

# **EWM STATUS FOR CRESCENT LAKE**

**As of 7/31/2019**

**The following represents updates on status of EWM expansion and management activities for specific areas of Crescent Lake.**

On 7/31 Dick Lower and Terry Goldbach circled the entire lake to review the status of EWM on Crescent Lake. The following was prepared by Terry.

There are now very few shoreline areas where there is no or very limited EWM. Expansion and density have increased faster than anticipated.

See attached for specific areas:

A1. Wausau Bay: significant expansion, growth, and density since last year. Expansion occurring in the entire bay. DASH will not be effective in long run.

A2. Shallow water areas have significant expansion and surface matting. Hope to use Crescent Lake DASH boat here. DASH will not be effective in long run.

B. Lower/LaPorte/Hitchcock bay: significant expansion, growth, and density since last year. Homeowners in the area were not swimming in this area because of density and area expansion. Crescent Lake DASH boat used to open-up an area for swimming. DASH will not be effective in long run. DASH used last year with no positive impact for this year.

C. New area. Roughly 200' X 400'. Some high density within this area. Major skiing and boating area.

D. High density area by island. 200' X 200'. Put markers out around entire area. Very busy boat traffic area. Using Crescent Lake volunteer diving team. Critical area because of location. Straight out from boat landing. Just south of 2019 ProcellaCOR treatment area. Hope it does not compromise ProcellaCOR treatment. DASH will not be effective in long run.

E. Area just south of ProcellaCOR treatment area. Showing signs of expansion.

F. High density area. 200' X 500'. Homeowners in the area are not swimming in this area because of density and area expansion. Using Crescent Lake volunteer diving team.

G. Large, high density area. Expanding faster than anticipated. Very busy boat traffic area. DASH will not be effective in long run.

H. Expansion and density increase over last year. Very busy boat traffic area.

I. Expansion and density increase over last year.

J. Radke Bay: Expansion and density increase over last year. Expanding faster than anticipated. High concentration of Northern Milfoil. EWM density within Northern Milfoil expanding faster than anticipated. Areas of EWM matting and increasing in density. EWM and northern milfoil found 400 to 500 feet from shore. Popular area for boat traffic.

K. We are now seeing some EWM plants in this area. Using hand pulling at-this-time. We feel this area is being compromised by area J.

L. EWM spreading through the entire bay.

M. Showing signs of spreading and increasing in density.

N. Was treated with ProcellaCOR herbicide in June 2019. Results very positive. EWM is gone.

General observation: volunteer hand pullers who have been doing hand pulling for 3 years are finding EWM regularly now in 10 to 14 feet of water. As Dick and I toured the lake we found EWM in less than 12 inches of water depth out to 10 plus feet of water depth. We found locations where the EWM didn't start until the depth was 4 plus feet.

## **EWM Management Considerations For 2020**

**2019 ProcellaCOR herbicide application on north shore area of the lake was very effective.**

Areas A 1, A 2, B, C, D, F: 2020 Herbicide Treatment (ProcellaCOR). Would depend upon cost and permit approval.

Areas G, H: 2020 Herbicide Treatment (ProcellaCOR). Would depend upon cost and permit approval. Very active boating areas by property owners. Is a concern that this area could infect areas to the south.

Area J: expansion and density increase more than anticipated. This area has the potential to infect entire far southern area of lake. Management challenge because of native northern milfoil density. Hard to do hand pulling because of density of all plants. Use DASH boat for 2020 where feasible and do evaluation for 2021 management considerations. Herbicide Treatment (ProcellaCOR) may be the only successful method for management. This bay is rather shallow and could be a major problem for EWM expansion and density issues.

Area K: now finding EWM expansion to this area. Use hand harvesting. Concern is this area has been compromised by area J.