

## **Crooked Lake Eurasian watermilfoil timeline**

### **2002**

- July 2002. John Skogerboe (US Army Corp of Engineers) conducted a 100-meter grid survey of Crooked Lake, as part of a 16-lake survey in Watersmeet Township. "A very small infestation of Eurasian watermilfoil was found near the USFS boat ramp in the northern bay. Five individual plants were found at the site and removed by hand pulling. These samples were destroyed. Although the infestation was controlled, this site should be carefully monitored to ensure that hand-pulling efforts were effective. If more plants are found, the Eurasian watermilfoil should be controlled using aquatic herbicides to prevent spread by boat traffic and animals to other lakes near the SWA. Based on the MRD, Eurasian watermilfoil could become established in up to 69 percent of the lake, which would severely impact recreation and aesthetics and displace native submersed plant populations."

### **2003**

- July 23, 2003. FS snorkeled & hand-pulled EW milfoil.
- October 9, 2003. Aquatic Biologists, Inc. surveyed the north bay. EWM was only found near the boat landing, as in the 2002 survey. Herbicide treatment proposed.

### **2004**

- Monthly EWM surveys. Snorkeled 5-26, 6-4, 8-12, 9-2.
- July 23, 2004. 0.8 acre at boat launch treated with 8.2 gallons Renovate herbicide (triclopyr).
- September 10, 2004. 0.8 acre at boat launch treated with 120 pounds of Navigate herbicide (2,4-D).

### **2005**

- Watersmeet Township received a \$10,000 Pulling Together Initiative grant for AIS surveys.
- Monitoring by Watersmeet Township and USFS.
- Two EW milfoil found and hand-pulled.

### **2006**

- Continued monitoring by Watersmeet Township and USFS.
- One EW milfoil found and pulled.

### **2007**

- Continued monitoring by Lake Guards and USFS.
- Two EW milfoil found and hand-pulled.

### **2008**

- Continued monitoring by Lake Guards and USFS.
- Two EW milfoil found and hand-pulled.

### **2009**

- FS snorkel and canoe surveys on July 16 and August 24.
- Three sites found (two old sites, one new), 16 plants total, all snorkel-pulled.
- Whole lake survey August 26 & September 1.
- Concern about jump in abundance.



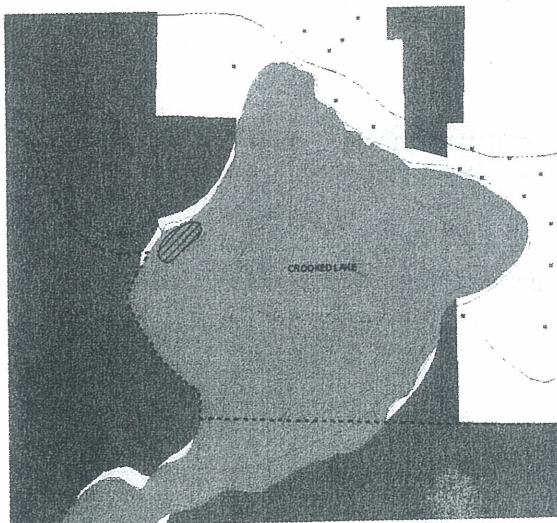
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## 2010

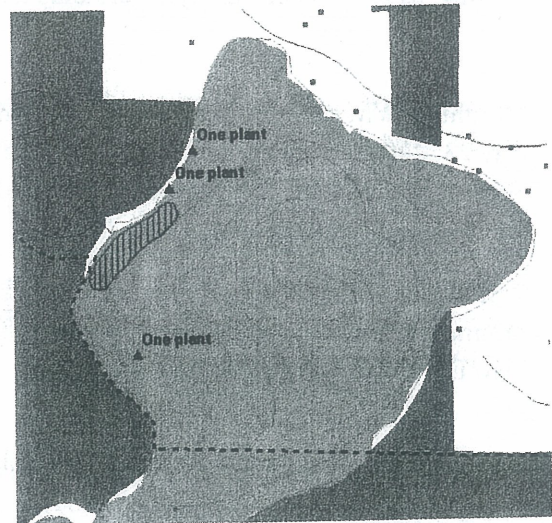
- August 3. FS survey and snorkel. Pulled 16 plants total, from same three sites as 2009.
- August 25. FS snorkel. Found & pulled 7 plants from two of the three spots.
- Bill Artwich surveyed north bay for Lake Guards, found one new plant.

## 2011

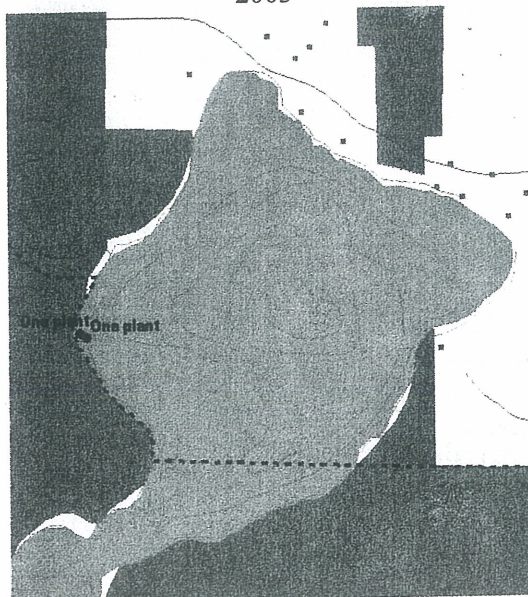
- 560 pounds of Navigate (2,4-D) applied on June 14, 2011 (DEQ Permit No. 11-98-1570-0)
- Marine Biochemists of Mequon, WI
- Forest Service snorkeled and hand-pulled four EW milfoil plants from the east end of the bay.
- July 20. Snorkeled the two buoys. Found none.
- August 3. Four snorkelers and two canoes found no EW milfoil in north bay.
- September. Bill Artwich & Barb Gajewski surveyed north bay for Lake Guards, found no EW milfoil (Gogebic RAC grant).



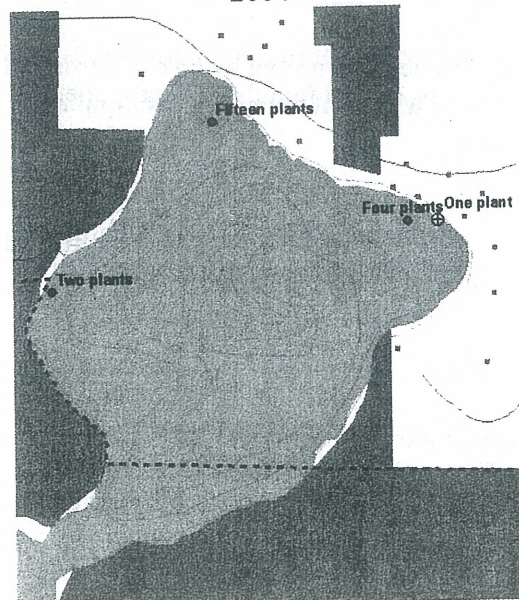
2003



2004



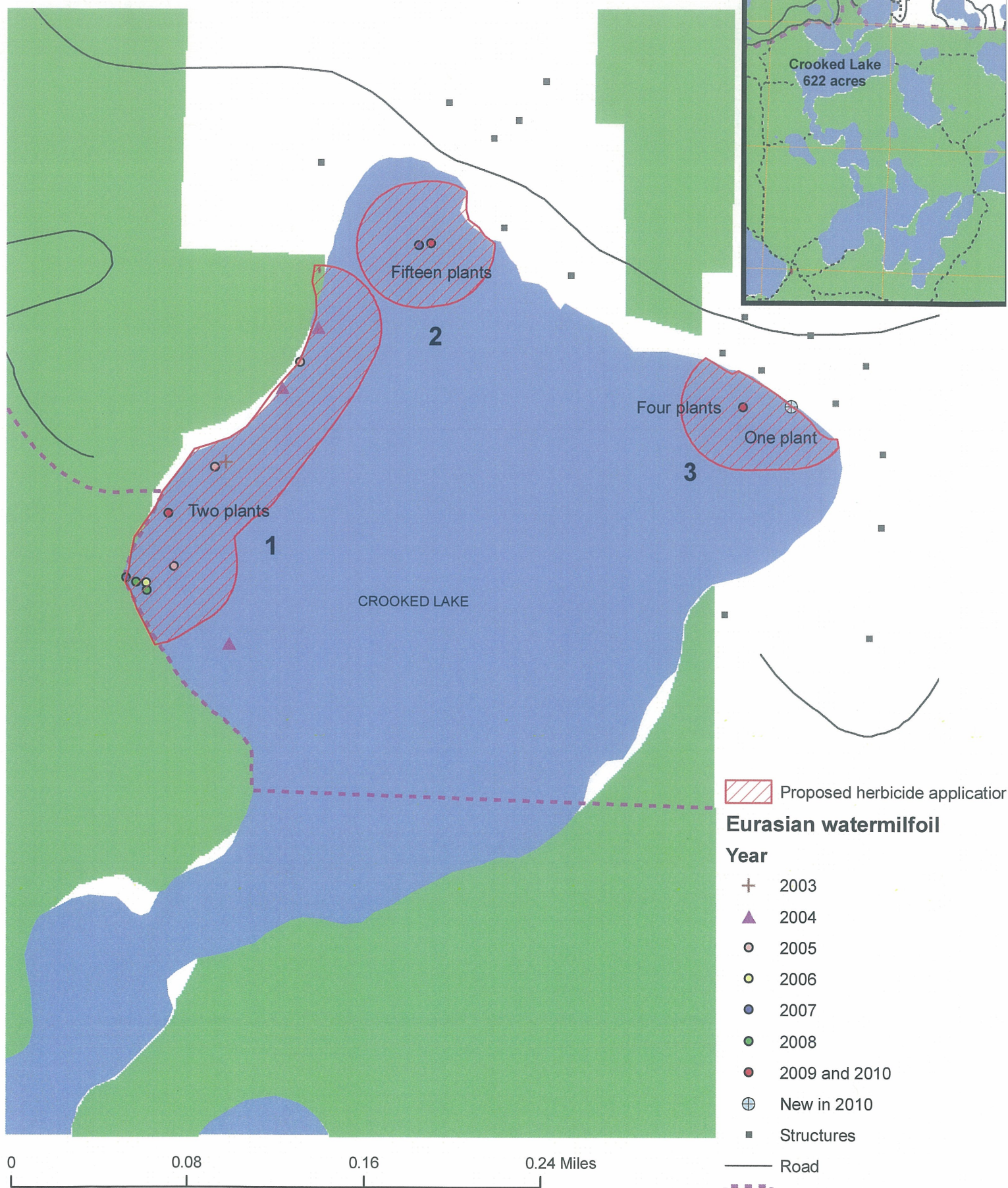
2008



2010



# Crooked Lake Eurasian watermilfoil



Eurasian watermilfoil was discovered in Crooked Lake in 2002, at the boat launch, by John Skogerboe (Army Corp of Engineers). In 2004 0.5 acre at the boat launch was treated with aquatic herbicide: triclopyr in July and 2,4-D in September. Plants have been hand-pulled by snorkelers every year since. Number of plants pulled in 2010 is indicated.