



NA-01570-01

LAKE MANAGEMENT PLAN

(Use reverse side and add additional sheets as needed)

Region 3	Area 313	DOW # 02-0042	County Anoka	DOW Lake Name Coon Lake	Acres/Lit. Acres 1259/1098	Lake Class 35
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Long Range Goal:

Develop a walleye fishery with a gill net CPUE of 3 fish and maintain a NOP population with a gill net CPUE > median for lake class 35 with RSD²⁵ > 20.

Operational Plan:

- 1) Population assessments on an every other year cycle or as needed to assess fish population.
- 2) Monitor winter aeration system as needed.
- 3) Review all DOW and APM permit applications.
- 4) Stock walleye fingerling or yearling at a rate of 0.5 lb./littoral acre on an annual basis.
- 5) Support efforts to control the spread of Eurasian water milfoil.
- 6) Work closely with the Coon Lake Improvement Association.

Mid-Range Goal:

Develop a walleye population with a gill net CPUE of 2 fish /lift.

Potential Plan:

- 1) Implement Special Regulation of 17" minimum size on Walleye.....\$5,000
- 2) Encourage restoration of natural shoreline.....\$5,000
- 3) Work with local government to provide handicap accessible shore/pier fishing.....\$20,000

TOTAL: ...\$30,000

Primary Species Management WAE, NOP	Secondary Species Mngt. LMB, BLG	FOR CENTRAL OFFICE USE ONLY	
		Entry Date:	Year Resurvey:
Area Supervisor Signature	Date:	Stock Species – Size – Number/acre	
Regional Supervisor Signature	Date:	Schedule	Year Beginning
NARRATIVE: (Historical perspectives - <u>various surveys</u> ; <u>past management</u> ; <u>social considerations</u> ; <u>present limiting factors</u> ; <u>survey needs</u> ; <u>land acquisition</u> ; <u>habitat development and protection</u> ; <u>commercial fishery</u> ; <u>stocking plans</u> ; <u>other management tools</u> ; and <u>evaluation plans</u>)		Population Manipulation <input type="checkbox"/> YES <input type="checkbox"/> NO Year _____	
		Development <input type="checkbox"/> YES <input type="checkbox"/> NO Year _____	
		Creel or Use Survey <input type="checkbox"/> YES <input type="checkbox"/> NO Year _____	
		Other:	

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Region	Area	DOW #	County	DOW Lake Name	Acres/Lit. Acres	Lake Class
3	313	02-0042	Anoka	Coon Lake	1259/1098	35
<p>VARIOUS SURVEYS: A Creel survey was completed in 2005. Lake surveys were done in 1954, 1973, 1983, 1993, and 2003. Population assessments were conducted in 1976, 1977, 1978, 1988, 1998, and 2005. A recreational use survey was completed in 1980. A game lake survey was done in 1947. Winter fish house counts, which were performed annually since 1975, were discontinued in the early 2000's.</p>						
<p>PAST MANAGEMENT: Coon Lake has been managed as a periodic winterkill lake until a winter aeration system was installed in the winter of 1987-1988 and then a second system in 2006. Walleye fry were stocked in 1986 and annually from 1989 to 1993. The Coon Lake Improvement Association was permitted to stock fingerling and yearling walleye on two different occasions, once in 2004 and again in 2006.</p>						
<p>SOCIAL CONSIDERATIONS: The shoreline of the east basin of this lake is almost entirely developed as single-family homes, many of them (especially in the Coon Lake Beach area) some time ago. The west (shallow) basin is less developed. It is believed many on site septic systems have become ineffective and contribute considerable nutrient input to an already fertile lake. Fishing pressure in 2005 was estimated to be 61 hrs/acre, up significantly from the 35 hrs/acre estimate of 1980. A portion of the shoreline is within an Anoka County Park. Facilities in this park include a boat access, small beach and picnic area. The size of the public access was increased from 8 to 25 parking sites in 1988. Additional improvements to both the state owned and county owned access sites completed after 1998. The last resort on the lake closed between 1998 and 2003 reduced shore angling opportunities</p>						
<p>PRESENT LIMITING FACTORS: The major factor limiting fishing appears to be the lack of shore fishing opportunities. Abundant submersed vegetation in the west basin appears to hinder boat traffic in the summer months. The recent discovery of Eurasian water milfoil will likely intensify the problem. In the past, a large portion of the lake became anoxic during severe winters. Installation of a winter aeration device in 1988 and another in 2006 appears to prevent severe winterkill events. Recreational boating is very popular on the east basin, to the point of limiting the use of this area by anglers.</p>						
<p>SURVEY NEEDS: The most recent survey completed on Coon Lake was a population assessment in 2005. Subsequent sampling will be performed biennially to better evaluate fluctuations in the populations of the primary species (NOP, LMB, BLG) and impacts of the proposed walleye stocking.</p>						
<p>LAND ACQUISITION NEEDS: Purchase of the closed resort and improvements to shore angling facilities would be desirable</p>						
<p>HABITAT DEVELOPMENT AND PROTECTION: Cooperation with the local WMO and lake association to upgrade on site sewage systems and other attempts to limit nutrient loading should be encouraged. Applications for DOW and APM permits have increased in recent years. All applications should be reviewed and applicants encouraged to limit their effect on natural systems. Restoration of natural shorelines should be encouraged</p>						
<p>COMMERCIAL FISHERY: This lake has little potential for commercial fishing</p>						
<p>STOCKING PLANS: This proposal is conditional on the implementation of a 17" minimum size restriction on walleye to provide the maximum benefit of the stocked fish. Stocking of large walleye fingerlings (>10/lb.) and/or yearling fish would be desirable if available.</p>						
<p>OTHER MANAGEMENT TOOLS: A Special regulation of 17" minimum size for walleye will be proposed for the open water season 2008. Other regulations to enhance the quality of Northern pike and largemouth bass may be considered only after the walleye regulation is in place and has been sufficiently evaluated.</p>						
<p>EVALUATION: Management will be evaluated over a 10-year period by scheduled surveys and assessments. Additional evaluation by creel and recreational use survey if funding is available. At the end of the evaluation period, a decision should be made to continue, modify or terminate the regulation.</p>						



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