

Objectives

November 14, 2011

This is the 2nd step, or decision component, in the structured decision making (SDM) process. This is where we think broadly and comprehensively about the following questions:

- What do we care about?
- What are we concerned about?
- What are the differences between good and bad outcomes?

Comprehensive list of all concerns, values, & objectives that were expressed (cont'd. on pg. 2):

Concern	Objective	Desired direction	Metric
Quality of the walleye population	Quality of the walleye population	+	
	Long-term self-sustainability of a harvestable walleye population	+	
	Within-lake productivity of the walleye population	+	
	Consistency in strength of walleye year classes	+	
	Effects of other fish on the walleye population	-	
Healthy fisheries	Health of the walleye fishery	+	
	Health of other fisheries	+	Weight-to-length ratio
Angling quality	Quality of angling for walleye	+	
	Size of walleyes caught	+	12-18" average; some trophy size
	Rate of catching walleyes (& number caught)	+	1-3 per hour
	Biomass of walleye harvest	+	
	Quality of angling for northern pike	+	
	Quality of angling for sunfish & crappies	+	
	Quality of angling for other species (e.g., bass)	+	
Health of the system	Health of the ecosystem	+	
	Water quality	+	
	Quality of fish habitat (e.g., spawning areas)	+	
	Distribution of aquatic vegetation	-	
	Contaminants	-	Fish consumption advisories
	Use of chemicals (e.g., herbicides)	-	
	Quality of the land in the watershed	+	Size of parcels
	Lakeshore development	-	
	Nutrient pollution, algal blooms	-	
	Invasive aquatic species	-	
	Proximity of source for stocking	+	

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Hydroelectric production	Supply of water for hydroelectric production	+	
Business success	Success of businesses dependent upon the lake and its fisheries	+	
General boating	Quality of boating recreation	+	
	Restriction of boat access due to aquatic plants	-	
	Quality of swimming recreation	+	
Financial costs	Financial costs to the DNR	-	
Procedural considerations	Ease of implementation	+	
Legal considerations	Satisfy existing laws	+	
	Enforcement of fishing regulations	+	
	Enforcement of environmental laws (e.g., septic systems)	+	

Focal subset of objectives based on the Objectives Hierarchy:

Category	Objective	Direction	Metric(s)
Ecological	Water quality	+	
	Invasive aquatic species	-	
	Proximity of walleye stock	+	
Financial & Procedural	Hydroelectric production	+	
	Success of lake-dependent businesses	+	
	DNR costs	-	
	Ease of management implementation	+	
Walleye fishery	Size & abundance of walleyes	+	
	Year-class consistency of walleyes	+	
	Within-lake reproduction of walleyes	+	
	Impact of other fish on walleyes	-	
Other fisheries	Size & abundance of northern	+	
	Size & abundance of panfish	+	
	Size & abundance of bass	+	