

2019 Red Lake EWM Chemical Treatment Proposal – LEAPS 4-10-2019

Red Lake 2019 EWM Treatment Proposal -granular & liquid 2,4-D (4-10-2019)										
Treatment Area Characteristics				Eurasian Watermilfoil	Sculpin G — granular 2,4-D			Shredder Amine 4 — liquid 2,4-D		
Treatment Location	Acreage	Mean Depth (feet)	Volume (acre-feet)	Target 2,4-D (ppm)	Application rate (lbs/ac-ft)	Application (lbs)	lbs per acre	Application rate (gal/ac-ft)	Application (gal)	gal per acre
RSTBAY-19	0.61	3	1.83	4.0				2.84	5.20	8.52
NEBASIN-19	0.69	6	4.14	4.0				2.84	11.76	17.04
BED7-19	0.21	9	1.89	4.0	65.4	123.61	588.6	NA		
BED5-19	0.1	9	0.90	4.0	65.4	58.86	588.6	NA		
	1.61						182.5			17.0
Herbicide		Cost/unit	Total	Estimated Cost						
Shredder Amine 4		\$40 gal	17 gal	\$680.00						
SculpinG (granular 2,4-D)		\$5 lb	182.5 lbs	\$912.50						
				\$1,592.50						
Total Treated Area = 1.61 acres										
Target 2,4-D a.i. (ppm)	Shredder Amine 4 (liquid) gal/ac-ft		Target 2,4-D a.i. (ppm)	Sculpin G (granular) lb/ac-ft						
1.50	1.07		1.0	16.4						
2.00	1.42		1.5	24.5						
2.50	1.78		2.0	32.7						
3.00	2.13		2.5	40.9						
3.50	2.49		3.0	49.1						
4.00	2.84		3.5	57.2						
			4.0	65.4						

Purple Beds – Proposed Treatment Areas

Yellow Dots – Fall 2018 Individual Plants

Tan Beds – Fall 2018 EWM Beds



