Assessment. #*EASE provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental Assessment. Image: Comments and Suggestions on the draft Millwood Lake Master Plan and draft Environmental Assessment. #*Hease provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and fraft Environmental Assessment. Image: Comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and fraft Environmental Assessment. **Nease provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and fraft Environmental Assessment. Image: Comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and fraft Environmental Assessment. **Nease provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and fraft Environmental Assessment. **Nease provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and fraft Environmental	and Environmental Assessments	US Army Corp
Neese use this form to provide your comments on the draft revised Millwood Lake Master Plan, Shoreline Management Plan, and the sessional draft Environmental Assessments (EA) and the potential impacts of the alternatives for each plan. The draft Master Plan, traft Shoreline Management Plan, and EA may be found on the website at https://go.usa.gov/s?UMvy. Feel free to take extra forms forments must be submitted by December 6, 2021 to USACE at the addresses below. VEEASE PRINT VEEASE PRI		of Engineers
Comments must be submitted by December 6, 2021 to USACE at the addresses below. PLEASE PRINT Name/C Address simall: Please provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental sessment. Please provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental sessment. Please provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental sessment. Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and fraft Environmental Assessment. Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and fraft Environmental Assessment. Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and fraft Environmental Assessment. Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planer, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, Fax: Sol) 324-6230, Email: CESWL-Millwood/MP and SMP Planer, Natural Resources Management Section, USACE, Little Rock Jaced, Jaced, or otherwise submitted by December 6, 2021. Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021.	lease use this form to provide your comments on the draft revised Millwood Lake Master Plan, Shoreline Managem ssociated draft Environmental Assessments (EA) and the potential impacts of the alternatives for each plan. The dra kaft Shoreline Management Plan, and EAs may be found on the website at <u>https://go.usa.gov/x7Wnv</u> . Feel free to t	ent Plan, and th aft Master Plan, ake extra forms
PLEASE PRINT Name/O Address Sease provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental seasement. Image: Sease provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental seasement. Image: Sease provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and fraft Environmental Assessment. Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and fraft Environmental Assessment. Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and fraft Environmental Assessment. Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and fraft Environmental Assessment. State of the submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planer, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, Fax: [501] 324-6230, Email: CESWL-MillwoodMPandSMPRevision@usace.armv.mill. Website: https://go.usa.gov/x7Wnv. Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021. Watter as submitted with an and relate relation downed back. PMIDELED AND PLEASE PLANER PLANE	omments must be submitted by December 6, 2021 to USACE at the addresses below.	
Name/o Address Semail:	LEASE PRINT	
Address Email: Please provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental Assessment. J. Dirpurght Supprit The Conversion 10 Environmental Assessment. J. Dirpurght Supprit The Conversion 10 Environmental Address Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and Prease provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and Comments may be submitted via mail, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, Fax: Soil 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.army.mil.</u> Website: https://go.usa.gov/x7Wnv . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021. Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021.	lame/0	
Email:	iddres:	
Please provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental Assessment. The provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and draft Environmental Assessment. Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and draft Environmental Assessment. Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: [501] 324-6230, Email: <u>CESWL-Millwood/PandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 . Ward and Standard MillWood Pand Standard Planted Bill Standard Planted Billwood Billwood Planted	mail:	
Please provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental Assessment. J. Strondu. Support. The Conversion to Environmentally Land that arch time. Support The Conversion to Environmentally Land that arch time. Support The Conversion to Environmentally Land that arch time. Support The Conversion to Environmentally Land Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and draft Environmental Assessment. Comments may be submitted via mall, email, fax or the project website with attention to: Millwood MP and SMP Pleaner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, Fax: (501) 324-6230, Email: CESWL-MillwoodMPandSMPRevision@usace.army.mil. Website: https://go.usa.gov/x7Wny. Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021. written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021.	-	
Substitute:	lease provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Envir Assessment	ronmental
Drow Swapp in a conversion of the project website with attention to: Millwood MP and SMP Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and draft Environmental Assessment. Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: [501] 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil.</u> Website: <u>https://go.usa.gov/x7Wnv.</u> Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021.	Tat I to the second da Facilia and	11 / and
#hat ard. Tyud Wird Wird M Unite Cuttos Compared. Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and draft Environmental Assessment. Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: 501) 324-6230, Email: <u>CESWL-MillwoodMP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: 501) 324-6230, Email: <u>CESWL-MillwoodMP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: 501) 324-6230, Email: <u>CESWL-MillwoodMP and SMP Planner, Natural Resources Management Section, USACE, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: 501) 324-6230, Email: <u>CESWL-MillwoodMP and SMP Planner, Natural Resources Management Section, USACE, USACE, Section, USACE, District, P.O. Box 867, Little Rock, AR 72203. Fax: 501) 324-6230, Email: <u>CESWL-MillwoodMP and SMP Planner</u>, MillwoodMP and SMP Planner, Natural Resources Management Section, USACE, Network Barbard Barbard Medica Advector Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: 501) 324-6230, Email: <u>CESWL-MillwoodMP and SMP Rotor Management</u> </u></u></u></u>	+ STRINGLY SUPPORT INE CONVERSION TO ENVIRONMENTED	11- 6-898
Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and draft Environmental Assessment. Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: (501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .	that are trust west of White Slitts Comparand	
Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and draft Environmental Assessment. Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: (501) 324-6230, Email: <u>CESWL-MillwoodMP and SMPRevision@usace.army.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Mritten comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021.		
Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and draft Environmental Assessment.		
Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and draft Environmental Assessment.		
Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and draft Environmental Assessment. Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: [501] 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.army.mil.</u> Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021.		
Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and draft Environmental Assessment. Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: [501] 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.army.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .		
Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and draft Environmental Assessment. Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: (501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .		
Please provide your comments and suggestions on the draft Millwood Lake Shoreline Management Plan (SMP) and draft Environmental Assessment.		
draft Environmental Assessment. Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: [501] 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.army.mil.</u> Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .	lease provide your comments and suggestions on the draft Millwood Lake Shoreline Management Pla	n (SMP) and
Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: [501] 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .	traft Environmental Assessment.	
Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: (501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .	rat Environmental Assessment.	
Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: (501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .		
Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: (501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .		
Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: (501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .		
Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: (501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.army.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .		
Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: (501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.army.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .		
Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: (501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .		
Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: [501] 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .		
Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: (501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .		
Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP and SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: (501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .		
Comments may be submitted via mail, email, fax of the project website with attention of with one of a Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Fax: (501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .		
Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203. Pax. [501] 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .	The sector system with a stantion to: Millwood MP :	and SMP
(501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.armv.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .	Zomments may be submitted via mail, email, fax or the project website with attention to: Millwood MP a	and SMP
Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .	Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP a Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, Ai	and SMP R 72203. Fax:
Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021.	Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP a Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, Ai 501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.army.mil</u> .	and SMP R 72203. Fax:
Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021. www.cr.act.statement instructions: without the list 2-550, and the lows and regulations referenced theorie. PRINCIPAL PURPOSEIS). To provide a means for the maximum practicable public participation	Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP a Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, Ai 501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.army.mil</u> . Website: https://go.usa.gov/x7Wnv.	and SMP R 72203. Fax:
NEWACT ACT STATEMENT INSTRUCTIONS: AUTHORN'TY, ER 1130-2-550, and the laws and regulations referenced therein. PRINCIPAL PUR POSE[5]: To provide a mean for the maximum practicable public participation	Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP a Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, Ai 501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.army.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> .	and SMP R 72203. Fax:
	Comments may be submitted via mail, email, fax or the project website with attention to: Millwood MP a Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, Ai 501) 324-6230, Email: <u>CESWL-MillwoodMPandSMPRevision@usace.army.mil</u> . Website: <u>https://go.usa.gov/x7Wnv</u> . Written comments must be postmarked, e-mailed, faxed, or otherwise submitted by December 6, 2021 .	and SMP R 72203. Fax:

Millwood Lake MP & SMP Revision

From: To: Subject: Date:



I feel like the normal lake level is about a foot too shallow.

Sent from my iPhone

From:	noreply@dma.m	<u>ul</u>			
To:	CESWL-Milwood	dLakeMPandSMPRevision			
Subject:	Public Comment from the Millwood Lake MP / SMP Revision Form				
Date:	Friday, May 6, 2	022 9:45:48 PM			
Name / Organi	ization:				
Address:					
E-Mail:					
Phone:					
Please provide comments and suggestions on Millwood Lake Plan and draft Environmenta Assessment.	your the draft e Master t	I request that the original layout be kept the way it was first laid eyes on. Access to all area. Nothing should be restricted or manufactured on this land. No extra land marks need be built only retaining walls within reason to hold the lake. From looking at the land itself it clear was inhabited by many long ago and we should preserve that history and hope that one day we may add to it. Mayan culture may have entered the area hundreds of years ago. Preservation is as important as access.			
Please provide comments and suggestions on Millwood Lake Shoreline Man Plan (SMP) an Environmenta Assessment.	your the draft e nagement id draft l	I request that the original layout be kept the way it was first laid eyes on. Access to all area. Nothing should be restricted or manufactured on this land. No extra land marks need be built only retaining walls within reason to hold the lake. From looking at the land itself it clear was inhabited by many long ago and we should preserve that history and hope that one day we may add to it. Mayan culture may have entered the area hundreds of years ago. Preservation is as important as access.			

From: norephylidma To: CESWL-Milwoo Subject: Public Commer Date: Thursday, May	nil dLakeMPandSMPRevision It from the Millwood Lake MP / SMP Revision Form 5, 2022 8:48:38 PM
Name / Organization:	
Address:	
E-Mail:	
Phone:	
Please provide your comments and suggestions on the draft Millwood Lake Master Plan and draft Environmental Assessment.	why no work is done on millwood in paraloma no fishing ramp like i see in the other places no money generated in this area.
comments and suggestions on the draft	
Shoreline Management	
Plan (SMP) and draft	
Environmental Assessment.	

Appendix E: Agency Draft Release Comments





Asa Hutchinson Governor Stacy Hurst Secretary

January 18, 2022



Little Rock District, Corps of Engineers 700 West Capitol Post Office Box 867 Little Rock, AR 72201-3221

Dear

This letter is to acknowledge that your letter dated January 3, 2022, regarding the "Revising the Millwood Lake Master Plan, last revised in 1974, and the Shoreline Management Plan, last revised in 2012," was received in my office on January 14, 2022.

The letter was promptly forwarded to the appropriate historic preservation managers to assist in your research.

Sincerely,



SH:tll

Division of Arkansas Heritage 1100 North Street • Little Rock, AR 72201 • 501.324.9150 ArkansasHeritage.com





Asa Hutchinson Governor Stacy Hurst Secretary

April 13, 2022

James Bloxham Department of the Army Little Rock District, Corps of Engineers 700 West Capitol Post Office Box 867 Little Rock, AR 72203-0867

Dear James:

This letter is to acknowledge that your letter dated April 8, 2022, regarding the "Revision of the Millwood Lake Master Plan, last revised in 1974, and the Shoreline Management Plan, last revised in 1993 and most recent administrative review in 2012," was received in my office on April 8, 2022.

The letter and attachments were promptly forwarded to the appropriate historic preservation managers to assist in your research.

Sincerely Stacy Hurst

Secretary, AR Dept. of Parks, Heritage & Tourism

SH:tll

Division of Arkansas Heritage 1100 North Street • Little Rock, AR 72201 • 501.324.9150 ArkansasHeritage.com

From: Subject: Date:	[Non-DoD Source] Millwood Lake Master Plan and Shoreline Management Plan Thursday, January 20, 2022 9:23:48 AM
Thanks for Millwood L	our time and assistance earlier pertaining to the proposed revised USACE ake Master Plan and Shoreline Management Plan.
Our office v as seen bel review.	vould like to reiterate comments made during the scoping process of this project ow. We have no additional comments at this time. Thanks for the opportunity to
"Any propo existing inu species." "Lake mana listed or thi Wildlife Ser	sed changes that would modify the release volumes and schedules or change the ndation in upstream tributaries would need to account for possible affects to listed gement modifications that would result in negative or positive effects to federally reatened or endangered species should be in consultation with the U.S. Fish and vice per Sec 7a2 of the Endangered Species Act."
U.S. Fish an Arkansas Ec 110 S Amity	d Wildlife Service cological Services Field Office r Rd, Ste 300
Conway, AF	72032
Conway, AF	72032



THE REAL AND THE	Arkansas Heritage		Asa Hutchinson Governor Stacy Hurst Secretary
April 18, 2022			
Mr. James M. I Natural Resour Operations Div Department of Little Rock Dis Post Office Bo Little Rock, Arl	3loxham rces Specialist rision the Army trict, Corps of Engineers x 867 kansas 72203-0867		
RE: Little I Sectio Public AHPP	River, Hempstead, Howard, and Sevier Cour n 106 Review: COE Comment: Millwood Lake Master Plan Tracking Number: 107090.02	ities: Millwood Lake	
Dear Mr. Blox	nam:		
The staff of th Management F River, Hempst Master Plan, la plans will prov the healthful u	e Arkansas Historic Preservation Program (Plan, and the associated draft Environmenta ad, Howard and Sevier Counties, Arkansas st issued in 1974, along with the Millwood ide management guidelines for the preserva se of the lake for recreational purposes.	AHPP) reviewed the draft Master Plan, th I Assessments for the above-referenced of . The undertaking proposes to revise the Lake Shoreline Management Plan, last iss ation of natural and cultural resources alo	e Shoreline undertaking in Little Millwood Lake sued in 2012. These ng with promoting
Based on the p Management F archeological a "encouraged to and 25 of the o any future com Lake. We look and preserve h	rovided information in the Environmental A lan, we recommend the implementation of ind historic resources at Millwood Lake. We complete excavation and salvage operation draft Environmental Assessments). We requires pondence regarding the Master Plan as we forward to reviewing any proposed ground istoric properties.	assessments and the draft Master Plan and the alternatives that provide the most pre- noticed that the Arkansas Archeological ns prior to development" of the White Cl est that the Arkansas Archeological Surviv vell as any Section 106 undertakings invo -disturbing activities at Millwood Lake in	d Shoreline otection to Survey will be liffs area (Pages 19 ey be consulted on living Millwood order to identify
Tribes that hav Osage Nation, 800.2(c)(2).	e expressed an interest in the area include the Quapaw Nation, and the Shawnee Trib	the Caddo Nation, the Choctaw Nation o e. We recommend consultation in accord	f Oklahoma, the ance with 36 CFR §
Thank you for AHPP Tracking my staff at 50:	the opportunity to review this proposed M. 3 Number listed above in all correspondence 1-324-9357 or email jessica.cogburn@arkar	aster Plan and associated documents. Ple e. If you have any questions, please call Je isas.gov.	ase refer to the essica Cogburn of
Sincerely, Jessica H. Cogbum Scott Kaufmar Director, AHPI	Digtally signed by Jessics H. Coptum Defa: 2022.04.18 13:03:12-05/00*		
cc: Dr. Me	issa Zabecki, Arkansas Archeological Surv	ÿ	
	Arkansas Historic 1100 North Street • Little R ArkansasPr	Preservation Program lock, AR 72201 • 501.324.9150 eservation.com	





Osage Nation Historic Preservation Office

Date: February 9, 2022

File: 2122-1914AR-10

Little Rock District, USACE Dana Coburn P.O. Box 8002 Little Rock, AR 72203-0867 Email:

RE: USACE, Little Rock District, Millwood Lake Master Plan and Shoreline Management Plan Revision, Multiple Counties, Arkansas

SENT VIA EMAIL

Dear

The Osage Nation Historic Preservation Office (ONHPO) has evaluated your submission for the proposed USACE, Little Rock District, Millwood Lake Master Plan and Shoreline Management Plan Revision, Multiple Counties, Arkansas. The ONHPO is not aware of, but has a general concern for, any burials (graves, mounds, cairns), prehistoric districts, sites, or objects included in or eligible for inclusion in the National Register of Historic Places (36 CFR § 800.16(l)) or that have not been evaluated pursuant to 36 CFR § 800.4(c) in consultation with the Osage Nation that may be located within the area of potential effects (APE). If any are identified within the APE during any identification efforts conducted for the proposed project, including background research and cultural resource surveys, the Osage Nation requests to be notified and provided with all relevant CRS reports and correspondence of the State Historic Preservation Office (SHPO), or affiliated reviewing state agency, for review and comment prior to the federal agency's approval of the proposed undertaking. The Osage Nation, however, has no concern for historic graves unaffiliated with the Osage Nation or any identified historic archaeology sites that have no knownconnection to the Osage Nation. There is no need to further notify or further consult with the Osage Nation regarding any such graves or non-Osage historic sites located in the project APE.

In accordance with the National Historic Preservation Act, (NHPA) [54 U.S.C. § 300101 et seq.] 1966, undertakings subject to the review process are referred to in 54 U.S.C. § 302706 (a), which clarifies

OSAGE NATION HISTORIC PRESERVATION OFFICE



that historic properties may have religious and cultural significance to Indian tribes. Additionally, Section 106 of NHPA requires Federal agencies to consider the effects of theiractions on historic properties (36 CFR Part 800) as does the National Environmental Policy Act (43 U.S.C. 4321 and 4331-35 and 40 CFR 1501.7(a) of 1969). If no graves, historic properties, or cultural resources, as specified above, are identified within the APE during any identification efforts conducted for the proposed project, the Osage Nation concurs that the Little Rock District, USACE has fulfilled NHPA compliance by consulting with the Osage Nation Historic Preservation Office in regard to the proposed USACE, Little Rock District, Millwood Lake Master Plan and Shoreline Management Plan Revision, Multiple Counties, Arkansas.

If artifacts or human remains are discovered during project-related activities we ask that activities cease immediately and the Osage Nation Historic Preservation Office be contacted at 918-287-5328 within 48 hours of the discovery and prior to the resuming of project activities. Should you have any questions or need any additional information please feel free to contact me at the number listed below. Thank you for consulting with the Osage Nation on this matter.

Director, Tribal Historic Preservation Officer

Archaeologist

627 Grandview Ave. * Pawhuska, OK 74056 www.osagenation-nsn.gov/who-we-are/historic-preservation * HistoricPreservation@osagenation-nsn.gov
U. S. Department of Homeland Security FEMA Region 6 800 North Loop 288 Denton, TX 76209-3698
FEDERAL EMERGENCY MANAGEMENT AGENCY REGION 6 MITIGATION DIVISION
RE: Millwood Lake MP and SMP Planner
NOTICE REVIEW/ENVIRONMENTAL CONSULTATION
We have no comments to offer. We offer the following comments: WE WOULD REQUEST THAT THE COMMUNITY FLOODPLAIN ADMINISTRATOR BE CONTACTED FOR THE REVIEW AND POSSIBLE PERMIT REQUIREMENTS FOR THIS PROJECT. IF FEDERALLY FUNDED, WE WOULD REQUEST PROJECT TO BE IN COMPLIANCE WITH E011988 & E0 11990.
Little Rock, AR Little River County, AR
REVIEWER: Floodplain Management and Insurance Branch Mitigation Division (940) 258-3794 DATE: 4/26/2022

Appendix F: Media Coverage



57



Little Rock District, U.S. Army Corps of Engineers

ASHDOWN, Ark. -- The U.S. Army Corps of Engineers, Millwood Lake Project Office is seeking public input on the draft Millwood Lake Master Plan, Shoreline Management Plan and associated Environmental Assessments.

The public comment period for the draft plans is open from Oct. 21 through Dec. 6. Comments can be mailed to the Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, by fax: 501-324-6230 or e-mailed to CESWL-

MillwoodLakeMPandSMPRevision@usace.army.mil. Comments must be received by December 6, 2021. For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit our website at https://go.usa.gov/x7WQv.

USACE will also host a public in-person workshop to explain the Draft MP, SMP and associated EAs.

The workshop is scheduled from 4 p.m. to 8 p.m. on Nov. 4 at the Central Baptist Church, Family Life Center, 271 W. Commerce St. Ashdown, Ark.

Those interested are encouraged to stop by during the scheduled times to visit with representatives from USACE. Representatives will be available to answer questions and maps will be shown to provide an overview of the revisions.

This will be the final public outreach engagement for the Millwood Lake Master Plan and Shoreline Management Plan revision process before the plan revisions are complete.

#Ircorps

Figure 4-13 Draft Release Facebook Notification, Oct 21, 2021

Facebook Post, October 21, 2021

Post Impressions: 7266 Reach: 7060 Engagement: 203 Reactions: 31 Comments: 2 Link clicks: 10 Shares:17 Other clicks: 121 <u>Negative Feedback</u> Hide Post: 2



Little Rock District, U.S. Army Corps of Engineers December 2 at 6:00 pm · 🚱

The U.S. Army Corps of Engineers is reminding those around Millwood Lake about the public comment period on the draft Millwood Lake Master Plan, Shoreline Management Plan and associated Environmental Assessments that ends Dec. 6.

Comments can be mailed to the Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, by fax: 501-324-6230 or e-mailed to CESWL-MillwoodLakeMPandSMPRevision@usace.army.mil by Dec. 6.

For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit https://go.usa.gov/x7WQv. #Ircorps

Figure 4-14 Draft Release Facebook Notification, Dec. 2, 2021

Facebook Post, December 2, 2021

Post Impressions: 189 Reach: 168 Engagement: 15 Reactions: 6 Comments: 0 Link clicks: 0 Shares: 1 Other clicks: 8 <u>Negative Feedback</u> Hide All Posts: 1



Little Rock District, U.S. Army Corps of Engineers April 5 · 🛞

The U.S. Army Corps of Engineers is reopening the public comment period on the draft Millwood Lake Master Plan, Shoreline Management Plan and associated Environmental Assessments between April 12 and May 11, 2022.

During the MP, SMP and EA planning process an incorrect email address was included on the comment documents. To give everyone that visits and lives around Millwood Lake an opportunity to comment on the updated documents USACE is reopening the comment period. If you have a comment on these draft documents or if you provided comments through e-mail during the previous comment period, please resubmit your comment to be considered.

Comments can be mailed to the Millwood Lake MP & SMP Planner, Natural Resources Management Section, USACE, Little Rock District, P.O. Box 867, Little Rock, AR 72203, by fax: 501-324-6230 or e-mailed to CESWL-MillwoodLakeMPandSMPRevision@usace.army.mil by May 11.

For an on-line fillable comment card and to learn more about the Millwood Lake Master Plan and Shoreline Management Plan revisions visit https://go.usa.gov/x7WQv

Figure 4-15 Draft Release Facebook Notification, April 5, 2022

Facebook: April 5

Post Impressions: 285 Reach: 263 Engagement: 17 Reactions: 4 Comments: 1 Link clicks: 0 Shares: 1 Other clicks: 10 <u>Negative Feedback</u> Hide All Posts: 0



Figure 4-16 Draft Release Twitter Notification, Oct 21, 2021

Twitter, October 21, 2021

Impressions: 333 Likes: 3 Retweet: 2 Comments: 1 Link clicks: 2 Profile clicks: 0 Detail expands: 0



Figure 4-17 Draft Release Twitter Notification, Dec. 21, 2021

Twitter, December 2, 2021

Impressions: 190 Likes: 2 Retweet: 1 Link clicks: 0 Profile clicks: 0 Detail expands: 0



Figure 4-18Draft Release Twitter Notification, April 6, 2022

Twitter: April 6

Impressions: 218 Engagement: 4 Detail expands: 0 Link clicks: 1 Likes: 1 Retweets: 0 Comments: 0 Appendix C Millwood Lake Master Plan Environmental Assessment Land Classification Maps



ee Man S





See Map Sheet 5









**













MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

ENVIRONMENTALLY SENSITIVE

OPEN RECREATION





MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification



PROJECT OPERATIONS

OPEN RECREATION





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



See Map Sheet N/A







See Map Sheet 16

ALTERNATIVE ONE MAXIMUM CONSERVATION

LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

HIGH DENSITY

- ENVIRONMENTALLY SENSITIVE
- OPEN RECREATION





MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

HIGH DENSITY

LOW DENSITY

ENVIRONMENTALLY SENSITIVE

OPEN RECREATION





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



ee Map Sheet 1:





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement
 Operation Easement
 Land Classification
 HIGH DENSITY
 ENVIRONMENTALLY SENSITIVE
 PROJECT OPERATIONS
 RESTRICTED
 OPEN RECREATION

Legend

Corps Operated Ramp

- ••••• Boat Lane —— Roads
- State Highway
- Rivers/Streams
- USACE Boundary



MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



ee Map Sheet 15







LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

HIGH DENSITY

LOW DENSITY

ENVIRONMENTALLY SENSITIVE

PROJECT OPERATIONS

OPEN RECREATION





MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

- HIGH DENSITY
- LOW DENSITY
- ENVIRONMENTALLY SENSITIVE
- PROJECT OPERATIONS
- **ZZZ** RESTRICTED
- OPEN RECREATION

Legend

County Operated Ramp

Boat Lane
 Proposed Boat Lane
 Roads
 State Highway
 Rivers/Streams
 Natural Area
 USACE Boundary



MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



See Map Sheet 19



LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Operation Easement

Land Classification

HIGH DENSITY

LOW DENSITY

WILDLIFE MANAGEMENT

ENVIRONMENTALLY SENSITIVE

PROJECT OPERATIONS

OPEN RECREATION

Legend

Corps Operated Ramp
 Boat Lane
 Roads
 State Highway
 Rivers/Streams
 USACE Boundary



MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



See Map Sheet N/A



LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

HIGH DENSITY

WILDLIFE MANAGEMENT

VEGETATIVE MANAGEMENT

ENVIRONMENTALLY SENSITIVE

ROJECT OPERATIONS

- **ZZZ** RESTRICTED
- OPEN RECREATION





MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

HIGH DENSITY
WILDLIFE MANAGEMENT
ENVIRONMENTALLY SENSITIVE

PROJECT OPERATIONS

ZZZ RESTRICTED

OPEN RECREATION

Legend

Ø	Corps Operated Ramp
	Roads
-	State Highway
	Rivers/Streams
	Wildlife Management Area
	USACE Boundary



MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



See Map Sheet 22











See Map Sheet N/A

ALTERNATIVE ONE MAXIMUM CONSERVATION

LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

PROJECT OPERATIONS





MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



see Map Sheet N/A




























LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

ENVIRONMENTALLY SENSITIVE

OPEN RECREATION





MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

WILDLIFE MANAGEMENT

ENVIRONMENTALLY SENSITIVE

PROJECT OPERATIONS

OPEN RECREATION





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



see Map Sheet N/A







See Map Sheet 16

ALTERNATIVE TWO MODERATE CONSERVATION (PREFERRED)







MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

HIGH DENSITY

LOW DENSITY

WILDLIFE MANAGEMENT

ENVIRONMENTALLY SENSITIVE

OPEN RECREATION





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



se Map Sheet 13







LAND CLASSIFICATION AND EASEMENTS

Operation Easement

Land Classification

HIGH DENSITY WILDLIFE MANAGEMENT ENVIRONMENTALLY SENSITIVE PROJECT OPERATIONS RESTRICTED

OPEN RECREATION

Legend





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017





See Map Sheet N/A







LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

HIGH DENSITY

LOW DENSITY

WILDLIFE MANAGEMENT

ENVIRONMENTALLY SENSITIVE

PROJECT OPERATIONS

OPEN RECREATION





MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

HIGH DENSITY

LOW DENSITY

ENVIRONMENTALLY SENSITIVE

PROJECT OPERATIONS

RESTRICTED

OPEN RECREATION

Legend

County Operated Ramp
••••• Boat Lane
Proposed Boat Lane
Roads
State Highway
Rivers/Streams
Natural Area
USACE Boundary



MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017





LAND CLASSIFICATION AND EASEMENTS

Operation Easement
Flowage Easement
Land Classification
HIGH DENSITY
LOW DENSITY
WILDLIFE MANAGEMENT

ENVIRONMENTALLY SENSITIVE

- PROJECT OPERATIONS
- OPEN RECREATION

Legend





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



See Map Sheet N/A



LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification HIGH DENSITY

WILDLIFE MANAGEMENT

- VEGETATIVE MANAGEMENT
- ENVIRONMENTALLY SENSITIVE
- PROJECT OPERATIONS
- RESTRICTED
- OPEN RECREATION

Legend State Operated Ramp ----- Roads ----- State Highway ----- Rivers/Streams USACE Boundary



MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

HIGH DENSITY

ENVIRONMENTALLY SENSITIVE

PROJECT OPERATIONS

RESTRICTED

OPEN RECREATION

Legend





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017











See Map Sheet N/A

ALTERNATIVE TWO MODERATE CONSERVATION (PREFERRED)

LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

PROJECT OPERATIONS





MASTER PLAN MILLWOOD LAKE









ee Map Sheet N/A











ALTERNATIVE THREE NO ACTION (1975 PLAN)

LAND CLASSIFICATION AND EASEMENTS

Flowage Easement





MASTER PLAN MILLWOOD LAKE





ALTERNATIVE THREE NO ACTION (1975 PLAN)

LAND CLASSIFICATION AND EASEMENTS

Flowage Easement





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



See Map Sheet N/A









ALTERNATIVE THREE NO ACTION (1975 PLAN)

LAND CLASSIFICATION AND EASEMENTS

Flowage Easement





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



ee Map Sheet N/A







LAND CLASSIFICATION AND EASEMENTS

Land Classification

WILDLIFE MANAGEMENT

ENVIRONMENTALLY SENSITIVE

NO ALLOCATION

OPEN RECREATION

Flowage Easement





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



ee Map Sheet N/A




LAND CLASSIFICATION AND EASEMENTS

Land Classification

HIGH DENSITY WILDLIFE MANAGEMENT NO ALLOCATION OPEN RECREATION Flowage Easement





MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Land Classification

HIGH DENSITY WILDLIFE MANAGEMENT OPEN RECREATION Flowage Easement





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017





LAND CLASSIFICATION AND EASEMENTS

Land Classification

HIGH DENSITY

WILDLIFE MANAGEMENT

ENVIRONMENTALLY SENSITIVE

NO ALLOCATION

OPEN RECREATION

Flowage Easement

Legend

Corps Operated Ramp

- ••••• Boat Lane USACE Boundary ----- Roads State Highway - Rivers/Streams
- Natural Area



MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Land Classification



Legend

Corps Operated Ramp Boat Lane USACE Boundary Roads State Highway Rivers/Streams



MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017









See Map Sheet N/A

ALTERNATIVE THREE NO ACTION (1975 PLAN)

LAND CLASSIFICATION AND EASEMENTS

Land Classification

HIGH DENSITY WILDLIFE MANAGEMENT ENVIRONMENTALLY SENSITIVE NO ALLOCATION OPEN RECREATION Flowage Easement





MASTER PLAN MILLWOOD LAKE







LAND CLASSIFICATION AND EASEMENTS

Land Classification

- HIGH DENSITY
- WILDLIFE MANAGEMENT
- ENVIRONMENTALLY SENSITIVE
- **ZZZ** RESTRICTED
- OPEN RECREATION
- Flowage Easement

Legend

Ø	County Operated Ramp
	Boat Lane
	Proposed Boat Lane
—	Roads
-	State Highway
_	Rivers/Streams
3	Natural Area



MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017





LAND CLASSIFICATION AND EASEMENTS



- HIGH DENSITY
- ENVIRONMENTALLY SENSITIVE
- NO ALLOCATION
- ROJECT OPERATIONS
- OPEN RECREATION
- Operation Easement
- Flowage Easement

Legend





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



See Map Sheet N/A



LAND CLASSIFICATION AND EASEMENTS



- HIGH DENSITY
- ENVIRONMENTALLY SENSITIVE
- NO ALLOCATION
- PROJECT OPERATIONS
- **RESTRICTED**
- OPEN RECREATION
- Flowage Easement





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017





LAND CLASSIFICATION AND EASEMENTS



HIGH DENSITY

ENVIRONMENTALLY SENSITIVE

NO ALLOCATION

PROJECT OPERATIONS

W RESTRICTED

OPEN RECREATION

Flowage Easement







MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017









LAND CLASSIFICATION AND EASEMENTS

Land Classification

NO ALLOCATION

Flowage Easement





MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



ee Map Sheet N//





ee Man S













MASTER PLAN MILLWOOD LAKE













US ARMY CORPS OF ENGINEERS Little Rock District Millwood Lake

w 🏵

H.





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



see Map Sheet N



LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

ENVIRONMENTALLY SENSITIVE

OPEN RECREATION





MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

WILDLIFE MANAGEMENT

ENVIRONMENTALLY SENSITIVE

PROJECT OPERATIONS

OPEN RECREATION





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



see Map Sheet N/A







State Highway
Rivers/Streams
National Wildlife Refuge



MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

HIGH DENSITY

LOW DENSITY

WILDLIFE MANAGEMENT

OPEN RECREATION





MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

- HIGH DENSITY
- LOW DENSITY
 - WILDLIFE MANAGEMENT
- ENVIRONMENTALLY SENSITIVE
- OPEN RECREATION





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



te Map Sheet 13







Operation Easement

Flowage Easement

Land Classification

HIGH DENSITY

LOW DENSITY

WILDLIFE MANAGEMENT

- ENVIRONMENTALLY SENSITIVE
- PROJECT OPERATIONS
- RESTRICTED
- OPEN RECREATION

Legend





MASTER PLAN MILLWOOD LAKE











LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

- HIGH DENSITY
- LOW DENSITY
- WILDLIFE MANAGEMENT
- ENVIRONMENTALLY SENSITIVE
- PROJECT OPERATIONS
- OPEN RECREATION

Legend County Operated Ramp Proposed Boat Lane Roads Rivers/Streams Natural Area USACE Boundary



MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017





LAND CLASSIFICATION AND EASEMENTS

- Flowage Easement
- Land Classification
- HIGH DENSITY
 - LOW DENSITY
- WILDLIFE MANAGEMENT
- ENVIRONMENTALLY SENSITIVE
- PROJECT OPERATIONS
- **KESTRICTED**
- OPEN RECREATION

Legend

County Operated Ramp Boat Lane Proposed Boat Lane Roads State Highway Rivers/Streams Natural Area USACE Boundary



MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017





- Operation Easement
- Land Classification
- HIGH DENSITY
- LOW DENSITY
- WILDLIFE MANAGEMENT
- ENVIRONMENTALLY SENSITIVE
- PROJECT OPERATIONS
- OPEN RECREATION

Legend

- Corps Operated Ramp
- ••••• Boat Lane —— Roads
- State Highway
- Rivers/Streams
- USACE Boundary



MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



See Map Sheet N//


ALTERNATIVE FOUR MINIMUM CONSERVATION

LAND CLASSIFICATION AND EASEMENTS

- Flowage Easement
- Land Classification HIGH DENSITY WILDLIFE MANAGEMENT VEGETATIVE MANAGEMENT ENVIRONMENTALLY SENSITIVE **PROJECT OPERATIONS**
- **KESTRICTED**
- OPEN RECREATION





MASTER PLAN MILLWOOD LAKE





ALTERNATIVE FOUR MINIMUM CONSERVATION

LAND CLASSIFICATION AND EASEMENTS



Legend

Corps Operated Ramp
Roads
State Highway
Rivers/Streams
Wildlife Management Area
USACE Boundary



MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



See Map Sheet 22











See Map Sheet N/A

ALTERNATIVE FOUR MINIMUM CONSERVATION

LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

PROJECT OPERATIONS





MASTER PLAN MILLWOOD LAKE













See Map Sheet 5









MILLWOOD LAKE Imagery Date: 2017

0 0.5 1 US ARMY CORPS OF ENGINEERS Little Rock District WW S S E













See Map Sheet N/A

















Imagery Date: 2017



ee Map Sheet N



















Imagery Date: 2017



ee Map Sheet N//











See Map Sheet 16



Legend
Corps Operated Ramp
County Operated Ramp
Roads
State Highway
US Highway
Rivers/Streams
National Wildlife Refuge
USACE Boundary















Imagery Date: 2017



e Map Sheet 13







LAND CLASSIFICATION AND EASEMENTS



Legend

Corps Operated Ramp

- ----- Boat Lane ----- Roads
- ----- State Highway
- Rivers/Streams
- USACE Boundary



MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



see Map Sheet 15



See Map Sheet N/A



MASTER PLAN MILLWOOD LAKE







LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

HIGH DENSITY

LOW DENSITY

WILDLIFE MANAGEMENT

ENVIRONMENTALLY SENSITIVE

PROJECT OPERATIONS

OPEN RECREATION

	Legend
	County Operated Ramp
-	Proposed Boat Lane
	Roads
	Rivers/Streams
1	Natural Area
	USACE Boundary



MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



se Map Sheet 18



LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

HIGH DENSITY

LOW DENSITY

WILDLIFE MANAGEMENT

ENVIRONMENTALLY SENSITIVE

PROJECT OPERATIONS

ZZZ RESTRICTED

OPEN RECREATION

Legend

County Operated Ramp

- •••••• Boat Lane —— Proposed Boat Lane
- ----- Roads
- State Highway
- Rivers/Streams
- Natural Area
- USACE Boundary



MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



See Map Sheet 19



LAND CLASSIFICATION AND EASEMENTS

- Operation Easement
- Flowage Easement
- Land Classification
- HIGH DENSITY
 - LOW DENSITY
 - WILDLIFE MANAGEMENT
- ENVIRONMENTALLY SENSITIVE
- PROJECT OPERATIONS
- OPEN RECREATION





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



See Map Sheet N/A



LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

HIGH DENSITY

WILDLIFE MANAGEMENT

VEGETATIVE MANAGEMENT

ENVIRONMENTALLY SENSITIVE

PROJECT OPERATIONS

KESTRICTED

OPEN RECREATION





MASTER PLAN MILLWOOD LAKE





LAND CLASSIFICATION AND EASEMENTS

Flowage Easement

Land Classification

HIGH DENSITY

WILDLIFE MANAGEMENT

ENVIRONMENTALLY SENSITIVE

PROJECT OPERATIONS

ZZZ RESTRICTED

OPEN RECREATION





MASTER PLAN MILLWOOD LAKE

Imagery Date: 2017



See Map Sheet 22











