



6/18/2015 Property 0200 south “before”



6/12/2017 Property 0200 south “after” 9/8/2016 spraying (photos above and below) – several smaller YFI plants remain though YFI has been largely eliminated.



6/12/2017 Property 0200 south “after” – much improved with some small plants remaining later treated by cut stump



6/25/2019 Property 0200 “after” spraying in 2016 and respray in 2017– YFI has been largely eliminated and remained so in 2020.

Minnesuing Creek Headwaters

Minnesuing Creek is the only outflow from Lake Minnesuing.



7/15/2016 Minnesuing Creek S side bridge abutment “before”



10/12/2016 Minnesuing Creek S side bridge abutment 34 days “after” spraying



6/12/2017 Minnesuing Creek S side bridge abutment 9 months “after” spraying



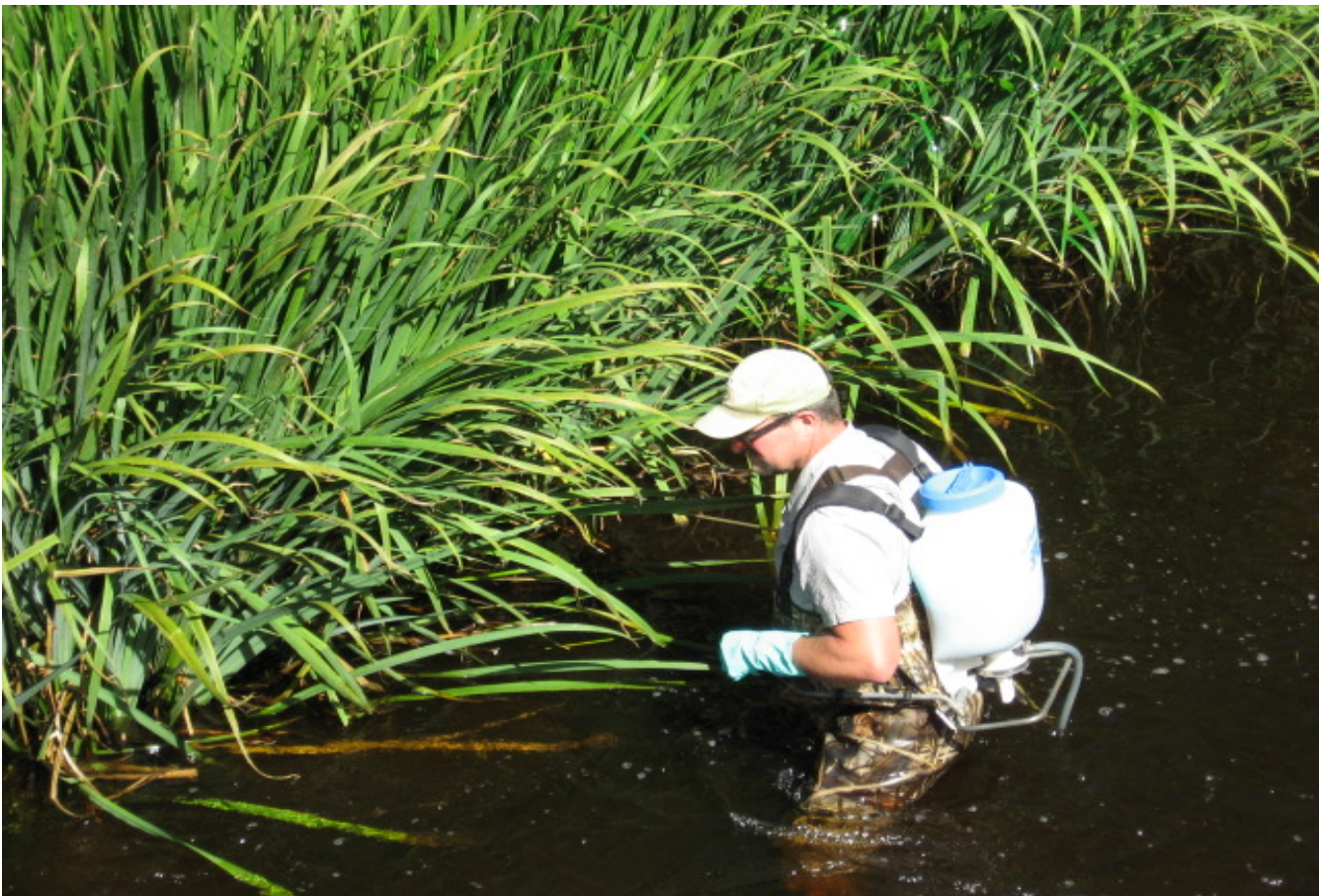
7/3/2020 Minnesuing Creek S side bridge abutment 4 years “after” spraying – native plants have regrown

The following series of photos is taken about 25 yards downstream from the mouth of Minnesuing Creek. During our initial annual assessment in 2015 both the north and south sides of the creek were heavily infested with dense stands of mature, prolifically flowering YFI for a length of about 40' on the north and 30' on the south. The north side is privately owned and the south side is owned by Douglas County.

As seed pods around the lake opened in the years prior to 2015, the seeds were carried by wind, waves, and current to lodge in the shore at the mouth of the lake outflow creek.

The north side property owner granted permission for herbicide spray treatment in 2016. Douglas County bans herbicide treatment on county property. The south side stand was simply too large for digging. Seed pods were cut.

As previously detailed in the 2018 yearly activity, LMSD applied for and received an exemption from Douglas County to allow spraying of the south side of the creek and that was completed 9/12/2018.



9/12/2016 Minnesuing Creek north side being sprayed



10/12/2016 Minnesuing Creek north side "after" – 34 days after spraying



6/12/2017 Minnesuing Creek north side "after" – the year after spraying



6/20/2019 Minnesuing Creek north side “after” – 3 years after spraying. Only 3 small YFI plants remain. Easy targets for cut stump or butcher knife digging treatment.



6/12/2017 Comparison - Minnesuing Creek south side not sprayed (Douglas County bans use of herbicides on county property). This is directly across the creek from the north side photos. The creek is about 15' wide.



9/12/2018 Minnesuing Creek south side being sprayed after exemption was received





6/20/2019 Minnesuing Creek south side – 9 months “after” spraying. Exemption approved by Douglas County. These re-emerging plants were cut stump treated 9/17/2019.

## Property 8900

This site had a very dense stand of YFI with an extremely robust rhizome base. Herbicide treatments occurred 3 times:

- 9/14/2016 wipe on glove
- 9/8/2017 spray retreatment
- 9/12/2018 spray retreatment

In retrospect, this property should have received a spray treatment initially rather than the initial wipe on glove treatment and then the final treatment in 2018 could very likely have been reduced to a more targeted cut stump treatment. The rhizome structure was just too dense for the initial wipe on treatment to be very successful.



6/22/2016 Property 8900 south side of old dock "before". Mature YFI with heavy rhizome structure



6/20/2017 Property 8900 south side of old dock "after" wipe on glove treatment 9/14/2016



9/8/2017 Property 8900 south side of old dock "prior" to spray retreatment this date



9/12/2018 Property 8900 south side of old dock prior to spray retreatment this date



7/2/2020 Property 8900 south side of old dock "after" final spraying 9/12/18, only inert rhizome clumps remain



6/22/2016 Property 8900 north side of old dock "before"



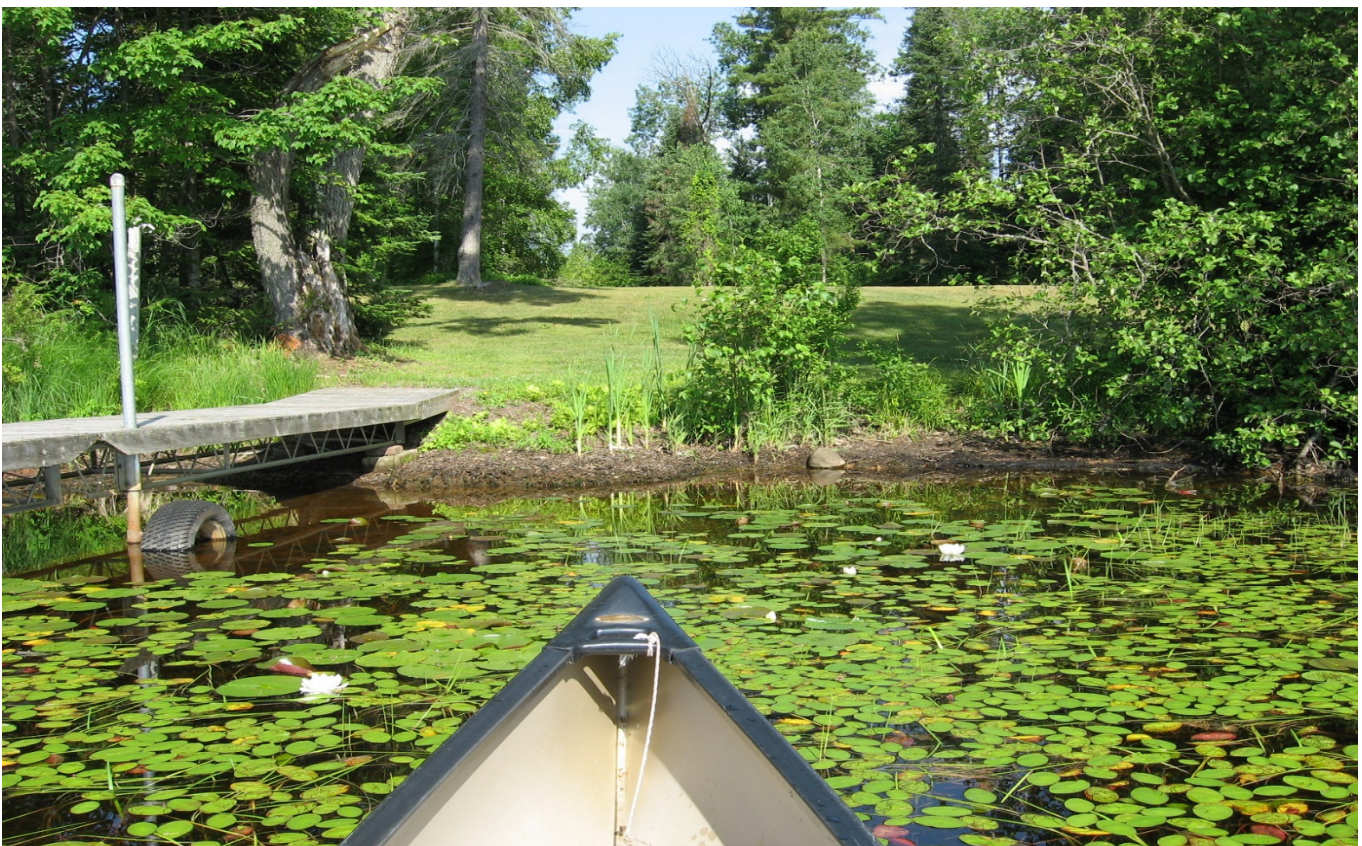
6/12/2017 Property 8900 north side of old dock "after" wipe on glove treatment 9/14/2016



9/8/2017 Property 8900 north side of old dock prior to spray retreatment this date. YFI was growing back after the wipe on glove treatment. Spray retreat this date.



9/12/2018 Property 8900 north side of old dock prior to further spray treatment this date. Small YFI was still emerging from the rhizome mass.



7/2/2020 Property 8900 north side of old dock "after" final spraying 9/12/2018. Plants just above bow of canoe are cattails. YFI is gone after multiple herbicide treatments.

Property 9200



6/18/2015 Property 9200 "before"



10/4/2016 Property 9200 "after" homeowner herbicide spraying



10/4/2016 Property 9200 “after” private herbicide spraying – YFI has been eradicated along with other vegetation



7/17/2017 Property 9200 Healthy Lakes restoration underway





7/30/2020 Property 9200 "after" homeowner spraying and 2017 Healthy Lakes restoration

Property 4400



6/20/2017 Property 4400 "before"



8/25/2017 property 4400 "before" – nearly 1000 square feet of mature YFI