General Project Information

	ACEI18816				_						
Name:		EAGLE LAKE MANAGEMENT DISTRICT: Eagle Lake AIS Control Project 2016 Aquatic Invasives Grant									
Туре:	Aquatic Inva										
Subtype:		Aquatic Invasives Control									
Status:	COMPLETE	OMPLETE									
Start Date:	4/15/2016										
End Date:	12/31/2018										
Purpose:		The Eagle Lake Management District is sponsoring a project to conduct and evaluate a whole lake Eurasian Water Milfoil (EWM) treatment on Eagle Lake.									
							mical treatment, results of entering all data into SWIMS.				
	summer of 2					ing 2016; 2)Conduct a fu 7; 4)Conduct a general s					
	signatures s density map 20% freque species fou	Special Conditions: 1)All data shall be entered into the SWIMS database; 2) Volunteer lists, equipment use lists and signatures shall be maintained for reporting in kind volunteer labor and equipment. 3) Final report to include distribution and density maps for Eurasian water milfoil, curly leaf pondweed, sago pondweed, chara and other species found with at least 20% frequency of occurrence for each of the 2 years of plant survey data. 4) Final report to also include a table listing the species found in the lake in all years surveyed, including historical data, the frequency of occurrence and the relative density. 5) Final report evaluates the effectiveness of the treatment.									
	therein. Da	This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps, and digital images, must be submitted to the Department in a format specified by the regional Lake Biologist.									
	on report ac		making final pay	yment to the co	nsultant. DNI	R to receive both paper a	nator with a draft for comment and electronic .pdf copies of				
Objective:											
Comments:	Grantee is E	EAGLE LAKE M	ANAGEMENT D	DISTRICT							
Outcome:											
Study Design	:										
QA Measures	5:										
People											
Name		Role	Status	Start Date	End Date	Organization	Comments				
Aron, Kathy		TEAM_MEMBE	R ACTIVE	2/20/2017							
	anagement	GRANT_RECIP	PI ACTIVE	6/1/2016		Eagle Lake Management District					
Eagle Lake Ma District Project State	uses										

Action		Detailed Description		Start Date	End Date	Status
APM Chemica	I Permit Request	Chemical Permit Details		3/16/2016	10/1/2016	APPROVED
Details:	Parameter	Value/Amount	Units	Со	mments	
	APM Plan	N				
	APM Plan Agree	Ν				
	Advance Notification	Ν				
	Broad-leaved cattail (Typha latifolia)	Ν				
	Business Location License	N/A				
	CO - 15 days	Υ				
	CO – Date Sent	3/16/2016				
	CO-Date_Received	3/16/2016				
	CONTROL_INVASIVES	N				
	CONTROL_OTHER	Ν				
	Category 5 Certification Number	N/A				
	Chemical Permit ID	2699				
	Chemicals - Approved	Aquathol K, 2,4-D, Reward, Habitat, Tribune, Harvester, Harpoon, Cutrine Plus				
	Common arrowhead (Sagittaria latifolia)	Ν				
	Common reed (Phragmites australis)	Ν				
	Common waterweed (Elodea canadensis)	a N				
	Control - Algae	Υ				
	Control - Emergent water plants	Ν				
	Control - Floating water plan	ts N				
	Control - Nuissance algae	Υ				
	Control - PL	Ν				
	Control - Submerged water plants	Y				
	Coontail (Ceratophyllum demersum)	Ν				
	Curly-leaf pondweed (Potamogeton crispus)	Y				
	Entered in SharePoint	Ν				
	Estimated Acres	150				
	Eurasian water-milfoil (Myriophyllum spicatum)	Y				
	Expiration Date	10/1/2016				
	Fee	1270				
	Field - 15 days	Ν				
	Field Issued By	Craig_Helker				
	Filamentous Algae	Y				

Details:	Parameter	Value/Amount	Units	Co	mments	
	Improvement - swimming	Ν				
	Lake Surface Area					
	Large Duckweed (Spirodela polyrhiza)	Ν				
	Large Scale Treatment Form	Ν				
	Large-leaf pondweed (Potamogeton amplifolius)	Ν				
	Maintain navigational channe	el Y				
	Maintain private access - boating	Ν				
	Maintain private access - fishing	Ν				
	Muskgrasses (Chara)	Ν				
	NUISANCE_CAUSED_OTH	ER N				
	Native Plants	Ν				
	Next Steps	Sent to Craig				
	Payment Number	4716				
	Permit County	Racine				
	Permit End Year	2016				
	Permit Latitude	42.7072				
	Permit Longitude	-88.1377				
	Permit PLSS Section	20 03N20E				
	Permit Start Year	2016				
	Permit WBIC	759800				
	Permit Year	2016				
	Pithophora	Ν				
	Planktonic Algae	Ν				
	Private Pond	Ν				
	Purple loosestrife (Lythrum salicaria)	Ν				
	Sensitive Area	Ν				
	Softstem bulrush (Schoenoplectus tabernaemontani)	Ν				
	Sogo pondweed (Stuckenia pectinata)	Ν				
	TREATMENT_AREA	Eagle lake				
	Treatment Date	N				
	Treatment Date	Ν				
	Treatment Record - Receive	d N				
	Treatment Record - Scanned	i N				
	Waterbody Type	LAKE				
ant Awarded	t l	Grant ACEI18816 awarded	4/15	/2016	12/31/2018	COMPLETE
		Chemical treatment details	5/19		5/19/2016	COMPLETE

Details: I	Parameter	Value/Amount	Units	Comments
	Air Temperature	70		
	Air Temperature Units	F		
	Aqua-Pro Acres	0		
	Aqua-Pro Gallons	0		
	Aquaneat Acres	0		
	Aquaneat Gallons	0		
	Aquashade Acres	0		
1	Aquashade Pounds	0		
1	Aquastar Acres	0		
	Aquastar Gallons	0		
	Aquathol Acres	0		
	Aquathol Gallons	0		
/	Aquathol K Acres	0		
	Aquathol K Gallons	0		
	Aquathol Super K, # Acres	0		
/	Aquathol Super K, # Pounds	0		
	Aquathol, # Acres Gallons	0		
1	Aquathol, # Pounds	0		
	Avast Acres	0		
1	Avast Gallons	0		
	Broad-leaved cattail (Typha latifolia)	SP		
(Captain XTR, # Acres	0		
(Captain XTR, # Gallons	0		
(Clearcast Acres	0		
(Clearcast Gallons	0		
(Clearigate Acres	0		
(Clearigate Gallons	0		
(Contains Herbicide totals	Υ		
	Control Comments	Whole lake 2,4-D treatment		
(Coontail (Ceratophyllum demersum)	SP		
	Copper Acres	0		
(Copper Liquid, # Acres	0		
(Copper Liquid, # Gallons	0		
(Copper Pounds	0		
(Curly-leaf pondweed (Potamogeton crispus)	SP		
(Cutrine Acres	0		
(Cutrine Liquid Acres	0		
(Cutrine Liquid Gallons	0		
(Cutrine Plus Acres	0		

Details:	Parameter	Value/Amount	Units	Comments
	Cutrine Plus Liquid Acres	0		
	Cutrine Plus Liquid Gallons	0		
	Cutrine Plus Pounds	0		
	Cutrine Pounds	0		
	Cutrine Ultra Acres	0		
	Cutrine Ultra Gallons	0		
	DMA 4 IVM Acres	150		
	DMA 4 IVM Gallons	1025		
	Diquat Acres	0		
	Diquat Gallons	0		
	Diquat Liquid Acres	0		
	Diquat Pounds	0		
	Duration of Chemical Residualts	21 days		
	Endotholl Acres	0		
	Endotholl Liquid Acres	0		
	Endotholl Liquid Gallons	0		
	Endotholl Pounds	0		
	Eurasian water-milfoil (Myriophyllum spicatum)	TS		
	Filamentous Algae	SP		
	Floridone Acres	0		
	Floridone Gallons	0		
	Glyphosate Acres	0		
	Glyphosate Gallons	0		
	Glyphosate Liquid Acres	0		
	Glyphosate Pounds	0		
	Green Clean Acres	0		
	Green Clean Gallons	0		
	H2O2 Acres	0		
	H2O2 Pounds	0		
	Habitat Acres	0		
	Habitat Gallons	0		
	Harvester Acres	0		
	Harvester Gallons	0		
	Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
	Hydrothol Acres	0		
	Hydrothol Gallons	0		
	Imazapyr Acres	0		
	Imazapyr Gallons	0		

Details: F	Parameter	Value/Amount	Units	Comments
	Muskgrasses (Chara)	SP		
1	Nautique Acres	0		
1	Nautique Gallons	0		
1	Navigate Acres	0		
1	Navigate, # Pounds	0		
(Onsite Supervision	No		
F	Permit County	Racine		
F	Permit Year	2016		
F	Person Completing Form	Brian J Suffern		
F	Phycomycin Acres	0		
F	Phycomycin Pounds	0		
F	Planktonic Algae	SP		
F	Polaris Acres	0		
F	Polaris Gallons	0		
F	Refuge Acres	0		
F	Refuge Gallons	0		
F	Reward Acres	0		
F	Reward Gallons	0		
F	Reward Liquid Acres	0		
F	Reward Pounds	0		
F	Rodeo Acres	0		
F	Rodeo Gallons	0		
5	SCI-62 Acres	0		
5	SCI-62 Gallons	0		
5	Sculpin G Acres	0		
5	Sculpin G Pounds	0		
5	SeClear Acres	0		
5	SeClear Gallons	0		
5	ShoreKlear Acres	0		
ę	ShoreKlear Gallons	0		
s F	Sogo pondweed (Stuckenia pectinata)	SP		
S	Sonar AS Gallons	0		
S	Sonor AS Acres	0		
7	Touchdown Pro Acres	0		
1	Touchdown Pro Gallons	0		
7	Treatment Date	5/19/2016		
٦	Treatment End Time	15:00		
7	Treatment Start Time	8:00		
٦	Tribune Acres	0		
	Tribune Gallons	0		

Details:	Parameter	Value/Amoun	t	Units	Cor	nments	
	Vectobac Acres	0					
	Vectobac Gallons	0					
	Water Temperature	59					
	Water Temperature Units	F					
	Water Use Restriction - Ani Water	mal N					
	Water Use Restriction - Cro Irrigation	p N					
	Water Use Restriction - Drinking Water	Ν					
	Water Use Restriction - Fish Consumption	h N					
	Water Use Restriction - Nor	ne N					
	Water Use Restriction - Oth Irrigation	er N					
	Water Use Restriction - Swimming	Ν					
	White water lily (Nymphaea odorata)	SP					
	Wind Direction	SE					
	Wind Speed	5					
APM Chemica	I Permit Request	Chemical Permit D	etails		3/17/2017	10/1/2017	APPROVED
Details:	Parameter	Value/Amoun	t	Units	Cor	nments	
	APM Plan	Ν					
	APM Plan Agree	Ν					
	Advance Notification	Ν					
	Broad-leaved cattail (Typha latifolia)	N N					
	Business Location License	N/A					
	CO - 15 days	Ν					
	CO – Date Sent	3/17/2017					
	CO-Date_Received	3/17/2017					
	CONTROL_INVASIVES	Ν					
	CONTROL_OTHER	Ν					
	Category 5 Certification	N/A					
	Chemical Permit ID	4042					
	Chemicals - Approved	Aquathol K, 2, Habitat, Tribur					
	Common arrowhead (Sagittaria latifolia)	Ν					
	Common reed (Phragmites australis)	Ν					
	Common waterweed (Elode canadensis)	ea N					

Details:	Parameter	Value/Amount	Units	Comments
	Control - Algae	Y		
	Control - Emergent water plants	Ν		
	Control - Floating water plants	Ν		
	Control - Nuissance algae	Ν		
	Control - PL	Ν		
	Control - Submerged water plants	Y		
	Coontail (Ceratophyllum demersum)	Ν		
	Curly-leaf pondweed (Potamogeton crispus)	Y		
	Entered in SharePoint	Ν		
	Estimated Acres	154.96		
	Eurasian water-milfoil (Myriophyllum spicatum)	Y		
	Expiration Date	10/1/2017		
	Fee	1270		
	Field - 15 days	Ν		
	Field Issued By	Craig_Helker		
	Filamentous Algae	Y		
	Improvement - swimming	Ν		
	Lake Surface Area			
	Large Duckweed (Spirodela polyrhiza)	Ν		
	Large Scale Treatment Form	Ν		
	Large-leaf pondweed (Potamogeton amplifolius)	Ν		
	Maintain navigational channel	Y		
	Maintain private access - boating	Y		
	Maintain private access - fishing	Y		
	Muskgrasses (Chara)	Ν		
	NUISANCE_CAUSED_OTHER	Ν		
	Native Plants	Ν		
	Next Steps	Craig		
	Payment Number	4877		
	Permit County	Racine		
	Permit End Year	2017		
	Permit Latitude	42.7072		
	Permit Longitude	-88.1377		
	Permit PLSS Section	20 03N20E		
	Permit Start Year	2017		
	Permit WBIC	759800		

Details:	Parameter	Value/Amount	Units	Cor	nments	
	Permit Year	2017				
	Pithophora	Ν				
	Planktonic Algae	Y				
	Private Pond	Ν				
	Purple loosestrife (Lythrum salicaria)	Ν				
	Sensitive Area	Ν				
	Softstem bulrush (Schoenoplectus tabernaemontani)	Ν				
	Sogo pondweed (Stuckenia pectinata)	Ν				
	TREATMENT_AREA	Eagle Lake				
	Treatment Date	Ν				
	Treatment Date	Ν				
	Treatment Record - Receive	ed N				
	Treatment Record - Scanne	d N				
	Waterbody Type	LAKE				
PM Chemica	I Treatment Record	Chemical treatment details		5/22/2017	5/22/2017	COMPLETE
Details:	Parameter	Value/Amount	Units	Cor	nments	
	Air Temperature	67				
	Air Temperature Units	F				
	Aqua-Pro Acres	0				
	Aqua-Pro Gallons	0				
	Aquaneat Acres	0				
	Aquaneat Gallons	0				
	Aquashade Acres	0				
	Aquashade Pounds	0				
	Aquastar Acres	0				
	Aquastar Gallons	0				
	Aquathol Acres	0				
	Aquathol Gallons	0				
	Aquathol K Acres	0				
	Aquathol K Gallons	0				
	Aquathol Super K, # Acres	0				
	Aquathol Super K, # Pounds					
	Aquathol, # Acres Gallons	0				
	Aquathol, # Pounds	0				
	Avast Acres	0				
	Avast Gallons	0				
	Broad-leaved cattail (Typha latifolia)					
	Captain XTR, # Acres	0				

Details:	Parameter	Value/Amount	Units	Comments
	Captain XTR, # Gallons	0		
	Clearcast Acres	0		
	Clearcast Gallons	0		
	Clearigate Acres	0		
	Clearigate Gallons	0		
	Common waterweed (Elodea canadensis)	SP		
	Contains Herbicide totals	Υ		
	Coontail (Ceratophyllum demersum)	SP		
	Copper Acres	0		
	Copper Liquid, # Acres	0		
	Copper Liquid, # Gallons	0		
	Copper Pounds	0		
	Curly-leaf pondweed (Potamogeton crispus)	SP		
	Cutrine Acres	0		
	Cutrine Liquid Acres	0		
	Cutrine Liquid Gallons	0		
	Cutrine Plus Acres	0		
	Cutrine Plus Liquid Acres	0		
	Cutrine Plus Liquid Gallons	0		
	Cutrine Plus Pounds	0		
	Cutrine Pounds	0		
	Cutrine Ultra Acres	0		
	Cutrine Ultra Gallons	0		
	DMA 4 IVM Acres	35		
	DMA 4 IVM Gallons	199		
	Diquat Acres	0		
	Diquat Gallons	0		
	Diquat Liquid Acres	0		
	Diquat Pounds	0		
	Duration of Chemical Residualts	21 days		
	Endotholl Acres	0		
	Endotholl Liquid Acres	0		
	Endotholl Liquid Gallons	0		
	Endotholl Pounds	0		
	Eurasian water-milfoil (Myriophyllum spicatum)	TS		
	Filamentous Algae	SP		
	Floridone Acres	0		
	Floridone Gallons	0		

Details: Pa		Value/Amount	Units	Comments
	lyphosate Acres	0		
G	lyphosate Gallons	0		
G	lyphosate Liquid Acres	0		
G	lyphosate Pounds	0		
G	reen Clean Acres	0		
G	reen Clean Gallons	0		
H	2O2 Acres	0		
H	2O2 Pounds	0		
H	abitat Acres	0		
Ha	abitat Gallons	0		
Ha	arvester Acres	0		
Ha	arvester Gallons	0		
W Po	erbicide Treatment and /ater Use Restriction Signs osted in Accordance with NR 07?	Y		
H	ydrothol Acres	0		
H	ydrothol Gallons	0		
In	nazapyr Acres	0		
In	nazapyr Gallons	0		
М	luskgrasses (Chara)	SP		
N	autique Acres	0		
N	autique Gallons	0		
N	avigate Acres	0		
N	avigate, # Pounds	0		
0	nsite Supervision	No		
Pe	ermit County	Racine		
Pe	ermit Year	2017		
Pe	erson Completing Form	Brian Suffern		
PI	hycomycin Acres	0		
PI	hycomycin Pounds	0		
P	olaris Acres	0		
P	olaris Gallons	0		
R	efuge Acres	0		
R	efuge Gallons	0		
	eward Acres	0		
	eward Gallons	0		
	eward Liquid Acres	0		
	eward Pounds	0		
	odeo Acres	0		
	odeo Gallons	0		
	CI-62 Acres	0		

Details:	Parameter	Value/Amount	Units	Co	mments	
	SCI-62 Gallons	0				
	Sculpin G Acres	0				
	Sculpin G Pounds	0				
	SeClear Acres	0				
	SeClear Gallons	0				
	ShoreKlear Acres	0				
	ShoreKlear Gallons	0				
	Sogo pondweed (Stuckenia pectinata)	SP				
	Sonar AS Gallons	0				
	Sonor AS Acres	0				
	Touchdown Pro Acres	0				
	Touchdown Pro Gallons	0				
	Treatment Date	5/22/2017				
	Treatment End Time	16:00				
	Treatment Start Time	9:00				
	Tribune Acres	0				
	Tribune Gallons	0				
	Vectobac Acres	0				
	Vectobac Gallons	0				
	Water Temperature	72				
	Water Temperature Units	F				
	Water Use Restriction - Anin Water	nal N				
	Water Use Restriction - Crop Irrigation	D N				
	Water Use Restriction - Drinking Water	Ν				
	Water Use Restriction - Fish Consumption	Ν				
	Water Use Restriction - Non	e N				
	Water Use Restriction - Othe Irrigation	er N				
	Water Use Restriction - Swimming	Ν				
	Wind Direction	SWS				
	Wind Speed	10-15				
M Chemical	I Permit Request	Chemical Permit Details		3/16/2018	3/21/2018	APPROVED
Details:	Parameter	Value/Amount	Units	Со	mments	
	Broad-leaved cattail (Typha latifolia)	Ν				
	Business Location License	N/A				
	CO - # days	3				
	CO - 15 days	Y				

Details:	Parameter	Value/Amount	Units	Comments
	CO – Date Sent	3/21/2018		
	CO-Date_Received	3/16/2018		
	CONTROL_OTHER	Ν		
	Category 5 Certification Number	N/A		
	Chemical Permit ID	5721		
	Chemicals - Approved	Aquathol K, 2,4-D, Reward, Habitat, Tribune or Harvester Harpoon, Curtrine Plus, Hydrothol		
	Comments	N/A		
	Common arrowhead (Sagittaria latifolia)	Ν		
	Common reed (Phragmites australis)	Ν		
	Common waterweed (Elodea canadensis)	Ν		
	Control - Algae	Υ		
	Control - Emergent water plants	Ν		
	Control - Floating water plants	Ν		
	Control - Nuissance algae	Υ		
	Control - PL	Ν		
	Control - Submerged water plants	Y		
	Coontail (Ceratophyllum demersum)	Ν		
	Curly-leaf pondweed (Potamogeton crispus)	Y		
	Entered in SharePoint	Y		
	Estimated Acres	154.96		
	Eurasian water-milfoil (Myriophyllum spicatum)	Y		
	Fee	1270		
	Field - # days	Υ		
	Field Issued By	Craig_Helker		
	Filamentous Algae	Y		
	Improvement - swimming	Ν		
	Lake Surface Area			
	Large Duckweed (Spirodela polyrhiza)	Ν		
	Large Scale Treatment Form	Ν		
	Large-leaf pondweed (Potamogeton amplifolius)	Ν		
	Maintain navigational channel	Υ		
	Maintain private access - boating	Y		
	Joanny			

Details:	Parameter	Value/Amount	Units	Com	ments
	Maintain private access - fishing	Y			
	Muskgrasses (Chara)	Ν			
	NUISANCE_CAUSED_OTHER	Ν			
	Native Plants	Ν			
	Next Steps	Craig Helker			
	Other Plants	CURLY LEAF POND WEED, EURASIAN WA TERMILFOIL, FILAMENTOUS ALGAE			
	PLSS_DIRECTION	E			
	PLSS_RANGE	20			
	PLSS_SECTION	20			
	PLSS_TOWNSHIP	03			
	Payment Number	5073			
	Permit County	Racine			
	Permit End Year	2018			
	Permit Latitude	42.70330230			
	Permit Longitude	-88.12519990			
	Permit PLSS Section	20 3N20E			
	Permit Start Year	2018			
	Permit WBIC	759800			
	Pithophora	Ν			
	Planktonic Algae	Ν			
	Private Pond	Ν			
	Purple loosestrife (Lythrum salicaria)	Ν			
	SharePoint Submittal	Ν			
	Softstem bulrush (Schoenoplectus tabernaemontani)	Ν			
	Sogo pondweed (Stuckenia pectinata)	Ν			
	TREATMENT_AREA	Eagle Lake			
	Treatment Date	Ν			
	Treatment Date	Ν			
	Treatment Record - Received	Ν			
	Treatment Record - Scanned	Ν			
	Waterbody Type	LAKE			
M Chemica	I Treatment Record			6/21/2019	COMPLETE
Details:	Parameter	Value/Amount	Units	Com	ments
	Air Temperature	78			
	Air Temperature Units	F			
	Broad-leaved cattail (Typha latifolia)	SP			

Details:	Details: Parameter			Value/Amount		Units		Comments			
	Contains Herbicide totals			tals	Y						
	Coontail (Ceratophyllum demersum)			um	SP						
	Curly-leaf pondweed (Potamogeton crispus)			5)	SP						
	Did Treatments Occur				Υ						
	Duration of Chemical Residualts				21 days						
	Eurasian water-milfoil (Myriophyllum spicatum)				TS						
	Filamentous Algae				TS						
	Water I	Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?			Y						
	Muskgrasses (Chara))	SP						
	Permit County				Racine						
	Permit Year				2018						
	Person Completing Form			orm	Brian Suffern						
	Sogo pondweed (Stuckenia pectinata)			ckenia	SP						
	Treatment Date				06/27/2018						
	Treatment End Time				13:30						
	Treatment Start Time				10:30						
	Water Temperature Water Temperature Units				74						
					F						
	Wind Direction			Ν							
	Wind Speed			0-5							
Monitoring §	Station	S									
Station ID	Station ID Name					Co	omments				
Assessment	Units										
WBIC	IC Segment Local Na		Local Na	me			Official Na	ame			
759800				Eagle Lak	e		Eagle Lake	e			
760000	50000 1 Un		Unnamed	named Stream			East Eagleast Lake Ditch				
Lab Accoun	t Code	S									
Account Code Description								Start Date	End Date		
Forms											
Form Code			Form	Name							
Methods											
Method Code	Method Code Method Descri				ption						

7/24/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

Fieldwork Even	ts										
Start Date	Status		Field ID		Station ID		Station Name				
Documents											
Title		Description			Auth	or	Pub	Published Comments			
Eagle Lake APM Plan Approval Letter		Approval letter for the APM Plan for Eagle Lake			· Heid	i Bunk	1/30	/2015			
Budget											
Combined Budge Combined WSLH											
Combined Total:		\$0.0	00								
Funding											
Organization				Source		Туре			Amount	Start Date	End Date