

**Long Trade Lake 2016 Preliminary CLP/EWM Treatment Proposal - Endothall and 2,4-D (04/02/2016)**

Treatment Site	Acreage	Mean Depth (feet)	Volume (acre-feet)	CLP - Endothall (Aquathol K)			EWM - 2,4-D (DMA 4)		
				Treatment a.i. ppm	Treatment application (gallons)	Application rate (gal/ac-ft)	Treatment a.i. ppm	Treatment application (gallons)	Application rate (gal/ac-ft)
1-16	2.26	4.0	9.04	2.0	12.0	1.33	3.0	19.26	2.13
2-16	0.70	4.0	2.80	2.0	3.7	1.33	3.0	5.96	2.13
3-16	3.14	4.0	12.56	2.0	16.7	1.33	3.0	26.75	2.13
4-16	0.78	4.0	3.12	2.0	4.1	1.33	3.0	6.65	2.13
5-16	4.58	4.0	18.32	2.0	24.4	1.33	3.0	39.02	2.13
6-16	0.39	3.0	1.17	NA	0.59 gal	0.5 gal/ac-ft	NA	0.59 gal	0.5 gal/ac-ft
<b>Total</b>	<b>11.85</b>		<b>47.01</b>		<b>61.0</b>			<b>97.6</b>	
				CLP Treatment (11.46 acres); early spring application			EWM Treatment (11.46 acres); early spring application		

EWM - diquat (Reward)	
Target diquat (Max Label Rate 2-gal/acre)	Application Rate 0.25-0.5 gal/acre-ft
0.59	0.5
Reward (liquid)	

Target endothall a.i. (ppm)	gal/ac-ft
0.75	0.45
1.00	0.60
1.50	1.00
2.00	1.33
2.50	1.67
3.00	2.00
4.00	2.60
Aquathol K (liquid)	

Target 2,4-D a.i (ppm)	gal/ac-ft
1.5	1.07
2	1.42
2.5	1.78
3	2.13
3.5	2.48
4	2.84
DMA 4 (liquid)	

Estimated Cost: Endothall and Diquat Treatment (original proposal)	
Suggested Treatment: Aquathol K (4.0 ppm) at \$110/gal x 119.2 gallons = \$13,112.00	<b>TOTAL \$13,262.00</b>
Reward (liquid) at \$150.00/gal x 1.0 gallons = \$150.00	

Estimated Cost: Endothall, 2,4-D, and Diquat Treatment (new proposal 4/2/2016)	
Suggested Treatment: Aquathol K (2.0 ppm) at \$110/gal x 47 gallons = \$5,170.00	<b>TOTAL \$9,240.00</b>
Reward (liquid) at \$150.00/gal x 1.0 gallons = \$150.00	
DMA 4 (3.0 ppm) at \$40.00/gallon x 98 gallons = \$3,920.00	