

## Minutes of Wayland SWQC 16 July, 2013 Meeting

### Prepared by Bob Goldsmith

Present: Bob Goldsmith, Lin Bradford, Mike Lowery, Tom Largy, Toni Moores

1. The meeting came to order at 7:30 PM.
2. Minutes of the previous meeting were approved 5-0.
3. Public Comment. None
4. Dudley Pond (milfoil control)
  - a. Triclopyr has been applied at the 2 ppm level, and the residual concentration is being monitored over time. Current level is about 60 ppb. Application detail is attached.
  - b. Milfoil infestation is very heavy, with about 45,000 plants pulled already this year.
  - c. Invoices of \$840 (Allison LeClair), Aquatic Vision – Ted Fiust) of \$4,697.50 and \$836.25 (Lee Junkin) were approved for hand pulling costs and support costs, vote of 5-0
  - d. Costs to date for Triclopyr treatment and hand pulling are ca. \$34,000. Estimated costs to complete the year are ca. \$13,000, for a total of ca. \$47,000. DPA will reimburse the Town for 25% of the costs.
  - e. The results of continuing coliform monitoring are shown in the attached graph, with comparison to the Town Beach..
  - f. The next meeting Tuesday, August 6<sup>th</sup>, will be held at Mike Lowery's home.
5. Heard Pond (water chestnut control).
  - a. Lycott will hand pull next week. Current water level is low.
6. North Pond.(milfoil control)
  - a. Per Lin's survey, visibility is very low and no plants have been seen. This is after DCR's diquat treatment.

The committee voted 5-0 to adjourn at about 8:30 PM.

**DATE                      DESCRIPTION                      QTY                      UNIT                      QTY                      UNIT**

**FACTORS**

	Pond Area	90.8	acres		
	Pond Volume	36,510,000	cu ft	1,033,846,368	L
	Pond Mean Depth	9.23	ft		
	Triclopyr Half Life	6 days			

**APPLICATION**

6/28/2013	Application Rate	215	lbs/acre		
	SePro SP Avg Depth	8	ft		
	Target Concentration	2.00	ppm		
	Treated Area	18.0774	acres		
	Treated Calc Volume	6,299,612	cu ft		
	triclopyr total	3,886.641	lbs		
		1,762,950	grams		
		97,522	grams/acre		

**CALCS**

	TreatVol/Pond Vol	0.172544847	(ratio)		
	Expected Whole Lake Initial Concentration	0.345089693	ppm		
	Treatment to Measure	11	days		
	Rough dilution from half-life	0.25	(ratio)		
	Expected whole Lake 7/9 concentration	0.0863	ppm		

**SePRO ACTUALS**

7/9/2013	Outlet	62.4	µg/L or ppb	0.0624	ppm
7/9/2013	Hole	77.9	µg/L or ppb	0.0779	ppm

Date	Dudley Pond MB Observed CFU/100ml	Town Beach max Observed CFU/100ml	MDPH Limit CFU/100ml	Notes
5/20/2013	0	5	235	
5/28/2013	5	5	235	
6/3/2013	244	10	235	DP aberation? - retest tomorrow
6/5/2013	136	10	235	retest for 6/3 (assume WTB is the same)
6/10/2013	5	108	235	
6/17/2013	120	5	235	
6/24/2013	64	5	235	
7/1/2013	85	5	235	Original value: 244 - WTB aberation - retested 7/3
7/8/2013	104	5	235	Original TWB value: 1420, retested 7/9 after water refreshed
7/15/2013	64	5	235	

