**Aquatic Invasive Species Monitoring**

**Lotus Lake**

**Town of Osceola**

**Polk County, WI**

Report Date: 09/22/2020

End of Season Aquatic Invasive Species monitoring was held on two days, September 16 and September 22, 2020. A total of 4 sampling points were selected to represent 4 distinct areas of the lake as noted on the attached picture. A minimum of four throws of the sample rake was taken at sample points 1, 2 and 3. Due to the heavy cover of lily pads at sample point 4, use of the rake was problematic and only grab samples from the side of the kayak and direct observation of the water was conducted.

Sample point 1 was taken off a dock at a private residence. 09/16/2020

Sample point 2 was taken off a dock at a private residence. 09/16/2020

Sample point 3 was taken off the dock at the Polk County Park on Lotus Lake. 09/16/2020

Sample point 4 was taken in the lake at the mouth of the Horse Creek inlet to the lake. 09/22/2020

The delay in sampling Sample Point 4 was due to the very low level of the lake and the extreme preponderance of various lily pads. In the six days between 9/16/2020 and 09/22/2020 the die-off of lily pads was sufficient to allow a kayak in the area while a canoe would still not be able to enter.

No aquatic species were found in the lake but Purple Loosestrife was noted on the shoreline near Sample point 4 and had been observed in a number of locations around the lake prior to the sampling period. The DNR SWIMS Report can be found at the end of this report. The following chart outlines the findings of the sampling.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sample Point** | **Bottom Type** | **Water Plant Species Noted** | **Invasive Species Noted** |
|  |  |  |  |
| 1 | Muck | Lotus Lily | Purple Loosestrife is known to have been removed in late August from a number of locations on this side of the lake. |
|  |  | White Water Lily |
|  |  | Bullhead Pond Lily |
|  |  | Leafy Pondweed |
|  |  | Sago Pondweed |
|  |  | Coontail |  |
|  |  | Common Waterweed |  |
|  |  | Broad-leaf Cattail (new in last 2 years) |  |
|  |  | Filamentous algae |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Sample Point** | **Bottom Type** | **Water Plant Species Noted** | **Invasive Species Noted** |
|  |  |  |  |
| 2 | Sand | Lotus Lily | No invasive species noted |
|  |  | White Lily |  |
|  |  | Sago Pondweed |  |
|  |  | Floating Leaf Pondweed |  |
|  |  |  |  |
| 3 | Sand | Lotus Lily | No invasive species noted. |
|  |  | White Water Lily |  |
|  |  |  |  |
| 4 | Sand quickly changing to heavy muck as the creek channel widens | Lotus Lily | Purple Loosestrife |
|  | White Water Lily |  |
|  | Bullhead Pond Lily |  |
|  |  | Coontail |  |
|  |  | Native Phragmites |  |
|  |  | Heavy filamentous algae |  |
|  |  | Floating green algae |  |

**Lotus Lake AIS Sample Points**

**September 2020**



