

APPENDIX F-3: RECREATION

APPENDIX F-3

Recreation

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Table F-3.1. Federal and State Recreation Resources within the Study Area

- Recreation resources within the study area is not limited to this list.
- Each recreation area lists a managing agency. The managing agencies are classified as Federal or State. Of the 14 unique recreation areas listed which are accessible to the public, 29% are Federally-managed and 71% are State-managed.
- At least 36% of these areas provide 1 or more boat-launch access points.
- 31.9% of these areas offer consumptive recreation opportunities while 100% offer non-consumptive opportunities. These non-consumptive recreation opportunities include, but are not limited to trails, hiking, camping, wildlife observation, nature photography, boating, and environmental education.
- The source of the information below can be found at the websites for each managing agency listed where applicable. An inventory was collected during July 2020 through GIS reference, website reference, and aerial imagery. The inventory is an accurate representation of recreation resources available at the time. Recreation resources within the study area is not limited to this list.

State	County	Name of Public Area	Size (acres)	Managing Agency	Consumptive Recreation	Non - consumptive Recreation	Boat Launch	Notes
National Wildlife Refuge (NWR)								
MS	Sharkey, Humphreys Yazoo, Washington	Theodore Roosevelt NWR	6,000	U.S. Fish & Wildlife Service (USFWS)	No	No	No	Closed to the public yet involved in active land acquisition and will someday offer educational and interpretive information
MS	Yazoo	Panther Swamp NWR	40,000	U.S. Fish & Wildlife Service (USFWS)	Fishing and Hunting	Hiking, Wildlife Observation, Photography, Boating, Environmental Education	Yes	Largest of the seven refuges that make up the Theodore Roosevelt NWR Complex

State	County	Name of Public Area	Size (acres)	Managing Agency	Consumptive Recreation	Non - consumptive Recreation	Boat Launch	Notes
MS	Washington	Yazoo NWR	13,036	U.S. Fish & Wildlife Service (USFWS)	Fishing and Hunting	Hiking, Wildlife Observation, Photography, Environmental Education	No	Managed as part of the Theodore Roosevelt NWR Complex
MS	Washington	Holt Collier NWR	2,200	U.S. Fish & Wildlife Service (USFWS)	Fishing and Hunting	Hiking, Wildlife Observation, Photography, Environmental Education	No	Managed as part of the Theodore Roosevelt NWR Complex. Much of the property was agricultural land and reforested when it was acquired by USFWS.
National Forest								
MS	Sharkey and Issaquena	Delta National Forest	60,000	U.S. Forest Service (USFS)	Fishing and Hunting	Primitive Camping, Wildlife Observation, Multi-use Trails, Photography, Outdoor Education, Boating	Yes	Blue Lake Recreation Area, Little Sunflower River Recreation Area, primitive camping and multiple use trails compose the recreation program at Delta National Forest. Areas of Delta are co-managed by Sunflower WMA and MDWFP. Susceptible to backwater flooding.
Wildlife Management Area (WMA)								

MS	Issaquena	Howard Miller WMA	2,344	Mississippi Department of Wildlife, Fisheries, & Parks (MDWFP)	Waterfowl Hunting	Wildlife Observation	No	Is a former agricultural field tract that is managed for quality waterfowl hunting. 420 acres is permanent wildlife sanctuary. Susceptible to backwater flooding
State	County	Name of Public Area	Size (acres)	Managing Agency	Consumptive Recreation	Non - consumptive Recreation	Boat Launch	Notes
MS	Yazoo	Lake George WMA	8,383	Mississippi Department of Wildlife, Fisheries, & Parks (MDWFP)	Hunting	Wildlife Observation	Yes	Is a tract of regenerated bottomland hardwood forest owned by USACE. Deer and small game hunting is outstanding and waterfowl opportunities exist when flood water is retained. Susceptible to backwater flooding.
MS	Washington	Leroy Percy WMA	1,642	Mississippi Department of Wildlife, Fisheries, & Parks (MDWFP)	Fishing and Hunting	Hiking, Wildlife Observation	No	One of two WMAs in Mississippi located on a State Park. Small game and archery only for deer hunting. WMA is not commonly susceptible to backwater flooding.
MS	Warren and Issaquena	Mahannah WMA	12,695	Mississippi Department of Wildlife, Fisheries, & Parks (MDWFP)	Fishing and Hunting	Camping, Hiking, Wildlife Observation	No	Is bottomland hardwoods, agriculture fields, hardwood reforestation, and waterfowl impoundments. 1,486 acres are open agriculture fields managed explicitly for waterfowl. Susceptible to backwater flooding.

MS	Washington	Muscadine Farms WMA	3,013	Mississippi Department of Wildlife, Fisheries, & Parks (MDWFP)	Waterfowl and small game Hunting	Wildlife Observation	No	1,400 acres of retired catfish ponds managed for moist-soil waterfowl habitat. 1,400 acres of replanted trees open for small game hunting.
State	County	Name of Public Area	Size (acres)	Managing Agency	Consumptive Recreation	Non - consumptive Recreation	Boat Launch	Notes
MS	Warren and Issaquena	Phil Bryant WMA	18,000	Mississippi Department of Wildlife, Fisheries, & Parks (MDWFP)	Fishing and Hunting	Hiking, Wildlife Observation, Canoeing, Nature Photography, Camping	No	Formerly known as Steele Bayou WMA and is broken into 4 hunting units. Susceptible to backwater flooding.
MS	Issaquena	Shipland WMA	3,642	Mississippi Department of Wildlife, Fisheries, & Parks (MDWFP)	Fishing and Hunting	Primitive Camping, Wildlife Observation	No	One of two WMAs in the Mississippi batture lands and susceptible to extensive flooding. Deer hunting is popular followed by small game and waterfowl.
MS	Sharkey	Sunflower WMA	60,000	Mississippi Department of Wildlife, Fisheries, & Parks (MDWFP)	Fishing and Hunting	Camping, Hiking, Wildlife Observation	Yes	Is bottomland hardwood forest with stands of various ages located in Delta National Forest. 5,200 acres of managed water retention for better hunting habitat and hunting opportunities in addition to Greentree reservoirs. Susceptible to backwater flooding.

MS	Sharkey	Twin Oaks WMA	5,847	Mississippi Department of Wildlife, Fisheries, & Parks (MDWFP)	Hunting	Camping, Hiking, Wildlife Observation	No	5,383 acres bottomland hardwoods managed for hunting, Greentree reservoirs encompass 500 acres and are purposely flooded for wintering waterfowl habitat. Susceptible to backwater flooding.
State	County	Name of Public Area	Size (acres)	Managing Agency	Consumptive Recreation	Non - consumptive Recreation	Boat Launch	Notes
State Parks								
MS	Washington	Leroy Percy State Park	2,270	Mississippi Department of Wildlife, Fisheries, & Parks (MDWFP)	Fishing	Hiking, Wildlife Observation, Canoeing, Nature Photography, Camping, Disc Golf, Picnic Area, Playground, Nature Trail	Yes	Park is not commonly susceptible to backwater flooding. Hunting is allowed within featured WMA only.

USFWS data source: <https://www.fws.gov/refuges/?ref=topbar>

USFS data source: www.fs.usda.gov/

MDWFP data source: <http://www.mdwfp.com/>

Table F-3.2. Land & Water Conservation Fund

According to the United States Department of the Interior, National Park Service Land & Water Conservation Fund (LWCF), Federal funding has supported 3 unique areas within the 7 counties and parishes that comprise the study area between 1965 and 2011.

Federally-Managed Recreation Projects Between 1965 – 2011

Name	Agency	State
Vicksburg National Military Park	NPS	Mississippi
Delta National Forest	USFS	Mississippi
Panther National Wildlife Refuge	USFWS	Mississippi

Source: <https://www.lwcfcoalition.com/map-of-lwcf>

Table F-3.3. Land & Water Conservation Fund

According to the United States Department of the Interior, National Park Service Land & Water Conservation Fund (LWCF), nearly \$30 million in funding has supported 33 public recreation projects within the 7 counties and parishes that comprise the study area between 1965 and 2011.

State & Local Recreation Projects Between 1965 – 2011

State	County	Grant ID Element	Grant Element Title	Grant Sponsor	Fiscal Year	Amount
Louisiana	Madison	760	Wright Elementary Ballfield	Madison Parish School Board	1990	\$15,328.50

Louisiana	Madison	760	Tallulah Park	Town of Tallulah	1990	\$9,766.19
Mississippi	Humphreys	393	Humphreys County Park	Humphreys County	1986	\$25,150.00
Mississippi	Issaquena	490	Issaquena County Park	Issaquena County Board Of Supervisor	1991	\$24,906.70
State	County	Grant ID Element	Grant Element Title	Grant Sponsor	Fiscal Year	Amount
Mississippi	Sharkey	252	Rolling Fork City Park	Town Of Rolling Fork	1977	\$61,900.69
Mississippi	Sharkey	87	Rolling Fork Recreational Parks	Town Of Rolling Fork	1971	\$43,734.75
Mississippi	Warren	201	Vicksburg - Hall's Ferry Park	City Of Vicksburg	1975	\$200,000.00
Mississippi	Warren	361	Kings Ballfield	Warren County	1984	\$40,000.00
Mississippi	Warren	476	Vicksburg-Halls Ferry Phase Iii	City Of Vicksburg	1990	\$20,000.00
Mississippi	Warren	624	Hall's Ferry Park-Tennis Court Expansion Project	City Of Vicksburg	2014	\$100,000.00
Mississippi	Warren	295	Vicksburg - Cedar Grove Park	City Of Vicksburg	1979	\$100,000.01
Mississippi	Warren	592	Vicksburg Art Park	City Of Vicksburg	2004	\$150,000.00
Mississippi	Warren	258	Warren County Recreation Complex	Warren County	1978	\$317,595.32
Mississippi	Warren	371	Vicksburg Hall Ferry Phase Ii	City Of Vicksburg	1984	\$50,000.00
Mississippi	Warren	527	Vicksburg Community Park	City Of Vicksburg	1995	\$30,000.00
Mississippi	Warren	600	Vicksburg River Front Park	City Of Vicksburg	2006	\$150,000.00

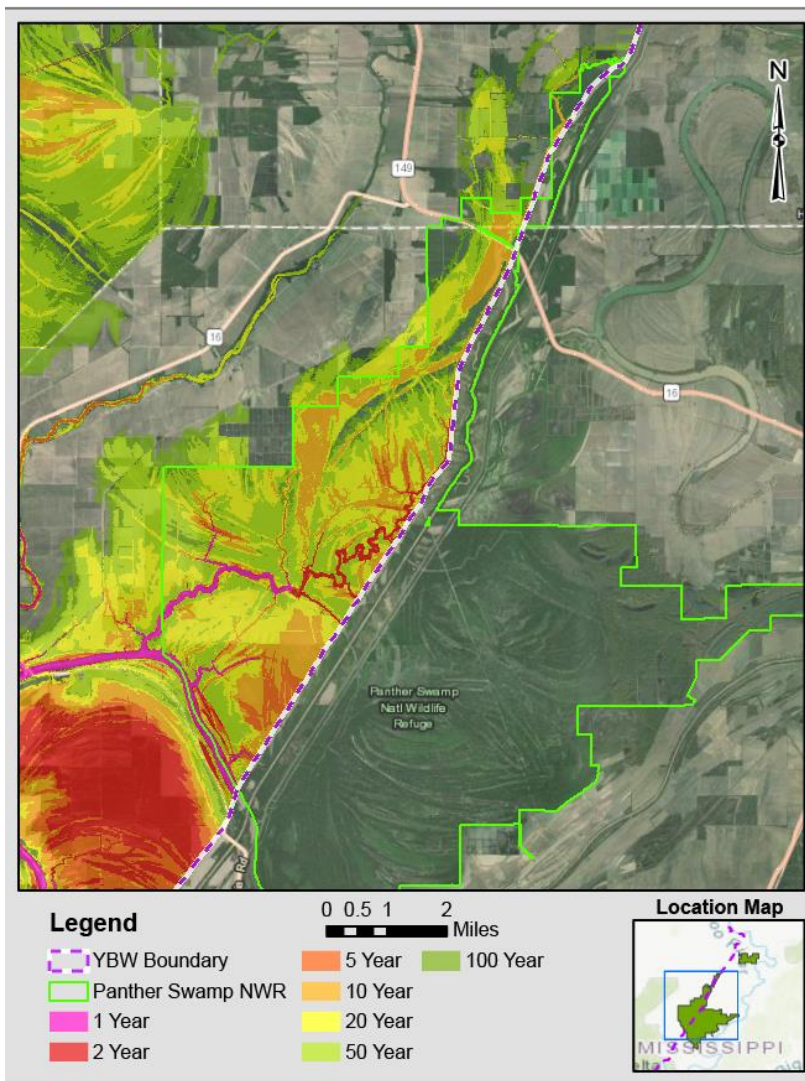
Mississippi	Washington	42	Leroy Percy Camping Project	Dept. Of Wildlife, Fish. & Parks	1969	\$18,889.67
Mississippi	Washington	357	Greenville Parks Improvement	City Of Greenville	1984	\$20,000.00
Mississippi	Washington	65	Paul Love, Jr. Rec. Area	Washington County	1970	\$29,581.50
State	County	Grant ID Element	Grant Element Title	Grant Sponsor	Fiscal Year	Amount
Mississippi	Washington	121	Hollandale Park Project	City Of Hollandale	1972	\$38,143.70
Mississippi	Washington	305	Greenville Exercise Trails	City Of Greenville	1980	\$15,000.00
Mississippi	Washington	392	Leroy Percy State Park-Cabin	Dept. Of Wildlife, Fish. & Parks	1986	\$34,999.99
Mississippi	Washington	398	Washington County Park	Washington County	1986	\$50,000.00
Mississippi	Washington	2	Winterville Mound Project	Dept. Of Wildlife, Fish. & Parks	1966	\$42,795.21
Mississippi	Washington	57	Deerfield Park	Washington County	1970	\$43,131.30
Mississippi	Washington	89	Greenville Municipal Golf Course	City Of Greenville	1971	\$46,349.00
Mississippi	Washington	394	Leland City Park	City Of Leland	1986	\$25,000.00
Mississippi	Washington	423	Greenville Park Additions	City Of Greenville	1986	\$9,640.76
Mississippi	Washington	74	Deer Creek Recreation Park	Washington County	1971	\$34,428.50
Mississippi	Washington	99	Leroy Percy Road Project	Dept. Of Wildlife, Fish. & Parks	1972	\$7,003.00
Mississippi	Washington	238	Greenville Swimming Pools	City Of Greenville	1977	\$244,150.00

Mississippi	Yazoo	245	Yazoo City Urban Parks	City Of Yazoo	1977	\$182,999.97
Mississippi	Yazoo	169	Yazoo City Recreation Park	City Of Yazoo	1974	\$32,950.00

Source: <https://www.lwcfcoalition.com/map-of-lwcf>

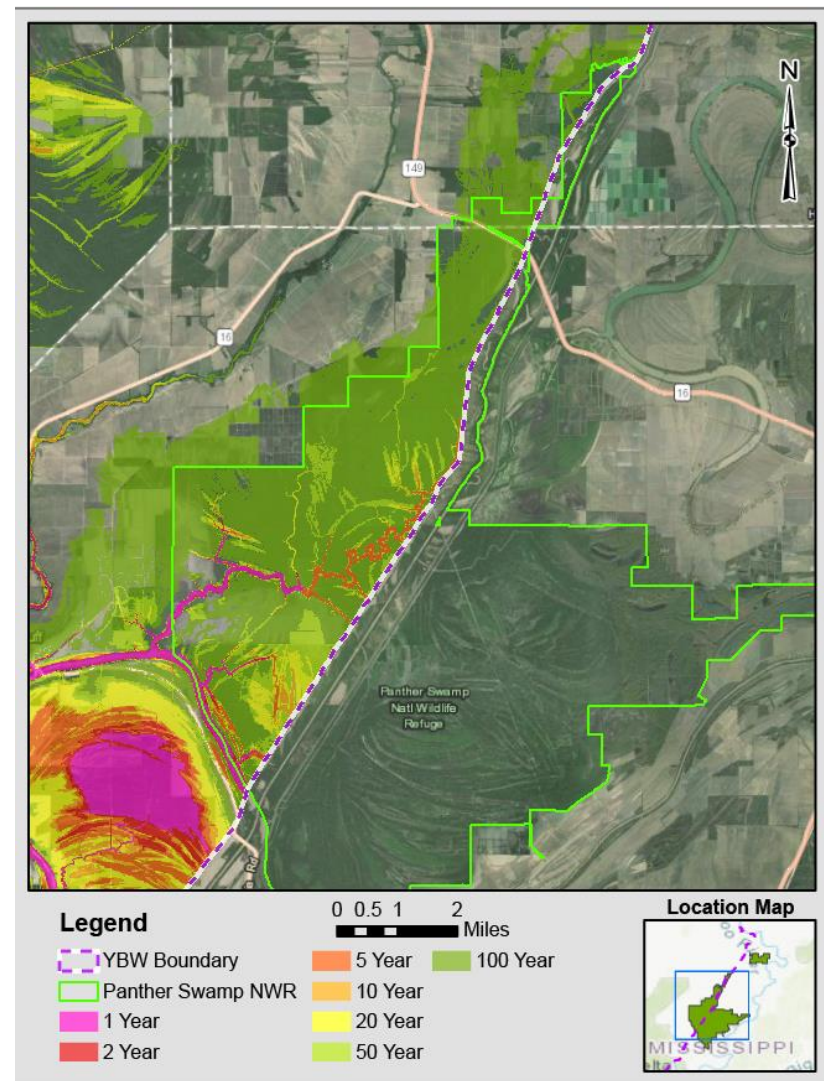
Figures (on the following Pages)

Figure F-3.4. Panther Swamp NWR



Panther Swamp NWR: No Action Alternative

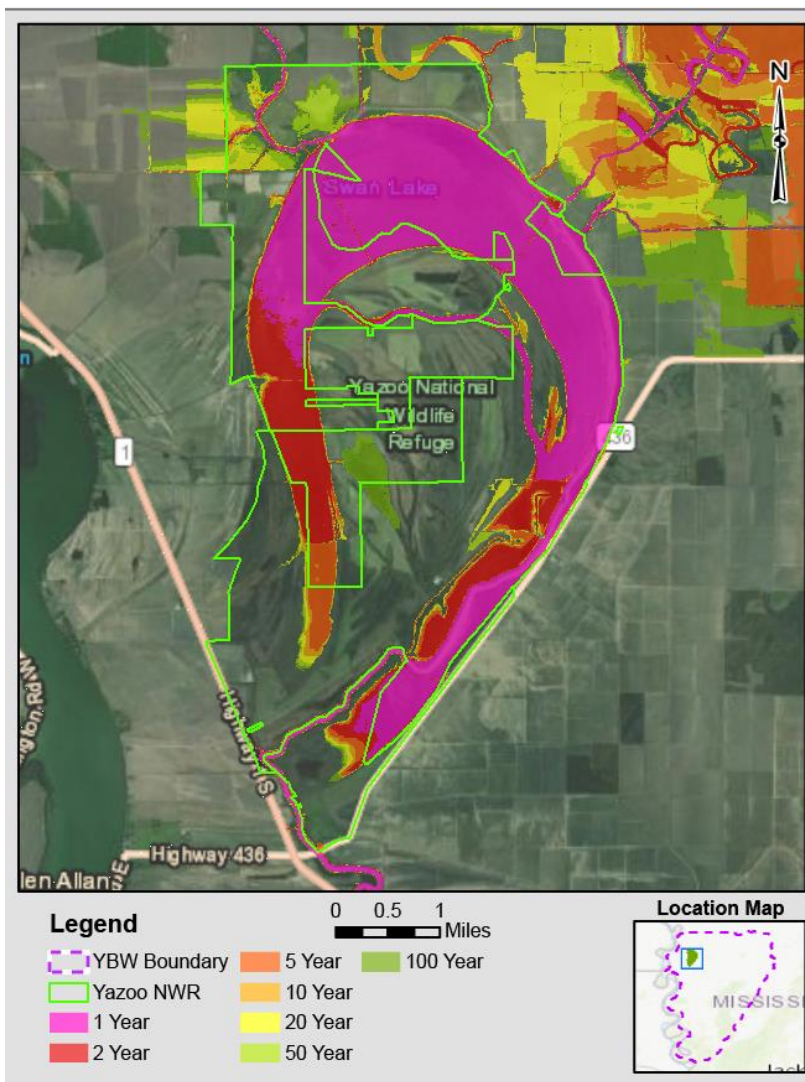
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	342.25	348.60	674.81	2,912.23	4,322.13	3,719.33	623.65
Cum.Acres	342.25	690.85	1,365.66	4,277.89	8,600.02	12,319.35	12,943.00



Panther Swamp NWR: Proposed Plan

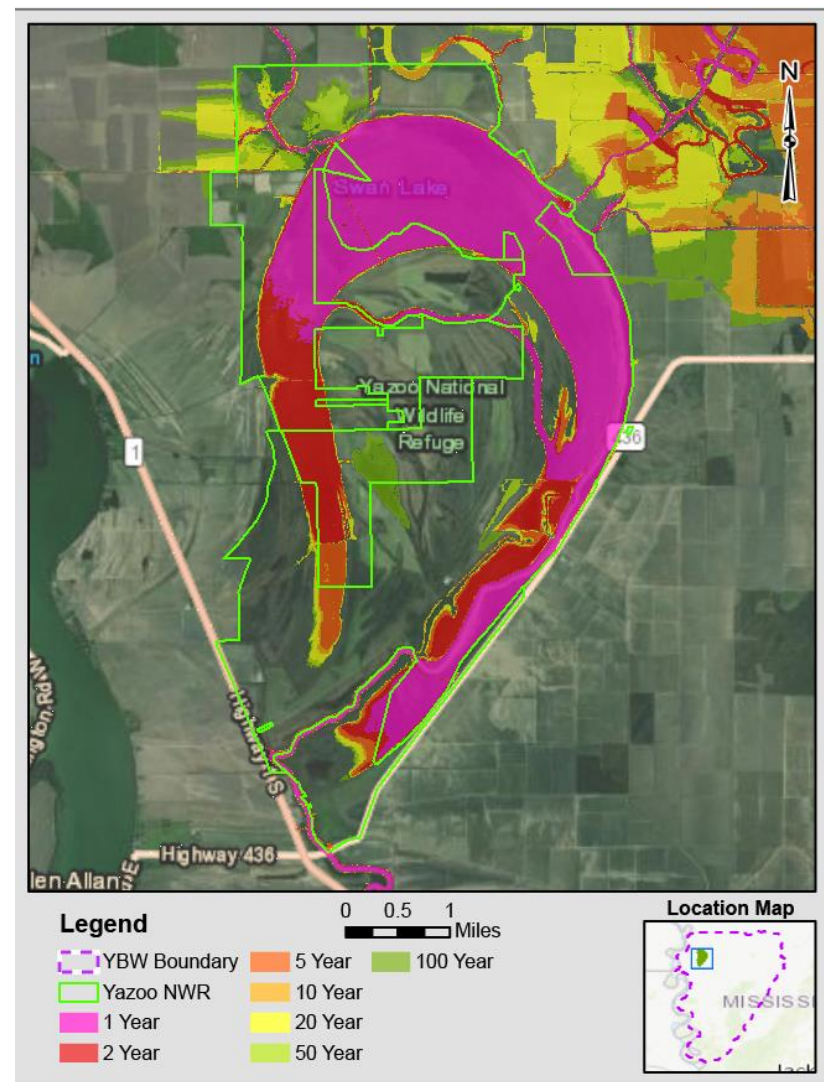
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	331.61	38.80	397.35	209.73	556.12	1,580.93	9,729.09
Cum.Acres	331.61	370.41	767.76	977.49	1,533.61	3,114.54	12,843.63

Figure F-3.5. Yazoo NWR



Yazoo NWR: No Action Alternative

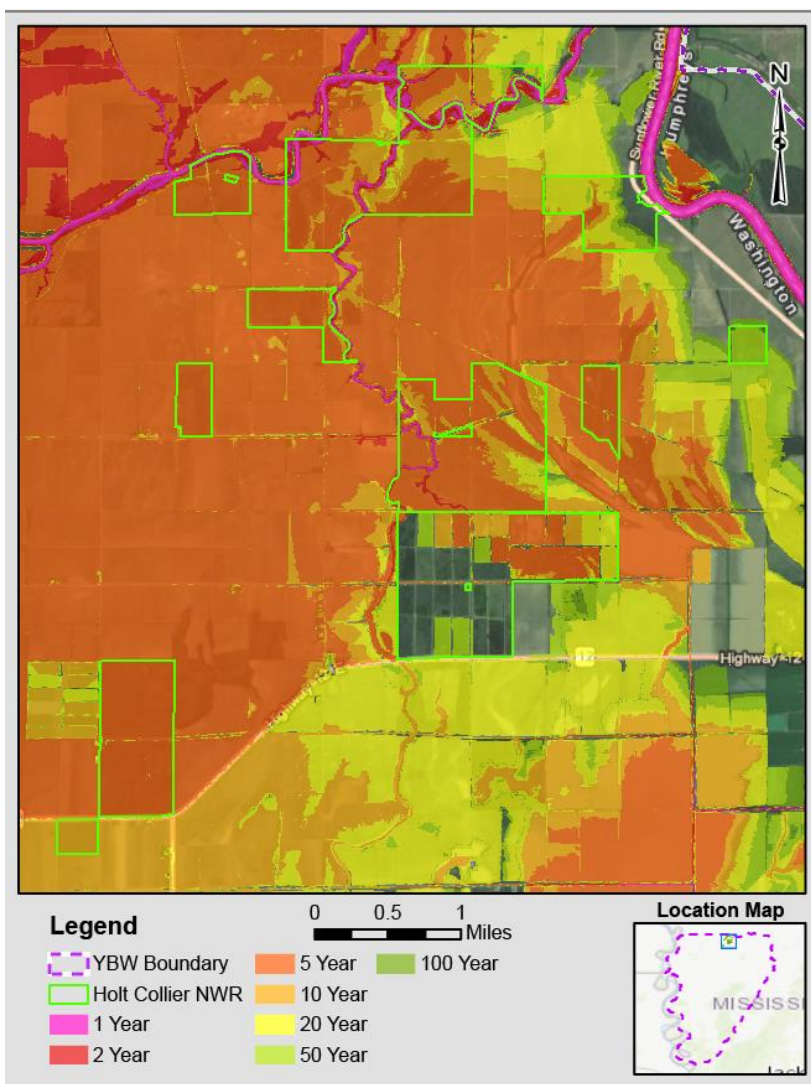
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	3,809.47	1,023.90	406.34	176.11	216.91	222.05	287.70
Cum.Acres	3,809.47	4,833.37	5,239.71	5,415.82	5,632.73	5,854.78	6,142.48



Yazoo NWR: Proposed Plan

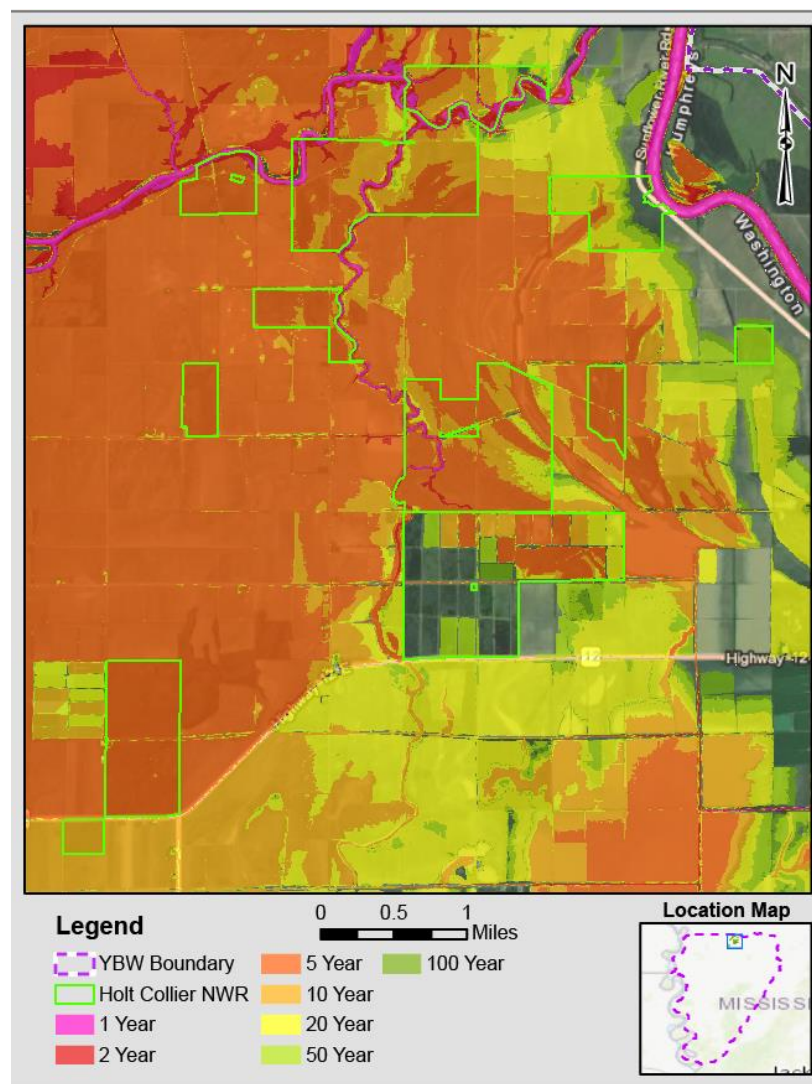
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	3,738.21	1,083.10	396.42	73.26	297.29	217.06	291.24
Cum.Acres	3,738.21	4,821.31	5,217.73	5,290.99	5,588.28	5,805.34	6,096.58

Figure F-3.6. Holt Collier NWR



Holt Collier NWR: No Action Alternative

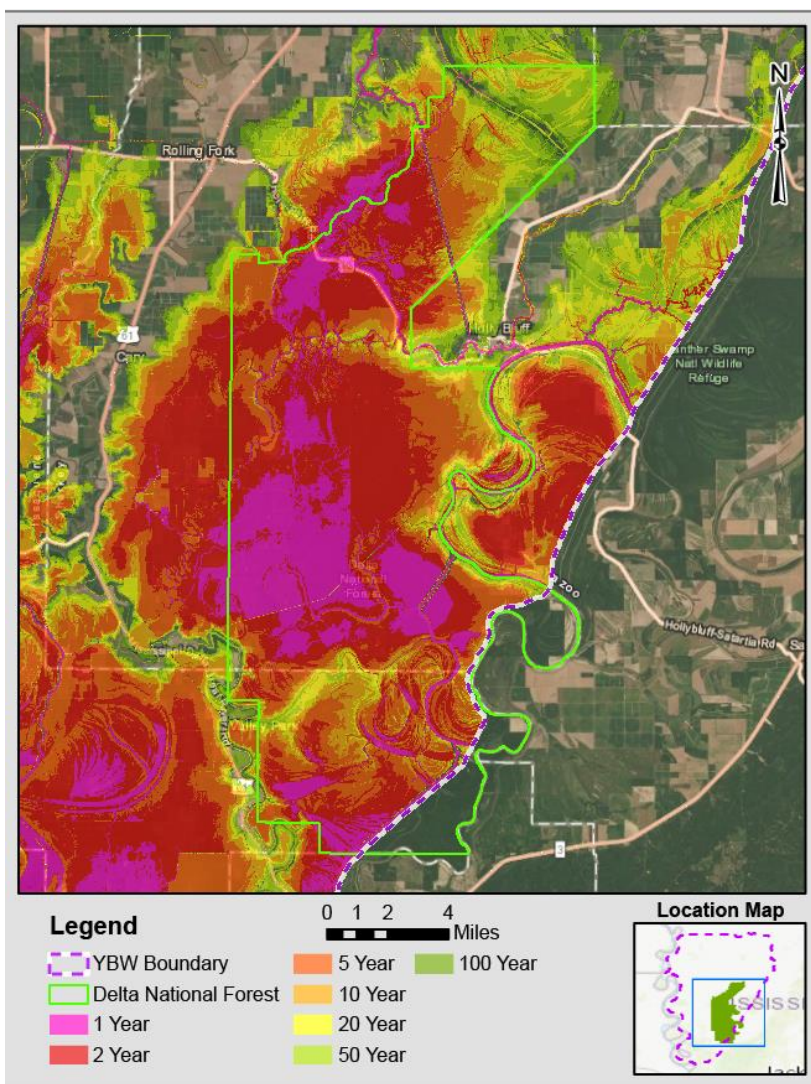
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	81.80	64.13	1,583.38	464.64	225.13	157.80	20.92
Cum.Acres	81.80	145.93	1,729.31	2,193.95	2,419.08	2,576.88	2,597.80



Holt Collier NWR: Proposed Plan

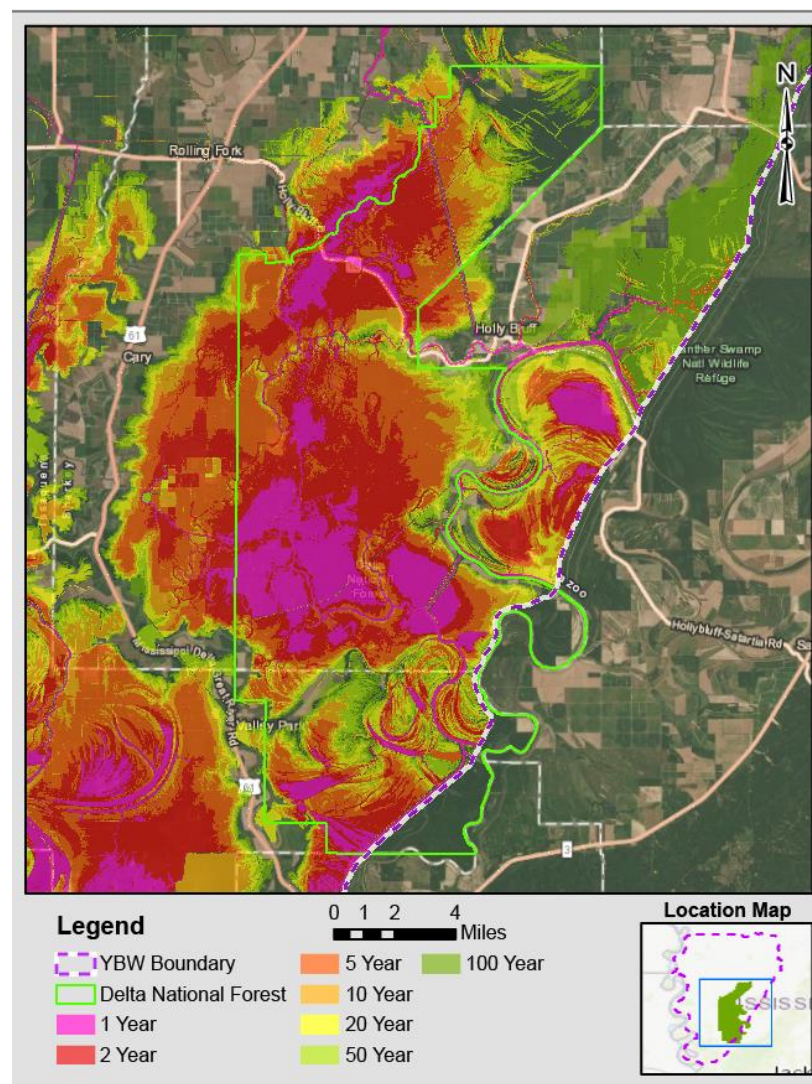
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	80.06	62.03	1,477.84	535.66	256.90	166.18	37.45
Cum.Acres	80.06	142.09	1,619.93	2,155.59	2,412.49	2,578.67	2,616.12

Figure F-3.7. Delta National Forest



Delta National Forest: No Action Alternative

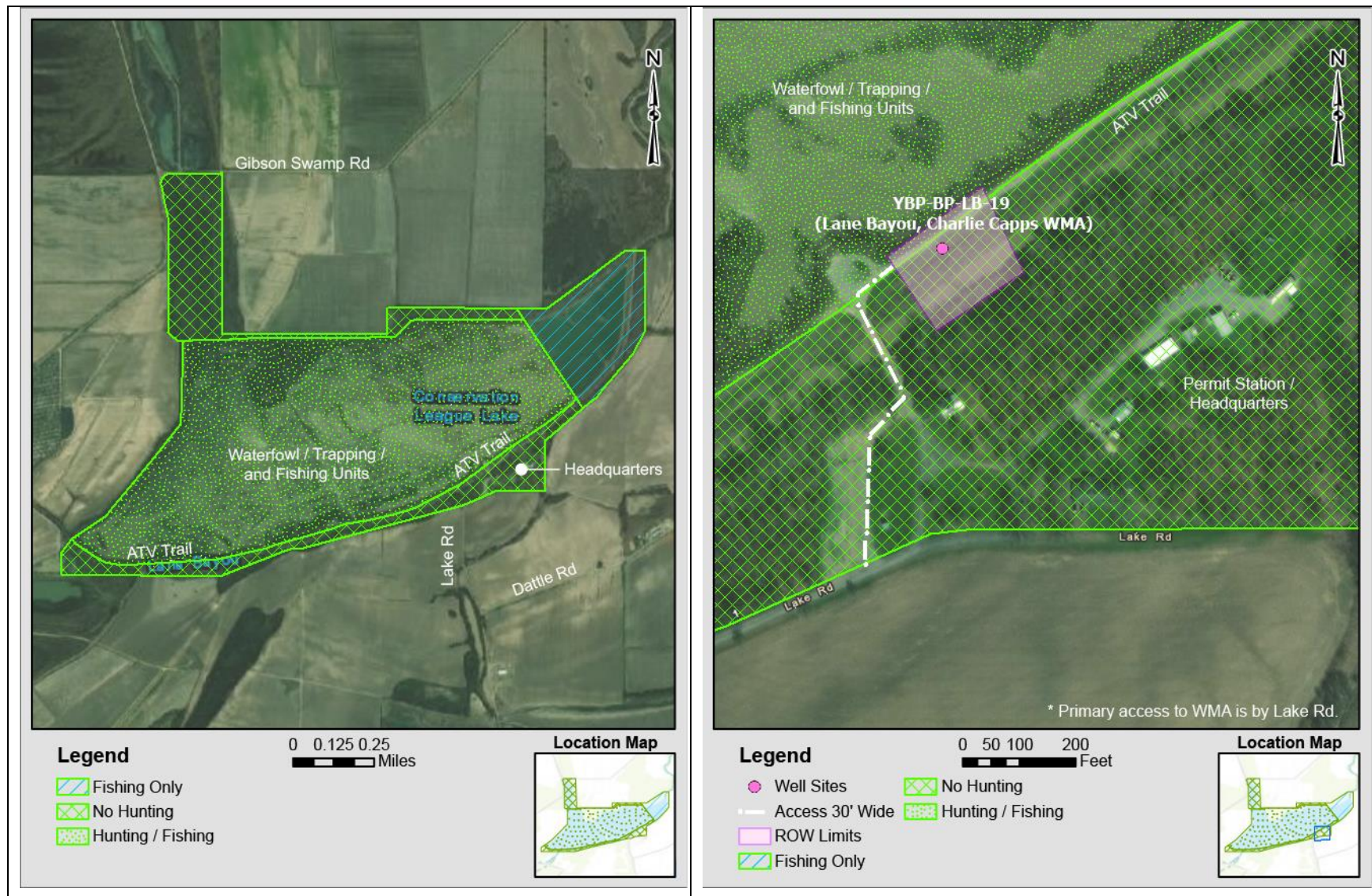
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	23,964	36,159	25,103	11,323	6,965	5,721	2,081.41
Cum.Acres	23,964	60,123	85,226	96,549	103,513	109,234	111,315.87

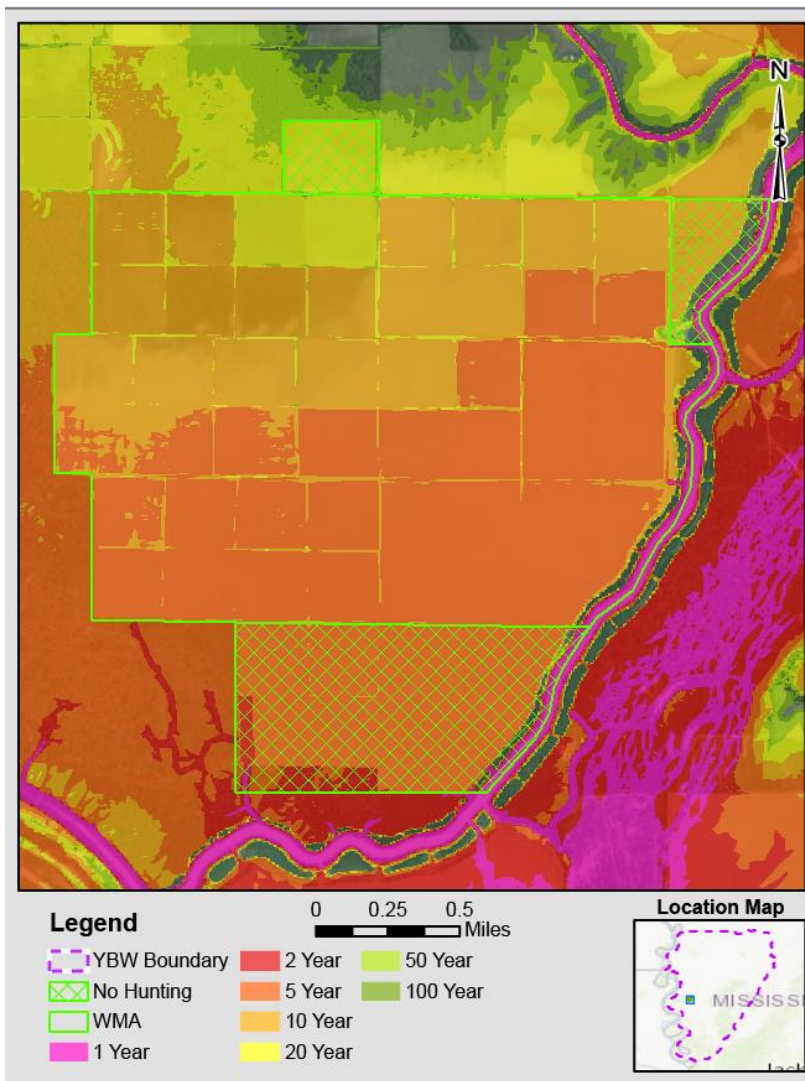


Delta National Forest: Proposed Plan

	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	19,317	26,291	24,330	10,906	8,194	8,592	4,742
Cum.Acres	19,317	45,608	69,938	80,844	89,038	97,629	102,372

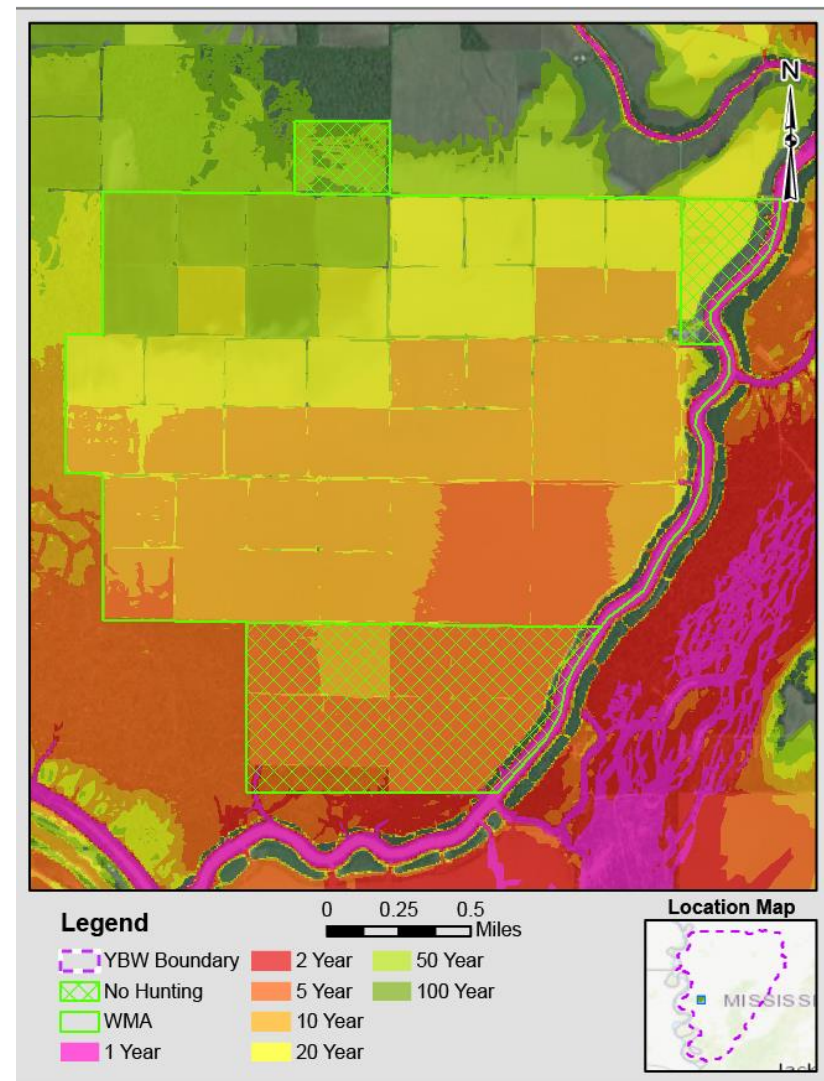
Figure F-3.8. Charlie Capps WMA





Howard Miller WMA: No Action Alternative

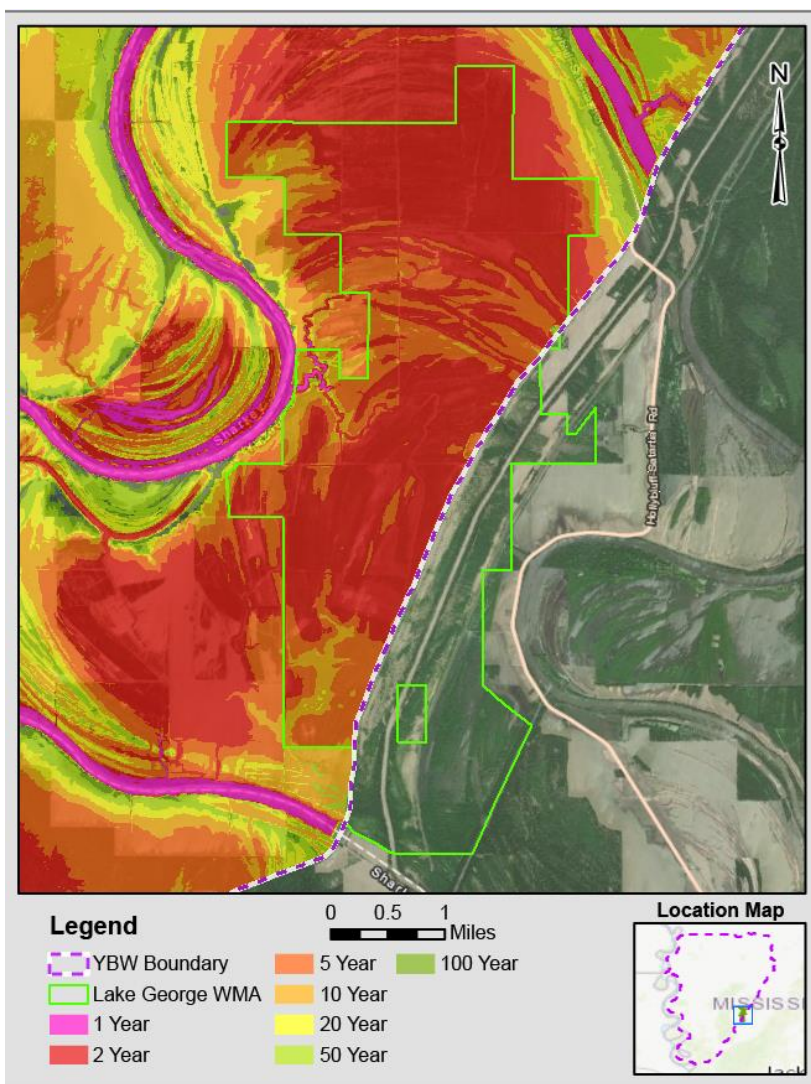
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	42.12	29.02	1,375.41	824.64	170.67	15.64	2.94
Cum.Acres	42.12	71.14	1,446.55	2,271.19	2,441.86	2,457.50	2,460.44



Howard Miller WMA: Proposed Plan

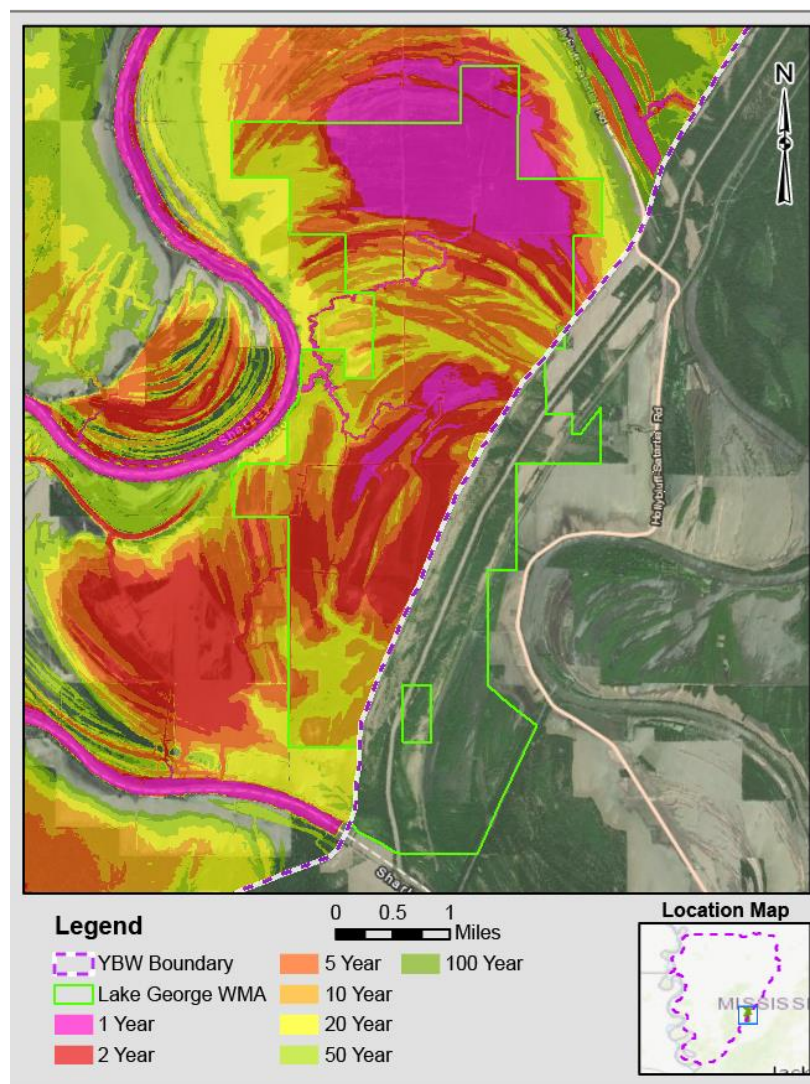
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	41.73	5.45	538.56	962.73	564.74	311.33	26.06
Cum.Acres	41.73	47.18	585.74	1,548.47	2,113.21	2,424.54	2,450.60

Figure F-3.10. Lake George WMA



Lake George WMA: No Action Alternative

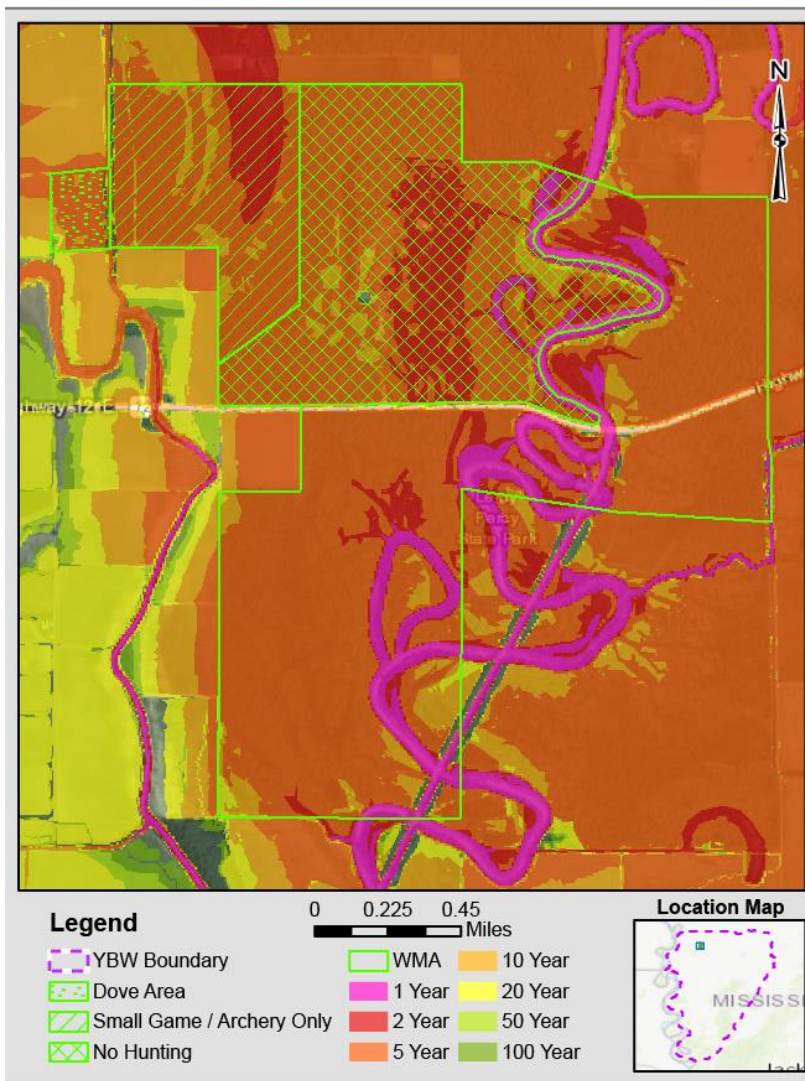
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	15.24	4,064.03	1,473.46	415.58	28.01	9.19	3.26
Cum.Acres	15.24	4,079.27	5,552.73	5,968.31	5,996.32	6,005.51	6,008.77



Lake George WMA: Proposed Plan

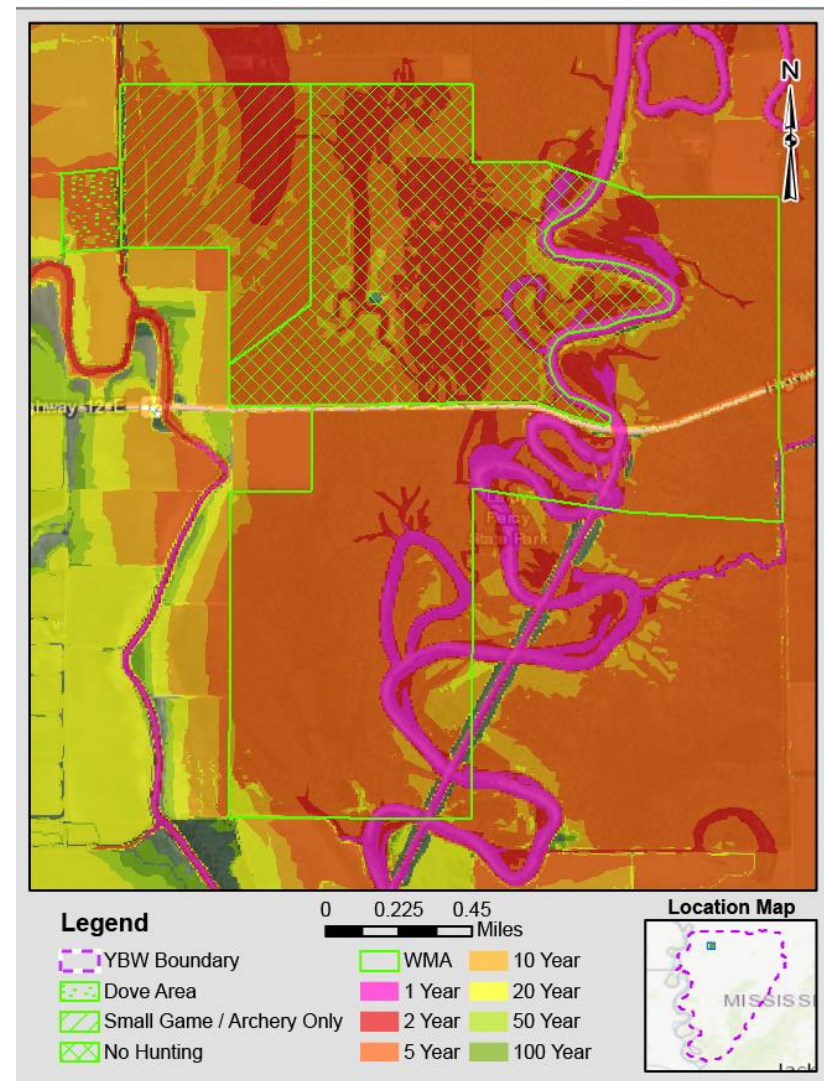
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	1,386.29	1,376.34	1,315.51	944.57	953.47	28.28	2.55
Cum.Acres	1,386.29	2,762.63	4,078.14	5,022.71	5,976.18	6,004.46	6,007.01

Figure F-3.11. Leroy Percy WMA and State Park



Leroy Percy WMA and State Park: No Action Alternative

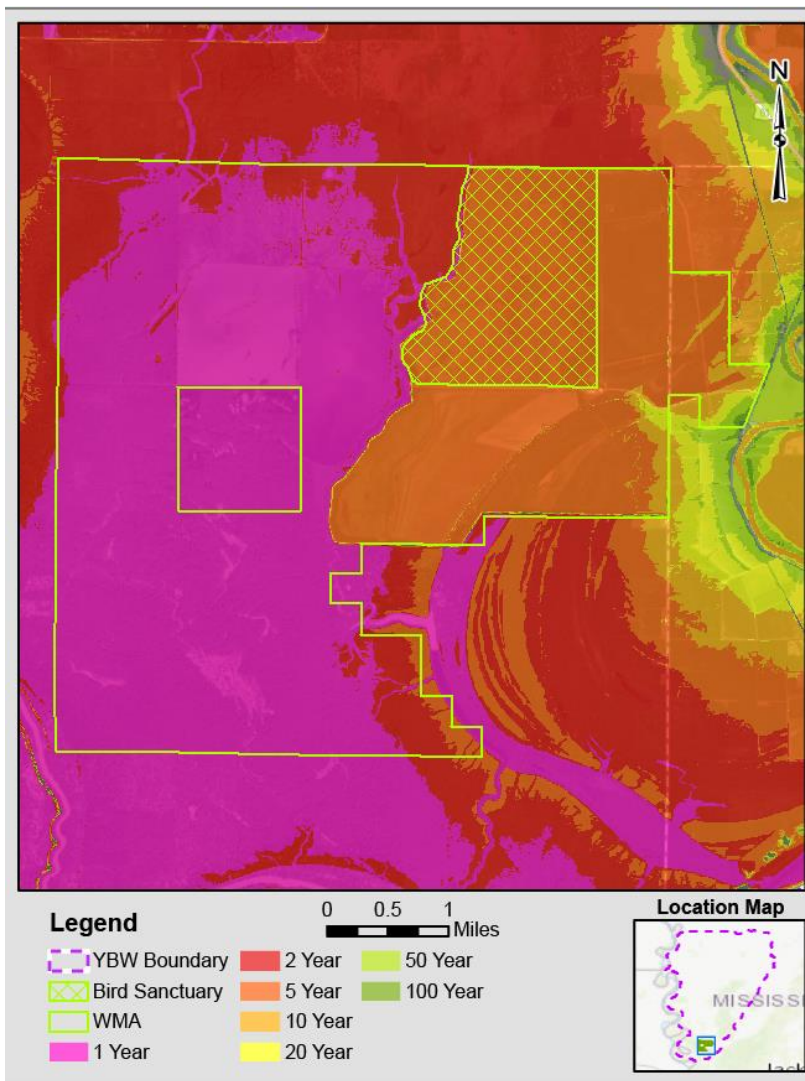
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	207.08	251.40	1,596.60	166.51	14.60	2.81	0.55
Cum.Acres	207.08	458.48	2,055.08	2,221.59	2,236.19	2,239.00	2,239.55



Leroy Percy WMA and State Park: Proposed Plan

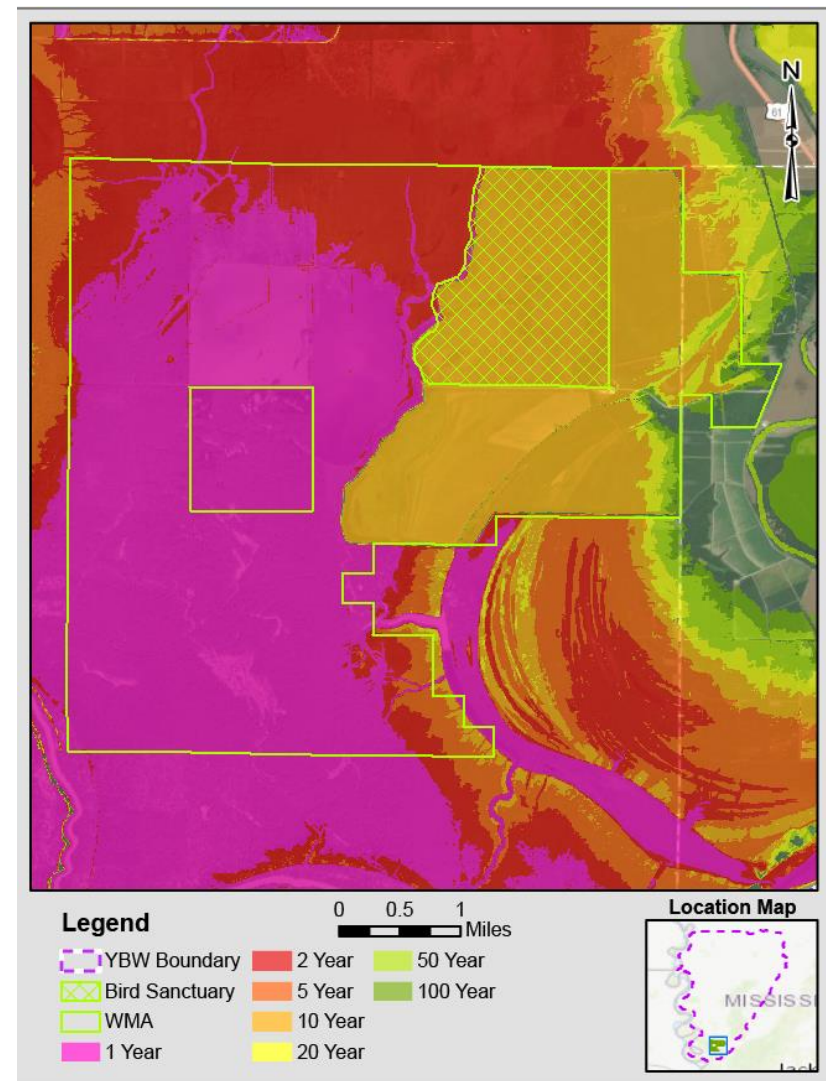
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	207.09	316.66	1,531.96	162.55	17.76	2.84	2.10
Cum.Acres	207.09	523.75	2,055.71	2,218.26	2,236.02	2,238.86	2,240.96

Figure F-3.12. Mahannah WMA



Mahannah WMA: No Action Alternative

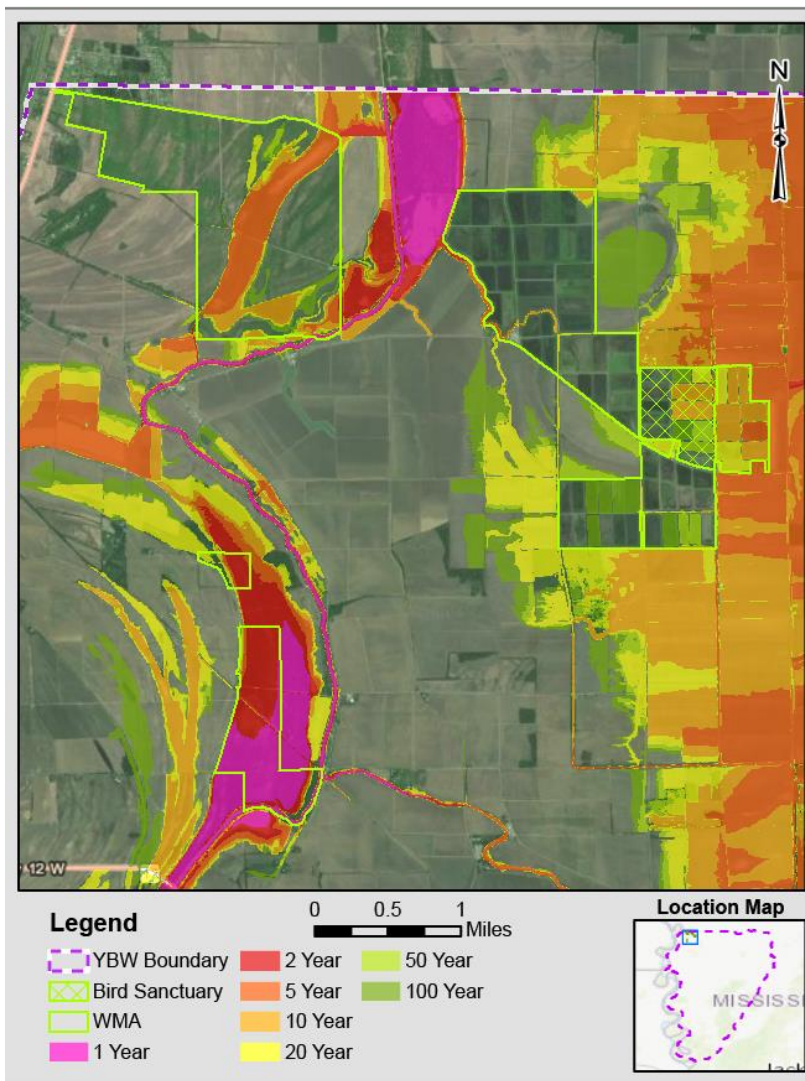
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	6,941.68	1,347.52	4,243.14	207.22	76.37	31.50	8.66
Cum.Acres	6,941.68	8,289.20	12,532.34	12,739.56	12,815.93	12,847.43	12,856.09



Mahannah WMA: Proposed Plan

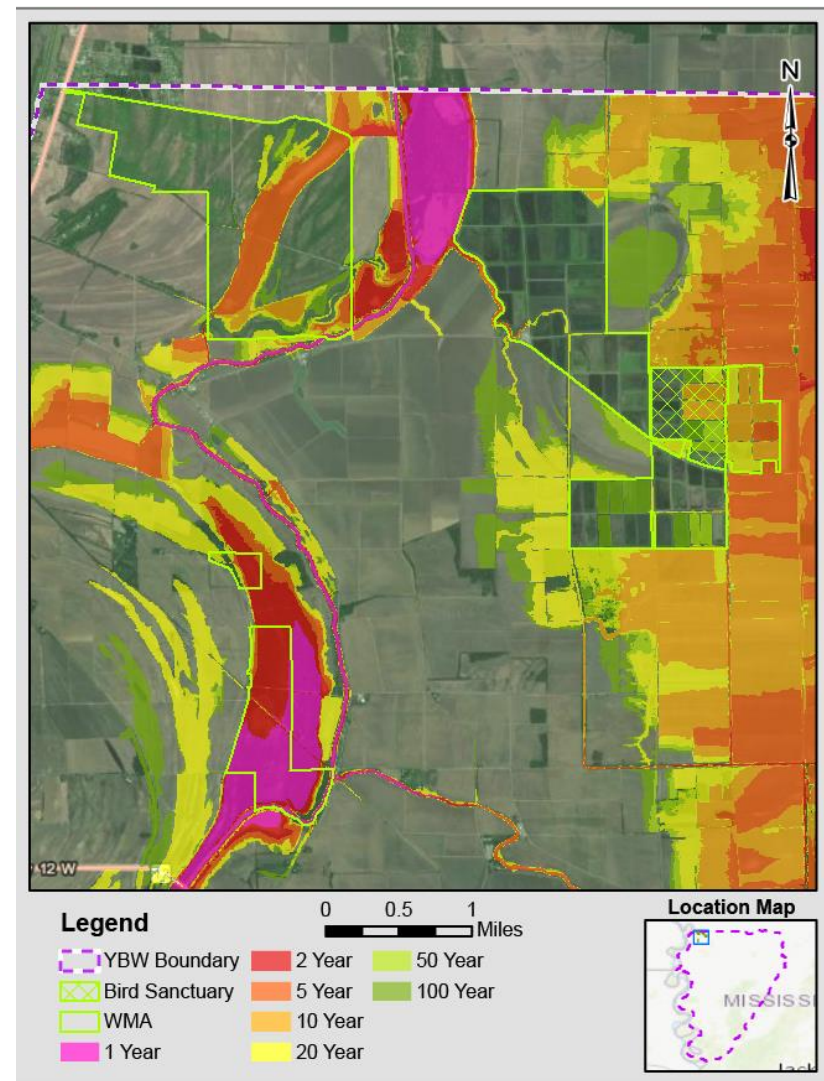
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	6,498.22	1,594.52	237.45	3,984.06	206.35	88.85	83.00
Cum.Acres	6,498.22	8,092.74	8,330.19	12,314.25	12,520.60	12,609.45	12,692.45

Figure F-3.13. Muscadine Farms WMA



Muscadine Farms WMA: No Action Alternative

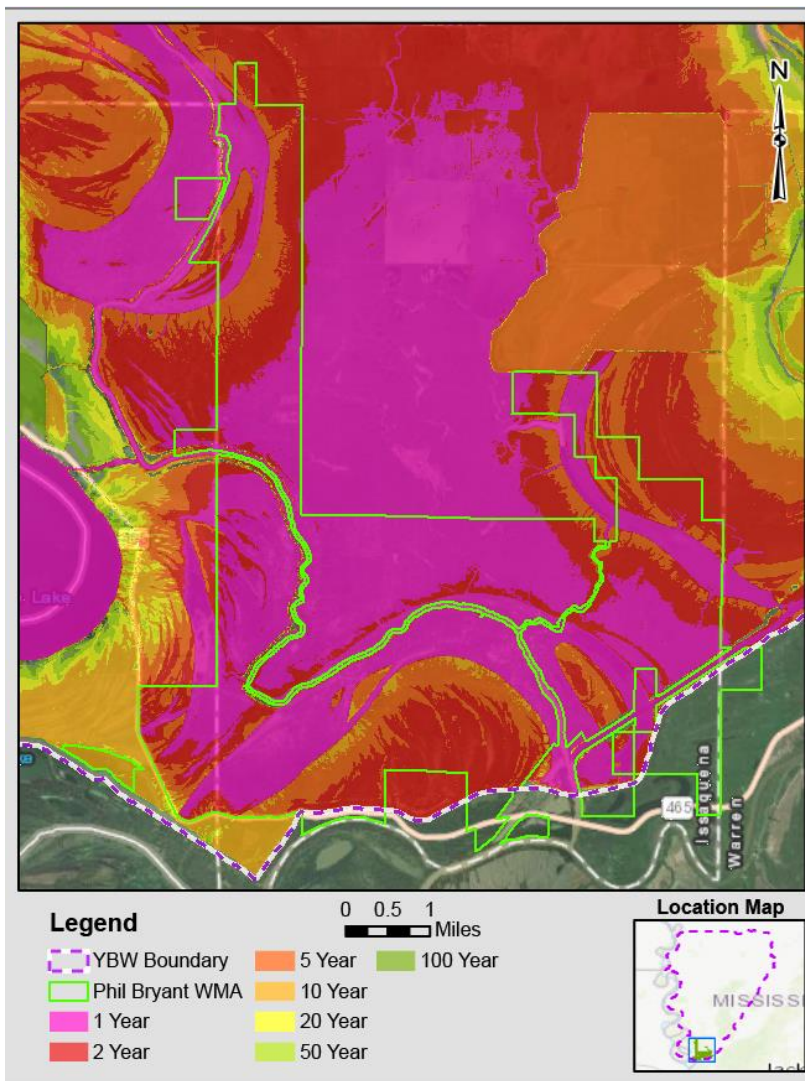
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	149.49	143.21	227.58	222.18	115.68	74.84	156.34
Cum.Acres	149.49	292.70	520.28	742.46	858.14	932.98	1,089.32



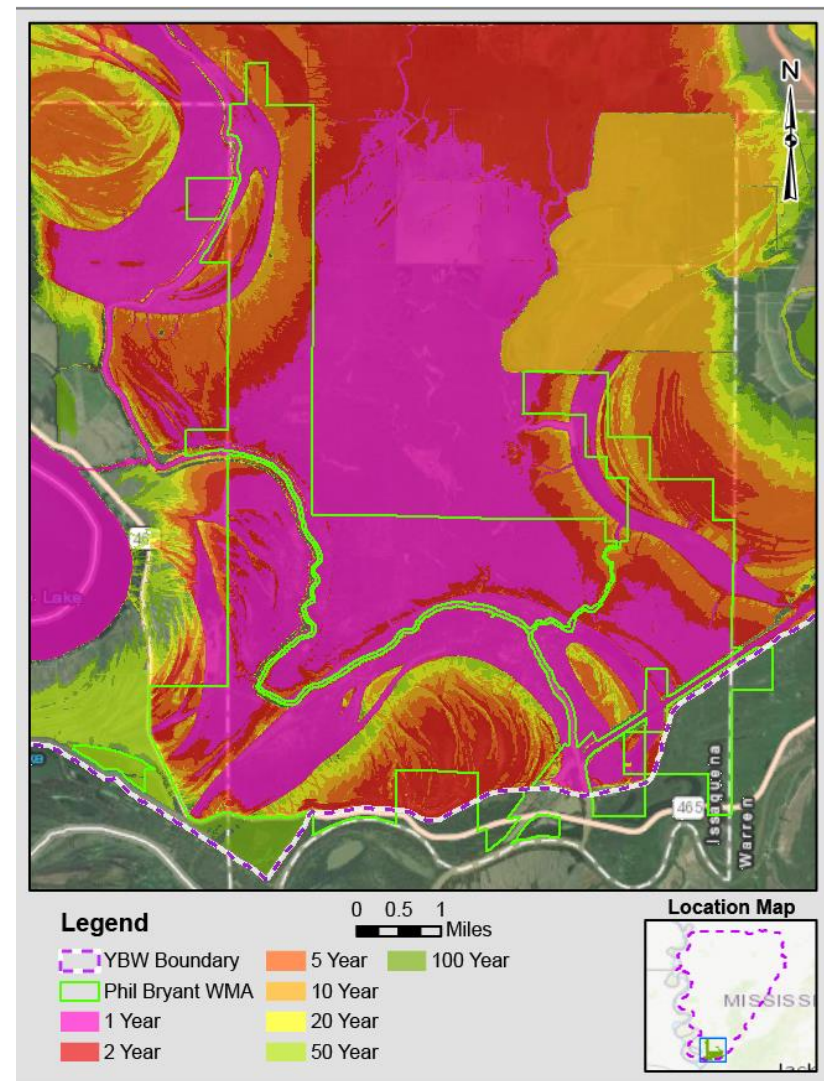
Muscadine Farms WMA: Proposed Plan

	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	149.49	143.13	227.55	181.83	157.93	73.31	156.33
Cum.Acres	149.49	292.62	520.17	702.00	859.93	933.24	1,089.57

Figure F-3.14. Phil Bryant WMA



	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	9,221	4,504	2,386	323	28	17	7
Cum.Acres	9,221	13,724	16,110	16,433	16,461	16,478	16,485



	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	8,910	2,935	2,665	1,067	470	345	29
Cum.Acres	8,910	11,846	14,510	15,577	16,048	16,393	16,421

Figure F-3.15. Phil Bryant WMA: Borrow Proximity

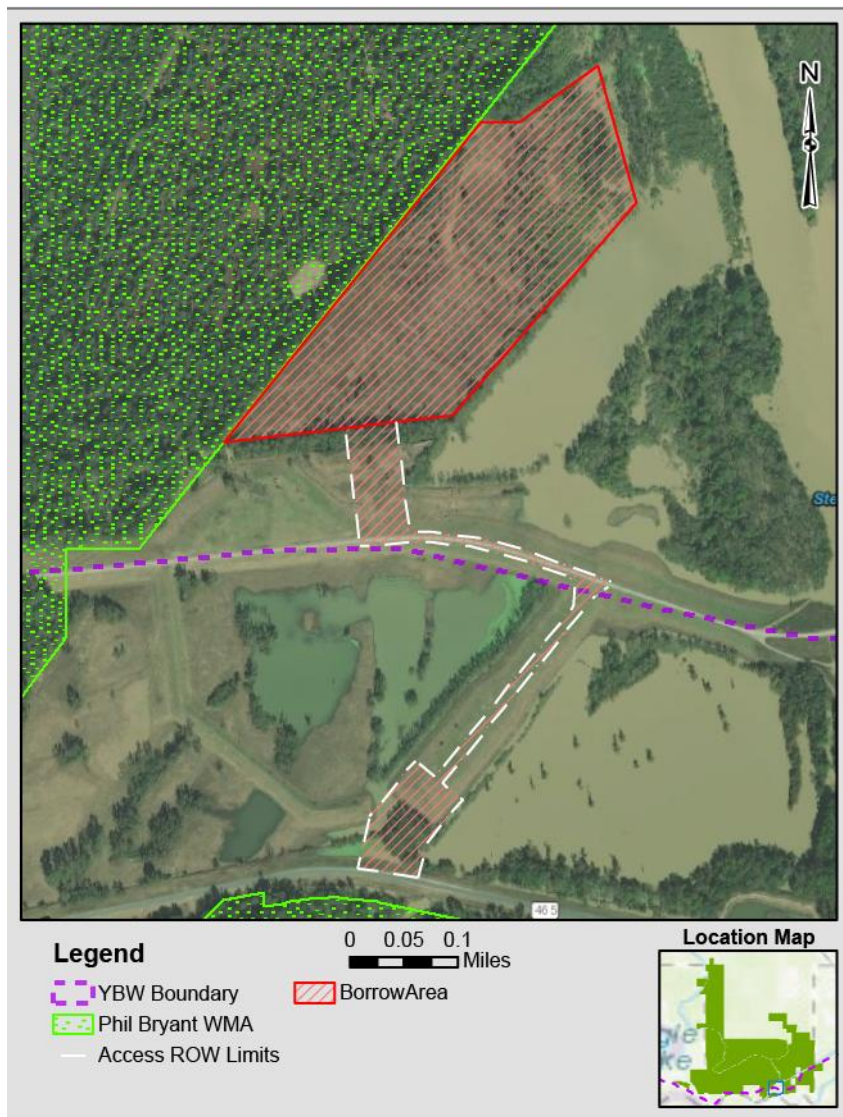
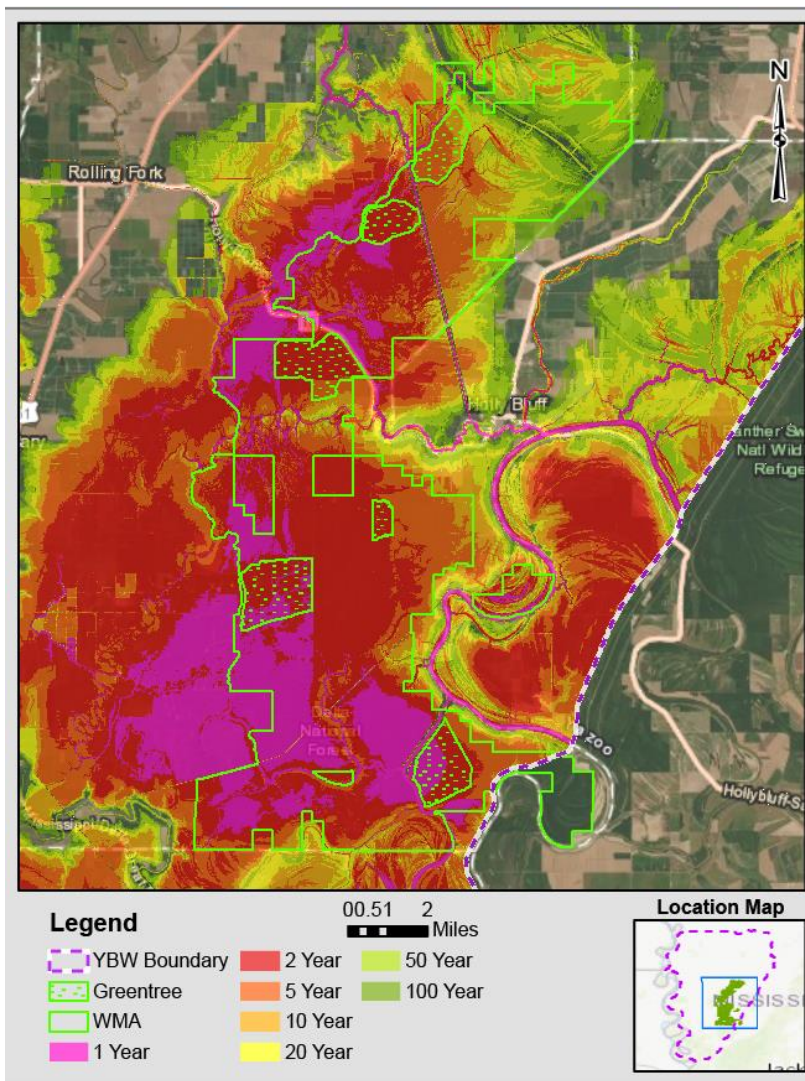
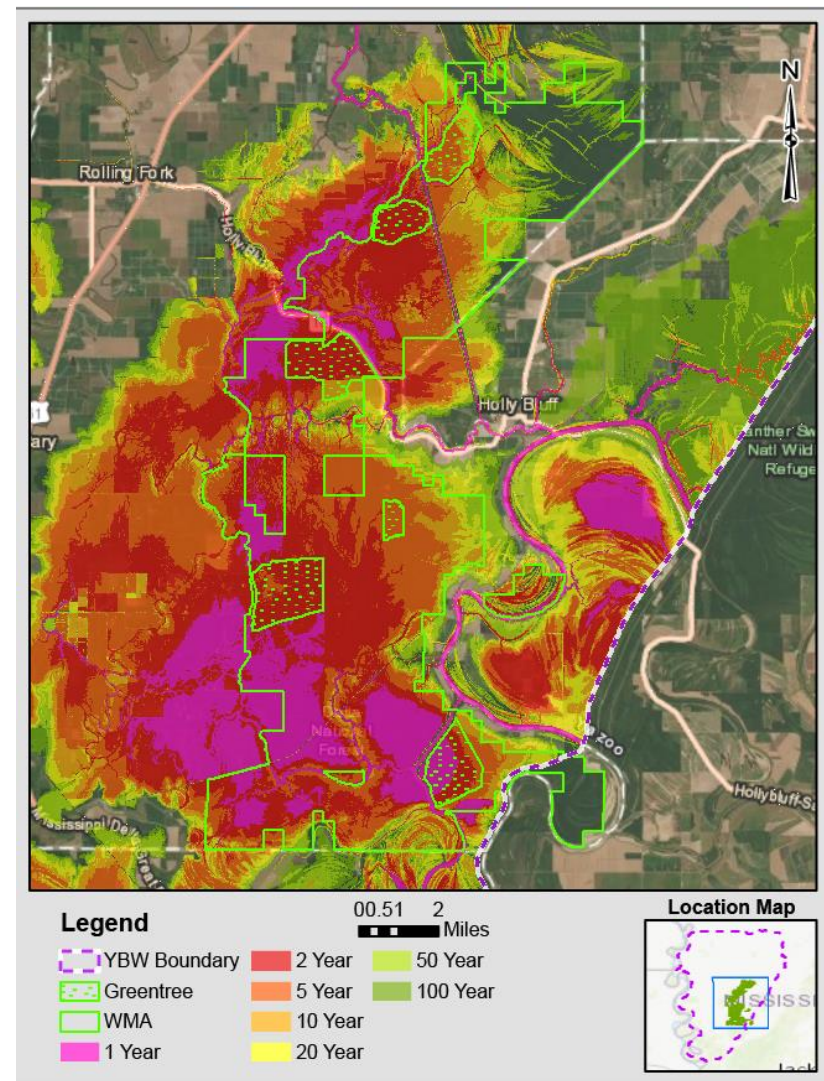


Figure F-3.16. Sunflower WMA



Sunflower WMA: No Action Alternative

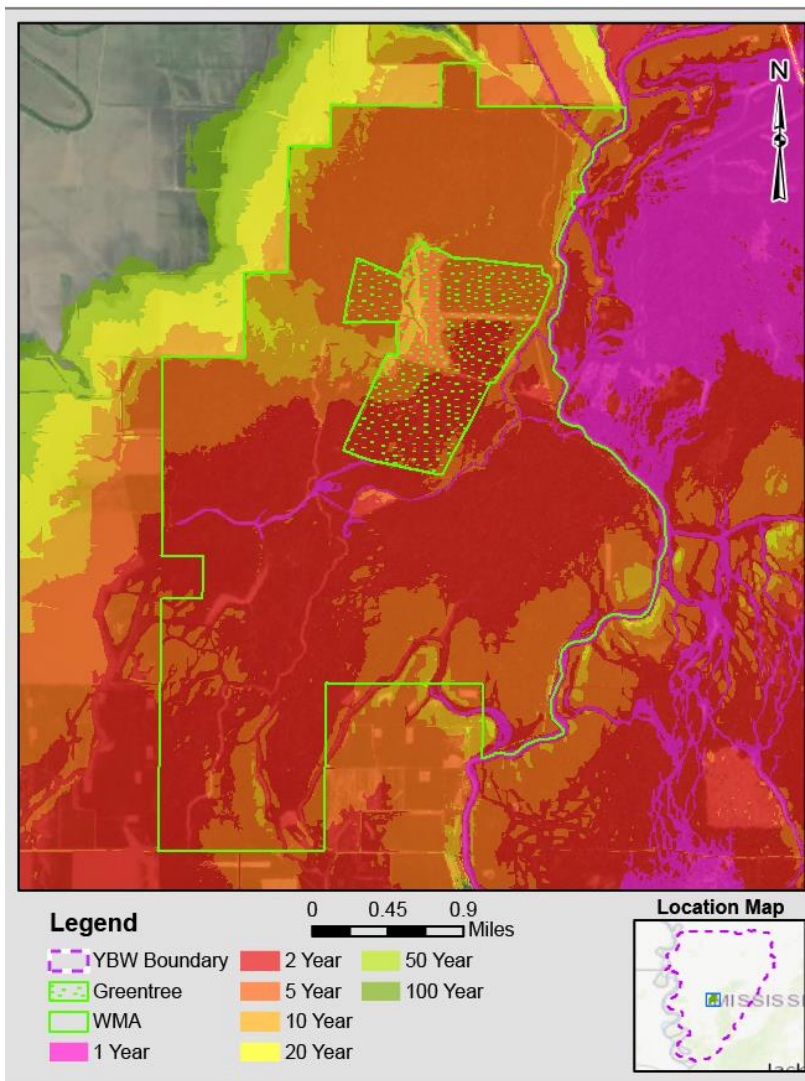
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	13,069	22,899	11,714	4,445	2,736	2,922	1,254
Cum.Acres	13,069	35,968	47,681	52,126	54,862	57,784	59,038



Sunflower WMA: Proposed Plan

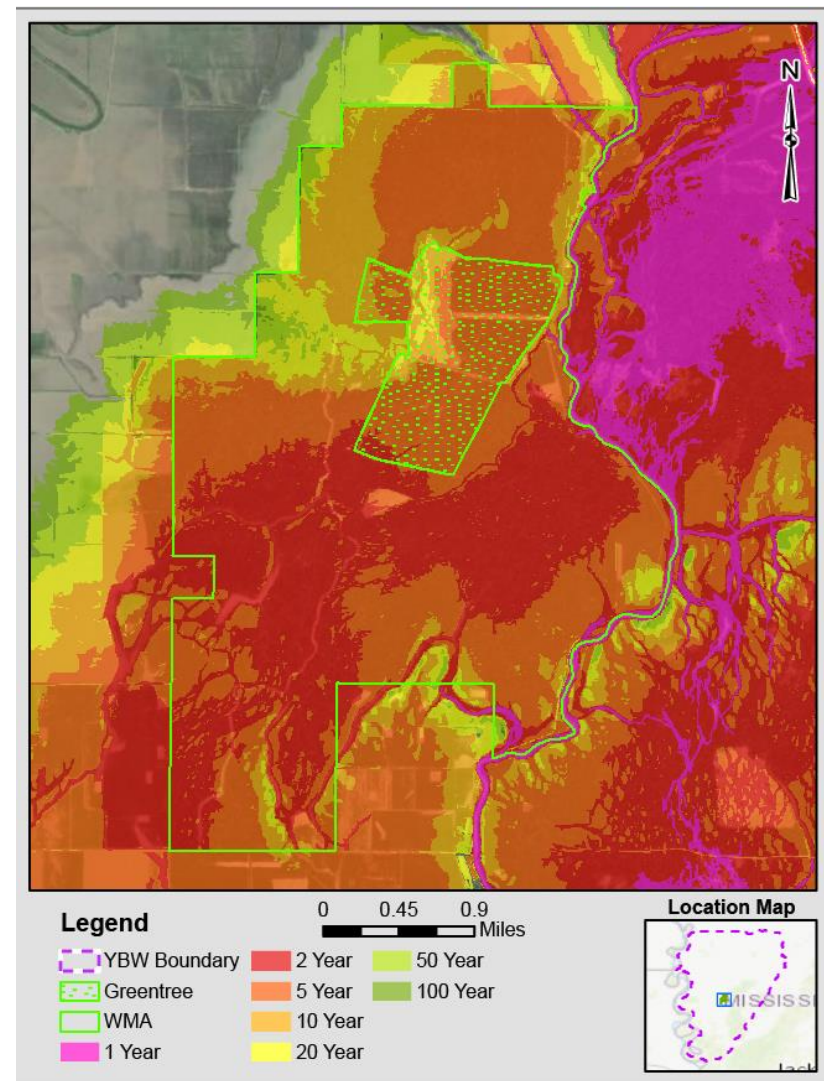
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	10,146	18,173	13,634	5,500	3,343	2,865	1,395
Cum.Acres	10,146	28,319	41,953	47,453	50,796	53,661	55,056

Figure F-3.17. Twin Oaks WMA



Twin Oaks WMA: No Action Alternative

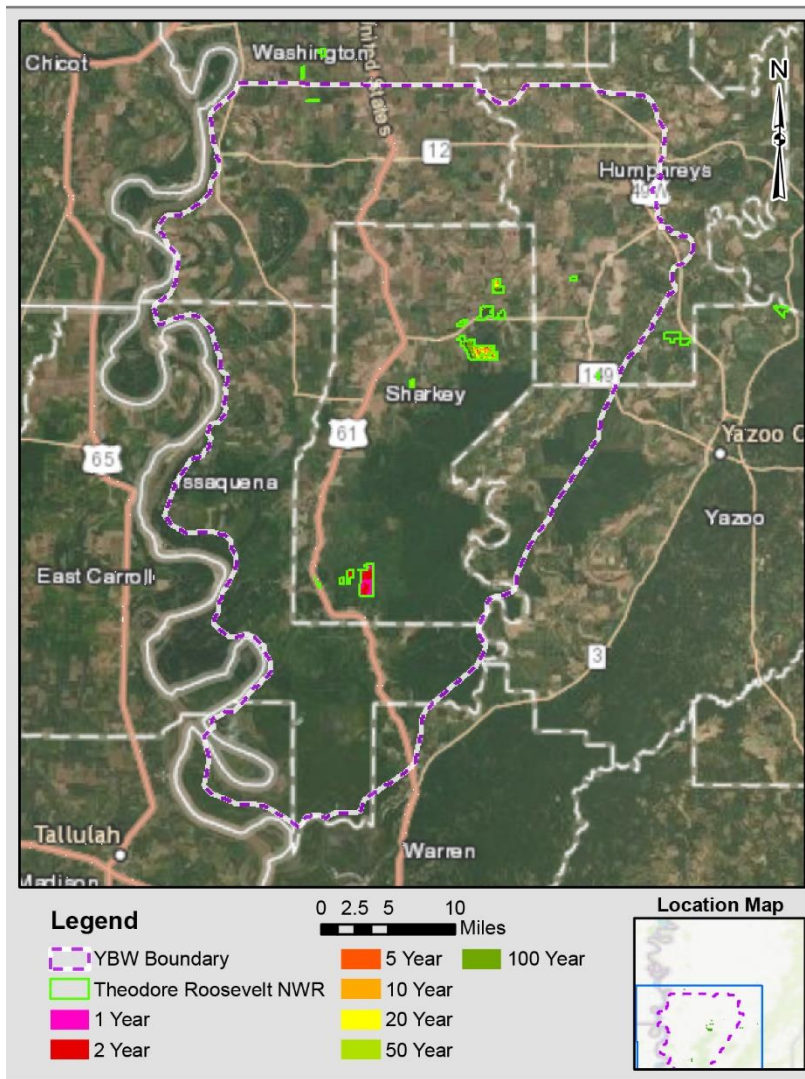
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	125.78	2,704.63	2,431.57	434.73	47.13	4.50	0.68
Cum.Acres	125.78	2,830.41	5,261.98	5,696.71	5,743.84	5,748.34	5,749.02



Twin Oaks WMA: Proposed Plan

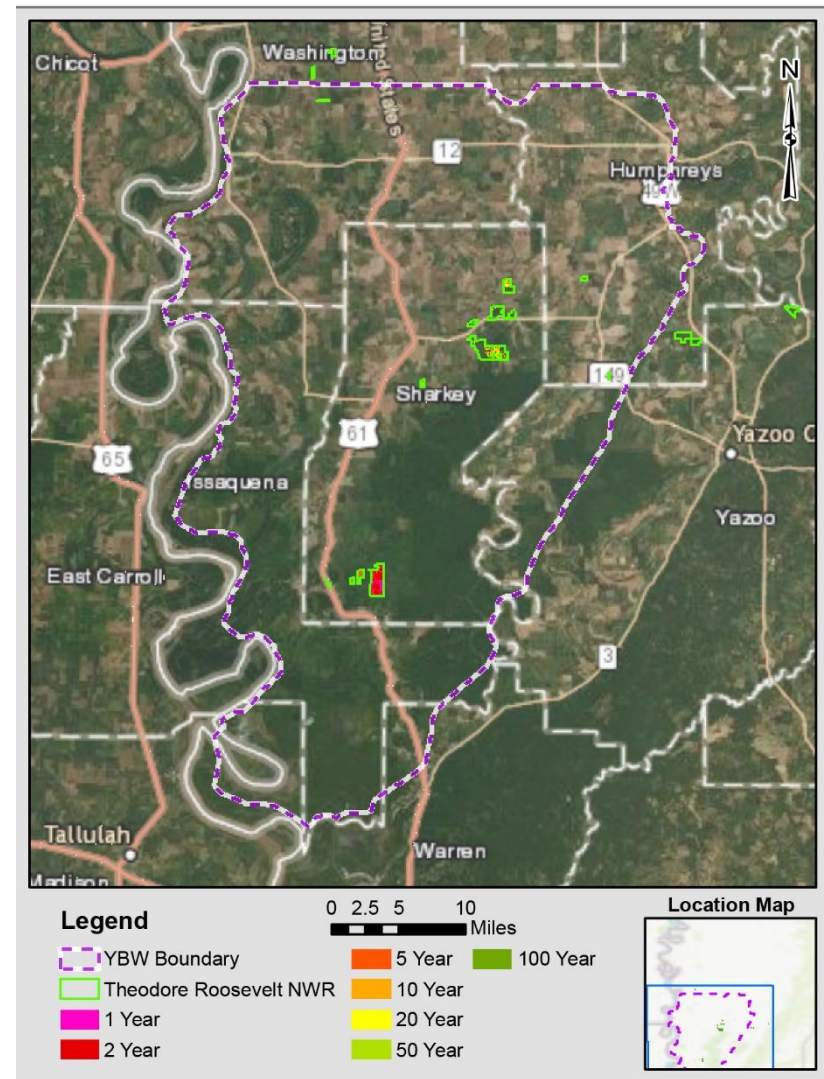
	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	71.07	1,904.40	2,612.68	789.51	276.67	83.65	5.73
Cum.Acres	71.07	1,975.47	4,588.15	5,377.66	5,654.33	5,737.98	5,743.71

Figure F-3.18. Theodore Roosevelt NWR



Theodore Roosevelt: No Action Alternative

	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	700.16	979.19	186.70	355.66	384.26	455.63	512.78
Cum.Acres	700.16	1,679.35	1,866.05	2,221.71	2,605.97	3,061.60	3,574.38



Theodore Roosevelt NWR: Proposed Plan

	1-Year	2-Year	5-Year	10-Year	20-Year	50-Year	100-Year
Acres/freq	498.34	860.45	428.71	230.29	259.24	245.92	152.52
Cum.Acres	498.34	1,358.79	1,787.50	2,017.79	2,277.03	2,522.95	2,675.47

References

- Baker, J. A., J. Killgore, and R. L. Kasul. 1991. Aquatic habitats and fish communities in the lower Mississippi River. *Aquatic Sciences* 3: 313–353.
- Biedenharn, D. S., C. R. Thorne, and C. C. Watson. 2000. Recent morphological evolution of the lower Mississippi River. *Geomorphology* 34: 227–249.
- Faulkner, S., W. Barrow Jr., B. Keeland, S. Walls, and D. Telesco. 2011. Effects of conservation practices on wetland ecosystem services in the Mississippi Alluvial Valley. *Ecological Applications* 21: S31-S48.
- Glasgow, L., and R. Noble. 1971. The importance of bottomland hardwoods to wildlife. In *Proceedings of a Symposium on Southeastern Hardwoods*. p. 30-43. U.S. Forest Service, Atlanta, GA.
- Grado, S. C., R. M. Kaminiski, I. A. Munn, and T. A. Tullos. 2001. Economic impacts of waterfowl hunting on public lands and at private lodges in the Mississippi Delta. *Wildlife Society Bulletin* 29: 846-855.
- Grado, S. C., K. M. Hunt, and M.W. Whiteside. 2007. Economic impacts of white-tailed deer hunting in Mississippi. *Proc. Annu. Conf. Southeast. Assoc. Fish and Wild. Agencies* 61: 59- 67.
- Grado, S. C., K. M. Hunt, C. P. Hutt, X. T. Santos, and R. M. Kaminiski. 2011. Economic impacts of waterfowl hunting in Mississippi derived from a state-based mail survey. *Human Dimensions of Wildlife* 16: 100-113
- King, S. L., and B. D. Keeland. 1999. Evaluation of reforestation in the Lower Mississippi River Alluvial Valley. *Restoration Ecology* 7: 348-359.
- King, S. L., R. R. Sharitz, J. W. Groninger, and L. L. Battaglia. 2009. The ecology, restoration, and management of Southeastern floodplain ecosystems: a synthesis. *Wetlands* 29: 624-634.
- MacDonald, P. O., W. E. Frayer, and J. K. Clauser. 1979. Documentation, chronology, and future projections of bottomland hardwood habitat loss in the lower Mississippi Alluvial Plain.
- Volume 1, basic report. HRB-Singer, Incorporated, State College, Pennsylvania.
- Nichols, J. D., K. J. Reinecke, and J. E. Hines. 1983. Factors affecting the distribution of mallards wintering in the Mississippi Alluvial Valley. *The Auk* 100: 932-946.
- Ward, J. V. 1989. The four-dimensional nature of lotic ecosystems. *Journal of the North American Benthological Society* 8: 2-8.