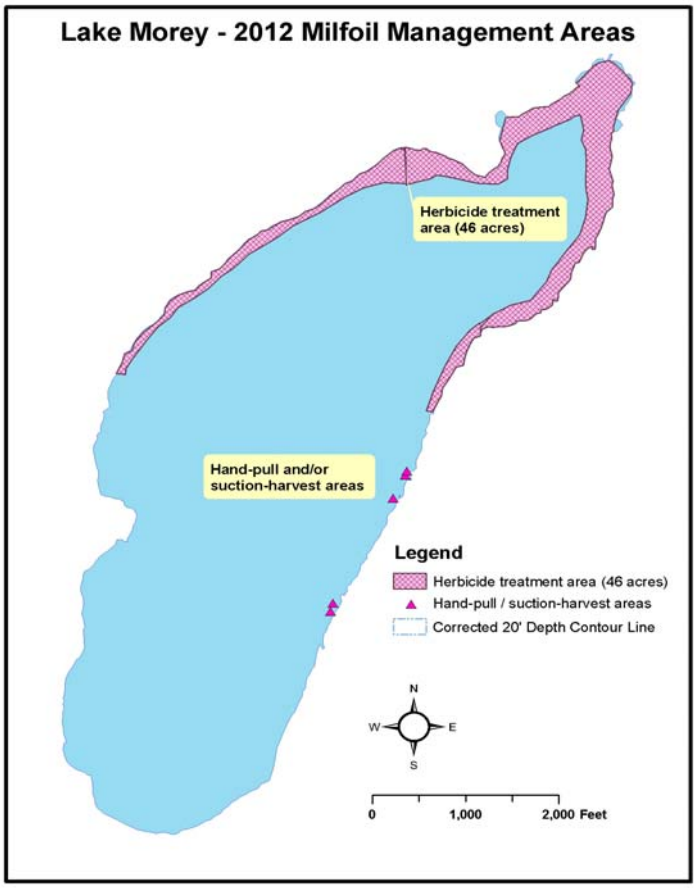
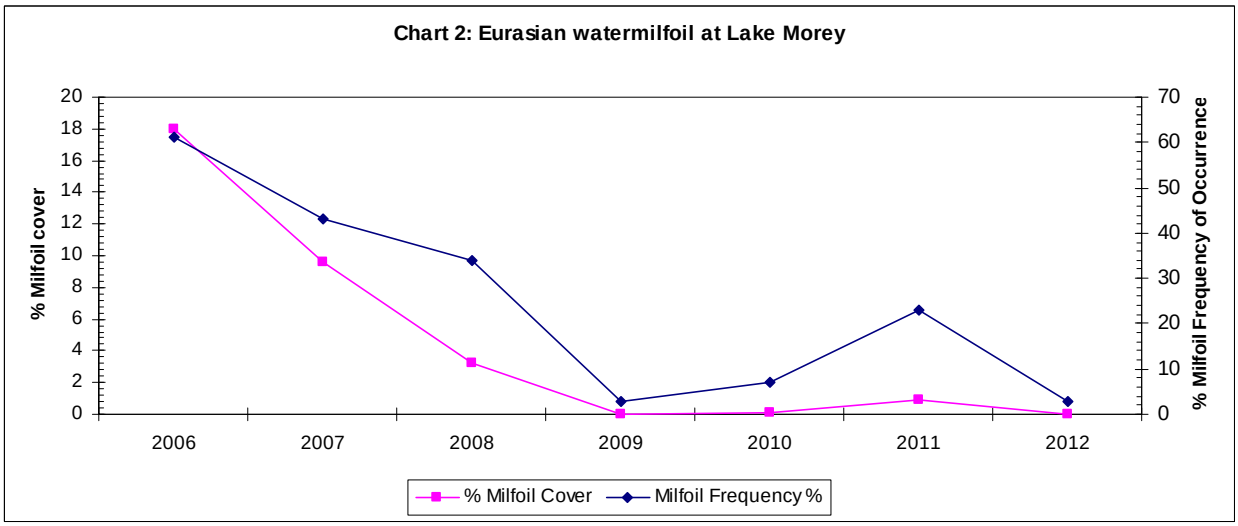
LAKE MOREY

Year	Treatment	Results/Discussion
2007	▪ 30 acres treated at north end with Renovate 3 (liquid) at 1.5 ppm on 6/24/07 ▪ 15 acres treated on east and west shores with Renovate OTF (granular) at 200 lbs/ac or 1.85 ppm in bottom 4 feet ▪ Hand-pulling and DASH performed	Good control achieved in north end; incomplete control seen along east and west shore attributed to insufficient herbicide concentration exposure time due to dilution and plant maturity at the time of treatment
2008	▪ 50 acres treated along east, west and south shores with Renovate OTF at 200 lbs/ac or 1.85 ppm in bottom 4 feet ▪ Hand-pulling and DASH performed	Treatment occurred early in growing season to avoid bass spawning period per the permit conditions; milfoil plants were initially suppressed, but there was considerably late season recovery; insufficient viable plant tissue for herbicide absorption at the time of treatment
2009	▪ 52 acres treated along east, west and south shores with Renovate OTF at 240 lbs/ac or 2.25 ppm in bottom 4 feet ▪ Hand-pulling and DASH performed	Nearly twice as much new milfoil tissue growth was evident at the time of treatment as compared to 2008. Nearly complete control of milfoil was achieved throughout treatment area.
2010	▪ No treatments performed ▪ Hand-pulling and DASH performed	Acceptable milfoil control maintained throughout summer growing season; some scattered regrowth seen in northern half of the lake
2011	▪ No treatments performed ▪ Hand-pulling and DASH performed	Acceptable milfoil control maintained for the majorty of summer growing season, but considerable late season milfoil recovery was observed in the north end





Species	Common Name	2006	2007	2008	2009	2010	2011	2012
Brasenia screberi	watershield	1%	0%	0%	0%	0%	0%	0%
Ceratophyllum demersum	coontail	38%	47%	43%	44%	46%	42%	47%
Chlorophyta	filamentous green algae	13%	23%	28%	18%	15%	16%	8%
Eleocharis sp.	spikerush (submersed)	3%	0%	1%	3%	0%	0%	1%
Elodea canadensis	elodea	10%	3%	1%	7%	13%	10%	12%
Isoetes spp.	quillwort	0%	0%	0%	0%	2%	1%	1%
Megalodonta beckii	water marigold	11%	19%	30%	24%	18%	20%	9%
Musci sp.	aquatic moss	5%	3%	3%	1%	1%	0%	0%
Myriophyllum spicatum	**Eurasian watermilfoil**	**61%**	**43%**	**34%**	**3%**	**7%**	**23%**	**3%**
Najas flexilis	bushy pondweed	30%	28%	28%	18%	25%	24%	14%
Nitella / Chara	macro-algae	6%	21%	21%	25%	27%	23%	22%
Nymphaea odorata	white waterlily	2%	3%	4%	3%	3%	4%	3%
Nymphoides cordata	floating-heart	1%	0%	0%	0%	0%	0%	0%
Potamogeton amplifolius	largeleaf pondweed	27%	23%	31%	21%	20%	29%	27%
Potamogeton gramineus	variable-leaf pondweed	14%	12%	16%	13%	9%	8%	8%
Potamogeton illinoensis	Illinois pondweed	1%	9%	20%	16%	18%	24%	32%
Potamogeton praelongus	Whitestem pondweed	9%	11%	23%	22%	11%	8%	11%
Potamogeton pusillus	small pondweed	6%	12%	3%	10%	10%	14%	1%
Potamogeton robbinsii	Robbins' pondweed	16%	28%	33%	31%	31%	41%	40%
Potamogeton zosteriformis	flat-stem pondweed	15%	5%	16%	14%	16%	17%	3%
Utricularia purpurea	purple bladderwort	1%	0%	0%	0%	0%	0%	1%
Vallisneria americana	wild celery	27%	22%	24%	12%	30%	32%	35%
Zosterella dubia	water stargrass	18%	28%	25%	9%	12%	14%	10%

RECOMMENDATIONS FOR 2013 SEASON

Milfoil management efforts performed at Lake Morey in 2012 were effective at reducing milfoil to the lowest levels documented since the current program was initiated in 2007. Still, there was late season recovery of milfoil seen at the northern end of the lake. Ongoing management will be required to maintain milfoil control and prevent further recovery. For the 2013 season, we would recommend the following management strategies be considered.

- Early summer visual inspection to evaluate milfoil recovery and routine monitoring throughout the summer by LMPA/LMC volunteers.
- Early summer diver hand-pulling and DASH effort targeting milfoil growth in the north end of the lake.
- If milfoil recovery is too extensive, install marker buoys around the dense growth and plan for a fall application of Renovate OTF or Renovate LZR herbicide. Based on the milfoil mapped in August 2012, we would expect that treatment of 7 acres (+/-) may be needed.
- Late summer diver hand-pulling and DASH effort targeting milfoil growth throughout the lake.
- Comprehensive late season aquatic plant survey