

2020 Update on Management of Westford's Ponds



Presented to:

Town of Westford

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Presented by:

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2020 Monitoring Program

- Fifth year of management at some of the ponds
- Early and late-season aquatic plants mapped at seven ponds
- Water quality measured at three locations in each of the seven ponds
- 2020 treatments conducted at:
 - Keyes Pond
 - Long Sought-for Pond
 - Nabnasset Lake

Keyes: Aquatic Plants

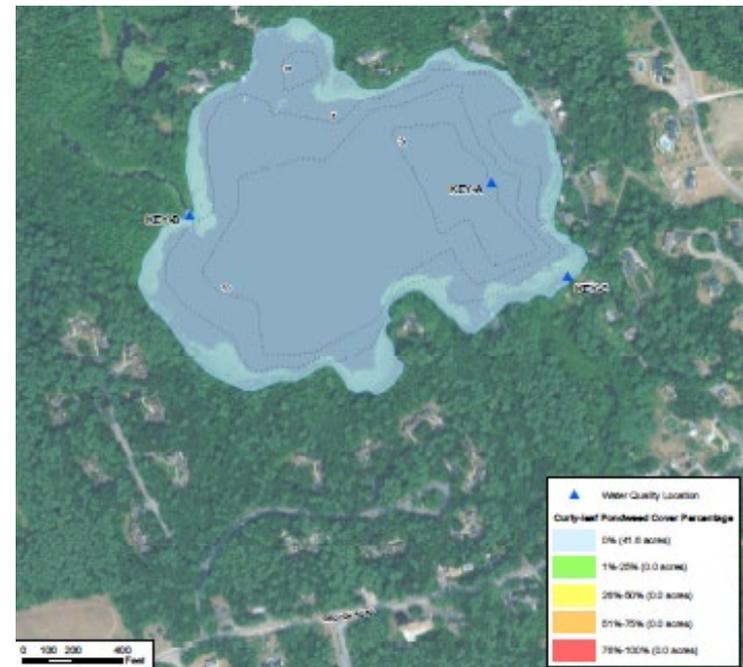
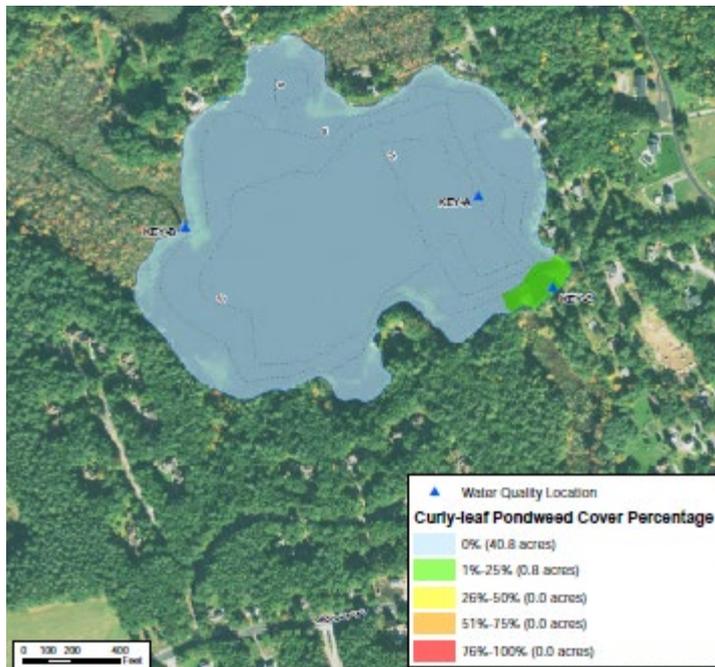
- Variable milfoil not observed 2020
- Curly-leaf pondweed present



Keyes: Curly-leaf Pondweed

2020 Pre-Treatment
 ~0.8 acres – same
 area but less cover
 than 2019

2020 Post-Treatment
 None observed



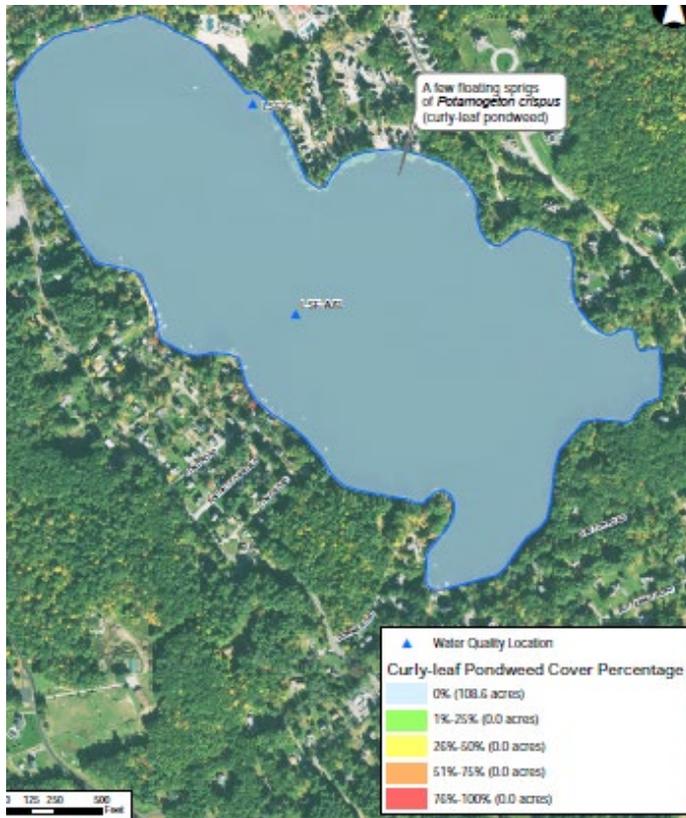
Long Sought-for: Aquatic Plants

- Eurasian milfoil not observed in 2020
- Curly-leaf pondweed present but not extensive
- Native thinleaf pondweed at nuisance levels

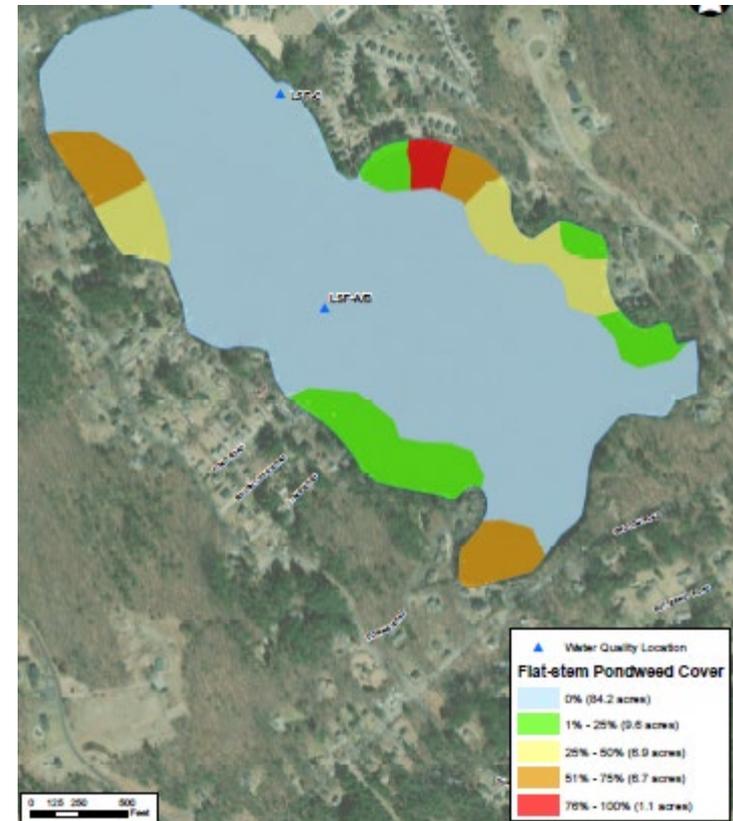


Long Sought-for: Curly-leaf Pondweed

2020 Pre-Treatment
Compare to ~7
acres in 2019



2020 Post-Treatment
None but thinleaf
pondweed present



Nabnasset: Aquatic Plants

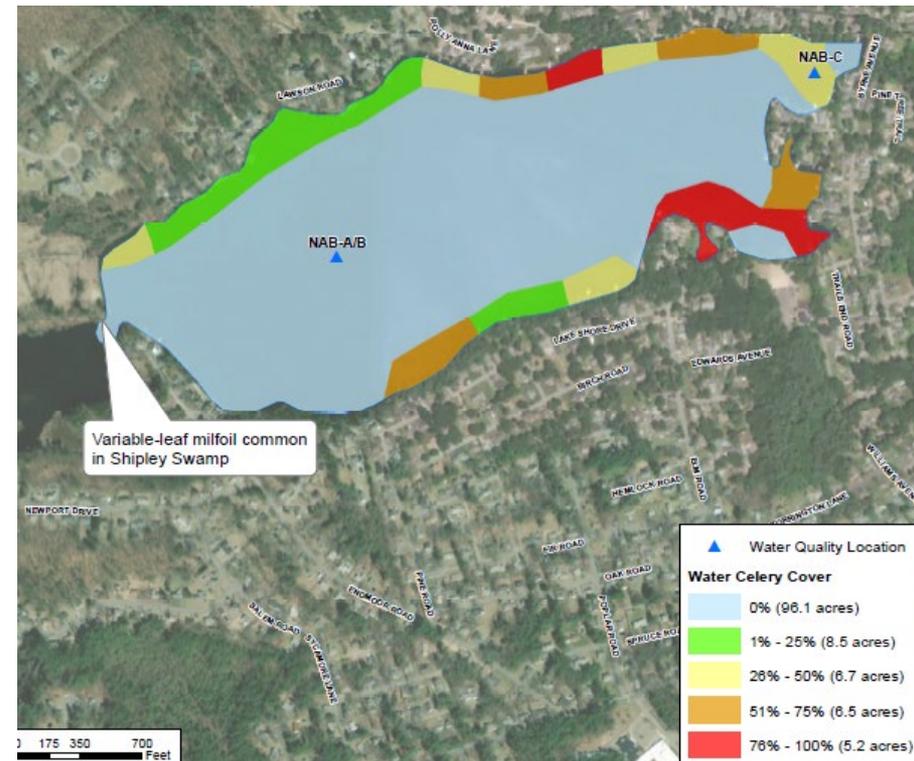
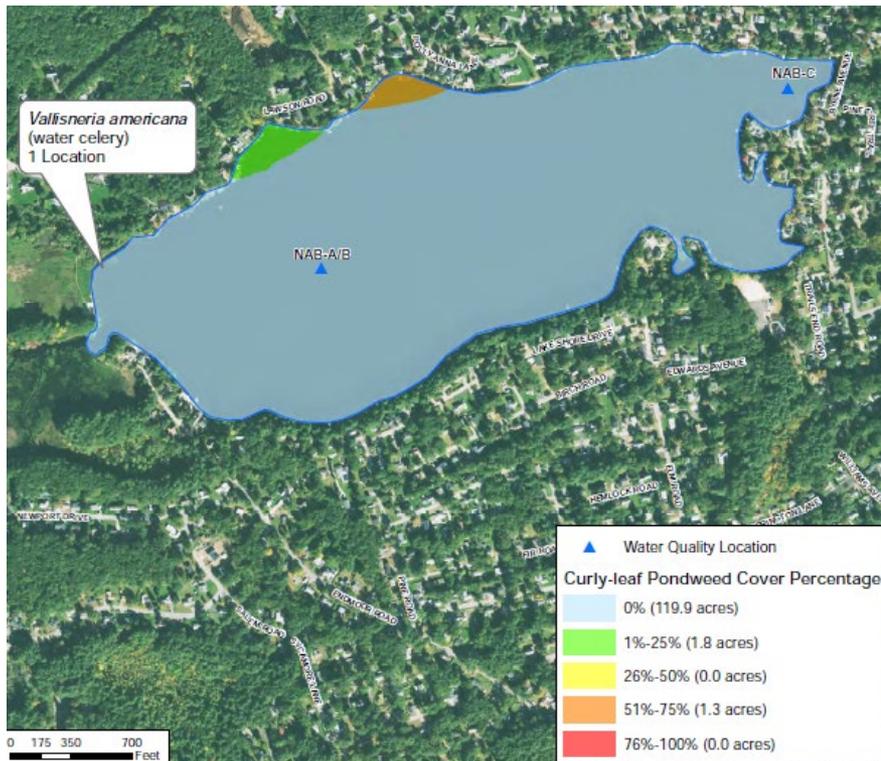
- Curly-leaf pondweed present and treated
- Variable-leaf milfoil present and possibly still expanding in Shipley Swamp but not observed in the lake
- Water celery (tapegrass) still abundant
- Brittle naiad was not observed this year



Nabnasset: Curly-leaf Pondweed

2020 Pre-Treatment
Slightly less
coverage than 2019

2020 Post-Treatment
None, but tapegrass
present



Forge: Aquatic Plants

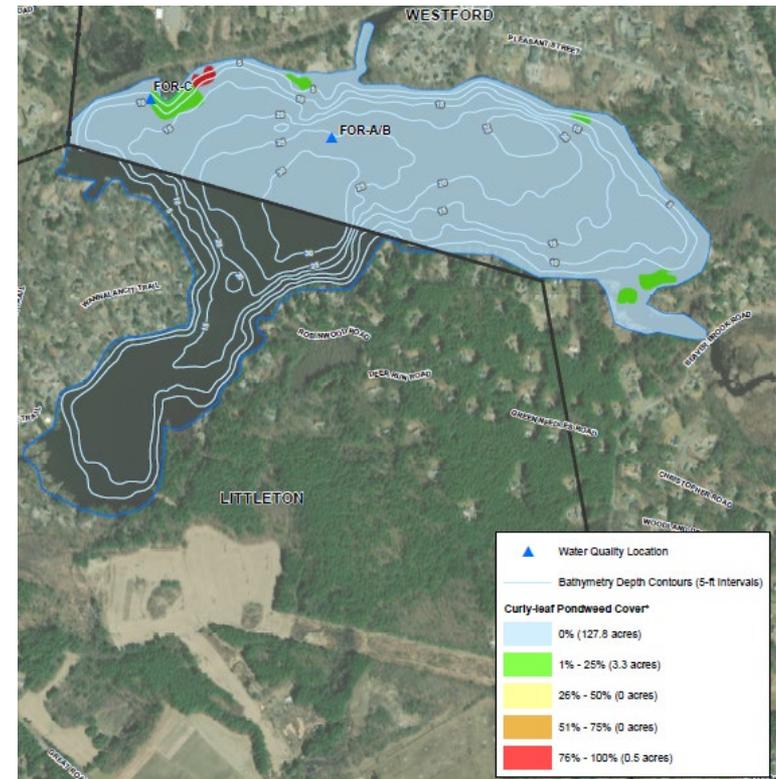
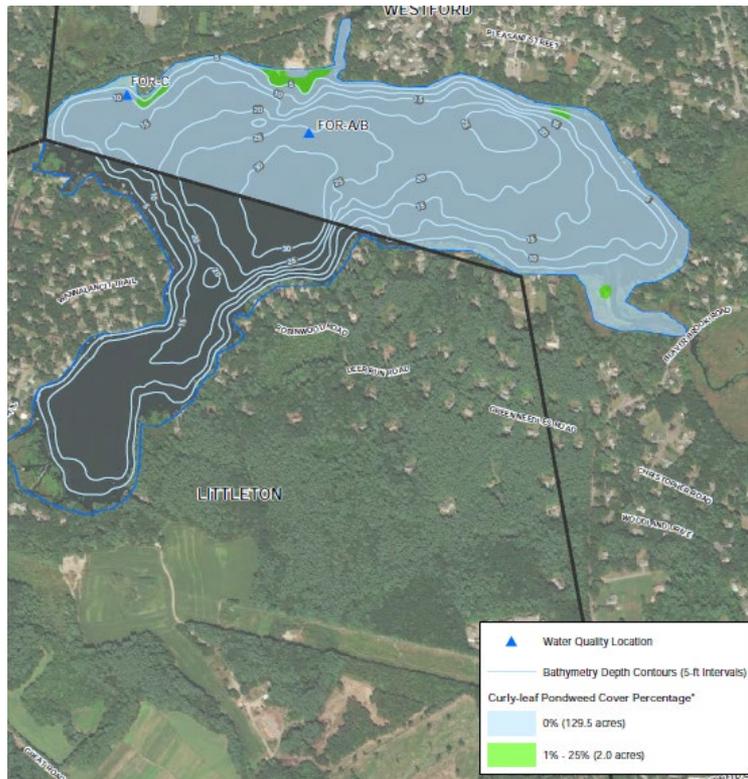
- Curly-leaf pondweed reduced early but present late season
- Fanwort decline from 2019
- Milfoils decline from 2019



Forge: Curly-leaf Pondweed

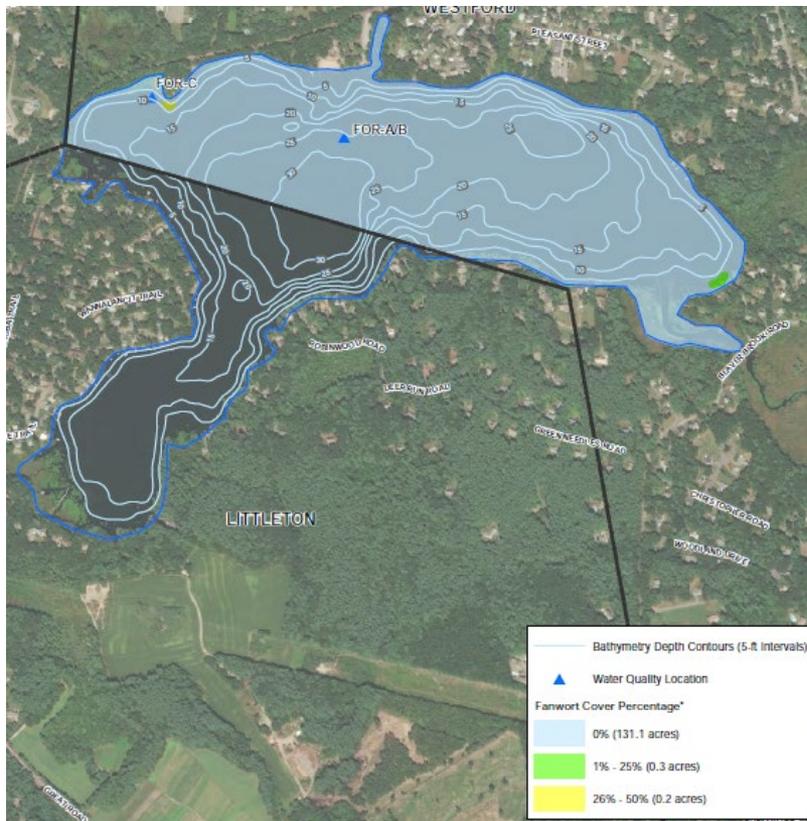
2020 Early Season
Compare to 6 acres
in 2019

2020 Late Season

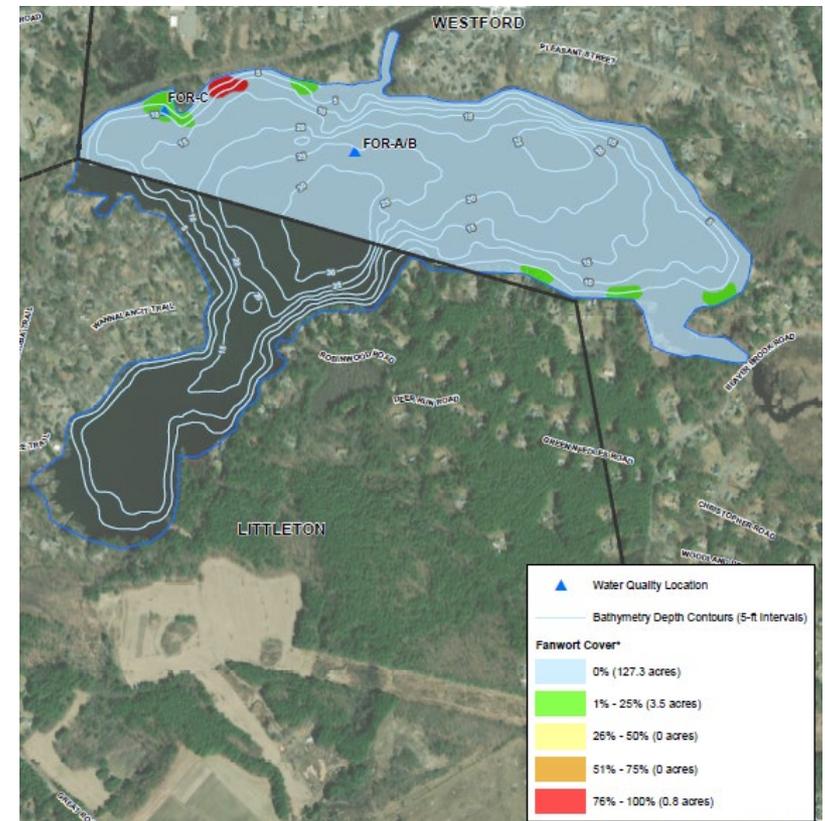


Forge: Fanwort

2020 Early Season
Compare to 1.4
acres 2019



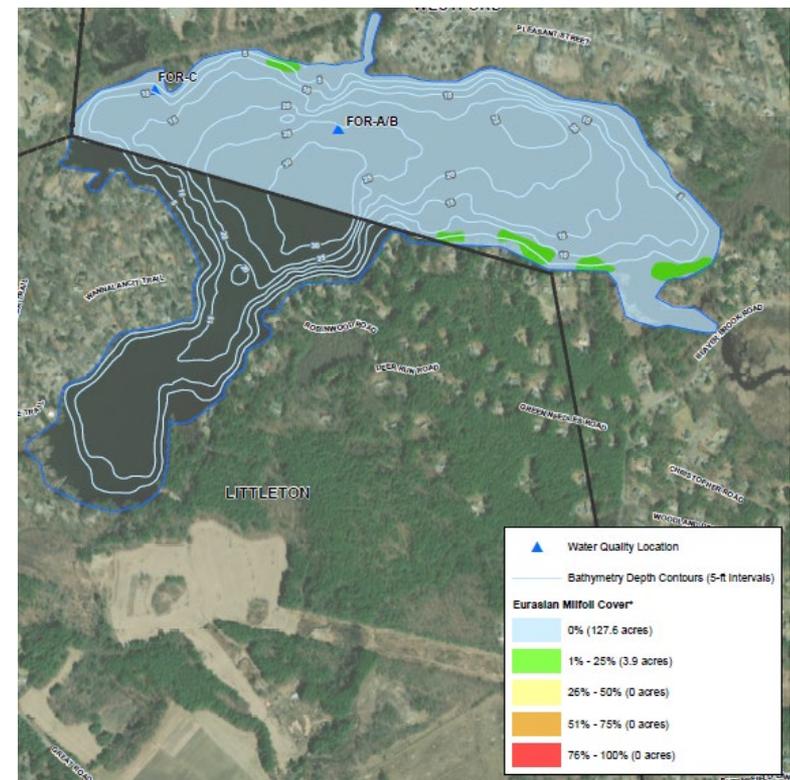
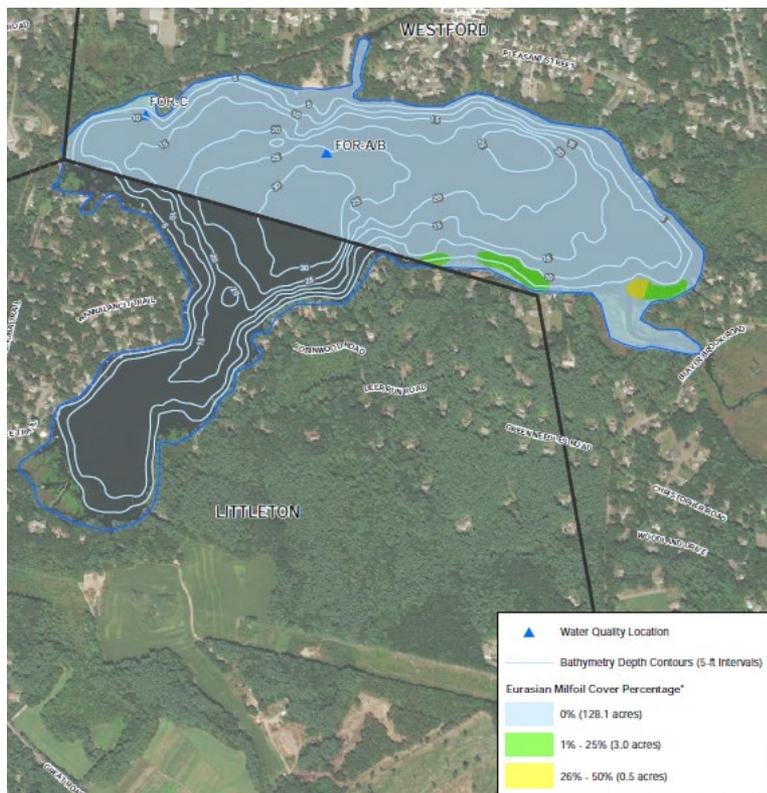
2020 Late Season
Compare to ~26 acres
2019



Forge: Eurasian Milfoil

2020 Early Season
Compare to ~12
acres 2019

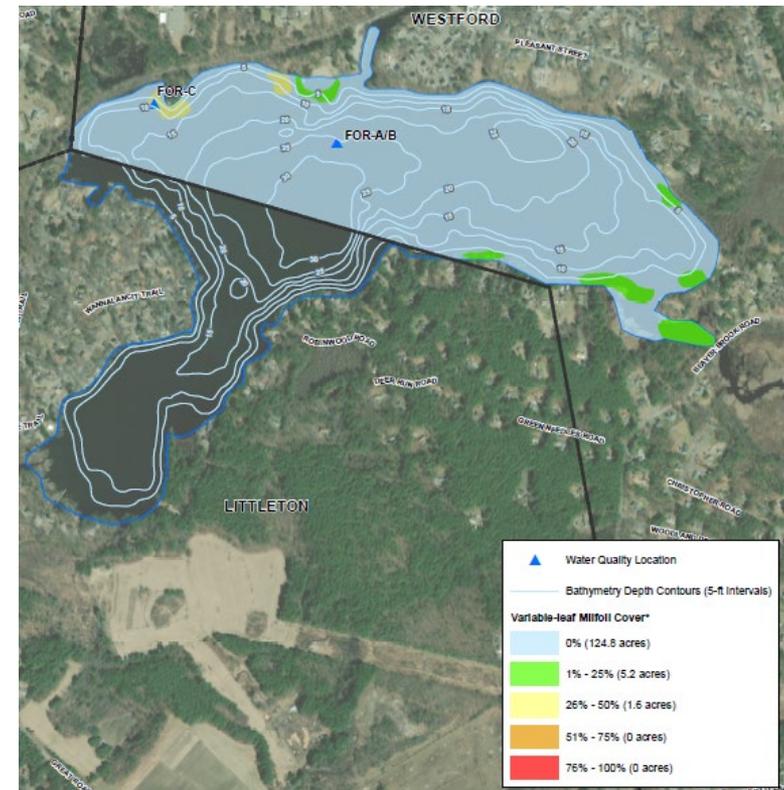
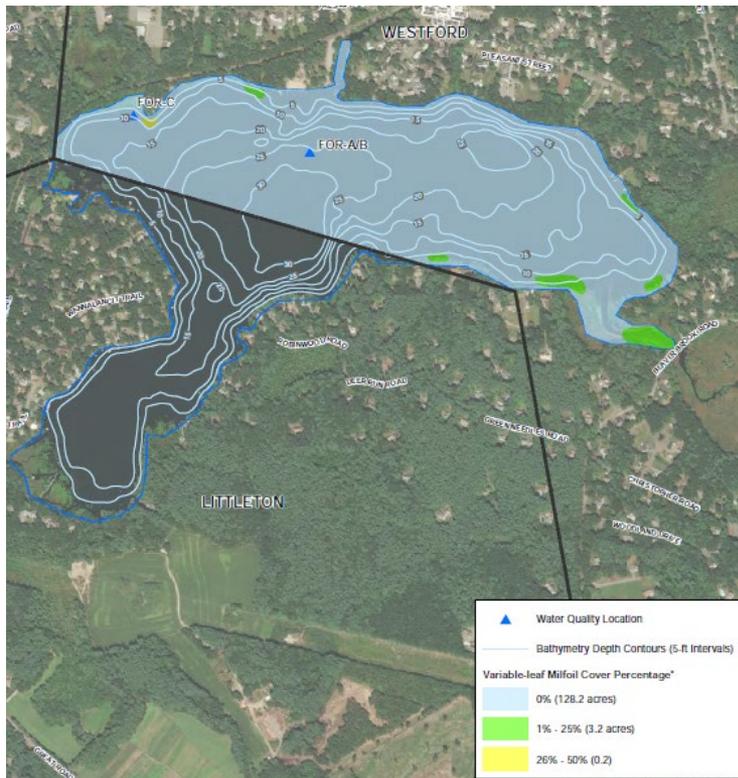
2020 Late Season
Compare to ~15 acres
in 2019



Forge: Variable-leaf Milfoil

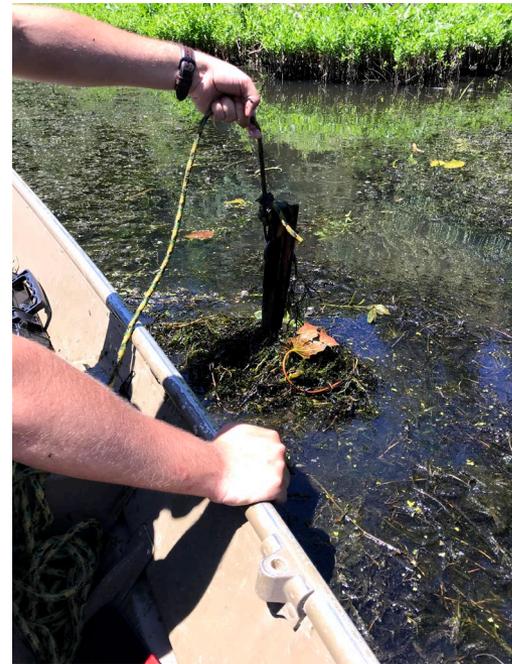
2020 Early Season
Compare to ~10
acres 2019

2020 Late Season
Compare to ~16 acres
2019



Old Mill & Graniteville: Aquatic Plants

- Variable milfoil, fanwort, & curly-leaf pondweed
- Curly-leaf dominates early, then replaced by fanwort and variable-leaf milfoil late



Burge's and Kennedy: Aquatic Plants

- No aquatic invasives (fourth season running at Burge's) but there are native milfoils present at Burge's
- Both harbor beneficial native plants that were not observed in Westford's other ponds



Thank you. Questions?

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