Northwest Aquatic Management, LLC

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Capitol Lake Weed Management Services

2016 Annual Report

December 20, 2016



Prepared for: Carrie Martin Department of Enterprise Services State of Washington

Prepared by: **Kyle Steelhammer**President

Northwest Aquatic Management, LLC

(360) 870-4362

Northwest Aquatic Management, LLC

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Introduction

Capitol Lake is a 260-acre lake located on the Washington State Capitol Campus in Olympia and Tumwater. It was created in 1951 when a dam was constructed at the mouth of the Deschutes River, blocking the tidal action of Puget Sound, to form a reflecting pool for the Legislative (Capitol) Building.

Since May 7, 2008 Northwest Aquatic Management, LLC has managed noxious and aquatic weeds in and around Capitol Lake under the direction of the State of Washington Department of Enterprise Services.

Those noxious weeds included Eurasian Watermilfoil (*Myriophyllum spicatum*), Yellow Flag Iris (*Iris pseudacorus*) Purple Loosestrife (*Lythrum salicaria*) and Fragrant White Water lily (*Nymphaea odorata*). Other macrophytes observed in and around Capitol Lake were:

- Elodea (Egaria canadensis)
- Coontail (Ceratophyllum demersum)
- Large-leaved Pondweed (Potamogeton amplifolius)
- Thin-Leaved Pondweed (Potamogeton nodosus)
- Curlyleaf Pondweed (Potamogeton crispus)
- White Stem Pondweed (Potamogeton praelongus)
- Brittlewort (*Nitella*)

Non-aquatic noxious weeds observed,

- Butterfly Bush
- Japanese Knotweed

In the peak of the weed growing season it is estimated that 80% of the lakebed is covered with native vegetation.

Capitol Lake is a rapidly changing eco-system, which responds differently every year to various environmental conditions.

Significant changes observed in recent years include:

- Explosive spread of Thin-Leaved Pondweed (*Potamogeton nodosus*)
- Deposition of sediments
- Infestation of New Zealand Mud Snails
- Increase in Eurasian Watermilfoil

Eurasian Watermilfoil (Myriophyllum spicatum)



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Capitol Lake 2012 Invasive Plant Infestation Survey



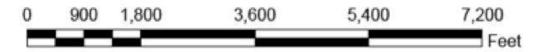






Capitol Lake 2013 Eurasian Watermilfoil Survey



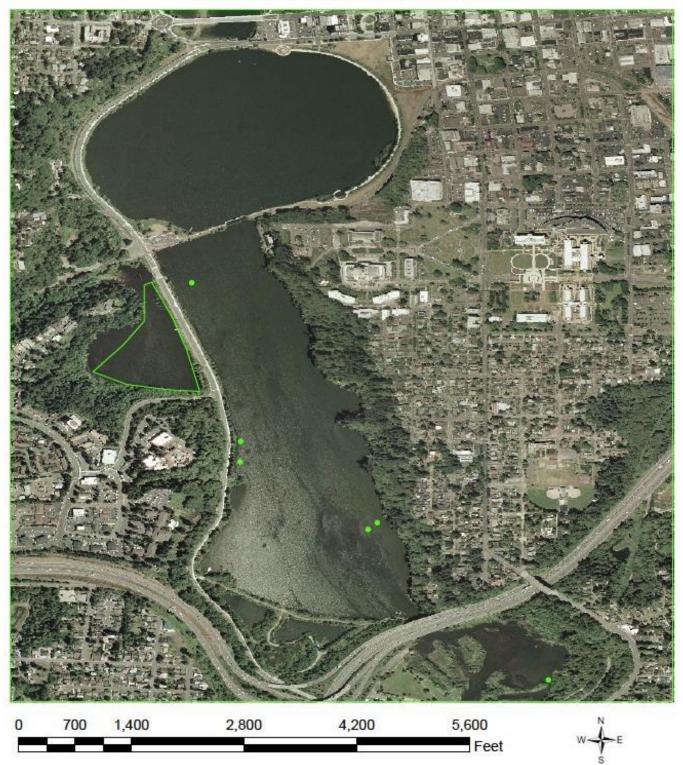






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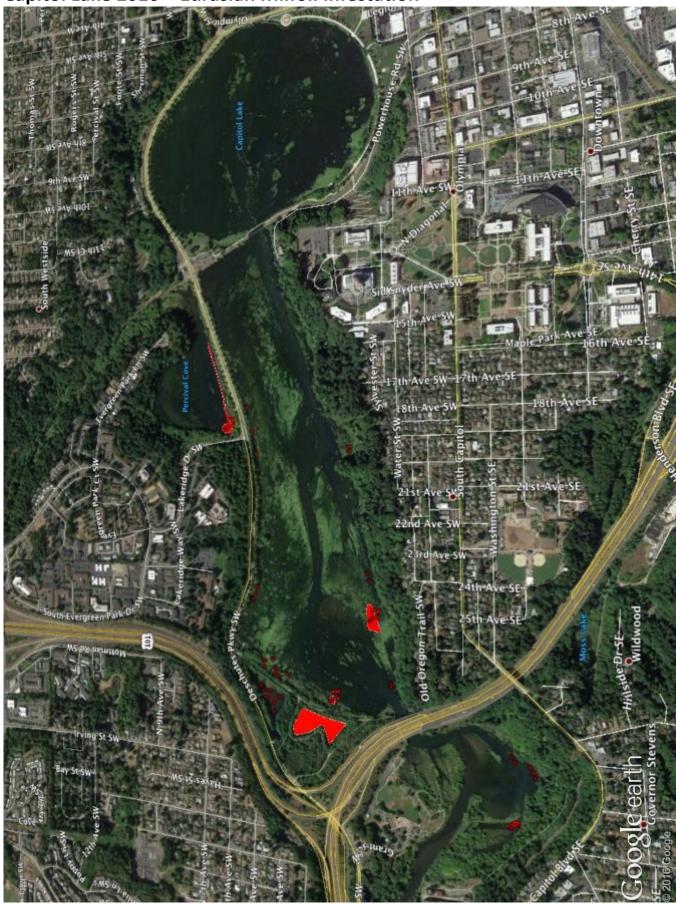
Capitol Lake 2014 Eurasian Milfoil Infestation







Capitol Lake 2016 – Eurasian Milfoil Infestation



Assessment

During the multipurpose surveys, Eurasian Milfoil sites were visited in the order listed below and were determined by previous maps created for Washington State Department of General Administration.

- 1. Sites indicating populations of multiple Eurasian Watermilfoil plants.
- 2. Sites indicating single Eurasian Watermilfoil plants.
- 3. Sites indicating no Eurasian Watermilfoil plants.

Conditions

Dense populations of Thin-Leaved Pondweed (*Potamogeton nodosus*) have spread each year from where they were traditionally found in the north basin into the north end of the middle basin. Thin-Leaved Pondweed (*Potamogeton nodosus*) is a native plant, which grows into dense colonies forming what looks like a mat on the lakes surface. The population was observed on both sides of the deeper river channel extending several hundred yards south of the pedestrian bridge separating the North and Middle Basins.

Eurasian Watermilfoil plants were found in depth ranges from 1 to 4 feet.

The quantity of milfoil plants has increased in 2016. The filamentous algae on the surface, which interferes with the Eurasian Watermilfoil survey and removal process was again present in 2016. This lessens the quality of the survey. The surveys were performed to the best of our ability.

Continued buildup of sediments in the middle basin have reduced the areas suitable for Eurasian Watermilfoil growth. Increased areas in the Middle Basin are no longer navigable due to this sedimentation.

Results

In 2012 surveys resulted in no plants early in the season. In August, a late survey found 7 plants concentrated on the east shoreline of the Middle Basin. Factors contributing to this may have been:

- Saltwater back-flush
- Water draw down
- Freezing temperatures during draw down
- Sedimentation

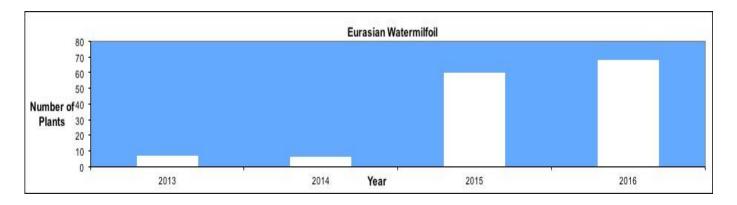
The Department of Enterprise Services contracted with divers in the 2012 season to perform Eurasian Watermilfoil removal work in Percival Cove. It is our understanding these divers removed thousands of pounds' plant material.

In 2013 there were 6 Eurasian Watermilfoil plants found. This does not include the Percival Cove pond; which Department of Enterprise Services has been contracting with divers to control Eurasian Watermilfoil in this area. The above practices will continue to combat the spread of the Eurasian Watermilfoil.

In 2014 there were also 6 Eurasian Watermilfoil plants found. The factors listed above seem to continue to keep the population from expanding. Percival Cove continues to support a large population but its' spread has not been observed.

In 2015 there was a dramatic increase in Eurasian Watermilfoil plants found. There were 12 plants found in the South Basin of Capitol Lake, there were 36 plants found in the Middle Basin of Capitol Lake, and there were about 12 plants found in Percival Cove. The west mitigation pond had about 8 plants in it while the east mitigation pond is relatively full of milfoil.

In 2016 there was a slight increase in Eurasian Watermilfoil plants found. There were 14 plants found in the South Basin of Capitol Lake, there were 42 plants found in the Middle Basin of Capitol Lake, and there were about 12 plants found in Percival Cove. The west mitigation pond had about 8 plants in it while the east mitigation pond is relatively full of milfoil. The Department of Enterprise Services did not contract divers in 2016. Their use in 2017 would be beneficial.



Control Activities

The survey work that was performed for Eurasian Milfoil was done in a 14' aluminum Jon boat powered by a 3.5 HP Tohatsu four stroke. This boat is dedicated 100% to the Capitol Lake Noxious Weed Project due to the infestation of the New Zealand Mud Snails. Precautions have been made with Washington Department Fish and Wildlife for decontamination procedures.

Instrumentation for this project included:

- Garmin 498 Chart plotter sonar
- Maps generated by Google Earth Pro

For 2015, plants in the Middle basins were only observed very late in the season. Areas traditionally surveyed are now so shallow that they did not support Eurasian Watermilfoil and were not conducive to surveys.

For 2016, the plants in the South Basin were observed throughout the season. The Middle basin had plants that were located in the deeper portions of the basin and where it has not built up too much sediment. Most of these plants are located at or near the outfall of the east mitigation pond. Percival Cove has plants along the East shoreline. Milfoil plants that were conducive to hand pulling were hand pulled. As the season went on the algae made surveys and control activities much more difficult to perform.

Surveys were conducted in conjunction with Yellow Flag Iris and Purple Loosestrife surveys and treatments.

Proposed Management

As of right now, management of Eurasian Watermilfoil for the 2017 season closely resembles the same method used in the 2016 season. Less emphasis will be placed on the pre-season survey allowing more time for surveys later in the season as the plants grow in size and are more identifiable.

However, Eurasian Milfoil survey work needs to be expanded due to the amount of plants found in 2016. Previous control methods that were used, including surveys, marking, and managing that could be replicated. If survey work is implemented, plants could be marked for easy identification and divers could come remove and dispose of the plants. Another option if survey work is implemented, would be to lower the lake level that would be conducive to hand pulling some of the new Eurasian Milfoil plants.

As we already know Eurasian watermilfoil is very dangerous because it spreads and invades fast. Our current system is surveying, documenting and treating if possible. If the plant is able to be hand pulled, then it will be pulled.

An idea to test would be to spot treat milfoil with a granular herbicide. We could treat the milfoil plant during our regularly scheduled surveys for milfoil, water lilies, yellow iris and purple loosestrife. We would be able to spot treat the milfoil just as we are with the other plants. Broadcast treatment would not be used; the application would be very precise and in small amounts. The test would include a small sprinkling can that we would use to sprinkle the granular herbicide on top of the milfoil plant itself and only treat the spot where the specific plant is growing. Renovate OTF is a granular selective herbicide that can be sprinkled on top of a milfoil plant when spotted and the granules would only treat that specific location and should not harm native plants.

The Department of Ecology states that a Renovate equivalent herbicide is effective for spot treatments of Eurasian watermilfoil.

Yellow Flag Iris (Iris pseudacorus)



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Capitol Lake 2012 Yellow Flag Iris Infestation Survey

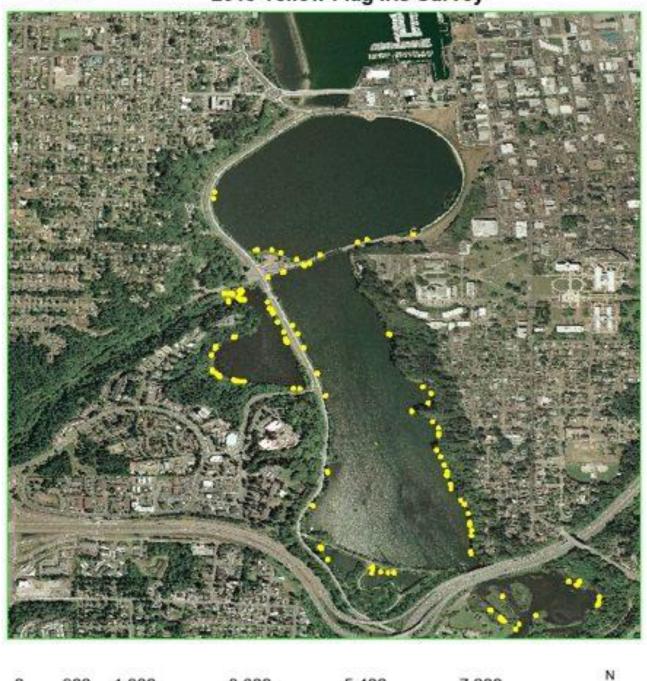








Capitol Lake 2013 Yellow Flag Iris Survey







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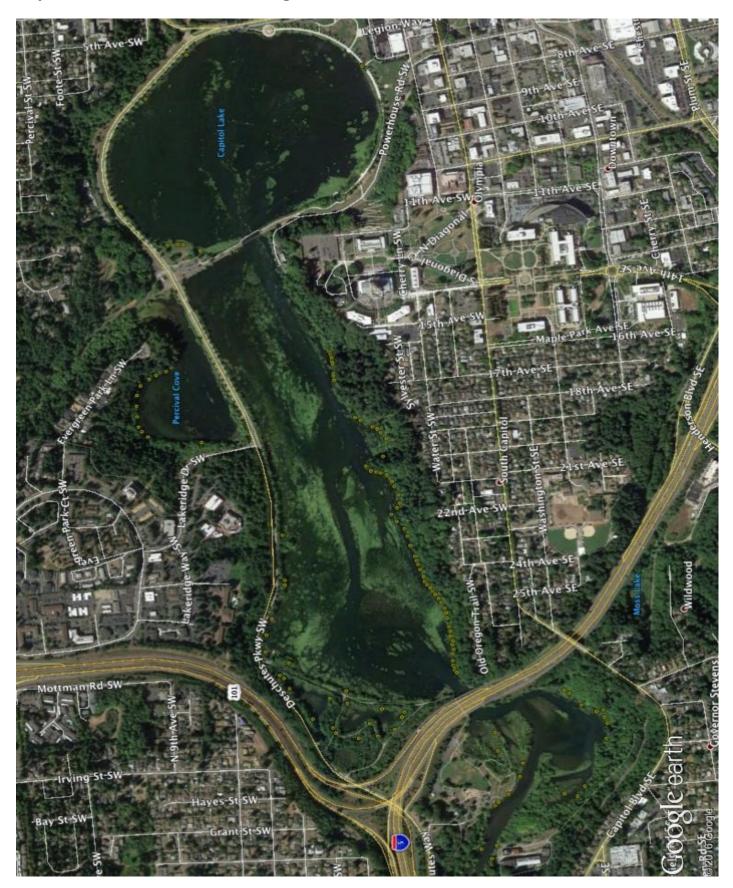
[™] Capitol Lake 2014 Yellow Flag Iris Infestation



Capitol Lake 2015 – Yellow Flag Iris Infestation



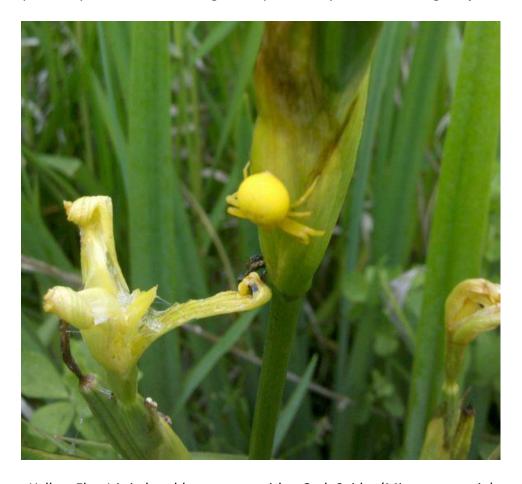
Capitol Lake 2016 – Yellow Flag Iris Infestation



Assessment

Yellow flag Iris plants were distributed along all shorelines of the lake and in many wetland areas. When not in bloom, Yellow Flag Iris looks similar to cattails and other reeds making the timing of the survey important. The Yellow Flag Iris presents itself quite well and is easily seen when in bloom.

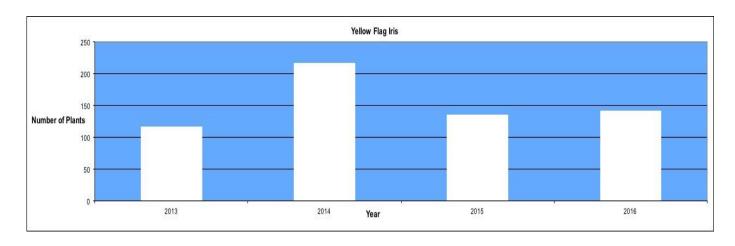
Yellow Flag Iris spreads by both seeds, which grow in pods, or by rhizomes that grow just above the roots.



Yellow Flag Iris in late bloom stage with a Crab Spider (Misumena vatia)

In comparison to 2014, 2015 demonstrated a decrease in plant count on Department of Enterprise Service property. A total of 135 plants were found on the property, while the number of plants found on private property was quite high with 453 plants. The drop-in plant numbers could be attributed to unusual season activity in the past few years; earlier spring and a shorter growing season.

2016 demonstrated a very slight increase in plant count on Department of Enterprise Service property. A total of 142 plants were found on the property, while the number of plants found on private property was quite high with 445 plants.



Control Activities

Yellow Flag Iris plants were located, documented, and plotted. Plants that had developed seed heads were removed and the seed heads were double bagged and disposed of in the County landfill. All plants, no matter seed head development or not, were then treated with a solution of 1.5% Nufarm Polaris (Imazapyr) and 0.5% Wilbur-Ellis Competitor Adjuvant; Plant die off was seen in one to two weeks.

All areas on the map indicating plant presence were treated with the exception of the east shoreline between the I-5 Bridge and the power plant. These plants were on residential parcels. At these sites the plants were inventoried and seed heads were removed and double bagged to help prevent further spreading.

WSDA Letter of Limited Agent Status - Appendix A

A Letter of Limited Agent Status was acquired from the WSDA for this activity and all public notification requirements were met.

Proposed Management

Management of Yellow Flag Iris for the 2017 season should continue with the same general strategies as in 2016, assuming the initial assessment finds similar conditions. The chemical change to an Imazapyr product in 2016 should continue in 2017.

If in that assessment bare areas are observed as a result of repeated treatments a program to re-vegetate these locations with native seeding should be considered.

More aggressive action could be taken to eradicate the plants that were not in the 2015 treatment area. The most effective and economical option would be to obtain permission from the homeowners and conduct an herbicide application. A less effective and less economical treatment would be to obtain the homeowners permission to conduct a manual removal of the Yellow Flag Iris.

Spray Logs Appendix B*

* - Some Application Records have both Yellow Flag Iris and Purple Loosestrife

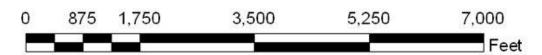
Purple Loosestrife (Lythrum salicaria)



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Capitol Lake 2012 Purple Loosestrife Infestation Survey









Northwest Aquatic Management, LLC (360) 481-8479 NWAQUA.COM

M Capitol Lake 2013 Purple Loosestrife Survey









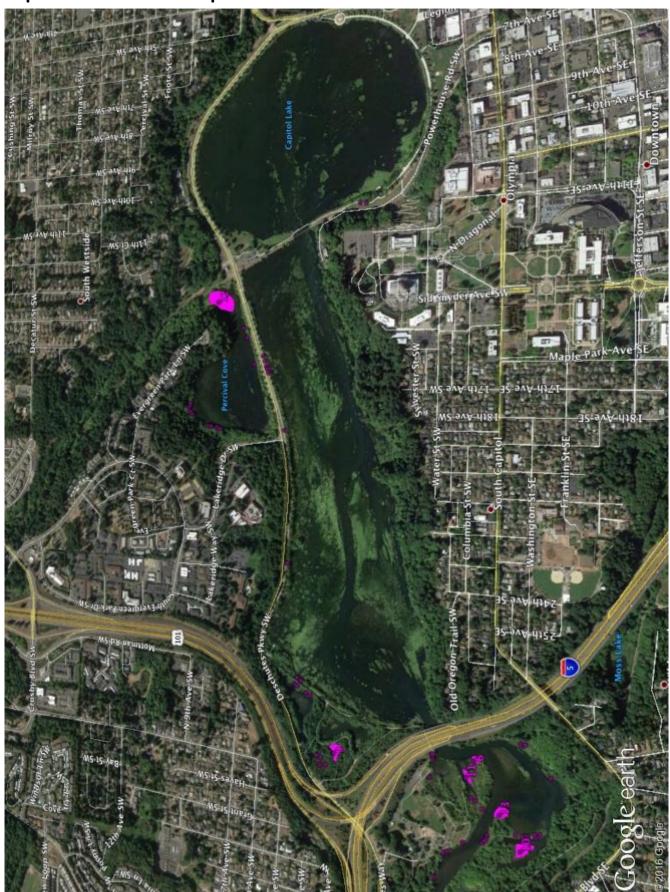
Capitol Lake 2014 Purple Loosestrife Infestation



Capitol Lake 2015 – Purple Loosestrife Infestation



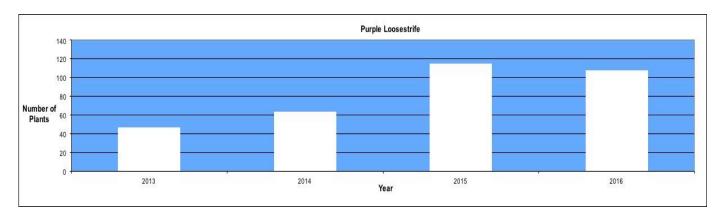
Capitol Lake 2016 – Purple Loosestrife Infestation



Assessment

Purple Loosestrife is most easily identified while it is in bloom. Purple Loosestrife stays in bloom much longer than Yellow Flag Iris and spreads much more aggressively.

In 2016, Purple Loosestrife plants were distributed along many of the shorelines and in most wetlands around Capitol Lake. These plants were located in the same geographical areas around the lake but have a very high probability of being new plants. Purple Loosestrife seeds are very small and stay viable for many years. They will stay dormant in the soil until conditions are right to germinate. The number of plants found on DES property decreased slightly from 2015, from 115 to 108.



Control Activities

Purple Loosestrife plants were located, documented, and plotted. Plants that had developed seed heads were topped and the seed heads were double bagged and disposed of in the County landfill. All plants were then treated with a solution of 1.5% Nufarm Polaris (Imazapyr) and 0.5% Wilbur-Ellis Competitor Adjuvant. Plant die off was seen in one to two weeks.

In past years, some plants had shown indications that the Black-margined Loosestrife beetles (*Galerucella calmariensis*) were present. The beetles helped with control by specifically targeting Loosestrife plants.

As with many biological controls, with the decrease in plant populations the Black-margined Loosestrife beetles' activity is not noticeable again in 2016.

Proposed Management

Management of Purple Loosestrife for the 2017 season should continue the same general strategies as in 2016, assuming the initial assessment finds similar conditions. The chemical change to an Imazapyr product in 2016 should continue in 2017.

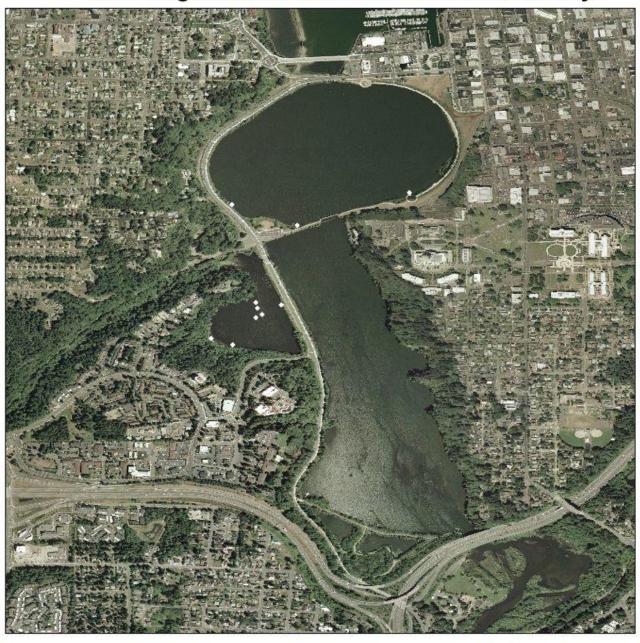
Spray Logs Appendix C*

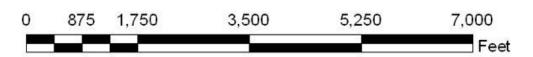
* - Some Application Records have both Yellow Flag Iris and Purple Loosestrife

Fragrant White Water Lily (Nymphaea odorata)



2012 Fragrant White Water Lilies Infestation Survey









Northwest Aquatic Management, LLC (360) 481-8479 NWAQUA.COM

Capitol Lake 2013 Fragrant White Water Lily Survey





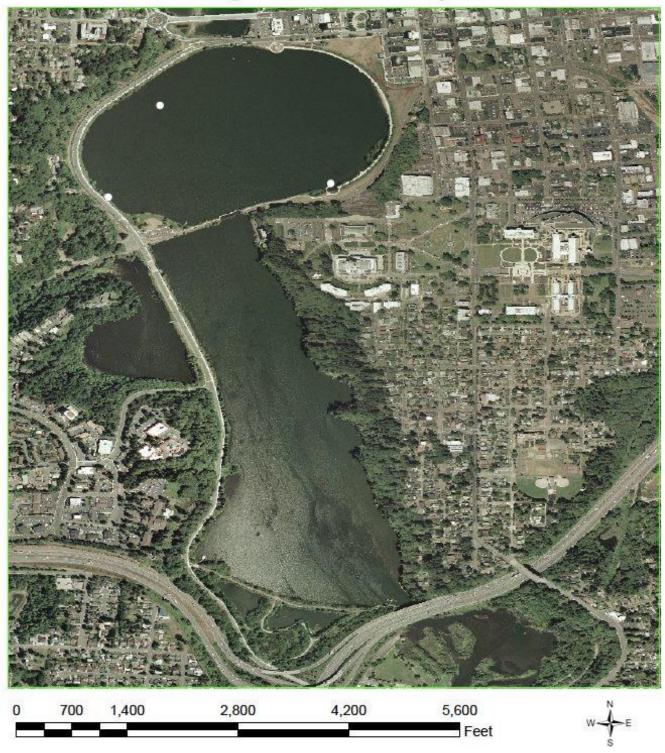




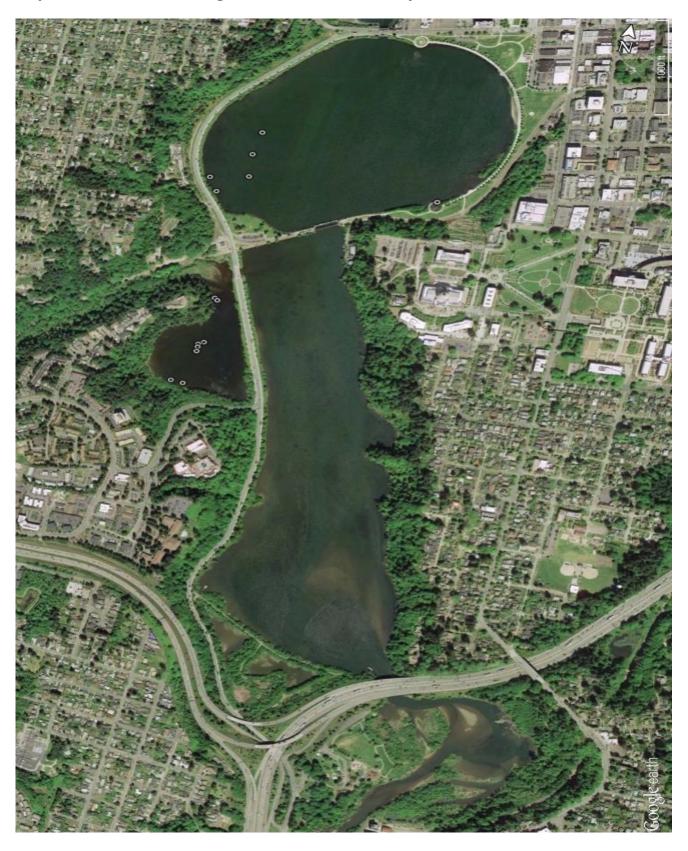
Northwest Aquatic Management, LLC (360) 481-8479 NWAQUA.COM

Capitol Lake

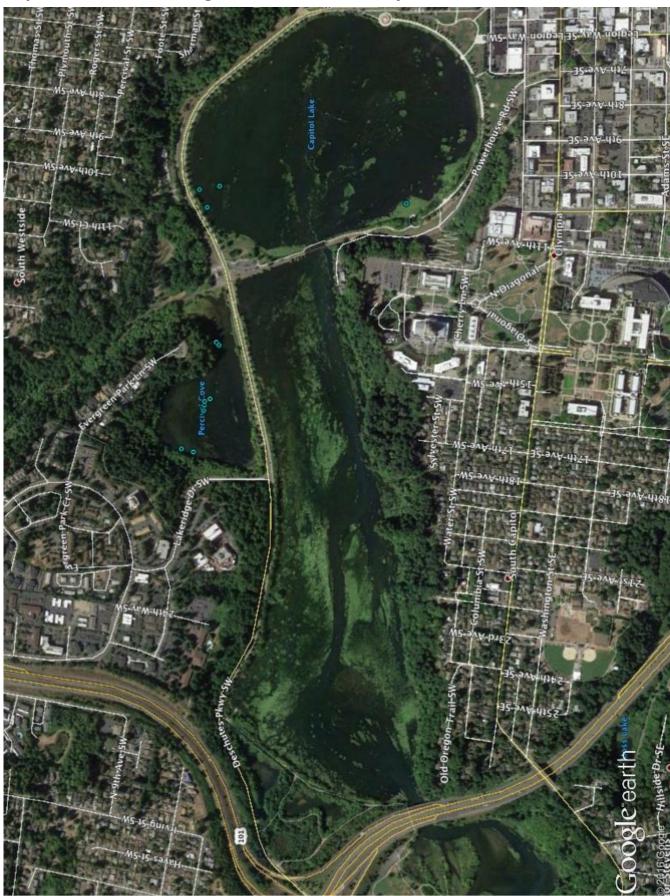
2014 Fragrant White Water Lily Infestation



Capitol Lake - 2015 Fragrant White Water Lily Infestation



Capitol Lake - 2016 Fragrant White Water Lily Infestation



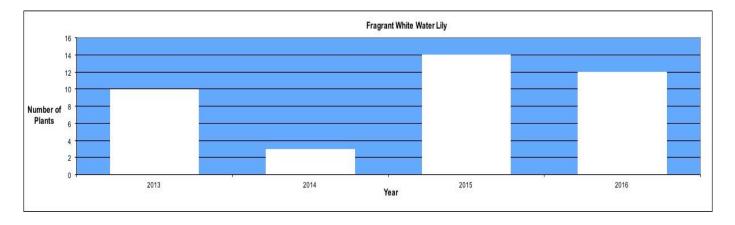
Assessment

In relative terms to other Western Washington Lakes this is considered a very small infestation. All locations consisted of less than one dozen pads. White Water Lilies have the ability to spread across several acres forming a canopy over areas of the lake, blocking all sunlight from other plant life. This often leads to anaerobic conditions.

The 2014 Survey of Fragrant White Water Lilies resulted in the recording of 3 locations on Capitol Lake and several in Percival Cove. The plants in Percival Cove were not mapped in 2014 due to the infestation of Eurasian Watermilfoil. We felt it was best to minimize activity in the Eurasian Watermilfoil infestation site to avoid fragmentation.

The 2015 survey of Fragrant White Water Lilies resulted in the recording of 6 locations on Capitol Lake and 8 locations in Percival Cove. The pads on Capitol Lake are consistent with the same locations as in 2014 survey.

The 2016 survey of Fragrant White Water Lilies resulted in the recording of 4 locations on Capitol Lake and 8 locations in Percival Cove. The pads on Capitol Lake have declined from 2015. The pads on Percival Cove are consistent with the locations as in 2015 survey.



Control Activities

Fragrant White Water Lilies were cut three times during the summer to control their growth.

Proposed Management

Continued cutting to achieve carbohydrate depletion over multiple seasons will result in the eradication of the Fragrant White Water Lilies.

Japanese Knotweed (Fallopia japonica)

Assessment

Japanese Knotweed is a Class B noxious weed, which should be controlled to prevent its spread.

The 2016 survey observed no new infestations. The location that Department of Enterprise Services staff was concerned about in 2015 was not located on DES property and was not an early infestation.

Control Activities

The Thurston County Noxious Weed Board and the City of Tumwater should both be regularly notified of the issue.

Proposed Management

If a Japanese Knotweed infestation is found of DES property, then it will be controlled accordingly. Japanese Knotweed is most commonly controlled by stem injection with glyphosate. This management strategy is effective but requires special equipment and is time consuming. A spray solution of 2% glyphosate and 1% Imazapyr and a foliar application between the months of mid-July and mid-September has also been very effective, roughly a 95% kill rate. Besides the chemical solution mentioned previously, Tim Wilson from Thurston County Noxious Weeds, has also recommended a straight 2% spray solution of Imazapyr for treatment of Japanese Knotweed.

Further inquiry should be made to assure there is a work program in affect to control the surrounding infestations.

Attachments

Appendix A - WSDA Letter of Limited Agent Status



STATE OF WASHINGTON

DEPARTMENT OF AGRICULTURE

PLANT PROTECTION DIVISION
P.O. Box 42560 • Olympia, Washington 98504-2560 • Phone (360) 902-1908 •Fax (360) 902-2094

LETTER of LIMITED AGENT STATUS March 14, 2016

I. ENTITY WITH LIMITED AGENT STATUS

Name of Entity:	Northwest Aquatic Manage	ement, LLC	
Name:	Kyle Steelhammer		
Mailing Address:	9727 Hwy 12 W #815		*
City:	Rochester	State:	WA
ZIP + 4:	98579		
E-Mail Address:	kyle@nwaqua.com		
Daytime Phone:	360-870-4362	Cell Phone:	

II. WATERBODY AND HERBICIDE INFORMATION

Waterbody Name	County		Target Weed	Herbicide
Capital Lake	Thurston	Deschutes	Lythrum salicaria (Purple Loosestrife), Iris pseudacorus (Yellow Flag Iris)	Glyphosate
Capitol lake	Thurston	Deschutes	Purple Loosestrife, Yellow Flag Iris	Imazapyr

Dear Applicant:

This Letter of Limited Agent Status constitutes a formal acceptance by the Washington State Department of Agriculture (WSDA) of the "Application and Agreement for Limited Agent Status for Aquatic Noxious Weed Control under WSDA's National Pollutant Discharge Elimination System General Permit" (hereinafter, "Application for Limited Agent Status") submitted by the above-named entity.

As set forth in the Application for Limited Agent Status and agreed to in this Letter of Limited Agent Status, WSDA hereby enters into a contract with the above-named entity (Section I), under which the entity acts as a limited agent to carry out noxious emergent and quarantine weed control for WSDA under the "Aquatic Noxious Weed Management General Permit National Pollutant Discharge Elimination System Waste Discharge General Permit" (hereinafter, "Permit") issued to WSDA on February 17, 2012.

1

This limited agent status applies to only the noxious weed control and/or eradication activities described in the Application for Limited Agent Status (Section II). This limited agent status covers only treatments conducted by the above-named entity and treatments conducted under contract on behalf of the above-named entity. This coverage terminates December 31, 2016. Direct in-water treatment of aquatic weeds is not allowed under this agreement.

The above-named entity agrees to comply with all terms, conditions, and requirements included or referenced in the Application for Limited Agent Status, Permit and appropriate state, federal and local laws. WSDA issues this Letter of Limited Agent Status in specific reliance on the representations and agreements made by the entity in the Application for Limited Agent Status and WSDA intends that the entity comply with all terms, conditions, and requirements included or referenced in the Application for Limited Agent Status and the Permit.

Further information and the Permit language can be found at the following URL.

http://www.ecy.wa.gov/programs/wq/pesticides/final_pesticide_permits/noxious/noxious_index.html

If any notification to WSDA is required under the Application for Limited Agent Status, that notification must be made to James Marra at (360) 902-2071 or jmarra@agr.wa.gov.

Sincerely

James Marra, Ph.D. Pest Program Manager

Appendix B – Yellow Flag Iris*

and it must be rem-	st be completed same day as ned for 7 years (Ref. chapter	17.21 (0044)			14-17	301-4
A. Date of Application - Year: 2016	Month: 6		2002013	62		
B. Firm Name: NW Aquatic Management LLC		Telephone No.:	120000000000000000000000000000000000000	10.2		
Commercial Applicator's Name: Kyle Steelhammer		License No.: 9	Add not the own	11521		_
Street Address: 19925 Tahoma Circle SW	City: Rochest	er	State: WA	Zip	98579	
C. Name of person(s) who applied the pesticide:	eff Hour	e				
License No(s): 80509					00	
D. Pesticide Information (list all information for each pesticide	including spray adjuvants (bu	offer, surfactant, d	ye, etc.) in t	he tank n centratio	nix):	
Full Product Name	EPA Reg. No.	Amount of tank	(Lbs., Qts., omix. Amount	etc.) of bra	ind per 100 g	allons ified.
Aquamaster(Glyphosate)	000524-00343	12.5 Qua	rts/100 Ga	llons		
LI 700—Phosphatidycholine methylacetic acid and alkyl polyoxyethlene ether	034704-50035	2 Quarts	/100 Gallor	ns		
E. Application crop or site: Wetlands G. Record the following information for the specific conditions		us License Plate f	to. Backp	ack.		
	AMOUNT APPLIED	AREA TREATED	START & STOP	TEMP	W	NND-
			Annual Control	210	DIR	(n
(a) Iuli name (b) complete address	(gate of mix)	(sq. ft., etc.)	TIME			
		Spot Treatment	6:30,000	761	No	1
(a) Iuli name (b) complete address	(gate, of mix)	Spot	6:30pm	75	NW	1.
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General Administration, Capitol Lake 210 11th Ave SW GA Bldg, Rm 201 Olympia, W/ 98504	(gala: of mar)	Spot Treatment Yellow Flag Iris	6:30pm 6:45pm	74	NW	1.
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1. a) General Administration, Capitol Lake 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b) 4. a) b) 5. a)	(gala: of mar)	Spot Treatment Yellow Flag Iris Spot Treatment Purple	6:30pm 6:45pm	74	NW	1.
1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b) 4. a) b) 5. a) b) 6. a)	(pain of mar)	Spot Treatment Yellow Flag Iris Spot Treatment Purple	6:30pm 6:45pm	74	NW	1.
1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b) 4. a) b) 5. a) b) 6. a) b)	(pain of mar)	Spot Treatment Yellow Flag Iris Spot Treatment Purple	6:30pm 6:45pm	74	NAV	1.

A. Date of Application - Year: 2016	retained for 7 years (Ref. cha Month:			ay: 🚊	24		
B. Firm Name: NW Aquatic Management LLC		Tele	hone No.	36087	04362		
Commercial Applicator's Name: Kylic Steelhammer		Lice	nse No.: 5	00015			
Street Address: 19925 Tahoma Circle SW	City: Rock	hester		State: W	/A Zip	98579	
C. Name of person(s) who applied the pesticide: Jcff I	lowe						
License No(s): 80509							
D. Pesticide Information (list all information for each pesti	cide including spray adjuvants	(buffer, su	rfactant, d	ye, etc.)	in the tank m	nix):	
Full Product Name	EPA Reg. No	0.	Amount	(Lbs., Q	concentrations, etc.) of bracount and unit of	nd per 100	gallons.
Aquamaster(Glyphosate)	000524-00343		12.5 Qua			(tast on ap	
.1 700Phosphatidycholine methylacetic acid and a solyoxyethlene ether	dkyl 034704-50035		2 Quarts	/100 Ga	llons		
E. Application crop or site: Wetlands		aratus Licer	se Plate I	vo. Bac	kpack		
G. Record the following information for the specific condi-	tions during each application:						
GUSTOMER (a) full name (b) complete address	AMOUNT APPLII (gala. of min)		TREATED B. (60.)	START & STOP TIME	TEMP F	DIR	
	AMOUNT APPLIE			& STOP		DIR	WIND VEL.
(a) full name (b) complete address	AMOUNT APPLIE	Tre Yell	ipot	& STOP TIME	- F'	SW	VEL
a) General Administration, Capitol Lake 210 11 th Ave SW GA Bidg, Rm 201 Olympia.	AMOUNT APPLIE	Tre Yell	ipot atment ow Flag	* STOP TIME	55	S W	VEL
a) General Administration, Capitol Lake 210 11 th Ave SW GA Bldg, Rm 201 Olympia, 98504	AMOUNT APPLIF	Tre Yell Tre P	pot atment ow Flag Iris	* STOP TIME	55	SW	VEL
b) General Administration, Capitol Lake b) 210 11 th Ave SW GA Bldg, Rm 201 Olympia. 98504 General Administration, Capitol Lake 210 11 th Ave SW GA Bldg, Rm 201 Olympia. 310 11 th Ave SW GA Bldg, Rm 201 Olympia.	AMOUNT APPLIF	Tre Yell Tre P	pot atment ow Flag lris spot atment urple	* STOP	55	SW	VEL
b) General Administration, Capitol Lake 210 11 th Ave SW GA Bldg, Rm 201 Olympia, 98504 2 a) General Administration, Capitol Lake b) 210 11 th Ave SW GA Bldg, Rm 201 Olympia, 98504	AMOUNT APPLIF	Tre Yell Tre P	pot atment ow Flag lris spot atment urple	* STOP	55	SW	VEL
b) General Administration, Capitol Lake b) 98504 2 a) General Administration, Capitol Lake c) 98504 2 a) General Administration, Capitol Lake c) 210 11 th Ave SW GA Bldg, Rm 201 Olympia, b) 98504 3 a)	AMOUNT APPLIF	Tre Yell Tre P	pot atment ow Flag lris spot atment urple	* STOP	55	SW	VEL
1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, 98504 3. a) 6 b) 6 b) 6 6 6 7 7 8 8 8 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9	AMOUNT APPLIF	Tre Yell Tre P	pot atment ow Flag lris spot atment urple	* STOP	55	SW	VEL
1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bidg, Rm 201 Olympia, 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bidg, Rm 201 Olympia, 98504 3. a) b) b) b)	AMOUNT APPLIF	Tre Yell Tre P	pot atment ow Flag lris spot atment urple	* STOP	55	SW	VEL
t. a) General Administration, Capitol Lake b) 210 11 th Ave SW GA Bldg, Rm 201 Olympia, 98504 2. a) General Administration, Capitol Lake b) 210 11 th Ave SW GA Bldg, Rm 201 Olympia, 98504 3. a) b)	AMOUNT APPLIF	Tre Yell Tre P	pot atment ow Flag lris spot atment urple	* STOP	55	SW	VEL
t. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, 98504 2 a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, 98504 3 a) b) 4 a) b)	AMOUNT APPLIF	Tre Yell Tre P	pot atment ow Flag lris spot atment urple	* STOP	55	SW	VEL
(a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, 98504 3. a) b) 4. a) b) 5. a) b) 6. a)	AMOUNT APPLIF	Tre Yell Tre P	pot atment ow Flag lris spot atment urple	* STOP	55	SW	VEI
t. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, 98504 3. a) b) 4. a) b) 6. a) b)	AMOUNT APPLIF	Tre Yell Tre P	pot atment ow Flag lris spot atment urple	* STOP	55	SW	VE
(a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, 98504 3. a) b) 4. a) b) 5. a) b) 6. a) b)	AMOUNT APPLIF	Tre Yell Tre P	pot atment ow Flag lris spot atment urple	* STOP	55	SW	VEI



PESTICIDE APPLICATION RECORD (Version 4)

NOTE: This form must be completed same day as the application and it must be retained for 7 years (Ref. chapter 17.21 RCW)

Washington State Department of Agriculture Pesticide Management Division
PO Box 42560
Olympia WA 98504-2560
(877) 301-4555

Commercial Applicator's Name: Kyle Steelhammer Street Address: 19925 Tahoma Circle SW Name of person(s) who applied the pesticide: Jeff Howe License No(s): 80509 Pesticide Information (list all information for each pesticide including spray adjuvants (buffer, Full Product Name EPA Reg. No. Jamaster(Glyphosate) O00-Phosphatidycholine methylacetic acid and alkyl voxyethlene ether Application crop or site: Wetlands Record the following information for the specific conditions during each application: Customer (a) full name (b) complete address a) General Administration, Capitol Lake 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA General Administration, Capitol Lake 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA General Administration, Capitol Lake 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA	Amount of tank n 12.5 Quarts/1	e, etc.) in Cor (Lbs., Ots., nix Amour ts/100 Gi	Zip: the tank mit ncentration etc.) of bran- et and unit mit allons	v d per 100 ga ust be specif	alions fied.
Commercial Applicator's Name: Kyle Steelhammer Street Address: 19925 Tahoma Circle SW City: Rochester Name of person(s) who applied the pesticide: Jeff Howe License No(s): 80509 Pesticide Information (list all information for each pesticide including spray adjuvants (buffer, Full Product Name EPA Reg. No. namaster(Glyphosate) 000524-00343 004704-50035 Application crop or site: Wetlands Record the following information for the specific conditions during each application: CUSTOMER (a) full reare (b) complete address a) General Administration, Capitol Lake 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 a) General Administration, Capitol Lake 5 Table 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 b) 98504 c) City: Rochester	Standard Sta	e, etc.) in Cor (Lbs., Qts., nbx. Amounts/100 Gillo 00 Gallo o. Backy	the tank mincentration etc.) of brank and unit minalions	x): t d per 100 ga ust be specif	ned.
Street Address: 19925 Tahoma Circle SW Name of person(s) who applied the pesticide: Jeff Howe License No(s): 80509 Pesticide Information (list all information for each pesticide including spray adjuvants (buffer, Full Product Name EPA Reg. No. amaster(Glyphosate) 000524-00343 000-Phosphatidycholine methylacetic acid and alkyl 034704-50035 Application crop or site: Wetlands F. Apparatus License Record the following information for the specific conditions during each application: CUSTOMER (a) full name (b) complete address a) General Administration, Capitol Lake Description (pair, of mio) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 a) General Administration, Capitol Lake 5 The second of the	Amount of tank in 12.5 Quarts/1 2 Quarts/1 conserve Plate Notes a TREATED and it, etc.) Spot	e, etc.) in Cor Cor (Lbs., Qts., nix. Amour ts/100 Gi 00 Gallo	the tank mincentration etc.) of brank and unit minalions	x): t d per 100 ga ust be specif	ned.
Name of person(s) who applied the pesticide: Jeff Howe License No(s): 80509 Pesticide Information (list all information for each pesticide including spray adjuvants (buffer, Full Product Name EPA Reg. No. immaster(Glyphosate) 000524-00343 OO—Phosphatidycholine methylacetic acid and alkyl ooxyethlene ether Application crop or site: Wetlands F. Apparatus License Record the following information for the specific conditions during each application: CUSTOMER (a) full name (b) complete address a) General Administration, Capitol Lake Cip. Town 100 Complete address Cip. Town 100 Complet	Amount of tank in 12.5 Quarts/I 2 Quarts/I cense Plate Notes A TREATED leg ft, etc.) Spot	Cor (Lbs. Qts., risk Amour ts/100 G 00 Gallo 0. Backy start a stop Time	etc.) of brand and unit mi allons onts	v d per 100 ga ust be specif	ned.
Pesticide Information (list all information for each pesticide including spray adjuvants (buffer, Full Product Name EPA Reg. No. amaster(Glyphosate) 000524-00343 034704-50035 O04704-50035 Application crop or site: Wetlands Record the following information for the specific conditions during each application: CUSTOMER (a) full name (to) complete address a) General Administration, Capitol Lake b) 98504 a) General Administration, Capitol Lake (210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 a) General Administration, Capitol Lake (210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 a) b) 98504 b) 98504 c) c	Amount of tank in 12.5 Quarts/I 2 Quarts/I cense Plate Notes A TREATED leg ft, etc.) Spot	Cor (Lbs. Qts., risk Amour ts/100 G 00 Gallo 0. Backy start a stop Time	etc.) of brand and unit mi allons onts	v d per 100 ga ust be specif	ned.
Pesticide Information (list all information for each pesticide including spray adjuvants (buffer, Full Product Name EPA Reg. No. amaster(Glyphosate) 000524-00343 000-Phosphatidycholine methylacetic acid and alkyl 034704-50035 oxyethlene ether 034704-50035 oxyethlene ether F. Apparatus Lic Customer (a) full name (b) complete address Amount APPLIED (galls, of mix) AR (galls	Amount of tank in 12.5 Quarts/I 2 Quarts/I cense Plate Notes A TREATED leg ft, etc.) Spot	Cor (Lbs. Qts., risk Amour ts/100 G 00 Gallo 0. Backy start a stop Time	etc.) of brand and unit mi allons onts	v d per 100 ga ust be specif	ned.
Full Product Name EPA Reg. No. Immaster(Glyphosate) O00524-00343 O34704-50035 Application crop or site: Wetlands Record the following information for the specific conditions during each application: CUSTOMER (II) full name (Ib) complete address AMOUNT APPLIED (gala, of max) AS General Administration, Capitol Lake 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 a) General Administration, Capitol Lake 5 T 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 b) 98504 c) Complete address CUSTOMER (II) 11th Ave SW GA Bldg, Rm 201 Olympia, WA D1 11th Ave SW GA Bldg, Rm 201 Olympia, WA D2 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D3 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D4 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D5 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D6 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D6 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D7 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D8 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D8 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D8 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D8 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D8 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D8 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D8 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D8 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D8 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D8 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA D8 10 11th Ave SW GA Bldg, Rm 201 Olympia, WA	Amount of tank in 12.5 Quarts/I 2 Quarts/I cense Plate Notes A TREATED leg ft, etc.) Spot	Cor (Lbs. Qts., risk Amour ts/100 G 00 Gallo 0. Backy start a stop Time	etc.) of brand and unit mi allons onts	v d per 100 ga ust be specif	ned.
Application crop or site: Wetlands F. Apparatus Lice Record the following information for the specific conditions during each application: CUSTOMER (a) full name (b) complete address a) General Administration, Capitol Lake (b) 98504 a) General Administration, Capitol Lake (a) General Administration, Capitol Lake (b) 98504 b) General Administration, Capitol Lake (c) Complete address (d) Complete addres	2 Quarts/I	o. Backy	pack		ND.
Application crop or site: Wetlands F. Apparatus Lix Record the following information for the specific conditions during each application: CUSTOMER (a) full name (b) complete address a) General Administration, Capitol Lake 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 a) General Administration, Capitol Lake 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 b) 98504 L 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA b) 98504 b) 98504 c) T	ea TREATED ag 11, stc.) Spot	START & STOP	pack		ND.
Record the following information for the specific conditions during each application: CUSTOMER (IN) full name (IN) complete address a) General Administration, Capitol Lake 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 a) General Administration, Capitol Lake 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA b) 98504 b) 98504 L a) L b) 98504	EA TREATED ING. R., MO.)	START & STOP TIME	TEMP		ND ND
Record the following information for the specific conditions during each application: CUSTOMER (a) full name (b) complete address a) General Administration, Capitol Lake 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 a) General Administration, Capitol Lake 5 T 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 b) 98504 L b) 98504 L customer AMOUNT APPLED (gath, of mix) T T L Customer AR Customer	Spot	& STOP TIME	TEMP F*		ND
CUSTOMER (a) full name (b) complete address a) General Administration, Capitol Lake 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 a) General Administration, Capitol Lake 5 T 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA b) 98504 L a) b)	Spot	& STOP TIME	TEMP F*		NIC2
a) General Administration, Capitol Lake 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 a) General Administration, Capitol Lake 5 T 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 b) 98504 L a) b)	Spot			DIR	VEL (mph)
b) 98504 a) General Administration, Capitol Lake		8,30	51	5 4	21
210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA b) 98504 L a) b)	llow Flag Iris	1:30	18		1-5
b) 98504 L	Spot reatment				
b)	Purple oosestrife				
a)					
b)					_
a)					-
b)					
a)					_
b)					
a)					-
b)					
a)					
b)					



AGR FORM 640-4234 (RH/07)

PESTICIDE APPLICATION RECORD (Version 4)
NOTE: This form must be completed same day as the application and it must be retained for 7 years (Ref. chapter 17.21 RCW)

Washington State Department of Agriculture Pesticide Management Division PO Box 42560 Olympia WA 98504-2560 (877) 301-4555

A. Date of Application - Year: 2016 N	Nonth: 7	D	ay: /			
B. Firm Name: NW Aquatic Management LLC		Telephone No.	360870	4362		
Commercial Applicator's Name: Kyle Steelhammer		License No.: 9	90015			
Street Address: 19925 Tahoma Circle SW	City: Roches	ter	State: W/	Zip	98579	
C. Name of person(s) who applied the pesticide: Jeff Howe						
License No(s): 80509						
D. Pesticide Information (list all information for each pesticide inc	luding spray adjuvants (b	uffer, surfactant, o	tye, etc.) in	the tank m	ibt):	
Full Product Name	EPA Reg. No.	Amount of tank	(Lbs., Qts.	ncentratio , etc.) of brar nt and unit m	nd per 100 g	allons ified.
Aquamaster(Glyphosate)	000524-00343	12.5 Qua	urts/100 C	allons		
LI 700Phosphatidycholine methylacetic acid and alkyl polyoxyethlene ether	034704-50035	2 Quarts	/100 Gall	ons		
E. Application crop or site: Wetlands	F. Apparab	us License Plate I	No. Back	pack		
G. Record the following information for the specific conditions du	ring each application:					
CUSTOMER (a) full name (b) complete address	AMOUNT APPLIED (gals, of mix)	AREA TREATED (NQ. R., etc.)	& START & STOP TIME	TEMP F ¹	DIR	VE (mp
General Administration, Capitol Lake	1 9.11	Spot Treatment	8.30	59	5W	2
210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504		Yellow Flag Iris	1:30	18		<i>J</i>
2. a) General Administration, Capitol Lake	.5	Spot Treatment				
b) 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504		Purple Loosestrife				
3. a)						
b)						
4. a)						
b)						
5. a)						
b)						
6. a)						
b)						
7. a)						
b)						
8. a)						



	be completed same day as id for 7 years (Ref. chapter Month:	17.21 RCW)	New 1 of		(877)	
COLE	Nontri.	HOLD TO SELECT HOLD SO AND	Day: 2 9	262		
B. Firm Name: NW Aquatic Management LLC		Telephone No		302		
Commercial Applicator's Name: Kyle Steelhammer	59005550000	License No.:		14.0	*******	-
Street Address: 19925 Tahoma Circle SW	City: Rochest	er	State: WA	Zip	98579	
C. Name of person(s) who applied the pesticide:						
License No(s): 80509						
D. Pesticide Information (list all information for each pesticide inc	duding spray adjuvants (bu	iffer, surfactant,				
Full Product Name	EPA Reg. No.		t (Lbs., Qts., k mix. Amoun		nd per 100 g	
Aquamaster(Glyphosate)	000524-00343		arts/100 Ga			
.1 700Phosphatidycholine methylacetic acid and alkyl solyoxyethlene ether	034704-50035	2 Quarts	/100 Gallo	ns		
E. Application crop or site: Wetlands	F. Apparats	s License Plate	No. Backp	ack		
E. Application crop or site: Wetlands G. Record the following information for the specific conditions du		us License Plate		ack		
		AREA TREATED (sq. ft., etc.)	No. Backp	TEMP p*	W DIR	ND VEL (mph)
G. Record the following information for the specific conditions du CUSTOMER	ring each application:	AREA TREATED	START & STOP	TEMP		VEL
G. Record the following information for the specific conditions du CUSTOMER (a) full name (b) complete address	AMOUNT APPLIED (gals. of mix)	AREA TREATED (sq. ft., etc.)	START & STOP TIME	TEMP p*	DR	VEL
G. Record the following information for the specific conditions du CUSTOMER (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA	AMOUNT APPLIED (gals. of mix)	AREA TREATED ((iq ft. etc.) Spot Treatment Yellow Flag Iris Spot	START & STOP TIME	TEMP F	DR	VEL
G. Record the following information for the specific conditions du CUSTOMER (IN) Sull name (IN) Complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504	AMOUNT APPLIED (galls. of min)	AREA TREATED (10g ft. 96c.) Spot Treatment Yellow Flag Iris	START & STOP TIME	TEMP F	DR	VEL
CUSTOMER (a) Null name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. b) General Administration, Capitol Lake b) 98504	AMOUNT APPLIED (galls. of min)	AREA TREATED ((sq. ft., etc.) Spot Treatment Yellow Flag Iris Spot Treatment Purple	START & STOP TIME	TEMP F	DR	VEL
CUSTOMER (a) Sull name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. b) General Administration, Capitol Lake b) 98504	AMOUNT APPLIED (gals. of mix)	AREA TREATED ((sq. ft., etc.) Spot Treatment Yellow Flag Iris Spot Treatment Purple	START & STOP TIME	TEMP F	DR	VEL
Customer (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b)	AMOUNT APPLIED (gals. of mix)	AREA TREATED ((sq. ft., etc.) Spot Treatment Yellow Flag Iris Spot Treatment Purple	START & STOP TIME	TEMP F	DR	VEL
Customer (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b)	AMOUNT APPLIED (gals. of mix)	AREA TREATED ((sq. ft., etc.) Spot Treatment Yellow Flag Iris Spot Treatment Purple	START & STOP TIME	TEMP F	DR	VEL
Customer (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 98504 3. a) b) 4. a) b)	AMOUNT APPLIED (gals. of mix)	AREA TREATED ((sq. ft., etc.) Spot Treatment Yellow Flag Iris Spot Treatment Purple	START & STOP TIME	TEMP F	DR	VEL
Customer (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 98504 3. a) b)	AMOUNT APPLIED (gals. of mix)	AREA TREATED ((sq. ft., etc.) Spot Treatment Yellow Flag Iris Spot Treatment Purple	START & STOP TIME	TEMP F	DR	VEL
Customer (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b) 4. a) b) 5. a)	AMOUNT APPLIED (gals. of mix)	AREA TREATED ((sq. ft., etc.) Spot Treatment Yellow Flag Iris Spot Treatment Purple	START & STOP TIME	TEMP F	DR	VEL
Customer (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake b) 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b) 4. a) b)	AMOUNT APPLIED (gals. of mix)	AREA TREATED ((sq. ft., etc.) Spot Treatment Yellow Flag Iris Spot Treatment Purple	START & STOP TIME	TEMP F	DR	VEL
Customer (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b) 4. a) b) 6. a) b)	AMOUNT APPLIED (gals. of mix)	AREA TREATED ((sq. ft., etc.) Spot Treatment Yellow Flag Iris Spot Treatment Purple	START & STOP TIME	TEMP F	DR	VEL
G. Record the following information for the specific conditions du customer (a) sufficience (b) complete address 1. a) General Administration, Capitol Lake b) 98504 2. a) General Administration, Capitol Lake b) 98504 3. a) General Administration, Capitol Lake b) 98504 3. a) b) 6. a)	AMOUNT APPLIED (gals. of mix)	AREA TREATED ((sq. ft., etc.) Spot Treatment Yellow Flag Iris Spot Treatment Purple	START & STOP TIME	TEMP F	DR	VEL



Washington State Department of Agriculture
Pesticide Management Division
PO Box 42560
Olympia WA 98504-2560
(877) 301-4555

A. Date of Application - Year: 2016 M	onth:	1	Day: 18			
B. Firm Name: NW Aquatic Management LLC		Telephone No	3608704	362		
Commercial Applicator's Name: Kyle Steelhammer		License No.:	90015			
Street Address: 19925 Tahoma Circle SW	City: Rochest	ter	State: WA	Zip	98579	
C. Name of person(s) who applied the pesticide: Jeff Howe						
License No(s): 80509						
D. Pesticide Information (list all information for each pesticide incl	uding spray adjuvants (be	uffer, surfactant,	dye, etc.) in t	the tank m	ix):	
Full Product Name	EPA Reg. No.	Amour	Con tt (Lbs., Qts., sk mix. Amoun	etc.) of bran	nd per 100	gallons
Aquamaster(Glyphosate)	000524-00343		arts/100 Ga		ust be spe	Ciried.
LI 700Phosphatidycholine methylacetic acid and alkyl	-		s/100 Gallo			
polyoxyethlene ether	034704-50035	2 Quare	s/100 Gano	ns		
E. Application crop or site: Wetlands	F. Apparats	us License Plate	No. Backp	ack		
G. Record the following information for the specific conditions dur	ing each application:		START		,	WND
CUSTOMER (a) full reme (b) complete address	AMOUNT APPLIED (gails, of mix)	AREA TREATED (eq. ft., etc.)	A STOP TIME	TEMP F*	DIR	VEI (mpl
General Administration, Capitol Lake	1	Spot Treatment	6:30	61	NE	2
210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504		Yellow Flag Iris	9150	84	310000	5.0
2. a) General Administration, Capitol Lake	1.5	Spot Treatment				
210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504		Purple Loosestrife				
3. a)						
b)						_
4. a)						
			_			-
4. a)					_	
4. a)			_		_	
4, a) b) 5, a)						
4. a) b) 5. a) b)						
4. a) b) 5. a) b) 6. a) b) 7. a)						
4, a) b) 5. a) b) 6. a) b)						
4. a) b) 5. a) b) 6. a) b) 7. a)						

Appendix C – Purple Loosestrife*

NOTE: This form must be and it must be retained	DE COMPLETO RECOR DE COMPLETO SAME DE COMPLETO SAME DE COMPLETO SAME DE COMPLETO SAME DE CO	he application			mpia WA 9 (877	7) 301-455
	Month: 8		ay: 14			
B. Firm Name: NW Aquatic Management LLC		Telephone No.	36087043	62		
Commercial Applicator's Name: Kyle Steelhammer		License No.: 9	0015			
Street Address: 19925 Tahoma Circle SW	City: Rochester		State: WA	Zip	98579	
C. Name of person(s) who applied the pesticide: Jeff Howe						
License No(s): 80509						
D. Pesticide Information (list all information for each pesticide inc	cluding spray adjuvants (buff	fer, surfactant, d	ye, etc.) in t	he tank mi	br):	
Full Product Name	EPA Reg. No.	Amount	ilbs Ots.	centration etc.) of bran	n nd per 100	gallons
Puli Product Name		of tank	mix. Amount	and unit m	rust be spe	cified.
Aquamaster(Glyphosate)	000524-00343	12.5 Qua	rts/100 Ga	llons		
J 700Phosphatidycholine methylacetic acid and alkyl polyoxyethlene ether	034704-50035	2 Quarts	100 Gallo	ns		
E. Application crop or site: Wetlands	F. Annaratus	License Plate I	No. Backp	ack		7
 E. Application crop or site: Wetlands G. Record the following information for the specific conditions do 						
	The state of the s					WIND VEL
	AMOUNT APPLIED	AREA TREATED	& STOP	TEMP	100	
CUSTOMER (a) full name (b) complete address	AMOUNT APPLIED (gais of mix)	(sq.ft., etc.)	6 STOP TIME	TEMP F*	DIR	(mph)
CUSTOMER			& STOP	7.2	NE.	
CUSTOMER (ii) full name (ii) complete address 1. a) General Administration, Capitol Lake 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA		Spot Treatment Yellow Flag	6 STOP TIME			
CUSTOMER (a) full raeme (b) complete sources 1. a) General Administration, Capitol Lake 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504		Spot Treatment Yellow Flag Iris Spot	6 STOP TIME	72		
CUSTOMER (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake		Spot Treatment Yellow Flag Iris Spot Treatment	6 STOP TIME			
CUSTOMER (a) full raeme (b) complete sources 1. a) General Administration, Capitol Lake 210 11 th Ave SW GA Bldg, Rm 201 Olympia, WA 98504		Spot Treatment Yellow Flag Iris Spot	6 STOP TIME	72		
CUSTOMER (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA		Spot Treatment Yellow Flag Iris Spot Treatment Purple	6 STOP TIME	72		
CUSTOMER (8) full raeme (II) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504		Spot Treatment Yellow Flag Iris Spot Treatment Purple	6 STOP TIME	72		
CUSTOMER (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a)		Spot Treatment Yellow Flag Iris Spot Treatment Purple	6 STOP TIME	72		
CUSTOMER (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b)		Spot Treatment Yellow Flag Iris Spot Treatment Purple	6 STOP TIME	72		
CUSTOMER (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b) 4. a)		Spot Treatment Yellow Flag Iris Spot Treatment Purple	6 STOP TIME	72		
CUSTOMER (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b) 4. a) b)		Spot Treatment Yellow Flag Iris Spot Treatment Purple	6 STOP TIME	72		
CUSTOMER (a) full rarms (ti) complete soldress 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b) 4. a) b) 5. a)		Spot Treatment Yellow Flag Iris Spot Treatment Purple	6 STOP TIME	72		
CUSTOMER (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b) 4. a) b) 5. a) b)		Spot Treatment Yellow Flag Iris Spot Treatment Purple	6 STOP TIME	72		
CUSTOMER (a) full rarms (ti) complete address 1. a) General Administration, Capitol Lake 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b) 4. a) b) 5. a) b) 6. a)		Spot Treatment Yellow Flag Iris Spot Treatment Purple	6 STOP TIME	72		
CUSTOMER (a) full name (b) complete address 1. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b) 4. a) b) 5. a) b) 6. a) b)		Spot Treatment Yellow Flag Iris Spot Treatment Purple	6 STOP TIME	72		
CUSTOMER (a) full rarms (ti) complete address 1. a) General Administration, Capitol Lake 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 2. a) General Administration, Capitol Lake b) 210 11th Ave SW GA Bldg, Rm 201 Olympia, WA 98504 3. a) b) 4. a) b) 5. a) b) 6. a) b) 7. a)		Spot Treatment Yellow Flag Iris Spot Treatment Purple	6 STOP TIME	72		

^{* -} Some Application Records have both Yellow Flag Iris and Purple Loosestrife