Table III-11

CRITICAL AQUATIC HABITAT SITES IN THE OZAUKEE COUNTY PLANNING AREA: 2005[a]

Number on Map III-21	Streams	Size (stream miles)	Rank[b]	Description and Comments
8	Milwaukee River main stem upstream from STH 33	11.1 miles	AQ-1 (RSH)	Important reservoir for critical fish species, including the striped shiner, an endangered fish species, and three threatened fish species
9	Milwaukee River downstream from STH 33 to STH 57 (includes Mole Creek)	8.7 miles	AQ-1 (RSH)	Important reservoir for the striped shiner; good overall fish population and diversity
10	Riveredge Creek	3.0 miles	AQ-1 (RSH)	A slow, cold, spring-fed stream, with excellent water quality; contains a very diverse invertebrate assemblage; a designated State Natural Area
11	Cedar Creek downstream from STH 60	6.7 miles	AQ-2 (RSH)	Good fish population and diversity, including three critical fish species; good assemblage of mussel species
12	Milwaukee River downstream from STH 33 to main stem	4.3 miles[c]	AQ-2 (RSH)	Biotic Index Rating[d] of "Excellent" critical fish species present; good assemblage of mussel species
13	Milwaukee River downstream from STH 33 to main stem	5.6 miles[e]	AQ-2 (RSH)	Biotic Index Rating[d] of "Excellent" critical fish species present; good assemblage of mussel species
14	Milwaukee River downstream from STH 57 to CTH C	4.5 miles	AQ-2 (RSH)	Critical fish species present, including the striped shiner; Biotic Index Rating[d] of "Good"
15	North Branch, Milwaukee River	0.8 miles[c]	AQ-2 (RSH)	Good overall fish population and diversity, including critical fish species; Biotic Index Rating[f] of "Good to Excellent"
16	Pigeon Creek	3.1 miles	AQ-2 (RSH)	Good overall fish population and diversity, including critical fish species; critical plant species adjacent to and within the channel
17	North Branch, Menomonee River upstream from STH 145	1.1 miles[c]	AQ-3	Bisects several Natural Areas
18	Fish Creek	0.7 miles[c]	AQ-3	Bisects Fairy Chasm State Natural Area
19	Cedar Creek downstream from Little Cedar Creek inflow to CTH M	1.9 miles[c]	AQ-3	Good fish population and diversity; bisects Jackson Swamp, an identified Natural Area
20	Cedar Creek downstream from CTH M to STH 60	8.6 miles[c]	AQ-3	Good fish population and diversity; good mussel species assemblage
21	Milwaukee River downstream from CTH C to Mequon Road	7.6 miles	AQ-3 (RSH)	Good fish population and diversity and mussel species richness
22	Milwaukee River downstream from Mequon Road to Brown Deer Road	2.4 miles[c]	AQ-3 (RSH)	Biotic Index Rating[d] of "Good"; critical fish species present
	Total - 14 stream reaches	70.1 miles	- -	- -
23	Long Lake	40 acres	AQ-1 (RSH)	A shallow seepage lake with an undeveloped shoreline and wilderness character within the Cedarburg Bog State Natural Area; a variety of plant communities surrounds the Lake; critical herptile habitat

Table III-11

CRITICAL AQUATIC HABITAT SITES IN THE OZAUKEE COUNTY PLANNING AREA: 2005[a]
(continued)

Number on Map III-21	Lakes[g]	Size (Acres)	Rank[b]	Description and Comments
24	Mud Lake	148 acres	AQ-1 (RSH)	A shallow, undeveloped seepage lake within the Cedarburg Bog State Natural Area; a variety of plant communities surrounds the lake
25	Big Bienborn Lake (Horn Lake)	10 acres	AQ-2 (RSH)	A seepage lake adjacent to the Cedarburg Bog State Natural Area
26	Watts Lake	6 acres	AQ-2	A deep spring lake within the Cedarburg Bog State Natural Area; an undeveloped shoreline
27	Quarry Lake	19 acres	AQ-3	An abandoned limestone quarry which is an identified Geological Area site adjacent to an identified Natural Area, Harrington Beach Lacustrine Forest
28	Huiras Lake	21 acres	AQ-3	An undeveloped seepage lake encompassed by an identified Natural Area, Huiras Lake Woods and Bog
29	Spring Lake	50 acres[c]	AQ-3	A seepage lake with adjacent wetlands important for breeding and feeding habitat for wildlife
30	Unnamed lake	12 acres	AQ-3 (RSH)	A seepage lake with suitable habitat for Blanding's turtle, a threatened species
- -	Total - Eight lakes	306 acres	- -	- -

[a]*Inventory conducted in 1994; ownership information updated in 2005.*

[b]*AQ-1 identifies Aquatic Area sites of statewide or greater significance, AQ-2 identifies Aquatic Area sites of countywide or regional significance, and AQ-3 identifies Aquatic Area sites of local significance. RSH, or Rare Species Habitat, identifies those aquatic areas which support rare, endangered, threatened, or "special concern" species officially designated by the Wisconsin Department of Natural Resources.*

[c]*Lake or stream is located partially within Ozaukee County. Number refers to acreage or stream miles located within the County.*

[d]*Based upon the Hilsenhoff Biotic Index (HBI) discussed in Wisconsin Department of Natural Resources Technical Bulletin No. 132,* Using a Biotic Index to Evaluate Water Quality in Streams*, 1982.*

[e]*Stream located in Washington County. Stream miles located within Washington County.*

[f]*Based upon the Index of Biotic Integrity (IBI) discussed in U.S. Department of Agriculture, Forest Service, General Technical Report No. 149,* Using the Index of Biotic Integrity (IBI) to Measure Environmental Quality in Warmwater Streams of Wisconsin, *April 1992.*

[g]*"Seepage lakes" are lakes which have no inlet or outlet and whose main source of water is direct precipitation and runoff supplemented by groundwater. "Spring lakes" are lakes which have no inlet but do have an outlet and whose main source of water is groundwater flowing directly into the basin and from the immediate drainage area.*

Source: Wisconsin Department of Natural Resources and SEWRPC.