



### PERMISSION TO INSPECT PROPERTY

By signing this permission form for submission with an application for a permit(s) to the Department of Environmental Conservation ("DEC"), the signer consents to inspection by DEC staff of the project site or facility for which a permit is sought and, to the extent necessary, areas adjacent to the project site or facility. This consent allows DEC staff to enter upon and pass through such property in order to inspect the project site or facility, without prior notice, between the hours of 7:00 a.m. and 7:00 p.m., Monday through Friday. If DEC staff should wish to conduct an inspection at any other times, DEC staff will so notify the applicant and will obtain a separate consent for such an inspection.

Inspections may take place as part of the application review prior to a decision to grant or deny the permit(s) sought. By signing this consent form, the signer agrees that this consent remains in effect as long as the application is pending, and is effective regardless of whether the signer, applicant or an agent is present at the time of the inspection. In the event that the project site or facility is posted with any form of "posted" or "keep out" notices, or fenced in with an unlocked gate, this permission authorizes DEC staff to disregard such notices or unlocked gates at the time of inspection.

The signer further agrees that during an inspection, DEC staff may, among other things, take measurements, may analyze physical characteristics of the site including, but not limited to, soils and vegetation (taking samples for analysis), and may make drawings and take photographs.

Failure to grant consent for an inspection is grounds for, and may result in, denial of the permit(s) sought by the application.

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Permission is granted for inspection of property located at the following address(es):

Saratoga Lake, 157 Nielson Road, Saratoga Springs, NY 12866

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*By signing this form, I affirm under penalty of perjury that I am authorized to give consent to entry by DEC staff as described above. I understand that false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.\**

Joe Finn SLPID Commissioner

JPF

3/12/2015

Print Name and Title

Signature

Date

\*The signer of this form must be an individual or authorized representative of a legal entity that:

- owns fee title and is in possession of the property identified above;
- maintains possessory interest in the property through a lease, rental agreement or other legally binding agreement; or
- is provided permission to act on behalf of an individual or legal entity possessing fee title or other possessory interest in the property for the purpose of consenting to inspection of such property.

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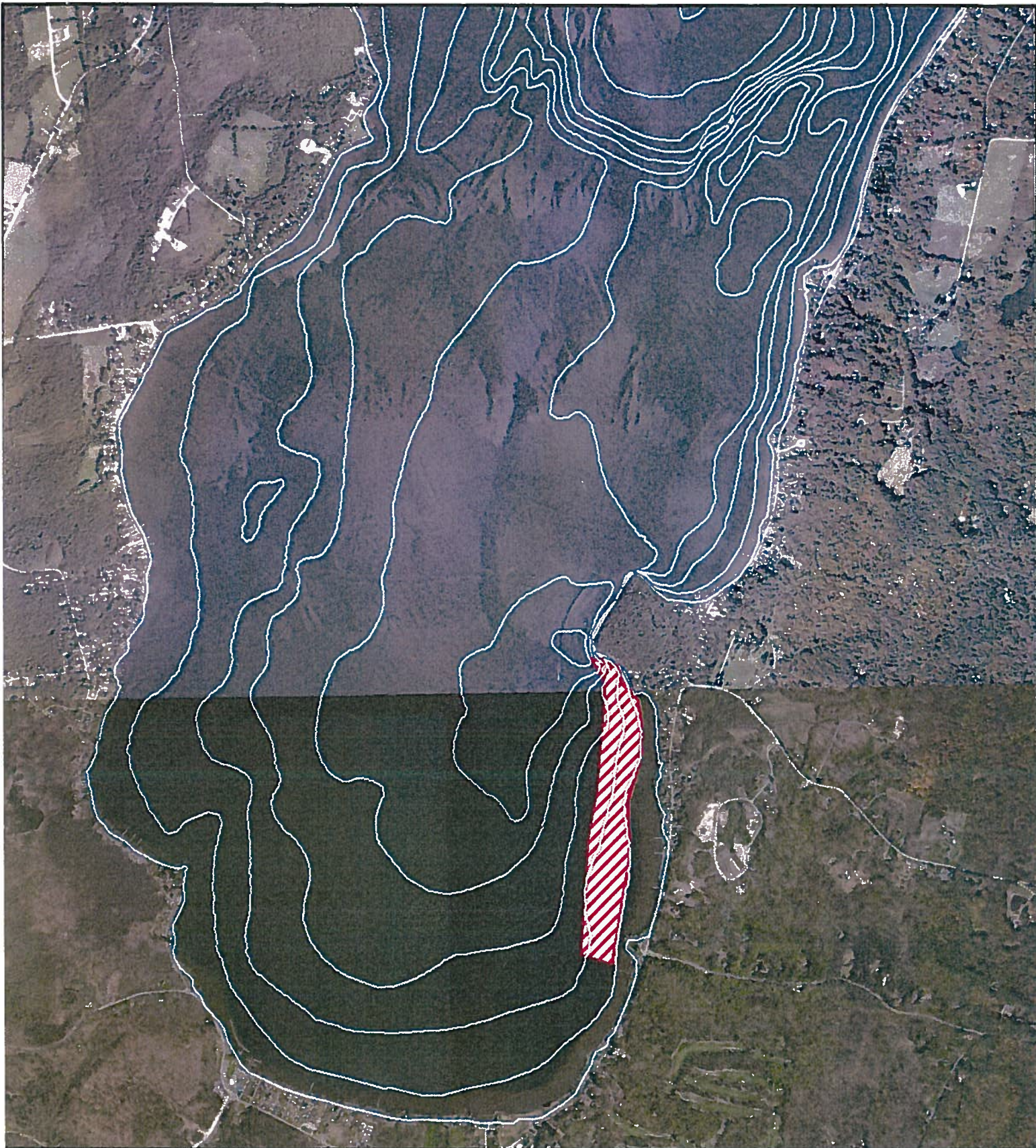
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## ***Attachment A***

### **Maps/Figures**

- Figure 1 – Proposed 2015 Treatment Area
- Figure 2 – Estimated Herbicide Dilution Area
- Figure 3 – Bathymetric Contours
- Figure 4 – NYS Freshwater Wetlands Map





**Saratoga Lake**

Saratoga, NY

Estimated Dilution Area

Legend:



2015 Potential Treatment Area (50 ac)



Bathymetry (6')



**AQUATIC CONTROL TECHNOLOGY**

11 JOHN ROAD  
 SUTTON, MASSACHUSETTS 01590  
 PHONE: (508) 865-1000  
 WEB: WWW.AQUATICCONTROLTECH.COM



FIGURE:	SURVEY DATE:	MAP DATE:
1	10/15/14	2/11/15

1

10/15/14

2/11/15

0 1,000 2,000 4,000 Feet










**Saratoga Lake**  
 Saratoga, NY  
 Estimated Dilution Area

Legend:

-  Estimated dilution area (~600 ac)
-  2015 Potential Treatment Area (50 ac)
-  Bathymetry (6')



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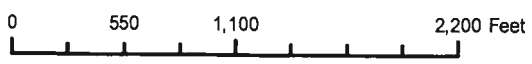
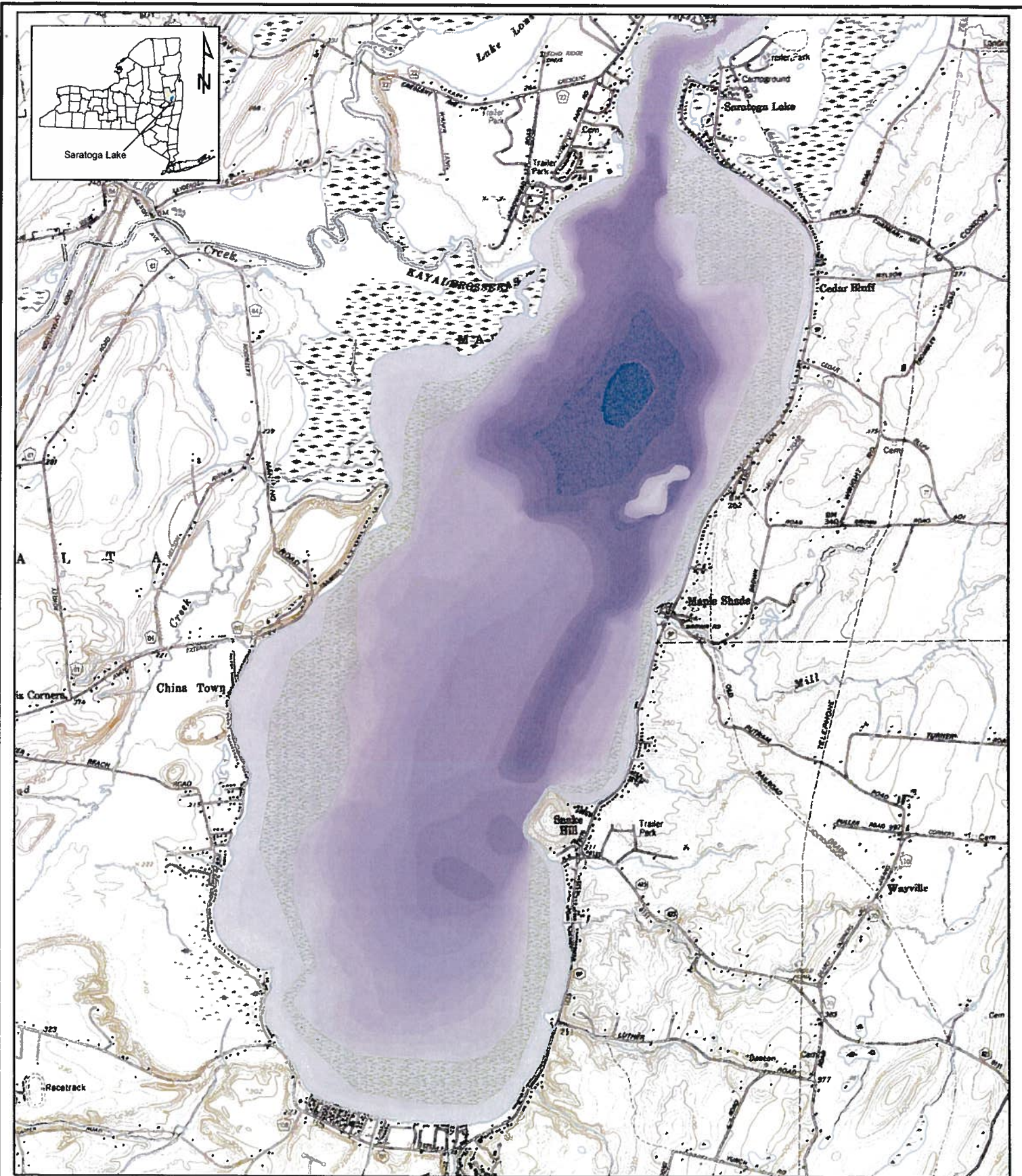


FIGURE:	SURVEY DATE:	MAP DATE:
1	10/15/14	2/11/15





**Saratoga Lake**  
 Updated Bathymetric Contours  
 Figure 3

SCALE:	DATE:	PROJECT:
1 : 18,000	March 2005	ACT Saratoga

**Legend:**

0 - 3	19 - 21	37 - 39	84 - 93	Eurasian watermilfoil beds mapped by DFWI Aug. 2004
4 - 6	22 - 24	40 - 43		
7 - 9	25 - 27	44 - 53		
10 - 12	28 - 30	54 - 63		
13 - 15	31 - 33	64 - 73		
16 - 18	34 - 36	74 - 83		

Universal Transverse Mercator Coordinate system  
 Zone 18 North, North American Datum 1927

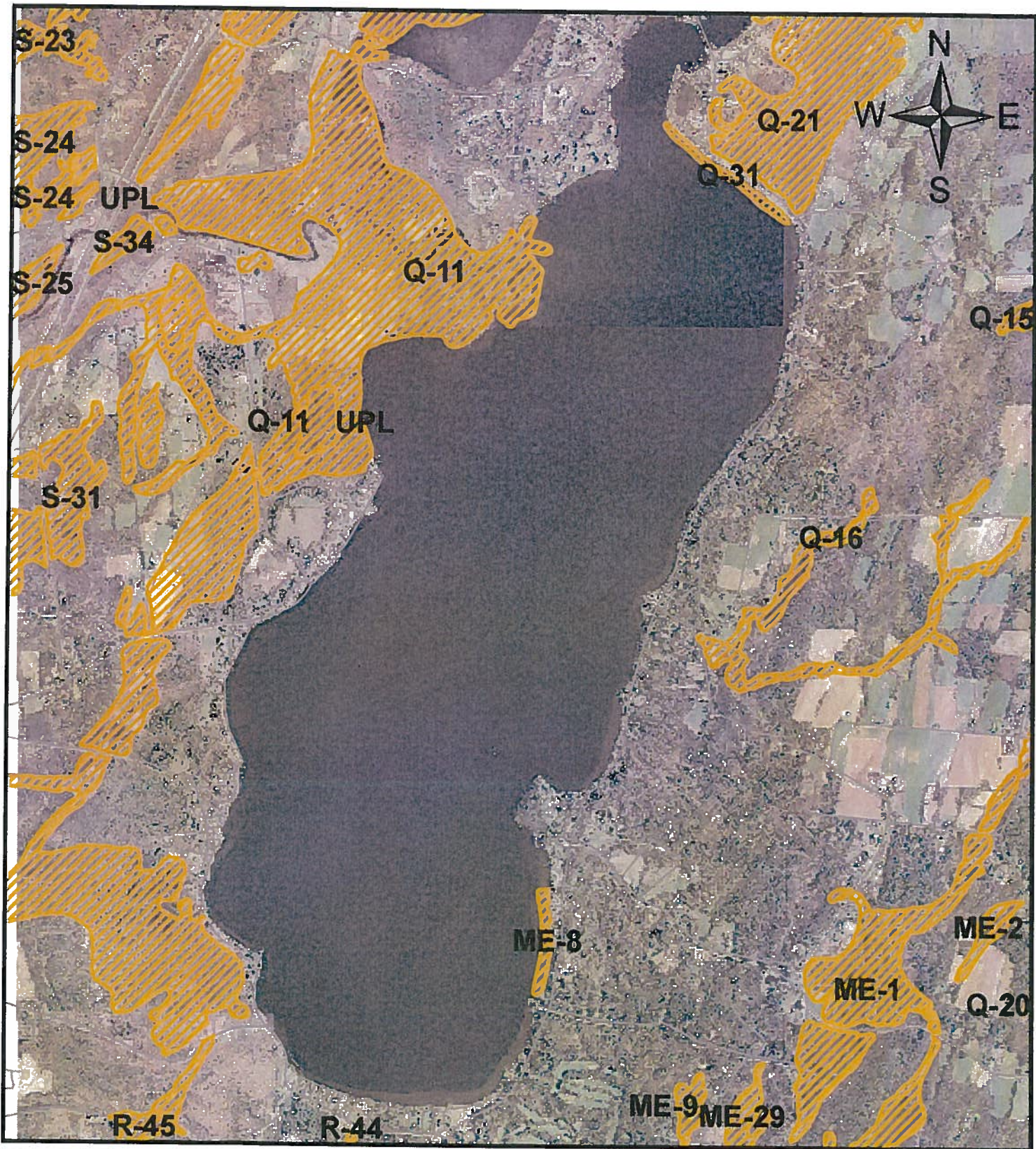
2,200    1,100    0    2,200  
Feet

**AQUATIC CONTROL TECHNOLOGY, INC.**  
 POND AND LAKE MANAGEMENT SPECIALISTS

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**SARATOGA LAKE**  
NYS Freshwater Wetlands Map

FIGURE:	SURVEY DATE:	MAP DATE:
4	--	2015

**Legend:**

NYS Freshwater Wetlands

3,500 1,750 0 3,500 Feet

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## ***Attachment B***

- Specimen Label for Sonar One – EPA Reg. No. 67690-45

DOC ID 534755

# Sonarone® Aquatic Herbicide

1073.20

March 22, 2013



An herbicide for management of aquatic vegetation in fresh water ponds, lakes, reservoirs, potable water sources, drainage canals, irrigation canals and rivers.

Active Ingredient	
fluridone: 1-methyl-3-phenyl-5-[β-(trifluoromethyl)phenyl]-4(1H) pyridinone.....	5.0%
Other Ingredients.....	95.0%
<b>TOTAL</b> .....	<b>100.0%</b>

Contains 0.05 pound active ingredient per pound of product.

## Keep Out of Reach of Children

# CAUTION / PRECAUCIÓN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Refer to the inside of the label booklet for additional precautionary information and Directions for Use including Storage and Disposal.

**NOTICE:** Read the entire label before using. Use only according to label directions. Before buying or using this product, read *Terms and Conditions of Use, Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies* inside label booklet.

SePRO is a registered trademark of SePRO Corporation.  
SePRO Corporation 11550 North Meridian Street, Suite 600, Carmel, IN 46032, U.S.A.  
EPA Reg. No. 67690-45  
EPA Est. No. 067690-NC-002  
FPL20120928  
107302

**Aquatic Herbicide**

**Net contents 20 pounds (Non-refillable)**

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if Swallowed. Causes moderate eye irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Avoid contact with eyes or clothing. Wear protective eyewear.

# KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of emergency endangering health or the environment involving this product, call INFOTRAC at 1-800-535-5053.	

## ENVIRONMENTAL HAZARDS

Do not apply to water except as specified on the label. Do not contaminate water outside the intended treatment area by disposal of equipment washwaters. Do not apply in tidewater/brackish water. Lowest rates should be used in shallow areas where the water depth is considerably less than the average depth of the entire treatment site, for example, shallow shoreline areas. Trees and shrubs growing in water treated with SonarOne herbicide may occasionally develop chlorosis. Follow use directions carefully so as to minimize adverse effects on non-target organisms.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.  
Read all *Directions for Use* carefully before applying.



## PRODUCT INFORMATION

SonarOne herbicide is a selective systemic aquatic herbicide for management of aquatic vegetation in fresh water ponds, lakes, reservoirs, drainage canals, irrigation canals, and rivers. SonarOne is a pelleted formulation containing 5% fluridone. SonarOne is absorbed from water by plant shoots and from hydrosol by the roots of aquatic vascular plants. It is important to maintain SonarOne in contact with the target plants for as long as possible. Rapid water movement or any condition which results in rapid dilution of SonarOne in treated water will reduce its effectiveness. In susceptible plants, SonarOne inhibits the formation of carotene. In the absence of carotene, chlorophyll is rapidly degraded by sunlight.

Herbical symptoms of SonarOne appear in 7 - 10 days and appear as white (chlorotic) or pink growing points. Under optimum conditions 20 - 80 days are required before the desired level of aquatic weed management is achieved with SonarOne. Species susceptibility to SonarOne may vary depending on time of year, stage of growth and water movement. For best results, apply SonarOne prior to initiation of weed growth or when weeds begin active growth. Application to mature target plants may require an application rate at the higher end of the specified rate range and may take longer to control.

SonarOne is not corrosive to application equipment.

This label provides recommendations on the use of a chemical analysis for the active ingredient. SePRO Corporation recommends the use of High-Performance Liquid Chromatography (HPLC) for the determination of the active ingredient concentration in the water. Contact SePRO Corporation to incorporate this test, known as a FastEST, into your treatment program. Other proven chemical analyses for the active ingredient may also be used. The FastEST is referenced in this label as the preferred method for the rapid determination of the concentration of the active ingredient in the water.

Application rates are provided in pounds of SonarOne to achieve a desired concentration of the active ingredient in part per billion (ppb). The maximum application rate or sum of all application rates is 30 ppb in ponds and 150 ppb in lakes and reservoirs per annual growth cycle. This maximum concentration is the amount of product calculated as the target application rate, NOT determined by testing the concentrations of the active ingredient in the treated water.

## Use Precautions and Restrictions

- Obtain Required Permits: Consult with appropriate state or local water authorities before applying this product to public waters. Permits and/or posting treatment notification may be required by state or local public agencies.
- New York State: Application of SonarOne is not permitted in waters less than two (2) feet deep, except as permitted under FIFRA Section 24(c), Special Local Need registration.
- Hydroponic Farming: Do not use SonarOne treated water for hydroponic farming unless a FastEST has been run and confirmed that concentrations are less than 1 ppb.
- Greenhouse and Nursery Plants: Consult with SePRO Corporation for site-specific recommendations prior to any use of SonarOne treated water for irrigating greenhouse or nursery plants. Without site-specific guidance from SePRO, do not use SonarOne treated water for irrigating greenhouse or nursery plants unless a FastEST has been run and confirmed that concentrations are less than 1 ppb.
- Water Use Restrictions Following Application with SonarOne (Days)

Application Rate	Drinking†	Fishing	Swimming	Livestock/Pet Consumption	Irrigation††
Maximum Rate (150 ppb) or less	0	0	0	0	See irrigation instructions below
Note below under Potable Water Intakes					
† Note below, under Irrigation, specific time frames or fluridone concentrations that provide the widest safety margin for irrigating with fluridone treated water.					

† Note below under Potable Water Intakes, the information for application of SonarOne within ¼ miles (1,320) feet of a functioning potable water intake.

†† Note below, under Irrigation, specific time frames or fluridone concentrations that provide the widest safety margin for irrigating with fluridone treated water.

**Potable Water Intakes:** Concentrations of the active ingredient fluridone up to 150 ppb are allowed in potable water sources; however, in lakes and reservoirs or other sources of potable water, do not apply SonarOne at application rates greater than 20 ppb within one-fourth (¼) mile (1,320 feet) of any functioning potable water intake. At application rates of 8-20 ppb, SonarOne may be applied within ¼ mile where functioning potable water intakes are present. NOTE: Existing potable water intakes which are no longer in use, such as those replaced by connections to potable water wells or a municipal water system, are not considered to be functioning potable water intakes.

**Irrigation:** Irrigation with SonarOne treated water may result in injury to the irrigated vegetation. Follow these precautions and inform those who irrigate from areas treated with SonarOne of the irrigation time frames or water FastEST requirements presented in the table below. Follow the following time frames and FastEST directions to reduce the potential for injury to vegetation irrigated with water treated with SonarOne. Greater potential for crop injury occurs where SonarOne treated water is applied to crops grown on low organic and sandy soils.

Application Site	Days After Application		
	Established Tree Crops	Established Row Crops/Turf/Plants	Newly Seeded Crops/Seedbeds or Areas to be Planted including Overseeded Golf Course Greens
Ponds and Static Canals †	7	30	FastEST required
Canals	7	7	FastEST required
Rivers	7	7	FastEST required
Lakes and Reservoirs ††	7	7	FastEST required

† For purposes of SonarOne labeling, a pond is defined as a body of water 10 acres or less in size. A lake or reservoir is greater than 10 acres.

†† In lakes and reservoirs where one-half or greater of the body of water is treated, use the pond and static canal irrigation precautions.

Where the use of SonarOne treated water is desired for irrigating crops prior to the time frames established above, use the FastEST to measure the concentration in the treated water. Where a FastEST has determined that concentrations are less than 10 parts per billion, there are no irrigation precautions for irrigating established tree crops, established row crops or turf. For tobacco, tomatoes, peppers or other plants within the Solanaceae Family and newly seeded crops or newly seeded grasses such as overseeded golf course greens, do not use SonarOne treated water if concentrations are greater than 5 ppb; furthermore, when rotating crops, do not plant members of the Solanaceae family in land that has been previously irrigated with fluridone concentrations in excess of 5 ppb. It is recommended that a SePRO Aquatic Specialist be consulted prior to commencing irrigation of these sites.

## PLANT CONTROL INFORMATION

SonarOne selectivity is dependent upon dosage, time of year, stage of growth, method of application, and water movement. The following categories: controlled, partially controlled, and not controlled, are provided to describe expected efficacy under ideal treatment conditions using higher to maximum label rates. Use of lower rates will increase selectivity of some species listed as controlled or partially controlled. Additional aquatic plants may be controlled, partially controlled, or tolerant to SonarOne. It is recommended to consult a SePRO Aquatic Specialist prior to application of SonarOne to determine a plant's susceptibility to SonarOne. NOTE: algae (chara, nitella), and filamentous species are not controlled by SonarOne.

## Vascular Aquatic Plants Controlled By SonarOne: †

### Submersed Plants:

bladderwort (*Utricularia* spp.)  
 common cottail (*Ceratophyllum demersum*) †  
 common Elodea (*Elodea canadensis*) †  
 egeria, Brazilian Elodea (*Egeria densa*)  
 fanwort, Cabomba (*Cabomba caroliniana*)  
 hydrilla (*Hydrilla verticillata*)  
 naiad (*Najas* spp.) †  
 pondweed (*Potamogeton* spp., except Illinois pondweed) †  
 watermilfoil (*Myriophyllum* spp., except variable-leaf milfoil)  
 widgeon grass (*Ruppia maritima*)

### Floating Plants:

saviana (*Saviana* spp.)  
 duckweed (*Lemna*), Spirodela, and *Landoltia* spp.)  
 mosquito fern (*Azolla caroliniana*) †

### Shoreline Grasses:

Paragrass (*Utrichloa muhlenbergii*)

† Species denoted by a dagger (†) are native plants that are often tolerant to fluridone at lower use rates. Please consult a SePRO Aquatic Specialist for recommended SonarOne use rates (not to exceed maximum labeled rates) when selective control of exotic species is desired.



### Vascular Aquatic Plants Partially Controlled By SonarOne:

**Submersed Plants:**  
 Illinois pondweed (*Potamogeton illinoensis*)  
 limnophila (*Limnophila sessiliflora*)  
 tapgrass, American eelgrass (*Vallisneria spiralis*)  
 watermilfoil—variable-leaf (*Myriophyllum heterophyllum*)

**Emerald Plants:**  
 alligatorweed (*Alternanthera philoxeroides*)  
 cattail (*Typha* spp.)  
 American lotus (*Nelumbo lutea*)  
 creeping waterprimrose (*Ludwigia pepioides*)  
 parrotfeather (*Myriophyllum aquaticum*)  
 smartweed (*Polygonum* spp.)  
 spatterdock (*Nuphar luteum*)  
 spikerush (*Eleocharis* spp.)  
 waterlily (*Nymphaea* spp.)  
 waterpurslane (*Ludwigia palustris*)  
 watershield (*Brassia schreberi*)

**Shoreline Grasses:**  
 banyangrass (*Echinochloa crusgalli*)  
 giant cutgrass (*Citriopsis miliacea*)  
 reed canarygrass (*Phalaris arundinacea*)  
 southern watergrass (*Hydrochloa carolinensis*)  
 topdoggrass (*Panicum repens*)

### Vascular Aquatic Plants Not Controlled By SonarOne:

**Emerald Plants:**  
 American frogbit (*Limnolobos spongia*)  
 arrowhead (*Sagittaria* spp.)  
 bacopa (*Bacopa* spp.)  
 big floatingheart, banana lily (*Nymphaeodes aquatica*)  
 bulrush (*Scirpus* spp.)  
 pickerelweed, lanceleaf (*Pontederia* spp.)  
 rush (*Juncus* spp.)  
 water pennywort (*Hydrocotyle* spp.)

**Floating Plants:**  
 floating waterhyacinth (*Eichhornia crassipes*)  
 waterlettuce (*Pistia stratiotes*)

**Shoreline Grasses:**  
 maidencane (*Panicum hemiltonianum*)

**NOTE:** Algae (chara, nitella, and filamentous species) are not controlled by SonarOne

### APPLICATION DIRECTIONS

The aquatic plants present in the treatment site should be identified prior to application to determine their susceptibility to SonarOne. It is important to determine the area (acres) to be treated and the average depth in order to select the proper application rate. Do not exceed the maximum labeled rate for a given treatment site per annual growth cycle.

#### Application to Ponds

SonarOne may be applied to the entire surface area of a pond. For single applications, rates may be selected to provide 30 - 90 ppb to the treated water, although actual concentrations in treated water may be substantially lower at any point in time due to the slow-release formulation of this product. When treating for optimum selective control, lower rates may be applied for sensitive target species. Use the higher rate within the rate range where there is a dense weed mass, when treating more difficult to control species, and for ponds less than 5 acres in size with an average depth less than 4 feet. Application rates necessary to obtain these concentrations in treated water are shown in the following table. For additional application rate calculations, refer to the *Application Rate Calculator—Ponds, Lakes and Reservoirs* section of this label. Split or multiple applications may be used where dilution of treated water is anticipated; however, the sum of all applications should total 30 - 90 ppb and must not exceed a total of 90 ppb per annual growth cycle.

Average Water Depth of Treatment Site (feet)	Pounds of SonarOne per Treated Surface Acre	
	45 ppb	90 ppb
1	2.5	5.0
2	5.0	10.0
3	7.5	15.0
4	10.0	20.0
5	12.5	25.0
6	15.0	30.0
7	17.0	34.0
8	19.5	39.0
9	22.0	44.0
10	24.5	49.0

### Application to Lakes and Reservoirs

The following treatments may be used for treating both whole lakes or reservoirs and partial areas of lakes or reservoirs (bays, etc.). For best results in treating partial lakes and reservoirs, SonarOne treatment areas should be a minimum of 5 acres in size. Treatment of areas smaller than 5 acres or treatment of narrow strips such as boat lanes or shorelines may not produce satisfactory results due to dilution by untreated water. Rate ranges are provided as a guide to include a wide range of environmental factors, such as target species, plant susceptibility, selectivity and other aquatic plant management objectives. Application rates and methods should be selected to meet the specific lake/reservoir aquatic plant management goals.

**NOTE:** In treating lakes or reservoirs that contain potable water intakes and where the application requires treating within one-fourth (1/4) mile of a potable water intake, no single application can exceed 20 ppb. Additionally, the sum of all applications cannot exceed 150 ppb per annual growth cycle.

#### A. Whole Lake or Reservoir Treatments (Limited or No Water Discharge)

##### Single Application to Whole Lakes or Reservoirs

Where single applications to whole lakes or reservoirs are desired, apply SonarOne at an application rate of 16 - 90 ppb. Application rates necessary to obtain these concentrations in treated water are shown in the following table. For additional application rate calculations, refer to the *Application Rate Calculator—Ponds, Lakes and Reservoirs* section of this label. Choose an application rate from the table below to meet the aquatic plant management objective. Where greater plant selectivity is desired such as when controlling Eurasian watermilfoil and curlyleaf pondweed, choose an application rate lower in the rate range. For other plant species, SePRO recommends contacting a SePRO Aquatic Specialist in determining when to choose application rates lower in the rate range to meet specific plant management goals. Use the higher rate within the rate range where there is a dense weed mass or when treating more difficult to control plant species or in the event of a heavy rainfall event where dilution has occurred. In these cases, a second application or more may be required; however, the sum of all applications cannot exceed 150 ppb per annual growth cycle. Refer to the section of this label entitled, *Spill or Multiple Applications to Whole Lakes or Reservoirs*, for guidelines and maximum rate allowed.