

**Project Name** | Kroon Lake Eurasian Watermilfoil Delineation

**Date** | 06/10/2023

**To / Contact info** | John Eret, Mark Wachter (Chisago-Lindstrom Lake Association)

**Cc / Contact info** |

**From / Contact info** | Jimmy Marty

**Regarding** | Kroon Lake Eurasian Watermilfoil Delineation Results

## 2023 Eurasian Watermilfoil Delineation

EOR completed a focused meander survey of Kroon Lake on June 8, 2023 in accordance with methods identified in the [MN DNR Guidance for Delineating Invasive Aquatic Plants](#). The purpose of the survey was to identify and delineate areas of concentrated Eurasian Watermilfoil (EWM) growth to prioritize treatment areas. The 2023 survey covered the entire littoral zone (area of plant growth) for the lake.

### Summary Data

- Survey Date: 6/8/2023
- 2023 Areas Delineated: 4
- 2023 Delineated Area Acres: 64.5
- Sample points collected: 279
- Weather conditions: Clear to partly cloudy, 65-80°F, E-SE wind 8 mph
- Water temperature: 78°F
- Secchi depth: 8.2 feet

### Results

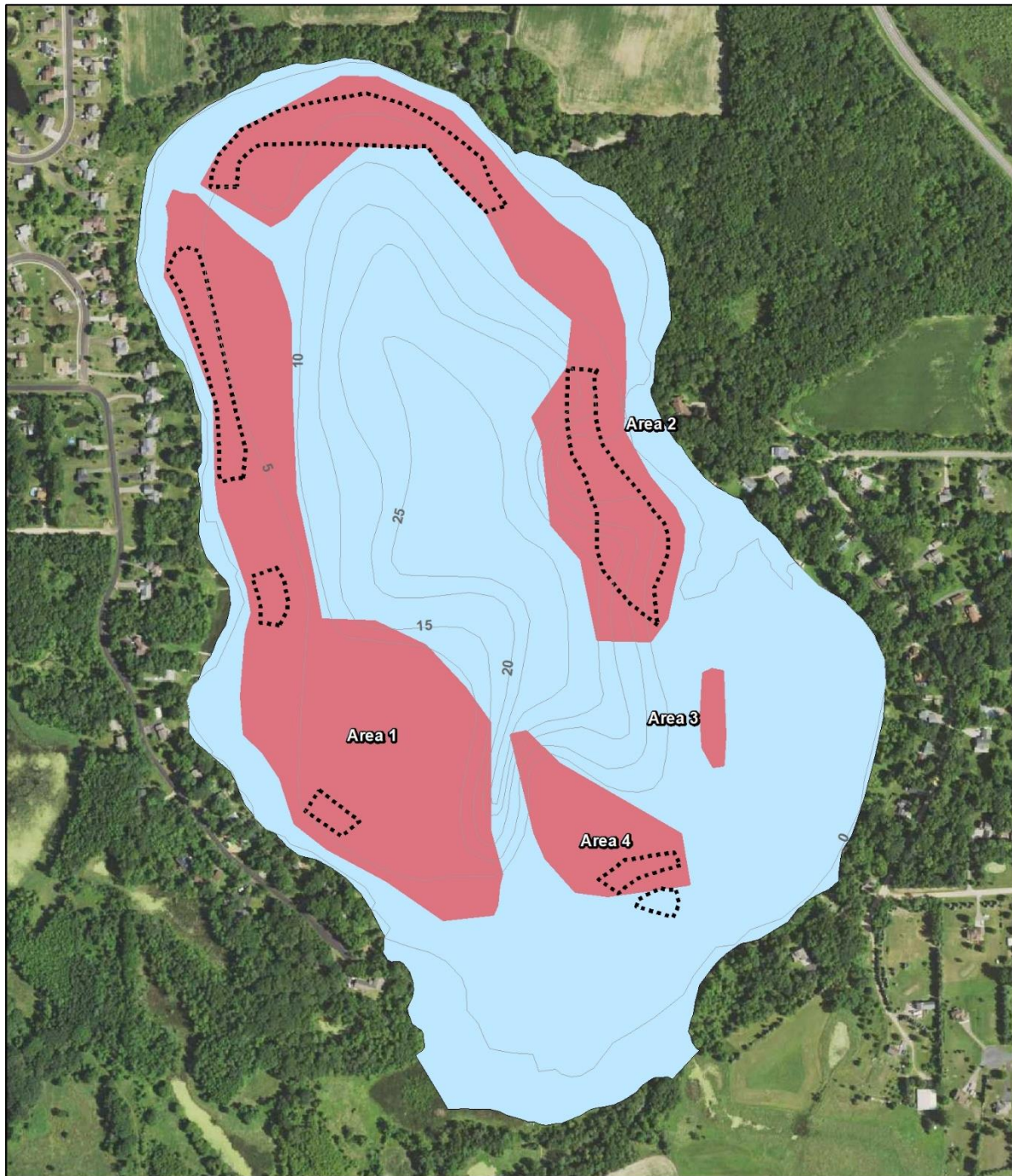
The 2023 survey included the entire littoral zone of the lake. Light (rake rating = 1), moderate (rake rating = 2), or heavy (rake rating = 3) growth was throughout the majority of the littoral zone. Many areas of dense growth were observed and were already mapping in depths of 5-6 feet. The total delineated area for 2023 is 64.5 acres. An overview of the 2023-delineated areas is provided in Figure 1, with densities displayed for each treatment area in Figures 2-5.

Several native species were also observed and included large-leaf pondweed, fern-leaf pondweed, clasping-leaf pondweed, and coontail White water lily was present near shore but was avoided for the delineation. Curly-leaf pondweed was also observed.

A summary of the delineated treatment area sizes and average depths is provided in Table 1.

**Table 1. Delineated treatment areas**

Area	Acres	Average Depth (ft)
Area 1	35.0	7.5
Area 2	22.9	7.3
Area 3	0.7	6.8
Area 4	5.9	7.4



⋯ 2022 Delineated Treatment Boundary  
■ 2023 Delineated Treatment Boundary



Feet  
0 250 500 750 1,000

**Kroon 2023 EWM Delineation  
Overview  
Survey Conducted 6/8/2023**

Figure 1. 2023 Kroon Lake EWM delineation areas.

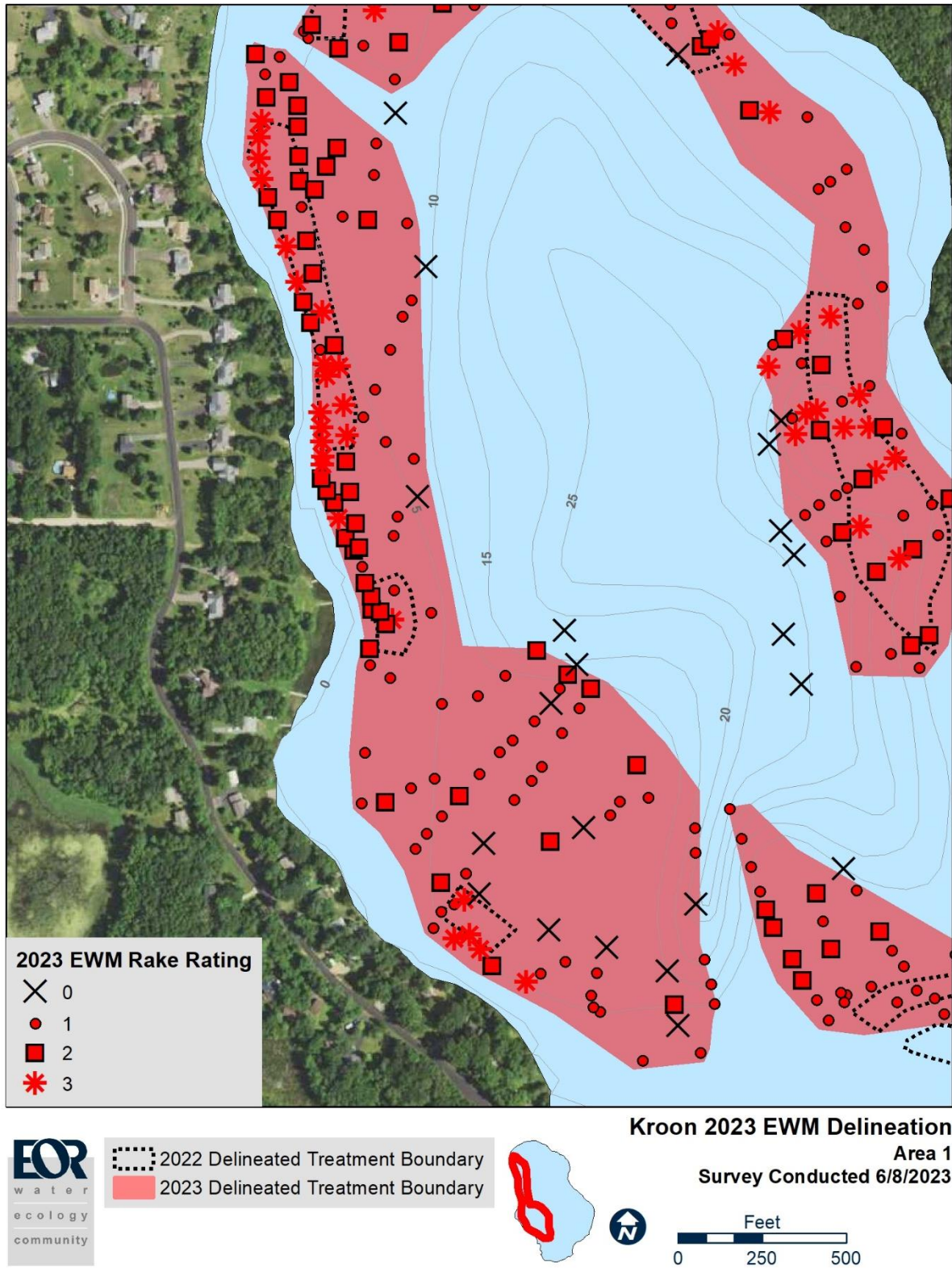


Figure 2. 2023 Kroon Lake treatment area 1.

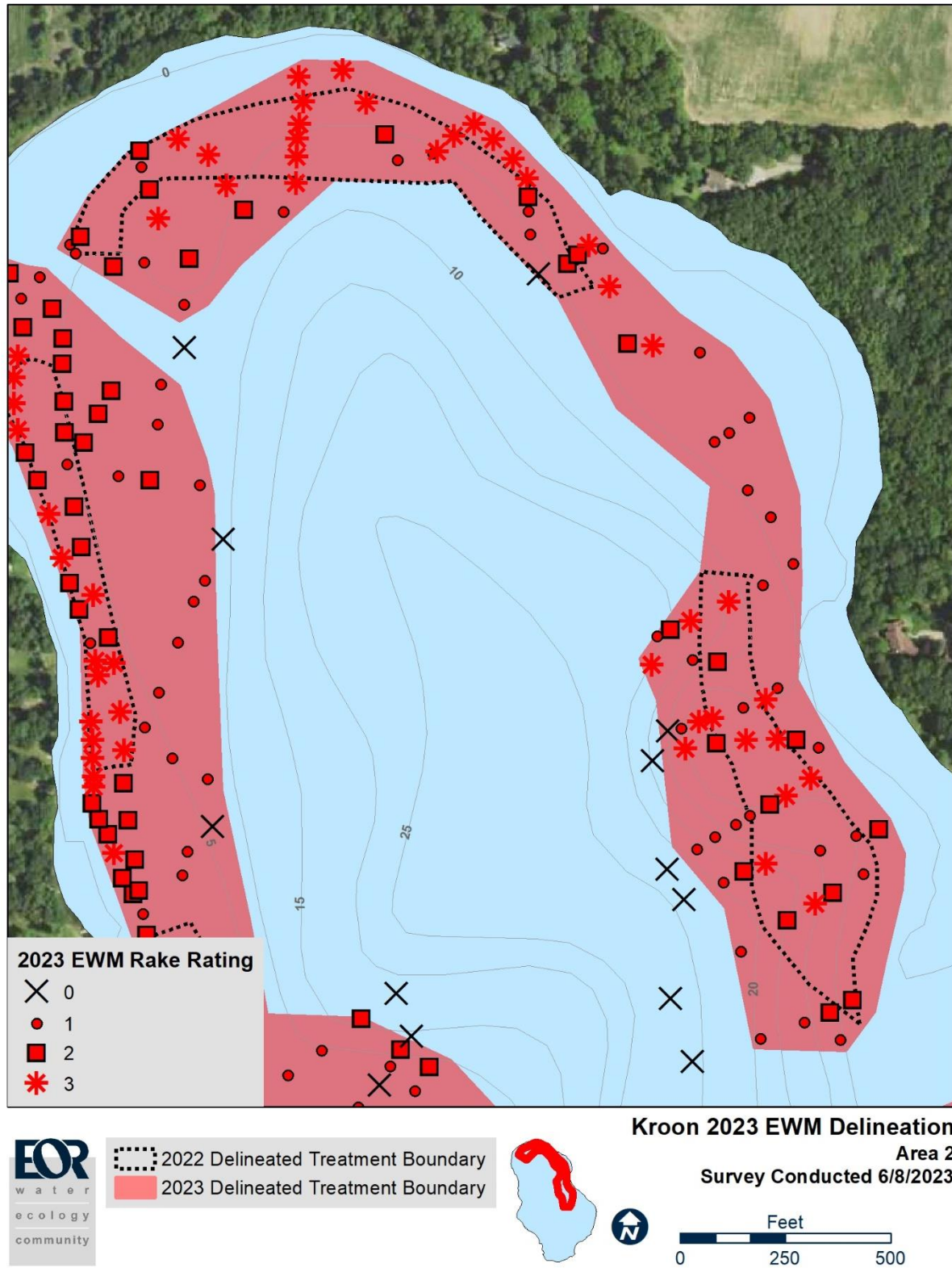


Figure 3. 2023 Kroon Lake treatment area 2.

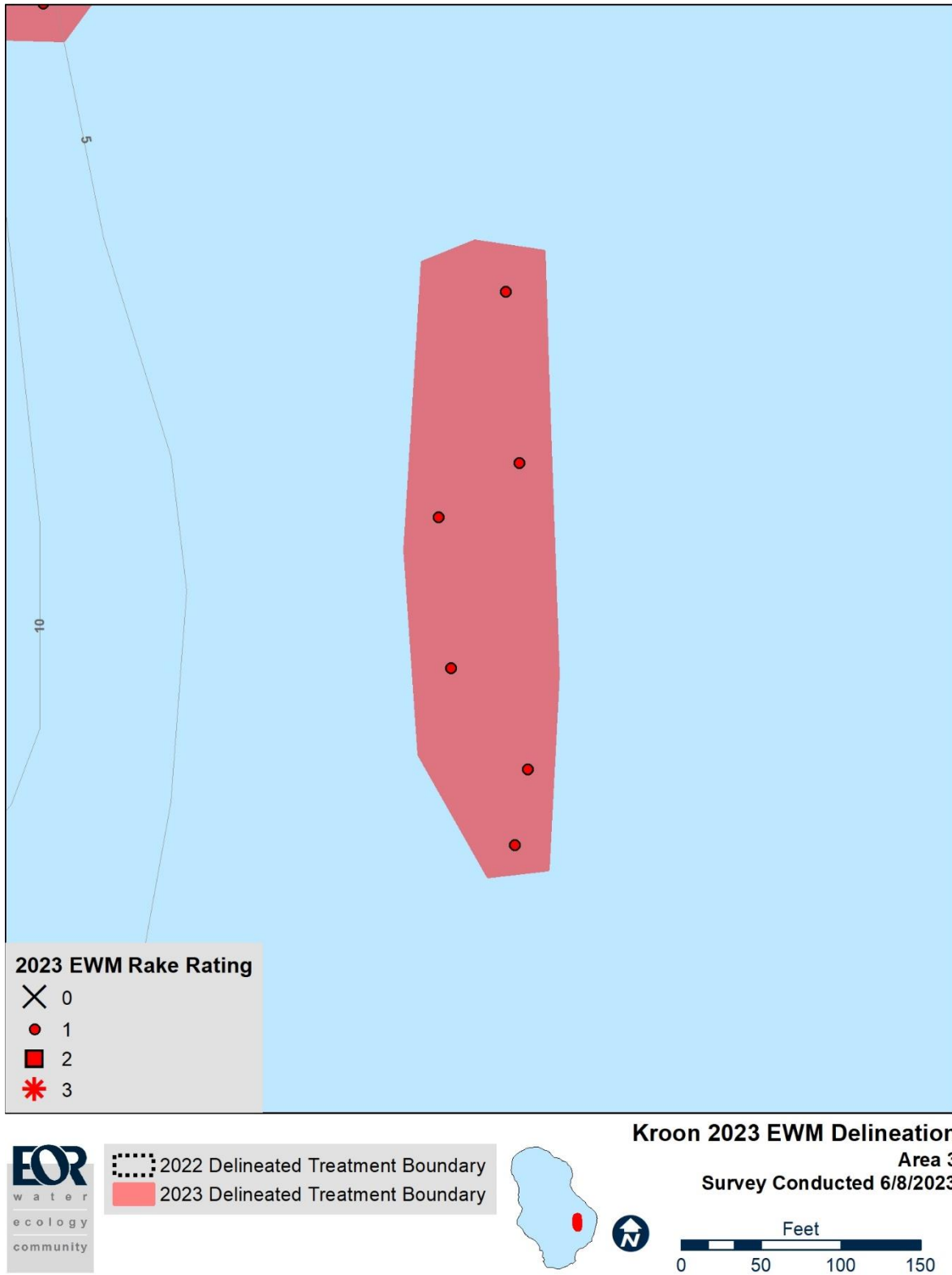


Figure 4. 2023 Kroon Lake treatment area 3.

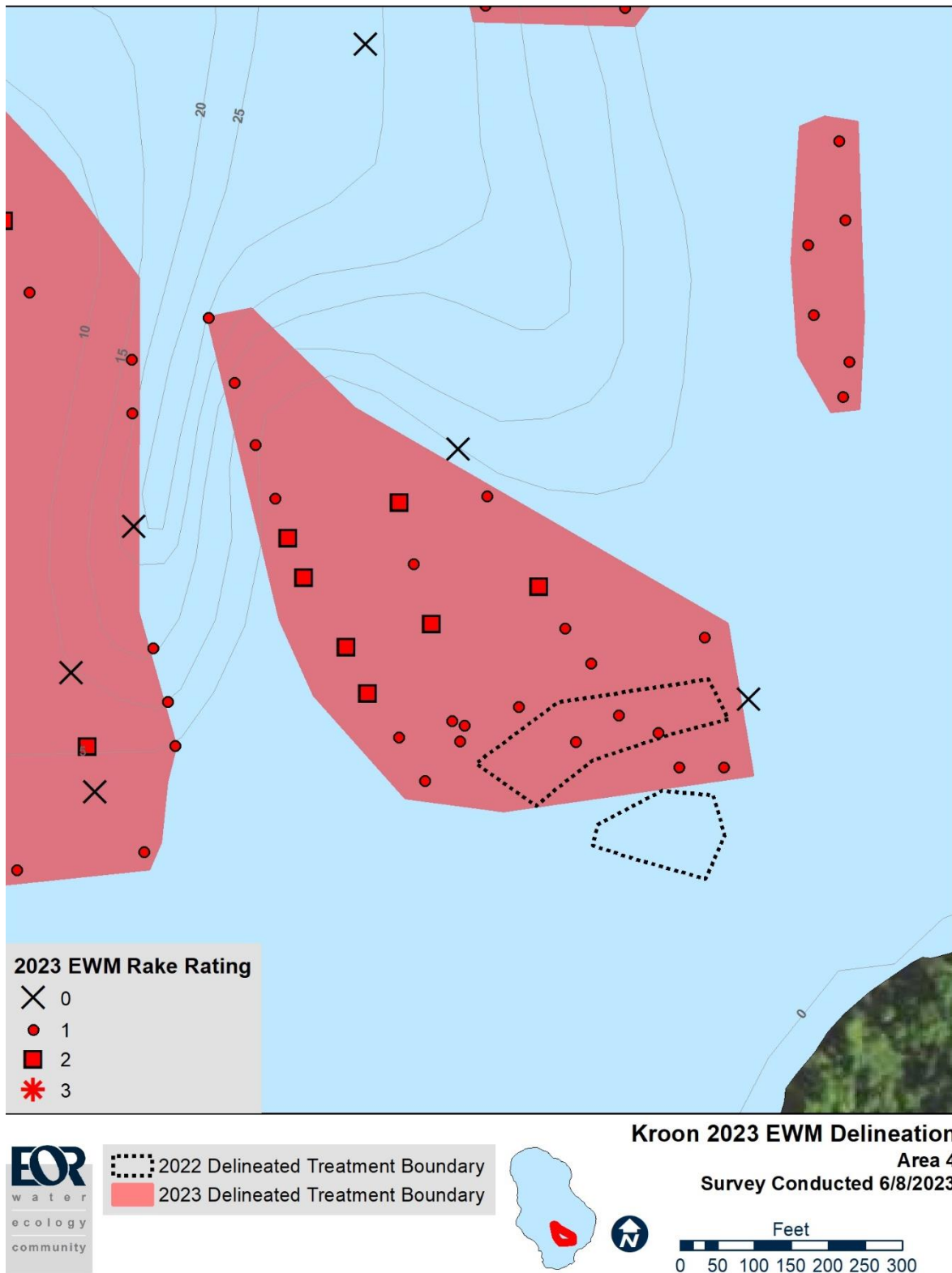


Figure 5. 2023 Kroon Lake treatment area 4.