

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ACEI18616
Name: MINONG FLOWAGE ASSOCIATION: Minong Flowage 2016-2017 EWM Management Support Project
Type: Aquatic Invasives Grant
Subtype: Aquatic Invasives Control
Status: COMPLETE
Start Date: 04/15/2016
End Date: 06/30/2018
Purpose: Minong Flowage Association is implementing their recently-approved 2016-2020 Aquatic Plant Management Plan.

Project activities include: EWM control in DNR Boat Landing Bay; aquatic plant, including pre/post herbicide treatment and curlyleaf pondweed, purple loosestrife, and wild rice, monitoring; shoreland and woody habitat inventory; partnering with Swift Nature Camp on biological EWM control; substantial volunteer monitoring, education and outreach; and annual stakeholder meeting, survey, and management planning.

Final deliverables include: summaries and reports of each grant activity, as described in the application, and submission of collected data, evaluation, and results, examples of education and outreach materials.

This scope does not supersede or negate activities described in the grant application and proposal.

Objective:
Comments: Grantee is MINONG FLOWAGE ASSOCIATION
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Minong Flowage Association	GRANT_RECIPII	ACTIVE	06/01/2016		Minong Flowage Association	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
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Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request	Chemical Permit Details	03/07/2016	10/01/2016	APPROVED
Details:	Parameter	Value/Amount	Units	Comments
	APM Plan	N		
	Algae	N		
	Algimycin PWF Algaecide / Cyanobactericide	N		
	Alligare Argos Algaecide and Herbicide	N		
	Alligare Diquat Herbicide	N		
	Landscape and Aquatic Herbicide			
	Aqua Star	N		
	AquaPro Herbicide	N		
	AquaShade Aquatic Plant Growth Control	N		
	AquaStrike	N		
	Aquaneat Aquatic Herbicide	N		
	Aquashadow Black Pond Colorant	N		
	Aquathol K Aquatic Herbicide	N		
	Aquathol Super K Granular Aquatic Herbicide	N		
	Avast! SC Aquatic Herbicide	N		
	Business Location License	N/A		
	CO - # days	4		
	CO - Date Sent	3/11/2016		
	CO-Date_Received	3/7/2016		
	CONTROL_INVASIVES	N		
	CONTROL_OTHER	N		
	Captain Liquid Copper Algaecide	N		
	Captain XTR Liquid Copper Algaecide	N		
	Category 5 Certification Number	N/A		
	Chemical Permit ID	2593		
	Chemicals - Approved	DMA Amine 4 or Shredder		
	Chemicals Permitted Previous Year	N/A		
	Chinook	N		
	Clearcast (general)	N		
	Clearigate	N		
	Clipper Herbicide	N		
	Clipper SC Aquatic Herbicide	N		
	Comments	Maybe same as permit #: NO-20		
	Common reed (Phragmites australis)	N		
	Common waterweed (Elodea canadensis)	N		
	Common/Glossy Buckthorn	N		
	Control - Algae	N		

**Wisconsin Department of Natural Resources
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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
Control - Emergent water plants	N			
Control - Floating water plants	N			
Control - Submerged water plants	Y			
Coontail (Ceratophyllum demersum)	N			
Curly-leaf pondweed (Potamogeton crispus)	N			
Current	N			
Cutrine-Plus Algaecide and Herbicide	N			
Cutrine-Plus Granular Algaecide	N			
Cutrine-Ultra Algaecide / Herbicide / cyanobactericide	N			
DMA 4 IVM Herbicide	N			
Earthtec Algaecide / Bactericide	N			
Element 3A Herbicide	N			
Estimated Acres	27			
Eurasian water-milfoil (Myriophyllum spicatum)	Y			
Expiration Date	10/1/2016			
Fee	695			
Field Issued By	Mark_Sundeen			
Flowering Rush	N			
Flumioxazin 51% WDG - NonCrop	N			
Formula F-30 Algae Control	N			
Garlon 3A Herbicide	N			
Green Clean (general)	N			
Habitat (general)	N			
Harpoon (general)	N			
Harvester Landscape and Aquatic Herbicide	N			
Havoc Amine	N			
Hybrid Cattail	N			
Hybrid Watermilfoil	N			
Hydrothol 191 Aquatic Algicide and Herbicide	N			
Hydrothol Granular Aquatic Algaecide and Herbicide	N			
Improvement - swimming	N			
Japanese Knotweed	N			
K-Tea Aquatic Algaecide	N			
Komeen Aquatic Herbicide	N			
Komeen Crystal Aquatic Herbicide	N			
Lake Surface Area				
Lake Surface Area	0			

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
Large Duckweed (Spirodela polyrhiza)	N			
Large Scale Treatment Form	N			
Maintain navigational channel	N			
Maintain private access - boating	N			
Maintain private access - fishing	N			
Milestone Herbicide	N			
More than 1 Property Owner	N/A			
NUISANCE_CAUSED_OTHER	N			
Naiad	N			
Narrow-Leaf Cattail	N			
Nautique Aquatic Herbicide	N			
Navigate	N			
Navitrol DPF Aquatic Herbicide	N			
Navitrol Landscape and Aquatic Herbicide	N			
Nutri-Sorb	N			
Orb-3 (general)	N			
Overflow Controlled	N/A			
PLSS_DIRECTION	N/A			
PLSS_RANGE	N/A			
PLSS_SECTION	N/A			
PLSS_TOWNSHIP	N/A			
Payment Number	1326			
Permit County	Douglas			
Permit End Year	2016			
Permit Latitude	46.1544			
Permit Longitude	-91.9343			
Permit PLSS Section	4 02N13W			
Permit Start Year	2016			
Permit WBIC	2692900			
Permit Year	2016			
Phycomycin SCP Algaecide and Oxidizer	N			
Polaris	N			
Polaris AC	N			
Pond-Klear	N			
Pondweeds	N			
Private Pond	N			
ProcellaCOR EC	N			
Purple loosestrife (Lythrum salicaria)	N			
Reed Canary Grass	N			
Reed Manna Grass	N			
Refuge Herbicide	N			
Renovate 3	N			

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
Renovate LZR Aquatic Herbicide	N			
Renovate LZR Max Aquatic Herbicide	N			
Renovate Max G Aquatic Herbicide	N			
Renovate OTF Aquatic Herbicide	N			
Reward Landscape and Aquatic Herbicide	N			
Rodeo Herbicide	N			
Roundup Custom for Aquatic & Terrestrial Use	N			
SCI-62 Algicide / Bactericide	N			
Sculpin G Aquatic Herbicide	N			
SeClear (general)	N			
SeClear G Algaecide and Water Quality Enhancer	N			
Sensitive Area	N			
Shoreklear-Plus Aquatic Herbicide	N			
Shredder Amine 4	N			
Sonar A.S.	N			
Sonar Genesis Aquatic Herbicide	N			
Sonar H4C Aquatic Herbicide	N			
Sonar PR Precision Release	N			
Sonar Q Aquatic Herbicide	N			
Sonar RTU Aquatic Weed Herbicide	N			
Sonar SRP Aquatic Herbicide	N			
SonarOne Aquatic Herbicide	N			
Starry Stonewort	N			
Stingray Aquatic Herbicide	N			
Surface Water Discharge	N/A			
Symmetry NXG	N			
TREATMENT_AREA	Minong Flowage			
Touchdown Pro	N			
Treatment Area Greater Than 5%	N/A			
Treatment Date	N			
Treatment Date	N			
Tribune Herbicide	N			
WPDES Coverage	N/A			
Waterbody Type	LAKE			
Waterbody have Public Access	N/A			
Weedar 64 Broadleaf Herbicide	N			
Weedestroy AM-40 Amine Salt - Selective Weed Killer	N			
Wind Direction	N/A			

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Action		Detailed Description		Start	End Date	Status
Details:	Parameter	Value/Amount	Units	Comments		
	Yellow Floating Heart	N				
	Yellow Iris	N				

**Wisconsin Department of Natural Resources
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Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request	Chemical Permit Details	03/28/2016	10/01/2016	APPROVED
Details:	Parameter	Value/Amount	Units	Comments
	APM Plan	N		
	Algae	N		
	Algimycin PWF Algaecide / Cyanobactericide	N		
	Alligare Argos Algaecide and Herbicide	N		
	Alligare Diquat Herbicide Landscape and Aquatic Herbicide	N		
	Aqua Star	N		
	AquaPro Herbicide	N		
	AquaShade Aquatic Plant Growth Control	N		
	AquaStrike	N		
	Aquaneat Aquatic Herbicide	N		
	Aquashadow Black Pond Colorant	N		
	Aquathol K Aquatic Herbicide	N		
	Aquathol Super K Granular Aquatic Herbicide	N		
	Avast! SC Aquatic Herbicide	N		
	Business Location License	N/A		
	CO - # days	4		
	CO - Date Sent	3/3/2016		
	CO-Date_Received	3/28/2016		
	CONTROL_INVASIVES	N		
	CONTROL_OTHER	N		
	Captain Liquid Copper Algaecide	N		
	Captain XTR Liquid Copper Algaecide	N		
	Category 5 Certification Number	N/A		
	Chemical Permit ID	2499		
	Chemicals Permitted Previous Year	N/A		
	Chinook	N		
	Clearcast (general)	N		
	Clearigate	N		
	Clipper Herbicide	N		
	Clipper SC Aquatic Herbicide	N		
	Comments	Maybe same as permit #: NO-20		
	Common reed (Phragmites australis)	N		
	Common waterweed (Elodea canadensis)	N		
	Common/Glossy Buckthorn	N		
	Control - Algae	N		
	Control - Emergent water	N		

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
plants				
Control - Floating water plants	N			
Control - Submerged water plants	N			
Coontail (Ceratophyllum demersum)	N			
Curly-leaf pondweed (Potamogeton crispus)	N			
Current	N			
Citrine-Plus Algaecide and Herbicide	N			
Citrine-Plus Granular Algaecide	N			
Citrine-Ultra Algaecide / Herbicide / cyanobactericide	N			
DMA 4 IVM Herbicide	N			
Earthtec Algaecide / Bactericide	N			
Element 3A Herbicide	N			
Estimated Acres	27			
Eurasian water-milfoil (Myriophyllum spicatum)	N			
Expiration Date	10/1/2016			
Fee	695			
Field Issued By	Mark_Sundeen			
Flowering Rush	N			
Flumioxazin 51% WDG - NonCrop	N			
Formula F-30 Algae Control	N			
Garlon 3A Herbicide	N			
Green Clean (general)	N			
Habitat (general)	N			
Harpoon (general)	N			
Harvester Landscape and Aquatic Herbicide	N			
Havoc Amine	N			
Hybrid Cattail	N			
Hybrid Watermilfoil	N			
Hydrothol 191 Aquatic Algicide and Herbicide	N			
Hydrothol Granular Aquatic Algaecide and Herbicide	N			
Improvement - swimming	N			
Japanese Knotweed	N			
K-Tea Aquatic Algaecide	N			
Komeen Aquatic Herbicide	N			
Komeen Crystal Aquatic Herbicide	N			
Lake Surface Area				
Lake Surface Area	0			
Large Duckweed (Spirodela)	N			

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
polyrhiza)				
Large Scale Treatment Form	N			
Maintain navigational channel	N			
Maintain private access - boating	N			
Maintain private access - fishing	N			
Milestone Herbicide	N			
More than 1 Property Owner	N/A			
NUISANCE_CAUSED_OTHER	N			
Naiad	N			
Narrow-Leaf Cattail	N			
Nautique Aquatic Herbicide	N			
Navigate	N			
Navitrol DPF Aquatic Herbicide	N			
Navitrol Landscape and Aquatic Herbicide	N			
Nutri-Sorb	N			
Orb-3 (general)	N			
Overflow Controlled	N/A			
PLSS_DIRECTION	N/A			
PLSS_RANGE	N/A			
PLSS_SECTION	N/A			
PLSS_TOWNSHIP	N/A			
Payment Number	1327			
Permit County	Washburn			
Permit End Year	2016			
Permit Latitude	46.1553			
Permit Longitude	-91.9340			
Permit PLSS Section	01 42N12W			
Permit Start Year	2016			
Permit WBIC	2692900			
Permit Year	2016			
Phycomycin SCP Algaecide and Oxidizer	N			
Polaris	N			
Polaris AC	N			
Pond-Klear	N			
Pondweeds	N			
Private Pond	N			
ProcellaCOR EC	N			
Purple loosestrife (Lythrum salicaria)	N			
Reed Canary Grass	N			
Reed Manna Grass	N			
Refuge Herbicide	N			
Renovate 3	N			
Renovate LZR Aquatic	N			

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Details: Parameter	Value/Amount	Units	Comments	
Herbicide				
Renovate LZR Max Aquatic	N			
Herbicide				
Renovate Max G Aquatic	N			
Herbicide				
Renovate OTF Aquatic	N			
Herbicide				
Reward Landscape and Aquatic Herbicide	N			
Rodeo Herbicide	N			
Roundup Custom for Aquatic & Terrestrial Use	N			
SCI-62 Algicide / Bactericide	N			
Sculpin G Aquatic Herbicide	N			
SeClear (general)	N			
SeClear G Algaecide and Water Quality Enhancer	N			
Sensitive Area	N			
Shoreklear-Plus Aquatic Herbicide	N			
Shredder Amine 4	N			
Sonar A.S.	N			
Sonar Genesis Aquatic Herbicide	N			
Sonar H4C Aquatic Herbicide	N			
Sonar PR Precision Release	N			
Sonar Q Aquatic Herbicide	N			
Sonar RTU Aquatic Weed Herbicide	N			
Sonar SRP Aquatic Herbicide	N			
SonarOne Aquatic Herbicide	N			
Starry Stonewort	N			
Stingray Aquatic Herbicide	N			
Surface Water Discharge	N/A			
Symmetry NXG	N			
TREATMENT_AREA	Minong Flowage			
Touchdown Pro	N			
Treatment Area Greater Than 5%	N/A			
Treatment Date	N			
Treatment Date	N			
Tribune Herbicide	N			
WPDES Coverage	N/A			
Waterbody Type	LAKE			
Waterbody have Public Access	N/A			
Weedar 64 Broadleaf Herbicide	N			
Weedestroy AM-40 Amine Salt - Selective Weed Killer	N			
Wind Direction	N/A			

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
Yellow Floating Heart	N			
Yellow Iris	N			
Shoreland Monitoring, Assessment, Inventory	Shoreland Monitoring, Assessment or Inventory	04/15/2016	06/30/2018	PROPOSED
Grant Awarded	Minong	04/15/2016	06/30/2018	COMPLETE

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
2689800	2	Totagatic River	Totagatic River
2689800	5	Totagatic River	Totagatic River
2689800	15	Totagatic River	Totagatic River
2692900	1	Minong Flowage	Minong Flowage
2693100	1	Cranberry Lake	Cranberry Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
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Methods

Method Code	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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Documents

Title	Description	Author	Published	Comments
Minong Flowage - Pretreatment Final PI Data 4-29-2016		Matthew S. Berg	04/29/2016	
Minong Flowage - CLP - Post Treatment Survey - 6-15-2016		Matthew Berg	06/15/2016	
Minong Flowage - CLP - Pretreatment Survey - 4-29-2016		Matthew Berg	04/29/2016	
Minong Flowage - EWM - Post Treatment Survey - 6-15-2016		Matthew Berg	10/26/2016	
Minong Flowage - EWM - Pretreatment Survey - 4-29-2016		Matthew Berg	04/29/2016	
Minong Flowage - FSP - Post Treatment Survey - 6-15-2016		Matthew Berg	06/15/2016	

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Title	Description	Author	Published	Comments
Minong Flowage - FSP - Pretreatment Survey - 4-29-2016		Matthew Berg	04/29/2016	
Minong Flowage - Grant ACEI-186-16 Report Photo - Bed 1-3 Wild Rice - Former Bed		Matthew Berg	05/22/2017	
Minong Flowage - Grant ACEI-186-16 Report Photo - Bed 15 Wild Rice - Southeast		Matthew Berg	05/24/2017	
Minong Flowage - Grant ACEI-186-16 Report Photo - Bed 16 Wild Rice - South		Matthew Berg	05/24/2017	
Minong Flowage - Grant ACEI-186-16 Report Photo - Bed 16 Wild Rice - South-Close Up		Matthew Berg	05/24/2016	
Minong Flowage - Grant ACEI-186-16 Report Photo - Bed 8 Wild Rice -Smith's Bridge		Matthew Berg	05/22/2017	
Minong Flowage - Grant ACEI-186-16 Report Photo - Bed 9 Wild Rice - Southwest		Matthew Berg	05/24/2017	
Minong Flowage - Grant ACEI-186-16 Report Photo - Bed 9 Wild Rice - West		Matthew Berg	05/24/2017	
Minong Flowage - Grant ACEI-186-16 Report Photo - Bed 9 Wild Rice - West Northwest		Matthew Berg	05/24/2017	
Minong Flowage - June and Fall Bed Mapping Surveys		Endangered Resource Services, LLC - Matthew S. Berg	10/01/2017	
Minong Flowage - Posttreatment Final PI Data 6-15-2016			06/15/2016	
Minong Flowage - Pre/Post Comparison		Unsure	10/15/2016	
Minong Flowage - Pre/Post Herbicide and Fall Bed Mapping Surveys		Endangered Resource Services, LLC - Matthew S. Berg	10/16/2016	
Minong Flowage - Pre/Post T-Tests		N/A	10/15/2017	
Minong Flowage - RLP - Post Treatment Survey - 6-15-2016		Matthew Berg	06/15/2016	
Minong Flowage - Treatment Record 5-16-2016		Northren Aquatic Services	05/16/2016	
Minong Flowage - Wild Rice Bed Mapping Survey 7-31-2017		Matthew Berg	07/31/2017	

Wisconsin Department of Natural Resources SWIMS Project Summary

Combined Budgets:

Combined SLOH:

Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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