

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ACEI18516

Name: TOMAHAWK LAKE ASSOCIATION: Tomahawk Lake AIS Control Grant for 2016

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Control

Status: COMPLETE

Start Date: 4/15/2016

End Date: 12/31/2016

Purpose: Tomahawk Lake Association, Inc is sponsoring an ACEI grant on the Tomahawk Lake system, in Oneida County. This is a one year project that will focus on AIS management.

Project activities include: 1) Annual chemical treatments of EWM; 2) Manual removal of EWM with hydraulic conveyor. 3) Annual pre/post treatment monitoring and analysis. 4) Hire an AIS Coordinator; 5) Mapping and control of purple loosestrife (PL); 6) Annual volunteer AIS training and monitoring; 7) Develop quarterly and final project reports.

Project deliverables include: 1) Chemical and manual control of AIS, including mapping; 2) Pre/post treatment survey data; 3) AIS Coordinator; 4) Final report summarizing AIS management and future AIS management suggestions and AIS monitoring.

Specific Conditions for this project: Quarterly reports and final report needs Dept review and approval.

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) copy of final report and quarterly reports, survey data (includes: pre/post treatment and PL), and all maps and GIS from the project.

Objective:

Comments: Grantee is TOMAHAWK LAKE ASSOCIATION

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Tomahawk Lake Association,	GRANT_RECIP ENT	ACTIVE	4/18/2016		Tomahawk Lake Association	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
APM Chemical Permit Request	Chemical Permit Details	3/28/2016	10/1/2017	APPROVED

Details: Parameter	Value/Amount	Units	Comments
APM Plan	N		
Algae	N		
Algimycin PWF Algaecide / Cyanobacteriocide	N		
Aqua Star	N		

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Details: Parameter	Value/Amount	Units	Comments
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 Algicide	N		
Captain XTR Liquid Copper Algicide	N		
Category 5 Certification Number	N/A		
Chemical Permit ID	2496		
Chemicals - Approved	Sculpin G gran. at rate of 4ppm, DMAIVM liq. Rate of 4ppm		
Chemicals Permitted Previous Year	N/A		
Chinook	N		
Clearcast (general)	N		
Clearigate	N		
Clipper Herbicide	N		
Clipper SC Aquatic Herbicide	N		
Common reed (Phragmites australis)	N		
Common waterweed (Elodea canadensis)	N		
Common/Glossy Buckthorn	N		
Control - Algae	N		
Control - Emergent water plants	N		
Control - Floating water plants	N		
Control - Submerged water plants	Y		
Coontail (Ceratophyllum demersum)	N		

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Details: Parameter	Value/Amount	Units	Comments
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	26		
Eurasian water-milfoil (Myriophyllum spicatum)	Y		
Expiration Date	10/1/2016		
Fee	670		
Field Issued By	Kevin_Gauthier		
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		
Large Duckweed (Spirodela polyrhiza)	N		
Large Scale Treatment Form	N		
Maintain navigational channel	N		

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Details: Parameter	Value/Amount	Units	Comments
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		
Payment Number	21987		
Permit County	Oneida		
Permit End Year	2016		
Permit Latitude	45.829230		
Permit Longitude	-89.651730		
Permit PLSS Section	31 39N07E		
Permit Start Year	2016		
Permit WBIC	1542700		
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 Herbicide	N		
Renovate LZR Max Aquatic Herbicide	N		

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Details: Parameter	Value/Amount	Units	Comments
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	Tomahawk Lake		
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		

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Details: Parameter	Value/Amount	Units	Comments		
Wind Direction	N/A				
Yellow Floating Heart	N				
Yellow Iris	N				
Grant Awarded	Grant ACEI18516 awarded		4/15/2016	12/31/2016	COMPLETE
APM Chemical Treatment Record	Chemical treatment details		6/1/2016	6/1/2016	COMPLETE
Details: Parameter	Value/Amount	Units	Comments		
24D Granular, # Acres	0				
24D Granular, # Pounds	0				
24D Liquid, # Acres	0				
24D Liquid, # Pounds	0				
Air Temperature	13.3				
Air Temperature Units	C				
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	0				
Aquathol, # Acres Gallons	0				
Aquathol, # Pounds	0				
Avast Acres	0				
Avast Gallons	0				
CHEMICAL_TREATMENT_ID	5373				
Captain XTR, # Acres	0				
Captain XTR, # Gallons	0				
Chemical Permit ID	2496				
Clearcast Acres	0				
Clearcast Gallons	0				
Clearigate Acres	0				
Clearigate Gallons	0				
Contains Herbicide totals	Y				
Copper Acres	0				
Copper Liquid, # Acres	0				

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Details: Parameter	Value/Amount	Units	Comments
Copper Liquid, # Gallons	0		
Copper Pounds	0		
Citrine Acres	0		
Citrine Liquid Acres	0		
Citrine Liquid Gallons	0		
Citrine Plus Acres	0		
Citrine Plus Liquid Acres	0		
Citrine Plus Liquid Gallons	0		
Citrine Plus Pounds	0		
Citrine Pounds	0		
Citrine Ultra Acres	0		
Citrine Ultra Gallons	0		
DMA 4 IVM Acres	12.74		
DMA 4 IVM Gallons	180		
Did Treatments Occur	Y		
Diquat Acres	0		
Diquat Gallons	0		
Diquat Liquid Acres	0		
Diquat Pounds	0		
Endothol Acres	0		
Endothol Liquid Acres	0		
Endothol Liquid Gallons	0		
Endothol Pounds	0		
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		

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Details: Parameter	Value/Amount	Units	Comments
Imazapyr Acres	0		
Imazapyr Gallons	0		
Nautique Acres	0		
Nautique Gallons	0		
Navigate Acres	0		
Navigate, # Pounds	0		
Onsite Supervision	N		
Permit County	Oneida		
Permit Year	2016		
Person Completing Form	N/A		
Phycomycin Acres	0		
Phycomycin Pounds	0		
Polaris Acres	0		
Polaris Gallons	0		
Refuge Acres	0		
Refuge Gallons	0		
Reward Acres	0		
Reward Gallons	0		
Reward Liquid Acres	0		
Reward Pounds	0		
Rodeo Acres	0		
Rodeo Gallons	0		
SCI-62 Acres	0		
SCI-62 Gallons	0		
Sculpin G Acres	12.74		
Sculpin G Pounds	1000		
SeClear Acres	0		
SeClear Gallons	0		
ShoreKlear Acres	0		
ShoreKlear Gallons	0		
Sonar AS Gallons	0		
Sonar AS Acres	0		
Touchdown Pro Acres	0		
Touchdown Pro Gallons	0		
Treatment Date	6/1/2016		
Tribune Acres	0		
Tribune Gallons	0		
Vectobac Acres	0		
Vectobac Gallons	0		
Water Temperature	12.7		
Water Temperature Units	C		

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Details: Parameter	Value/Amount	Units	Comments		
Wind Direction	N/A				
Wind Speed	6-8				
APM Chemical Treatment Record	Chemical treatment details		6/2/2016	6/2/2016	COMPLETE
Details: Parameter	Value/Amount	Units	Comments		
24D Granular, # Acres	0				
24D Granular, # Pounds	0				
24D Liquid, # Acres	0				
24D Liquid, # Pounds	0				
Air Temperature	10.5				
Air Temperature Units	C				
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	0				
Aquathol, # Acres Gallons	0				
Aquathol, # Pounds	0				
Avast Acres	0				
Avast Gallons	0				
CHEMICAL_TREATMENT_ID	5374				
Captain XTR, # Acres	0				
Captain XTR, # Gallons	0				
Chemical Permit ID	2496				
Clearcast Acres	0				
Clearcast Gallons	0				
Clearigate Acres	0				
Clearigate Gallons	0				
Contains Herbicide totals	Y				
Copper Acres	0				
Copper Liquid, # Acres	0				
Copper Liquid, # Gallons	0				
Copper Pounds	0				

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Details: Parameter	Value/Amount	Units	Comments
Citrine Acres	0		
Citrine Liquid Acres	0		
Citrine Liquid Gallons	0		
Citrine Plus Acres	0		
Citrine Plus Liquid Acres	0		
Citrine Plus Liquid Gallons	0		
Citrine Plus Pounds	0		
Citrine Pounds	0		
Citrine Ultra Acres	0		
Citrine Ultra Gallons	0		
DMA 4 IVM Acres	0		
DMA 4 IVM Gallons	0		
Did Treatments Occur	Y		
Diquat Acres	0		
Diquat Gallons	0		
Diquat Liquid Acres	0		
Diquat Pounds	0		
Endothol Acres	0		
Endothol Liquid Acres	0		
Endothol Liquid Gallons	0		
Endothol Pounds	0		
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		

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Details: Parameter	Value/Amount	Units	Comments
Nautique Acres	0		
Nautique Gallons	0		
Navigate Acres	0		
Navigate, # Pounds	0		
Onsite Supervision	N		
Permit County	Oneida		
Permit Year	2016		
Person Completing Form	N/A		
Phycomycin Acres	0		
Phycomycin Pounds	0		
Polaris Acres	0		
Polaris Gallons	0		
Refuge Acres	0		
Refuge Gallons	0		
Reward Acres	0		
Reward Gallons	0		
Reward Liquid Acres	0		
Reward Pounds	0		
Rodeo Acres	0		
Rodeo Gallons	0		
SCI-62 Acres	0		
SCI-62 Gallons	0		
Sculpin G Acres	8.56		
Sculpin G Pounds	3500		
SeClear Acres	0		
SeClear Gallons	0		
ShoreKlear Acres	0		
ShoreKlear Gallons	0		
Sonar AS Gallons	0		
Sonar AS Acres	0		
Touchdown Pro Acres	0		
Touchdown Pro Gallons	0		
Treatment Date	6/2/2016		
Tribune Acres	0		
Tribune Gallons	0		
Vectobac Acres	0		
Vectobac Gallons	0		
Water Temperature	12.7		
Water Temperature Units	C		
Wind Direction	N/A		
Wind Speed	6-8		

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APM Chemical Treatment Record		Chemical treatment details	6/3/2016	6/3/2016	COMPLETE
Details: Parameter	Value/Amount	Units	Comments		
24D Granular, # Acres	0				
24D Granular, # Pounds	0				
24D Liquid, # Acres	0				
24D Liquid, # Pounds	0				
Air Temperature	10.5				
Air Temperature Units	C				
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	0				
Aquathol, # Acres Gallons	0				
Aquathol, # Pounds	0				
Avast Acres	0				
Avast Gallons	0				
CHEMICAL_TREATMENT_ID	5375				
Captain XTR, # Acres	0				
Captain XTR, # Gallons	0				
Chemical Permit ID	2496				
Clearcast Acres	0				
Clearcast Gallons	0				
Clearigate Acres	0				
Clearigate Gallons	0				
Contains Herbicide totals	Y				
Copper Acres	0				
Copper Liquid, # Acres	0				
Copper Liquid, # Gallons	0				
Copper Pounds	0				
Citrine Acres	0				
Citrine Liquid Acres	0				
Citrine Liquid Gallons	0				

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Details: Parameter	Value/Amount	Units	Comments
Citrine Plus Acres	0		
Citrine Plus Liquid Acres	0		
Citrine Plus Liquid Gallons	0		
Citrine Plus Pounds	0		
Citrine Pounds	0		
Citrine Ultra Acres	0		
Citrine Ultra Gallons	0		
DMA 4 IVM Acres	0		
DMA 4 IVM Gallons	0		
Did Treatments Occur	Y		
Diquat Acres	0		
Diquat Gallons	0		
Diquat Liquid Acres	0		
Diquat Pounds	0		
Endotholl Acres	0		
Endotholl Liquid Acres	0		
Endotholl Liquid Gallons	0		
Endotholl Pounds	0		
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		
Nautique Acres	0		
Nautique Gallons	0		
Navigate Acres	0		

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Details: Parameter	Value/Amount	Units	Comments
Navigate, # Pounds	0		
Onsite Supervision	N		
Permit County	Oneida		
Permit Year	2016		
Person Completing Form	N/A		
Phycomycin Acres	0		
Phycomycin Pounds	0		
Polaris Acres	0		
Polaris Gallons	0		
Refuge Acres	0		
Refuge Gallons	0		
Reward Acres	0		
Reward Gallons	0		
Reward Liquid Acres	0		
Reward Pounds	0		
Rodeo Acres	0		
Rodeo Gallons	0		
SCI-62 Acres	0		
SCI-62 Gallons	0		
Sculpin G Acres	4.36		
Sculpin G Pounds	2000		
SeClear Acres	0		
SeClear Gallons	0		
ShoreKlear Acres	0		
ShoreKlear Gallons	0		
Sonar AS Gallons	0		
Sonor AS Acres	0		
Touchdown Pro Acres	0		
Touchdown Pro Gallons	0		
Treatment Date	6/3/2016		
Tribune Acres	0		
Tribune Gallons	0		
Vectobac Acres	0		
Vectobac Gallons	0		
Water Temperature	13.3		
Water Temperature Units	C		
Wind Direction	N/A		
Wind Speed	2-3		

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
1542700	1	Tomahawk Lake	Tomahawk Lake
1543900	1	Little Tomahawk Lake	Little Tomahawk Lake
1544000	1	Mud Lake	Mud 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	Method 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
The Tomahawk Lake Association, Inc 2016 Treatment Report	This report for the 2016 treatment year, addresses the tasks and activities undertaken in the application and monitoring of the chemical herbicide treatment regime addressed in the Tomahawk Lake AIS control grant of 2016 (ACEI 185-16).	Edward Greedy, The Tomahawk Lake Association, Inc.	1/1/2016	
Tomahawk Lake AIS Control Grant Report Quarter No. 3	The following quarterly report documents the major activities that were undertaken during the third quarter of the Tomahawk Lake AIS Control Grant for 2016. Subsequent quarterly reports will be forwarded as they are generated per the grant agreement.	Edward C. Greedy	12/31/2016	
Tomahawk Lake AIS Control Grant for 2016 Quarter No. 1 Report		Edward C. Greedy	6/1/2016	
Tomahawk Lake AIS Control Grant for 2016 Quarterly Report - Quarter No 2	The following quarterly report documents the approved grant activities that were undertaken during the second quarter of the Tomahawk Lake AIS Control Grant for 2016. Subsequent quarterly reports will be forwarded as they are generated per the grant agreement.	Edward Greedy, The Tomahawk Lake Association, Inc.	1/1/2016	

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Tomahawk Lake AIS Final Report	Final report for the AIS grant received by the Tomahawk Lake Association.	Edward Greedy	8/28/2017	
Tomahawk Lake Treatment Maps		Edward C. Greedy	6/1/2016	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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