Submersed Aquatic Vegetation Control Program
Egeria *densa* and Curlyleaf Pondweed Control Projects
2015 Annual Monitoring Report

California State Parks

Division of Boating and Waterways

Submitted Pursuant to:

Statewide General NPDES Permit (CAG990005)

USFWS Biological Opinion (81410-2013-F-0005)

USFWS Biological Opinion (08FBDT00-2014-F-0029)

NMFS Letter of Concurrence (2013/9443)

NMFS Letter of Concurrence (2014-394)

NPDES General Permit CAG 990005

40 CFR 122.41 (k) and 40 CFR 122.21

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate information submitted. Based on my inquiry of the persons who manage the program, Edward Hard – Environmental Program Manager, Leandro Ramos – Senior Environmental Scientist (Supervisory) and Thomas Barr- Program Senior Environmental Scientist (Specialist, the information submitted is, to the best of my knowledge and belief, is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Lynn Sadler

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Deputy Director

11 February 2016

Date

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Abbreviations and Acronyms

1. **APAP – Aquatic Pesticide Application Plan**
2. **BO or BiOp – Biological Opinion**
3. **CDFA-CAC – California Department of Food and Agriculture – Center for Analytical Chemistry**
4. **CDPR – California Department of Pesticide Regulation**
5. **CEQA – California Environmental Quality Act**
6. **CVRWQB – Central Valley Regional Water Quality Control Board**
7. **DBW – California Department of Boating and Waterways**
8. **Delta – Sacramento-San Joaquin Delta**
9. **DO – Dissolved Oxygen (measured in mg/l or ppm)**
10. **EDCP – Egeria Densa Control Program**
11. **ESA – Endangered Species Act (federal)**
12. **GGS – Giant Garter Snake**
13. **IEP – Interagency Ecology Program**
14. **NMFS – National Marine Fisheries Service**
15. **NPDES – National Pollution Discharge Elimination System**
16. **ppb – Parts per Billion (µg/l)**
17. **QAC – Qualified Applicator Certificate**
18. **SAV – Submersed Aquatic Vegetation**
19. **SCP – Spongeplant Control Program**
20. **SWRCB – State Water Resources Control Board**
21. **USDA-ARS – United States Department of Agriculture – Agricultural Research Service**
22. **USEPA – United States Environmental Protection Agency**
23. **USFWS – United States Fish and Wildlife Service**

Executive Summary

Brazilian Water weed (*Egeria densa*) and Curlyleaf Pondweed (*Potamogeton crispus L.)* are potentially aggressive submersed aquatic plants that rapidly displaces native species, clogs water conveyance systems, forms dense monospecific stands that restrict water movement, traps sediment, provides habitat for mosquitos and cause fluctuations in water quality. Dense growth may interfere with recreational uses of a waterbody by interfering with navigation, fishing, swimming, and water skiing. The California State Parks Division of Boating and Waterways (DBW) received the section 7, biological opinion (BO) from the United States Fish and Wildlife Service (USFWS) along with a letter of concurrence from the National Marine Fisheries Service (NMFS) on May 3, 2013 fulfilling federal requirements to move forward with the division's Submersed Aquatic Vegetation (SAV) treatment program. These two documents are valid until 2017. The National Pollutant Discharge Elimination System (NPDES) Permit is valid for one year and is renewable with the payment of all fees. Treatment for *Egeria densa* started on March 26, 2015.

DBW treated 1530 acres in 25 sites located in various regions throughout the Sacramento – San Joaquin Delta (Delta). The sites treated are referenced in Appendix 1. Water quality samples are taken to ensure that all parameters of the NPDES Permit are met. 708 water quality and residue samples were taken before, during, and after the treatment season. These included 645 residue level samples (Fastest) and 63 water quality samples. The Fastest samples are used for internal adjustment of herbicide application rates and to ensure that all residues are within acceptable levels and in accordance with herbicide labels.

All compliance parameters set forth in both the USFWS and the NMFS Concurrence Letter were met during the 2015 treatment season. All herbicide residue concentrations at receiving water locations were either not detected or were below receiving water limits as specified in the NPDES Permit.

Egeria densa's and Curlyleaf Pondweed's main growth spurt is during early spring, generally March through May, as the water temperatures are increasing and the plants are taking in nutrients to recover from overwintering. This is the optimum treatment time to control these aquatic invasive plants. For the 2015 treatment season, the SAV program was able to start on March 26, 2015 with reduced pounds herbicide used in treatments compared to the prior year. Looking ahead to 2016's treatment season, pre and post treatment of submersed plant biovolumes, geographic extent will be measured and mapped to assess program efficacy at each treatment site to afford a more outcome driven approach.

1. Introduction

1.1 E*geria densa and Curlyleaf Pondweed (Potamogeton crispus L.)* Impact on the Delta

Egeria densa and Curlyleaf Pondweed are fast growing aquatic plants that are having a significant impact on the shallow water habitat in the Delta ecosystem. Since these aquatic invasive plants were introduced to the region, many areas have become infested. *Egeria densa and* Curlyleaf Pondweed influences the Delta's biological diversity, water conveyance, navigation, recreation and agriculture. Both plants can crowd out native vegetation, provide habitat for mosquitoes, reduce water flows by 90%, entrap sediments, obstruct waterways, impede anadromous fish migration patterns, and clog agricultural and municipal water intakes.

1.2 Setting

The EDCP area of operation includes portions of six counties that encompass much of the Delta and its upland tributaries. Those six counties are Alameda, Contra Costa, Sacramento, San Joaquin, Solano and Yolo. The general boundaries of the treatment areas are:

- West to and including Sherman Island, at the confluence of the Sacramento and San Joaquin Rivers,
- North to the confluence of the Sacramento River and the Sacramento Deep Water Channel,
- East along the San Joaquin River to the City of Stockton, and
- South from Clifton Court along Old River to Mossdale.

1.3 Summary of Statutory Authority and Required Permits

In 1997, AB 2193 amended the California Harbors and Navigation Code to designate the Department of Boating and Waterways, now California State Parks Division of Boating And Waterways, as the lead agency for controlling *Egeria densa* in the Sacramento San Joaquin Delta, its tributaries and the Suisun Marsh. The U.S. Department of Agriculture-Agriculture Research Service (USDA-ARS) acts as the federal nexus agency for all federal regulatory processes.

1.3.1 SENATE BILL 1344 & ASSEMBLY BILLS 1540 AND 763

Section 64 of the Harbors and Navigation Code is amended to read as follows:

"(a) The Legislature hereby finds and declares that the growth of water hyacinth (*Eichhornia crassipes*), Brazilian elodea (*Egeria densa*), and South American spongeplant (*Limnobium laevigatum*) in the Sacramento-San Joaquin Delta, its tributaries, and the Suisun Marsh has occurred at an unprecedented level and that the resulting accumulations of water hyacinth, *Egeria densa*, and South American spongeplant obstruct navigation, impair other recreational uses of waterways, have the potential for damaging manmade facilities, and may threaten the health and stability of fisheries and other ecosystems within the delta and marsh. Accordingly, it is necessary that the state, in cooperation with agencies of the United States, undertake an aggressive program for the effective control of water hyacinth, *Egeria densa*, and South American spongeplant in the delta, its tributaries, and the marsh."

"(b) The Division is designated as the lead agency of the state for the purpose of cooperating with agencies of the United States and other public agencies in controlling water hyacinth, Egeria densa, and South American spongeplant in the delta, its tributaries, and the marsh."

1.3.2 AB 763 (Passed in 2013)

"This bill would additionally designate the Division as the lead agency of the state for the purpose of cooperating with other state, local, and federal agencies in identifying, detecting, controlling, and administering programs to manage invasive aquatic plants, as defined, in the Sacramento-San Joaquin Delta, its tributaries, and the Suisun Marsh."

1.3.3 Section 64.5 of the Harbors and Navigation Code

Section 64.5 of the Harbors and Navigation Code is amended to read as follows:

"(a) The Division is designated as the lead agency of the state for the purpose of cooperating with other state, local, and federal agencies in identifying, detecting, controlling, and administering programs to manage invasive aquatic plants in the Sacramento-San Joaquin Delta, its tributaries, and the Suisun Marsh. The Division, in consultation with appropriate state, local, and federal agencies, may take such action it determines is necessary, upon concurrence from the Department of Fish and Wildlife following the completion of the risk assessment described in subdivision (c), to implement control and, when feasible, eradication measures for invasive aquatic plants. Any actions taken to control invasive aquatic plants shall be in compliance with all applicable laws and regulations and conducted in an environmentally sound manner."

"(b) The Division shall regularly consult with the United States Department of Agriculture, the United States Fish and Wildlife Service, the National Oceanic and Atmospheric Administration, the University of California, and other members of the scientific and research communities, as well as other state agencies with authority over the control of invasive aquatic plants to determine which species of those plants should be given the highest priority for management and determine the best control and, when feasible, eradication measures."

"(c) (1) After consulting with the various entities as required in subdivision (b), if the Division identifies a species of aquatic plant that may be invasive and need to be controlled or eradicated, the division shall notify the Department of Fish and Wildlife of the potential threat from that aquatic plant species. After receipt of that notice, the Department of Fish and Wildlife, in consultation with other appropriate local, state, and federal agencies, including, but not limited to, the Department of Food and Agriculture, the Department of Water Resources, the State Water Resources Control Board, the Department of Pesticide Regulation, and the Office of Environmental Health Hazard Assessment, shall conduct a risk assessment of the aquatic plant species identified by the Division to determine whether the plant species is invasive and presents a threat to the environment, economy, or human health. In making that determination, the Department of Fish and Wildlife shall take prompt action to minimize detrimental impacts and costs of management, and shall consider all of the following:

(A) Whether the aquatic plant species may obstruct navigation and recreational uses of waterways.

(B) Whether the aquatic plant species may cause environmental damage, including threats to the health and stability of fisheries, impairment to birds' access to waterways and nesting, roosting, and foraging areas, deterioration of water quality resulting from plant decay, and harm to native plants.

(C) Whether the aquatic plant species may cause harm to the state's economy, infrastructure, or manmade facilities such as state water storage facilities and pumping operations, by increasing flood risk, threatening water supplies by blocking pumps, canals, and dams necessitating early control efforts.

(2) Based on factors specified in subparagraphs (A), (B), and (C) of paragraph (1) and any other environmental, economic, or human health impacts, the risk assessment shall specify whether the plant species under consideration has been determined to be an invasive aquatic plant. Findings from the risk assessment shall be documented in a way that clearly describes the severity and types of impacts caused by a plant species determined to be an invasive aquatic plant.

(3) Within 60 days after completing the risk assessment required by paragraph (1), the Department of Fish and Wildlife shall report its findings to the division so that the division may take any necessary action to control and, when feasible, eradicate an invasive aquatic plant, as authorized under subdivision (a).

(d) For purposes of this section, "invasive aquatic plant" means an aquatic plant or algae species, including its seeds, fragments, and other biological materials capable of propagating that species, whose proliferation or dominant colonization of an area causes or is likely to cause economic or environmental harm or harm to human health.

(e) Aquatic plants shall be determined to be invasive through the risk assessment required to be completed by the Department of Fish and Wildlife in consultation with the division and other state, local, and federal agencies pursuant to subdivision (c)."

The USDA-ARS also provides research, technical expertise, and decision making input for the Egeria densa Control Program (EDCP) planning process. The DBW implemented the EDCP in 2001. In 2013, Assembly Bill 763 was passed to address the need for a holistic approach to manage aquatic weeds in the Delta. This bill changed the overall strategic approach towards invasive aquatic plant management for the Division of Boating and Waterways. This bill mandated greater coordination among local, state, federal and private boating interests in the Delta to identify new plant species and manage invasive aquatic plants.

1.3.4 National Pollutant Discharge Elimination System Permit (No. CAG 990005)

The National Pollutant Discharge Elimination System (NPDES) General Permit for Aquatic Pesticide Use requires DBW to submit an annual report no later than March 1 following the EDCP treatment season. Reporting guidelines must include an executive summary discussing general permit compliance or violations of permit terms and conditions for discharging chemicals into the waters of the United States, the effectiveness of the EDCP Aquatic Pest Application Plan (APAP), the discharge of pollutants associated with the aquatic pest application, summary of monitoring data, including any changes in water quality, violations of compliance with water quality standards as outlined in the Central Valley Basin Plan. The annual report also includes a discussion of any violations and the actions taken, maps showing application areas, acreage and sampling locations, type and amounts of aquatic pesticides used during each application event, information on surface area, volume and rate of application, and sampling results for all monitoring as outlined in the NPDES General Permits Monitoring and Reporting Program.

1.3.5 Terms and Conditions

Herbicide Residue Limits

The maximum limitations in receiving waters for fluridone, the main ingredient of Sonar®, is 560 parts per billion (ppb) based on U.S. Environmental Protection Agency's (USEPA) Integrated Risk Information System, as stated in the NPDES, for diquat which is the main ingredient of Reward® is 20 ppb. DBW did not apply any diquat during the 2015 treatment season. Receiving water limitations are stated in the NPDES General Permit, which are derived from the USEPA Maximum Contaminant Level and Integrated Risk Information System.

There are clear distinctions in the NPDES Permit about the application area and the receiving waters. An "application" area is defined as the area in which the aquatic herbicides are applied. The treatment area is the zone that is treated with aquatic herbicides. Receiving waters are defined as: 1) waters directly down flow of the treatment area and 2) water within the treatment area when herbicide levels fall below the minimum effective concentrations. In the EDCP, the herbicide can have an impact on the target species as long as residues are present in the water column. Residues found inside the treatment area are not considered receiving waters until seven days after an application ends.

Herbicides applied to aquatic plants are not considered a pollutant until residues reach the receiving waters. This is because herbicides designed to treat aquatic plants and approved by the EPA cannot be considered a pollutant under the Clean Water Act. This applies to chemicals approved under federal and state pesticide use regulations.

Herbicide label restrictions dictate maximum rates of application and maximum concentrations allowed in the water column. The application rate can be greater than the maximum water column concentration due to binding properties and dispersal rates in flowing waters. Fluridone has no maximum application rate in flowing waters. The applicator is allowed to apply at an appropriate rate such that a target concentration in the water column does not exceed 40 ppb. However, most of the applications done by the EDCP are at or below 20 ppb with a residue level of 10 ppb or less in the water column.

Water Quality Parameters

The EDCP is required to monitor specific water quality parameters to ensure there are no significant impacts to beneficial use to waters of the United States. The physical and chemical water quality parameters monitored are temperature, salinity, electrical conductivity, turbidity, pH, and dissolved oxygen. The EDCP also conducts visual inspections before, during and after applications have been made. All changes in water color, odor, and vegetative health are annotated.

Selection and Monitoring Frequency

The NPDES Permit requires representative monitoring for each water type found in the EDCP area of operation. The only water type for the EDCP is tidal. Per monitoring frequency requirements outlined in the NPDES and EDCP Aquatic Pesticide Application Plan, a minimum of two monitoring sites per water type per herbicides used if the total number of applications is below twenty parts per billion. DBW records water quality parameters no earlier than 24 hours prior to the first treatment and a minimum of two follow-up visits following the end of the treatment and continues monitoring until there are no detectable residues in the water column.

1.3.6 EDCP USFWS and NMFS Biological Opinion Section 7 Take Permits

Reporting Requirements

The USFWS and NMFS Biological Opinion Section 7 Permit requires DBW to submit an annual report no later than January 31 following the EDCP treatment season. Annual Reports must summarize compliance with the terms and conditions listed to include species and habitat protection, water quality monitoring, and any additional monitoring and studies that may have been conducted as part of the regulatory requirements for other participating state and federal agencies. Additional reporting requirements are on a case-by-case basis in the event a “take” should occur of any of the species discussed in the permit. Take reports begin with immediate notification of the USFWS or NMFS Biologist in charge of administering the permit and require documentation of information such as where the take occurred, number of species involved, water quality condition, chain of custody and prescriptive action taken for preventing further occurrences.

USFWS Mitigation Requirements

The EDCP USFWS Biological Opinion (BO), pursuant to Section 7 of the Endangered Species Act, imposes several measures to avoid impacts to protected species in the Delta. Primarily, DBW has been directed to implement species avoidance and habitat loss minimization. There are three main components to avoidance and habitat minimization mitigation. Components are seasonal timing of applications, species specific toxicity evaluations, and applicator education. DBW does treat during seasonal migrations for listed protected species. Species specific toxicity concentrations used by the SAV control program are well under all compliance requirements listed under USFWS Biological Opinion. All applicators received worker environmental awareness training before treatment began on March 26, 2015. Personnel were informed as to the presence of the Valley Longhorn Elderberry Beetle, Delta Smelt, and the Giant Garter Snake and their habitats associated with these species. The briefing also included the USFWS Biological Opinion as required by Section 7 of the ESA and concurrences from NMFS.

Delta Smelt (*Hypomesus transpacificus*)

- Using Interagency Ecological Program (IEP) Real-time Monitoring Program 20mm Survey's DBW determines the presence or absence of the Delta Smelt within or near the boundaries of herbicide application areas. If Delta Smelt are found near the application areas applications are halted.

- There are no restrictions for the use of fluridone. However, if diquat is used it may only be applied between June 1 and July 31.

- DBW made no diquat applications during the 2014 treatment season.

Valley Longhorn Elderberry Beetle (*Desmoecerus californicus dimorphus*)

- Avoidance is the term USFWS included in their biological opinion. DBW located most, if not all, of the Elderberry plants (*Sambucus ssp*) within its area of operation and is avoiding them during the treatment season.

Giant Garter Snake (*Thamnophis gigas*)

- Avoidance of the Giant Garter Snake habitat.

- The only restriction concerning the Giant Garter Snake applies to mechanical harvesting and land based operations occurring on unimproved Delta banks. The EDCP is not currently implementing mechanical harvesting nor is it operating near any unimproved areas. However, mitigation beyond the requirements of the USFWS permits has been implemented to avoid any impact. The entire EDCP project area had a Giant Garter Snake habitat evaluation. Each application crew has been provided a set of maps delineating potential Giant Garter Snake habitat. This is to ensure that DBW crews avoid areas where Giant Garter Snakes are likely to be found.

Chinook salmon (*Onorchynchus tswawytscha*), Spring and Winter run Steelhead Trout (*Onocorhynchus mykiss*)

- The EDCP NMFS BO, pursuant to Section 7 of Endangered Species Act (ESA) imposes several conditions to reduce the impact on salmonids that transit the Delta to and from spawning areas.

- NMFS has specified start and stop dates for the EDCP operations. DBW can start treatments March 1 and must cease operations no later than October 15.

- NMFS has also set forth specific sites that may be treated early. This is to preclude in and out migrating salmonids from passing through treated areas.

- In order to avoid impacts to aquatic species, particularly salmonids, which are reliant on dissolved oxygen levels (DO), crews monitor DO levels and water temperature prior to and after treatments. Crews are only permitted to make applications when DO levels are above 5mg/l or below 3 mg/l. During the 2015 season all DO levels were within the specific paramters[1].

[1] *The Central Valley Regional Water Quality Control Board (CVRWQCB), USFWS, and NMFS have slightly different dissolved oxygen limits. The CVRWQCB Basin Plan states that DO shall not be reduced below 5mg/l in all waters Delta waters except the Sacramento River below the I St Bridge (7mg/l) and all waters west of the Antioch Bridge, the San Joaquin River between Turner Cut and Stockton ((6 mg/l), and all other areas of the Delta (5mg/l). All EDCP sites are by definition waters of the Delta. The USFWS BO Take Permit directs no treatments in high flow areas where DO levels are below 5 mg/l. It also directs treatments be delayed in low flow areas if DO levels are between 4-6 mg/l. The Central Delta is all tidal and with no real distinctions between high and low flow waters. During the 2015 treatment season DBW recorded all reading above 5 mg/l.*

2. Personnel, Methods and Materials

2.1 EDCP Personnel, Accreditation, and Training

Each application crew consists of a specialist and a technician of which at least one is a certified applicator possessing a Qualified Applicator Certificate "F" (Aquatics). The certification is administered by the California Department of Pesticide Regulation (CDPR). All DBW crews have annual training on EDCP herbicide handling and environmental awareness.

Endangered Species Training

DBW perceives training as a major component necessary to ensure avoidance and so that minimization measures are met for both the USFWS BO Section 7 permits and the NMFS Letter of Concurrence. Application crews not only received refresher training on herbicide use and restrictions before the season began, they also received an annual environmental awareness refresher on threatened, endangered and species of concern known to be located within the division's area of operation. State and federal listed species covered included: Delta Smelt, Giant Garter Snake, Valley Longhorn Elderberry Beetle and its habitat, Central Valley Steelhead Trout, and both runs of Chinook salmon including buffer zones, required surveys, fish passage protocols, and dissolved oxygen (DO) limits. Also included was a discussion of legal implications of the Endangered Species Act (ESA) and the California Environmental Quality Act (CEQA).

Monitoring Crews

Monitoring crews consist of a lead environmental scientist and one assistant. The scientist schedules and plans all field sampling events. A digital camera is used to document any unusual conditions noted at the sampling locations in vegetation or the condition of the surrounding area. Additional responsibilities included quality control field monitoring, laboratory analysis and reporting of findings in the annual report as outlined in the EDCP, NPDES Permit, USFWS and NMFS Biological Opinions.

Qualified Applicator Certificate

Application crews receive continuing education pesticide training credits to keep their Qualified Applicator Certificate (QAC) current. Continuing education covers new pesticide laws and regulations which may include topics such as federal and state pesticide regulations, pesticide and worker safety, surface and ground water protection, pesticide labeling and label interpretation, and pesticide effects on the environment. Category F QACs are renewed every two years upon completion of the continued education credit requirements.

Environmental Awareness Training

Environmental awareness training was conducted in February 2015. This training included the following items:

- Species identification and impact avoidance guidelines on all threatened and endangered species associated with the EDCP
- Identification and protection of elderberry shrubs and protocol for monitoring species during an application season
- Identification and protection of the giant garter snake, including life history; importance of irrigation canals, marshes, wetlands, and seasonally flooded areas as habitat
- Identification and protection of Delta smelt, longfin smelt, Chinook salmon, steelhead, green sturgeon, and associated protected habitats, fishery closure dates, and other regulatory agency requirements
- Terms and conditions of the USFWS biological opinions and NMFS letters of concurrence for the Water Hyacinth Control Program (WHCP) and Spongeplant Control Program (SCP) for protection, avoidance and minimization of adverse effects to protected species under the ESA
- Protocol for "take," including reviewing the "Incidental Take Statement," collection and handling of dead species, completion of chains of custody, and notification to USFWS.

Equipment Training

Refresher training on the use and calibration of the dissolved oxygen meters and use of Motion F5t Tablet PC and ArcPad application took place in February 2015.

2.2 Materials

Herbicides used during the 2015 treatment season include:
Fluridone: 1-methyl-3phenyl-5(trifluromethyl-phenyl)-4(1H)-pyridone; under the commercial trade names of:

- Sonar One® - EPA Registration No. 67690-45 (Pellets)
- Sonar Q® - EPA Registration No. 67690-3 (Pellets)
- Sonar PR® - EPA Registration No. 67690-12 (Pellets

Fluridone (Sonar®) is a selective systemic herbicide that inhibits the formation of carotene, an action that results in the degradation of sunlight exposed chlorophyll. Formation of carotene occurs primarily in new growth, thus fluridone is most effective in maximum growth periods of *Egeria densa*. Fluridone not absorbed by the plants is broken down into naturally occurring elements mostly through exposure to sunlight.

2.3 Table 1 Summary of Pesticide Use in 2015 - Total 1,530 Acres Treated

Month and location (County)	Sonar PR (lbs.)	Sonar Q (lbs.)	Sonar One (lbs.)
March			
Contra Costa	3825	7960	5428
Sacramento	0	372	848
San Joaquin	0	5333.3	5134
Solano	0	120	104
April			
Contra Costa	2403	4684	6868
Sacramento	0	700	800
San Joaquin	0	2240	4786
Solano	0	32	148
May			
Contra Costa	0	12984	2884
Sacramento	918	116	592
San Joaquin	7125	200	2660
Solano	0	0	0
June			
Contra Costa	1518	0	0
Sacramento	0	0	0
San Joaquin	0	0	0
Solano	0	0	0
July			
Contra Costa	1536	0	0
Sacramento	0	0	0
San Joaquin	0	0	0
Solano	0	0	0
August			
Contra Costa	786	0	0
Sacramento	0	0	0
San Joaquin	0	0	0
Solano	0	0	0
September			
Contra Costa	1536	0	0
Sacramento	0	0	0
San Joaquin	0	0	0
Solano	0	0	0
October			
Contra Costa	0	0	0
Sacramento	0	0	0
San Joaquin	0	0	0
Totals	19,647	34,741	30,252

Application Equipment

Crews use either a 19 or 21-foot aluminum boat powered by either an outboard engine or are air driven. At the start of each treatment the application crew takes dissolved oxygen and a temperature reading using a HACH® Dissolved Oxygen Meter within the treatment site. These readings must be within the parameters outlined in the NPDES Permit and the biological opinions before an application can be made. At the start of the application, the crew uses an Explore™1-104C Tablet PC with a GPS unit installed to record the beginning and ending spray lines, coordinates of the spray area and the time of treatment. All boats are washed regularly to remove chemical residues and all application pumps, hoses, and nozzles are inspected and if found defective, are replaced on an as-needed basis. Boat records are available upon request.

2.4 Environmental Monitoring

DBW's environmental scientist conducts all monitoring activities. A Hydrolab MS-5 water quality multi-probe Datasonde is used to collect water quality readings. A Hydrolab MS-5 reads water temperature, electrical conductivity, salinity, dissolved oxygen, pH, and turbidity. The data is stored together with GPS coordinates on an I-xplore 104C PC tablet. A digital camera is used to record visual records of sampling locations to denote noticeable changes in vegetation or the condition of the surrounding area.

Monitoring Protocols

Protocols

DBW's EDCP follows a water quality monitoring protocol as outlined in the December 2014 EDCP Aquatic Pesticide Control Application Plan (APAP). The monitoring team plans each sampling event in coordination with the field supervisor and the application crews. During the 2015 treatment season DBW sampled the sites listed in Appendix 1.

Residue Sampling

For each application event, DBW takes a pre-sample and as many weekly post samples as necessary until a non-detection of the herbicide residue is obtained. These samples are identified as A, B, and C. Sample location A is inside of the application area approximately ¼ to 1/3 the distance from the downstream edge of the application polygon, sample location B is located on the downstream edge of the application polygon, and sample site C is located in an adjacent non-impacted area with similar hydrological conditions as the application area or receiving waters.

DBW also takes Fastest (immune assay) samples throughout the duration of the treatment season. These samples were sent to the herbicide manufacturer and later to the California Department of Food and Agriculture chemical laboratory for analysis. The division took 645 fastest samples during the 2015 treatment season. To ensure accuracy of the sample analysis of these samples, DBW had analysis done for 23 split samples that were analyzed by another analytical laboratory. All the split samples were within acceptable error ranges with the analysis done by the manufacturer. The results of the sampling were used to monitor and adjust the rate of application of the herbicide to ensure that the residues in the water column are conducive to attain the maximum *Egeria densa* efficacy.

Water Quality Parameters

Water quality sampling is done concurrent with the required NPDES residue sampling. Water quality monitoring samples are taken at a depth of 3 feet. The parameters measured are temperature, salinity, dissolved oxygen levels, electrical conductivity, pH, and turbidity. DBW also conducts physical inspections of the treated and surrounding areas to identify changes in water color and odor along with changes in vegetative health of the species within and around the treatment area.

2.5 Laboratory Analytical Methods and Validation

DBW uses several methods to validate results found by the contracting laboratories. These include split samples field spikes, field blanks, and equipment blanks. During the 2015 treatment season, the division took 15 equipment blanks, 6 field blanks, 8 split samples, and 1 field spike. In addition, DBW took an additional 7 split samples that were sent to another laboratory for analysis. The split sampling is to ensure each laboratory's methods are consistent with each other.

3. COMPLIANCE

3.1 Herbicide Application Data and Permit Compliance

The 2015 EDCP season began on March 26, 2015 and ended on September 14, 2015. DBW treated a total of 1530.8 acres at 25 sites located in four counties, Contra Costa, San Joaquin, Solano and Sacramento. Refer to the site maps in Appendix 1.

Compliance

The EDCP treatment operations were in full compliance with all parameters outlined in the US Fish and Wildlife, Section 7 Biological Opinion and the National Marine Fisheries Service Letter of Concurrence.

The National Pollutant Discharge Elimination System Permit encompasses the discharge of herbicides into the waters of the Sacramento-San Joaquin Delta. All limitations outlined in the Regional Water Quality Control Board's Basin Plan were not exceeded during the 2015 season.

4. CONCLUSIONS

4.1 Discussion

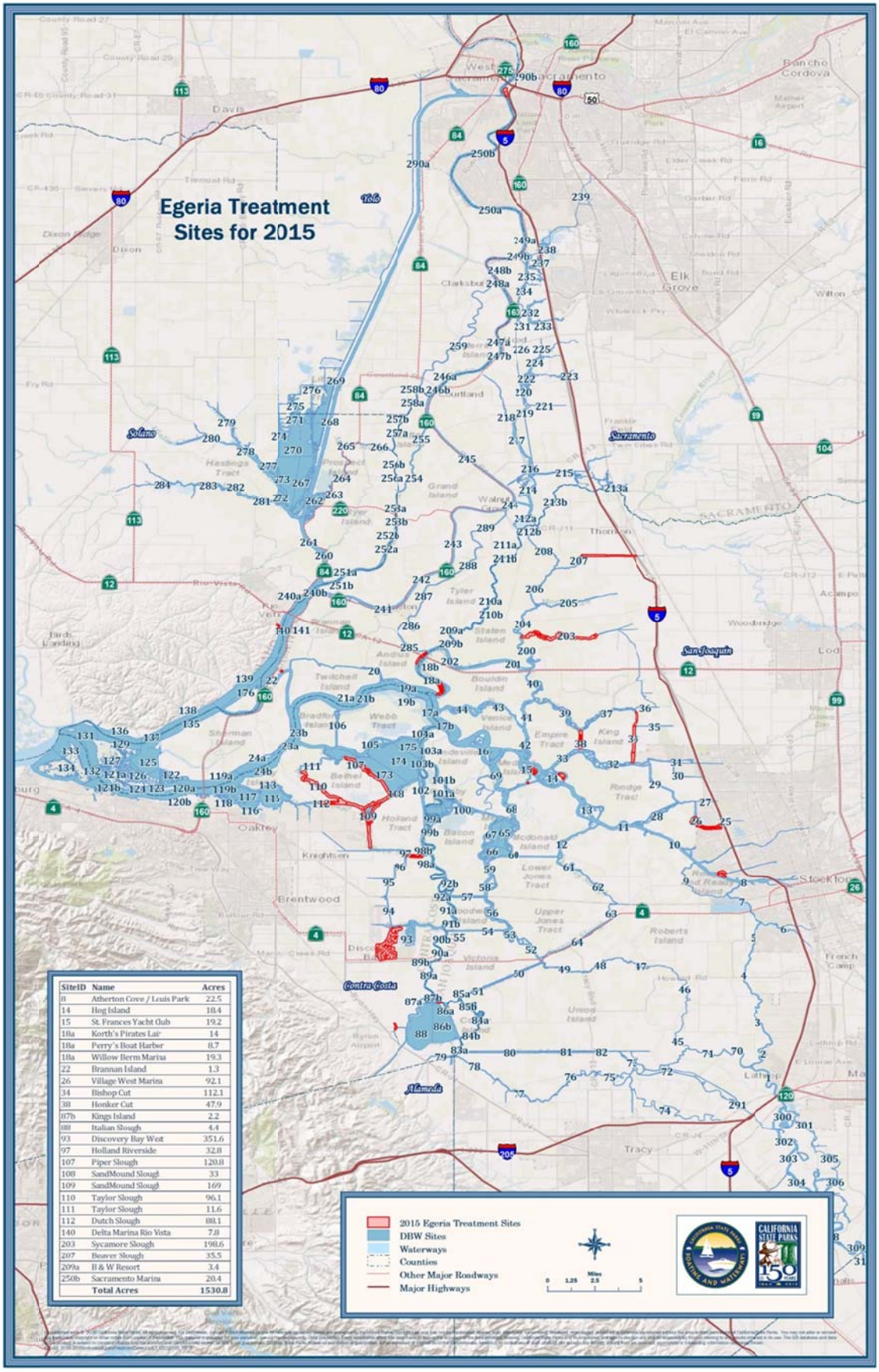
DBW treated 1530 acres in 25 sites located in various parts of the Delta referenced in Appendix 1. The sites treated were Atherton Cove/Louis Park, Hog Island, St. Francis Yacht Club, Korth's Pirate Lair, Perry's Boat Harbor, Willow Berm Marina, Brannan Island, Village West Marina, Bishop Cut, Honker Island, Kings Island, Italian Slough, Discovery Bay West, Holland Riverside, Piper Slough, Sand Mound Slough (sites 108 and 109), Taylor Slough (sites 110 and 111), Dutch Slough, Delta Marina Rio Vista, Sycamore Slough, Beaver Slough, B & W Resort and Sacramento Marina. DBW conducted 708 water quality and residue samples before, during, and after the treatment season. These included 645 residue level samples (Fastest) and 63 water quality samples. The *Egeria densa* plants start actively growing during the springtime when water temperatures are rising. This is when the plants are recovering from overwintering and are taking in as many nutrients as possible to stimulate growth. This is the optimum time to apply herbicides to control its growth. With later start dates, the plants are already well established and harder to control.

Using visual observations, physical rake sampling method and hydro-acoustic mapping, DBW estimated that it had achieved a reduction of approximately 25% *Egeria densa* in all sites treated. This compares to the 20% reduction in 2012, the 30% reduction in 2013 and 25% reduction in 2014. DBW plans on starting treatment in early March 2016. The early start should increase efficacy in the treatment areas as water temperatures are increasing and the plants are taking in nutrients to recover from overwintering.

For 2016, a more scientific rigorous process to inventory and map Curlyleaf pondweed and Egeria densa will take place by DBW, both pre and post treatment to better measure the outcomes and progress towards overall control of these invasive aquatic plants.

APPENDIX A

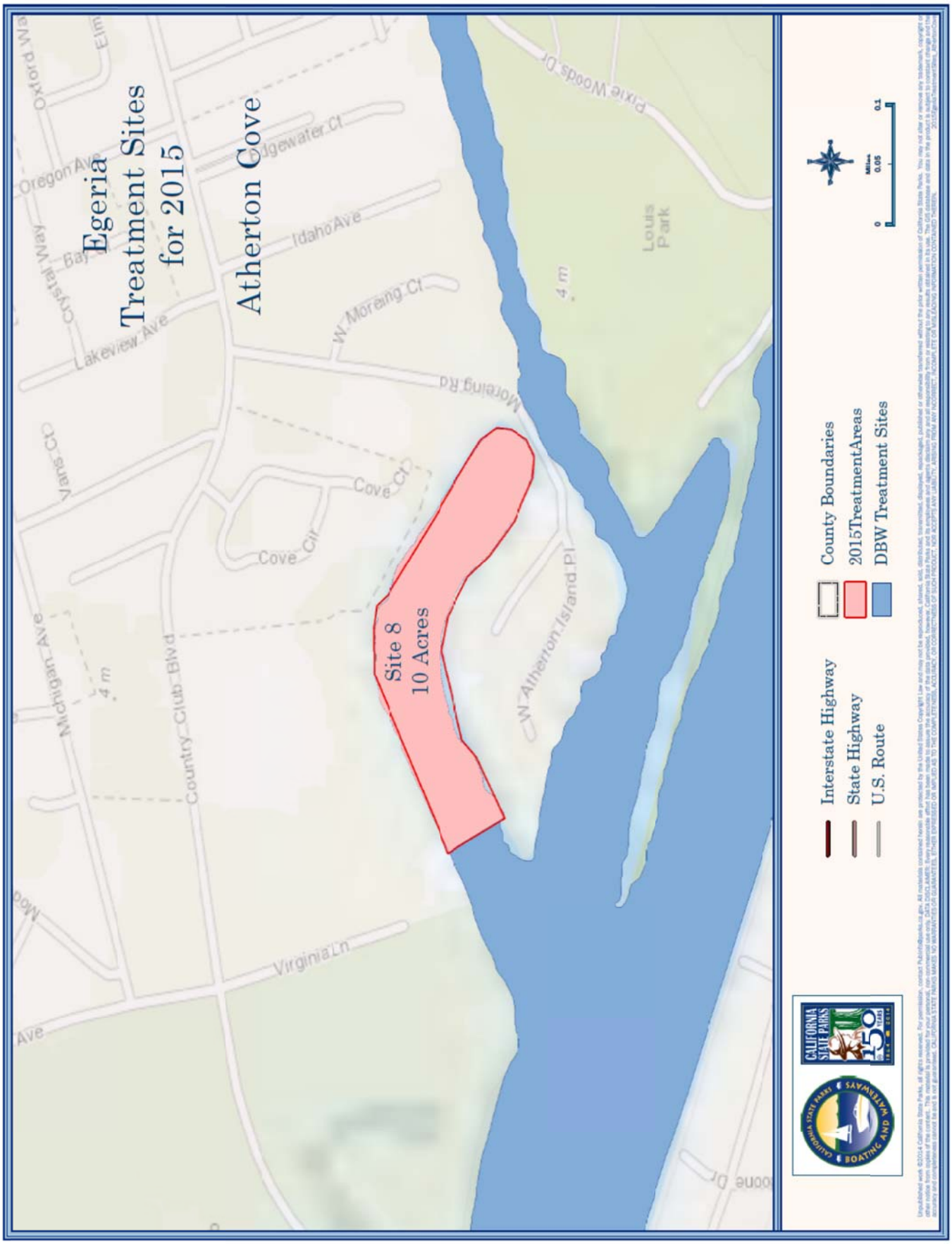
Sampling Results and Map of Treatment Sites

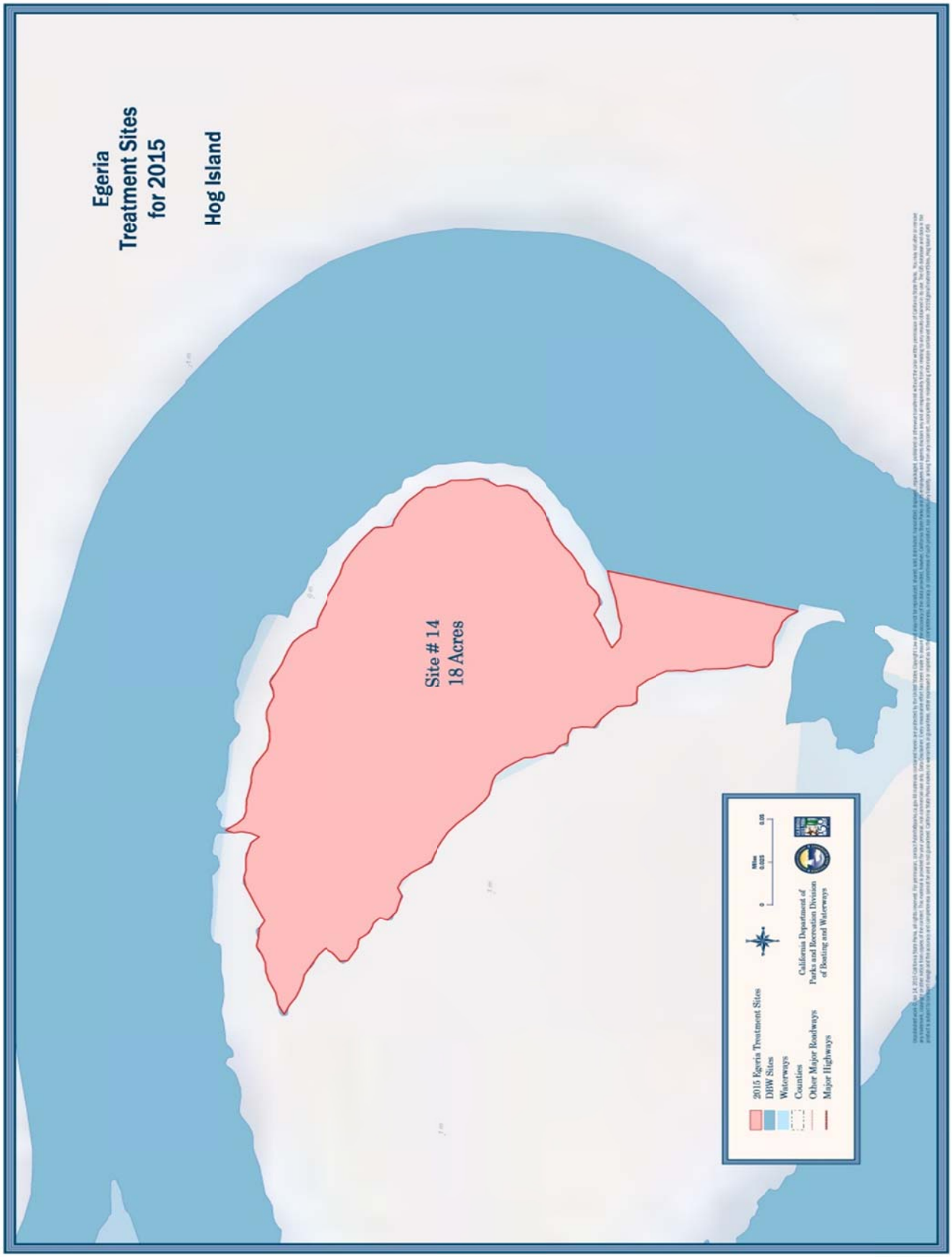


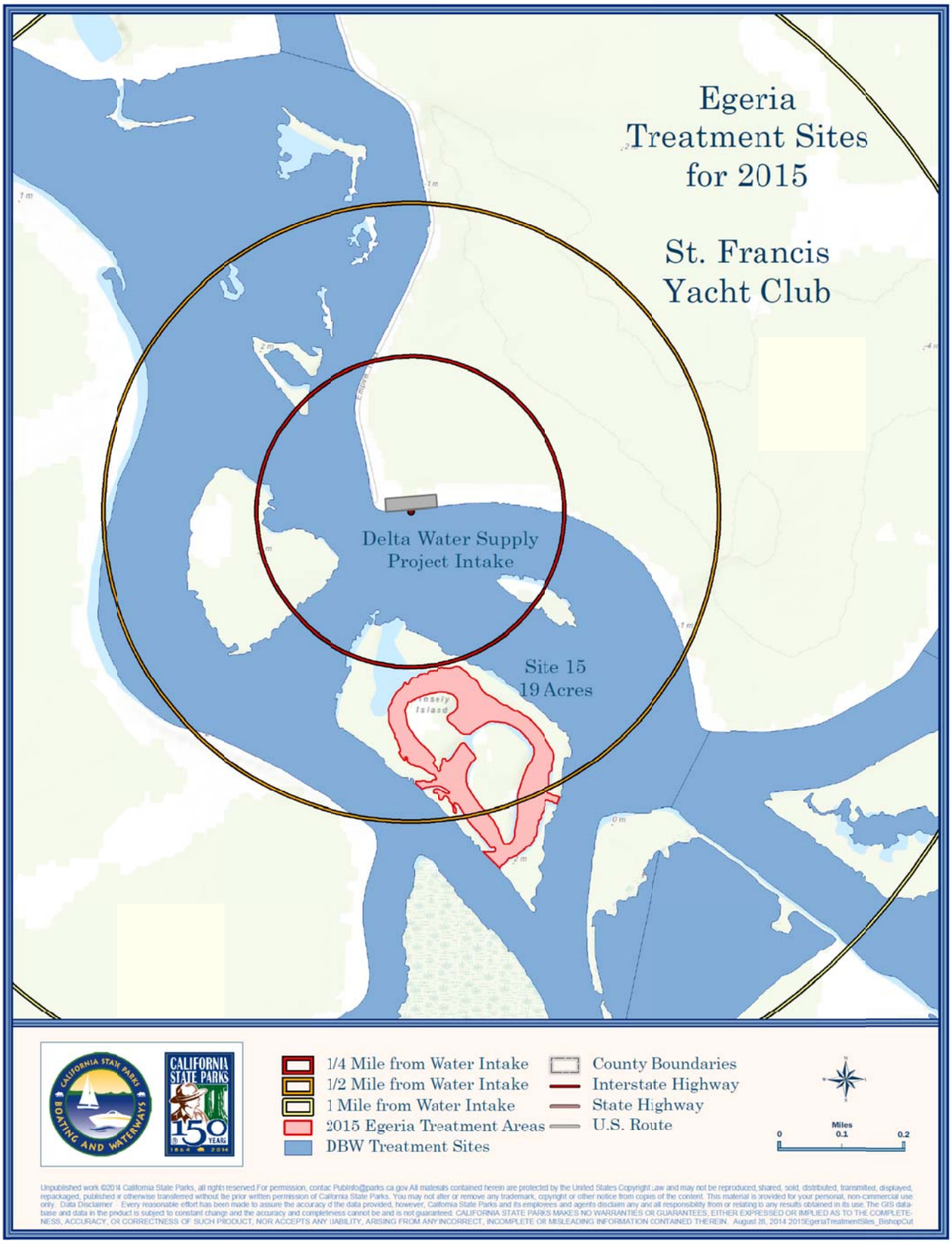
SiteID	Name	Acres
8	Atherton Cove / Louis Park	22.5
14	Hog Island	18.4
15	St. Frances Yacht Club	19.2
18a	Korth's Pirates Lair	14
18a	Perry's Boat Harbor	8.7
18a	Willow Berm Marina	19.3
22	Brannan Island	1.3
26	Village West Marina	92.1
34	Bishop Cut	112.1
38	Honker Cut	47.9
87b	Kings Island	2.2
88	Italian Slough	4.4
93	Discovery Bay West	351.6
97	Holland Riverside	32.8
107	Piper Slough	120.8
108	SandMound Slough	33
109	SandMound Slough	169
110	Taylor Slough	96.1
111	Taylor Slough	11.6
112	Dutch Slough	88.1
140	Delta Marina Rio Vista	7.8
203	Sycamore Slough	198.6
207	Beaver Slough	35.5
209a	B & W Resort	3.4
250b	Sacramento Marina	20.4
	Total Acres	**1530.8**

Site Maps

1	Atherton cove Site # 8	23
2	Hog Island Site # 14	24
3	St. Francis Yacht Club Site # 15	25
4	Perry's Boat Harbor Site # 18a	26
5	Willow Berm Marina Site # 18a	27
6	Brannan Island Site # 22	28
7	Village West Marina Site # 26	29
8	Bishop Cut Site # 34	30
9	Honker Cut Site # 38	31
10	Kings Island # 87b	32
11	Italian Slough Site # 88	33
12	Discovery Bay West Site #93	34
13	Lundquit's / Holland Riverside Site # 97	35
14	Piper Slough Site # 107	36
15	Taylor Slough Site # 110 / # 111	37
16	Dutch Slough Site # 109 / # 112	38
17	Delta Marina Rio Vista Site # 110	39
18	Sycamore Slough Site #203	40
19	Beaver Slough Site # 207	41
20	B & W Resort Site #209a	42
21	Sacramento Marina Site # 91a	43


Egeria
Treatment Sites
for 2015
Atherton Cove
Site 8
10 Acres
Oregon Ave
Crystal Way
Lakeview Ave
Idaho Ave
W Moreing Ct
Moreing Rd
Vans Ct
Cove Ct
Cove Cir
Michigan Ave
Country Club Blvd
W Atherton Island Pl
Pixie Woods Dr
Louis Park
Virginia Ln
Interstate Highway
State Highway
U.S. Route
County Boundaries
2015TreatmentAreas
DBW Treatment Sites


Egeria
Treatment Sites
for 2015
Hog Island
Site # 14
18 Acres
2015 Egeria Treatment Sites
DBW Sites
Waterways
Counties
Other Major Roadways
Major Highways
California Department of
Parks and Recreation Division
of Boating and Waterways


Egeria
Treatment Sites
for 2015
St. Francis
Yacht Club
Delta Water Supply
Project Intake
Site 15
19 Acres
Insely
Island
1/4 Mile from Water Intake
1/2 Mile from Water Intake
1 Mile from Water Intake
2015 Egeria Treatment Areas
DBW Treatment Sites
County Boundaries
Interstate Highway
State Highway
U.S. Route
Miles
0
0.1
0.2
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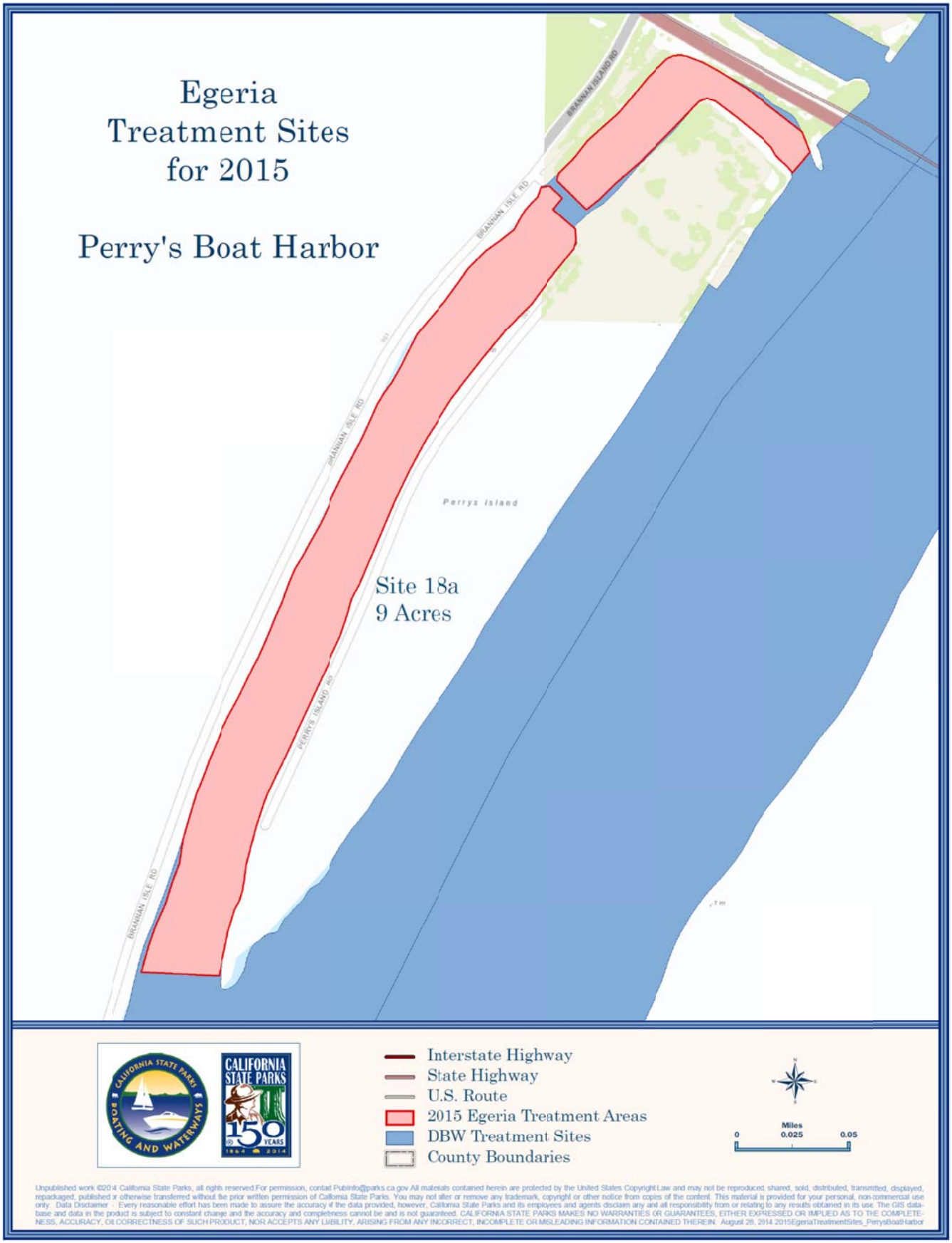
Egeria
Treatment Sites
for 2015
Perry's Boat Harbor
BRANNAN ISLAND RD
BRANNAN ISLE RD
Perrys Island
Site 18a
9 Acres
PERRY'S ISLAND RD
Interstate Highway
State Highway
U.S. Route
2015 Egeria Treatment Areas
DBW Treatment Sites
County Boundaries
Miles
0
0.025
0.05
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Site 18a
19 Acres
Egeria
Treatment Sites
for 2015
Willow Berm Marina
BRANNAN ISLE RD
BRANNAN ISLE RD
1 m
1 m
2 m
0 m
Interstate Highway
State Highway
U.S. Route
2015 Egeria Treatment Areas
DBW Treatment Sites
County Boundaries
Miles
0
0.025
0.05
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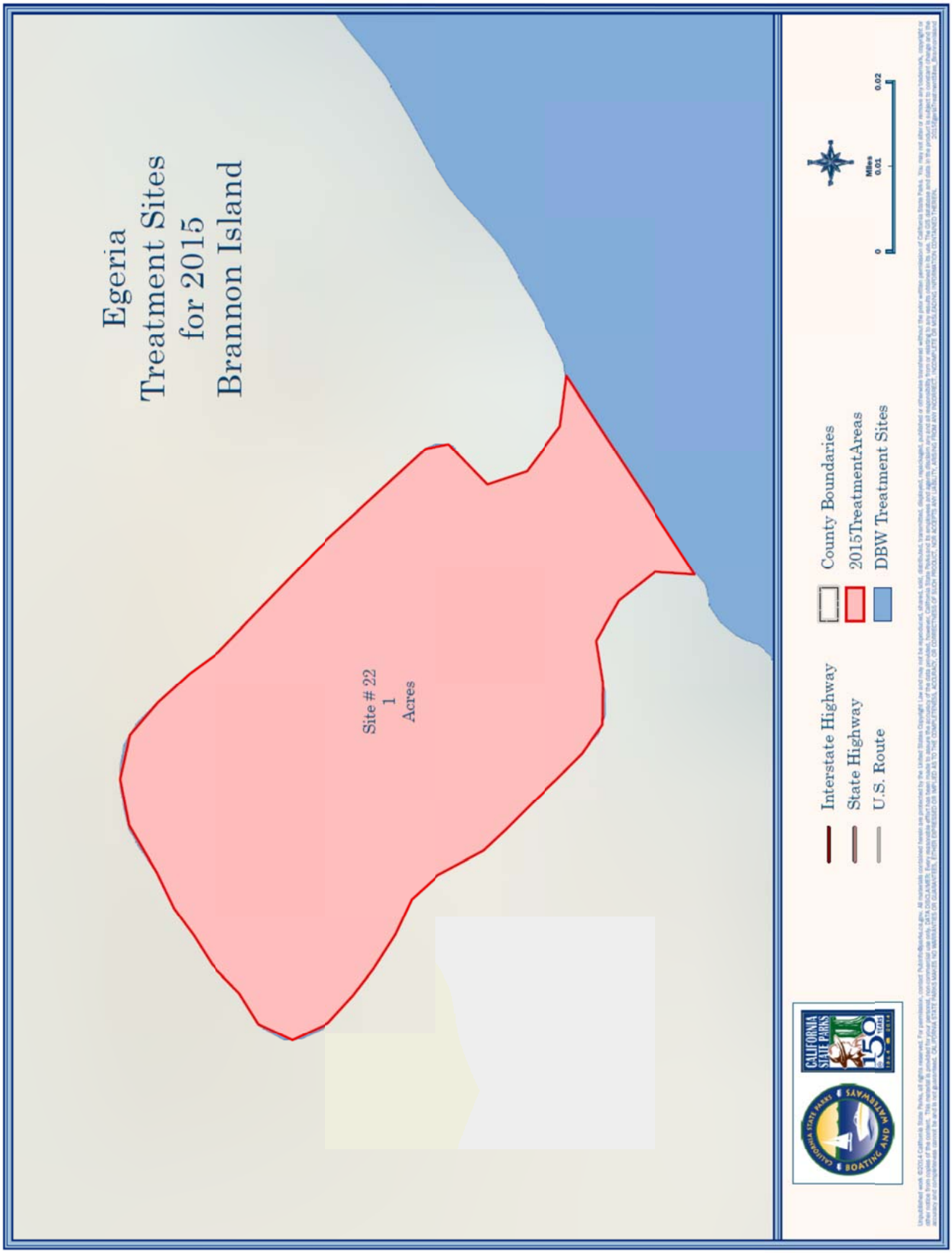
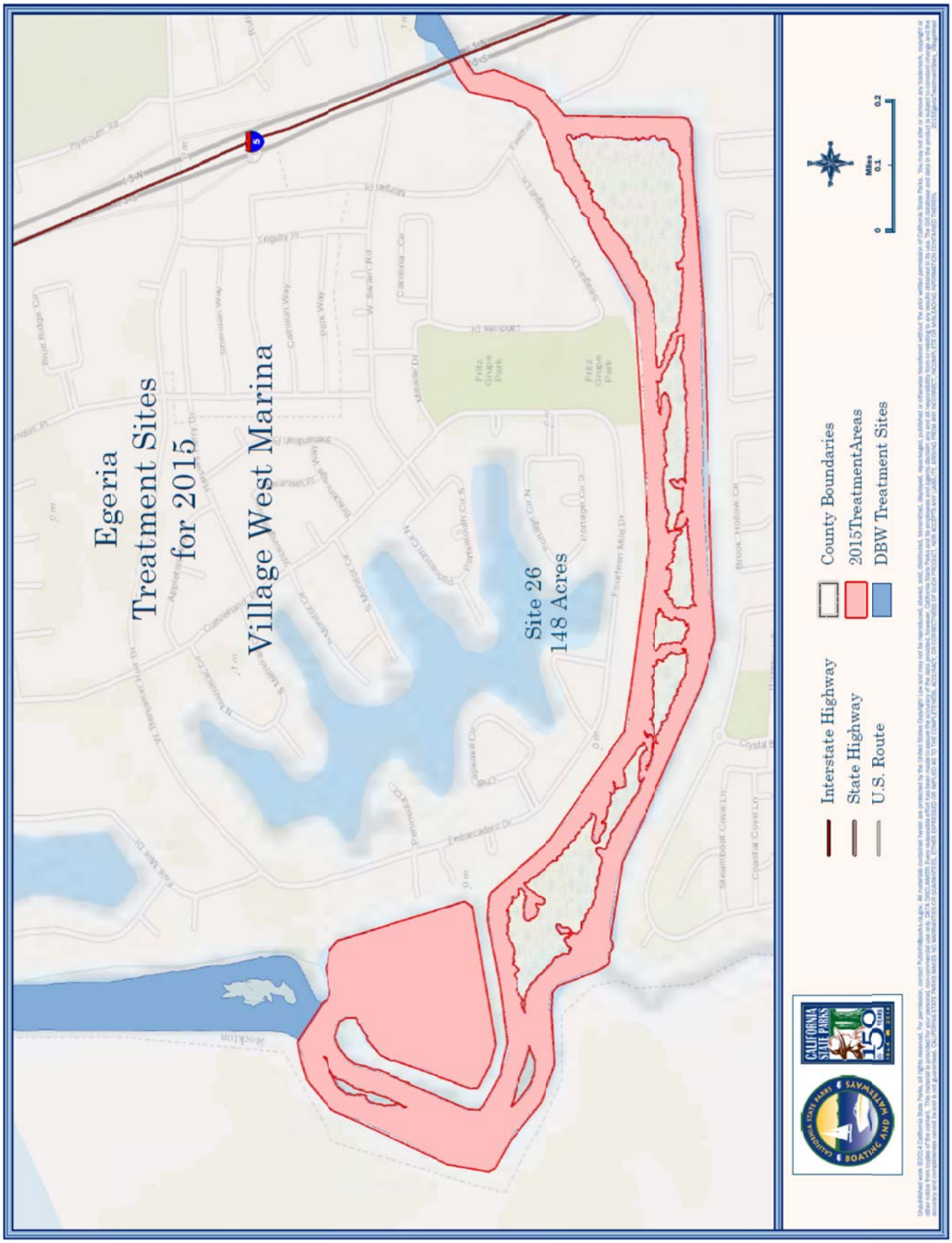
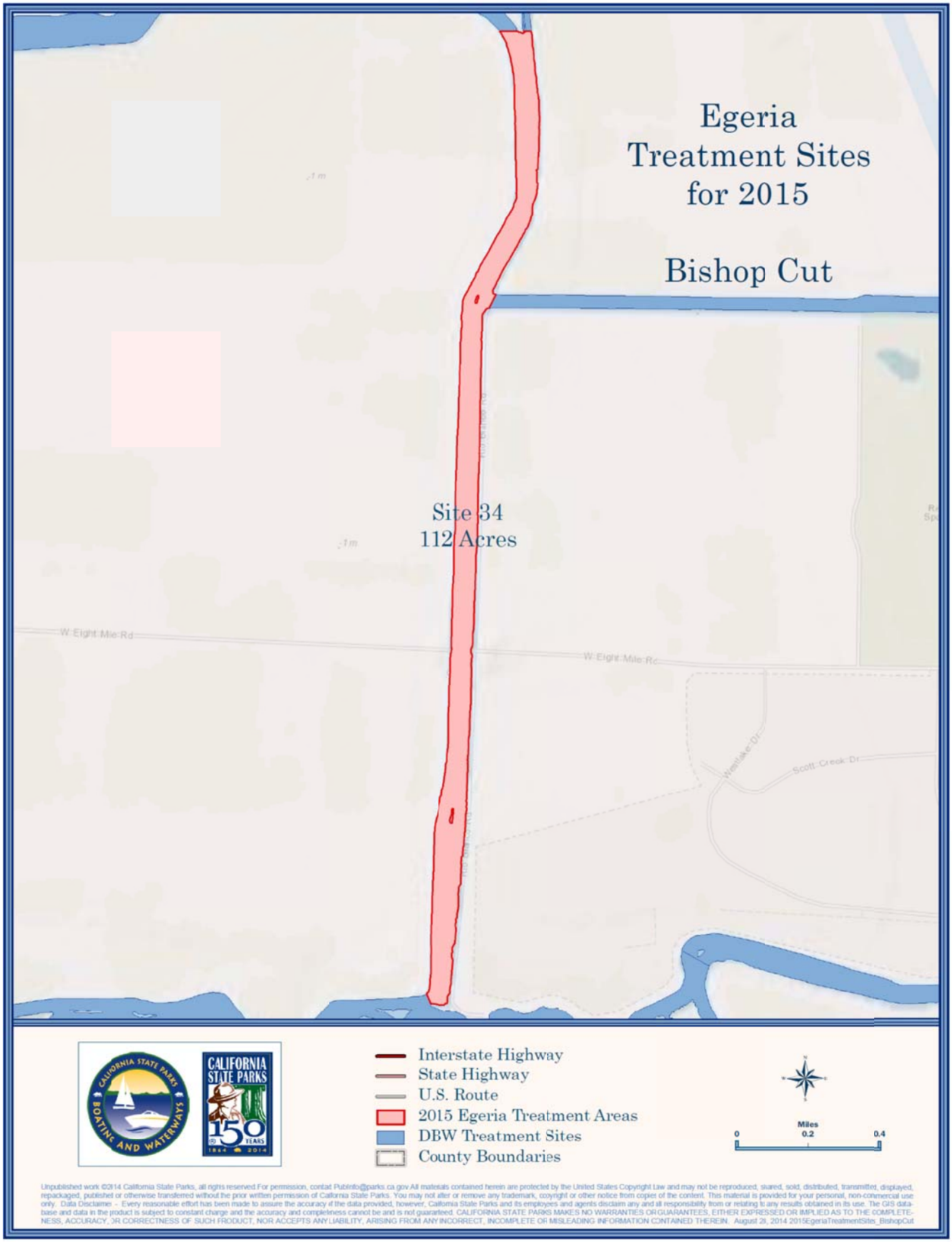

Egeria
Treatment Sites
for 2015
Brannon Island
Site # 22
1
Acres
Interstate Highway
State Highway
U.S. Route
County Boundaries
2015TreatmentAreas
DBW Treatment Sites
0
0.01
0.02
Miles


Egeria
Treatment Sites
for 2015
Village West Marina
Site 26
148 Acres
Interstate Highway
State Highway
U.S. Route
County Boundaries
2015TreatmentAreas
DBW Treatment Sites
0
0.1
0.2
Miles


Egeria
Treatment Sites
for 2015
Bishop Cut
Site 34
112 Acres
W Eight Mile Rd
W Eight Mile Rd
Westlake Dr
Scott Creek Dr
Interstate Highway
State Highway
U.S. Route
2015 Egeria Treatment Areas
DBW Treatment Sites
County Boundaries
Miles
0
0.2
0.4
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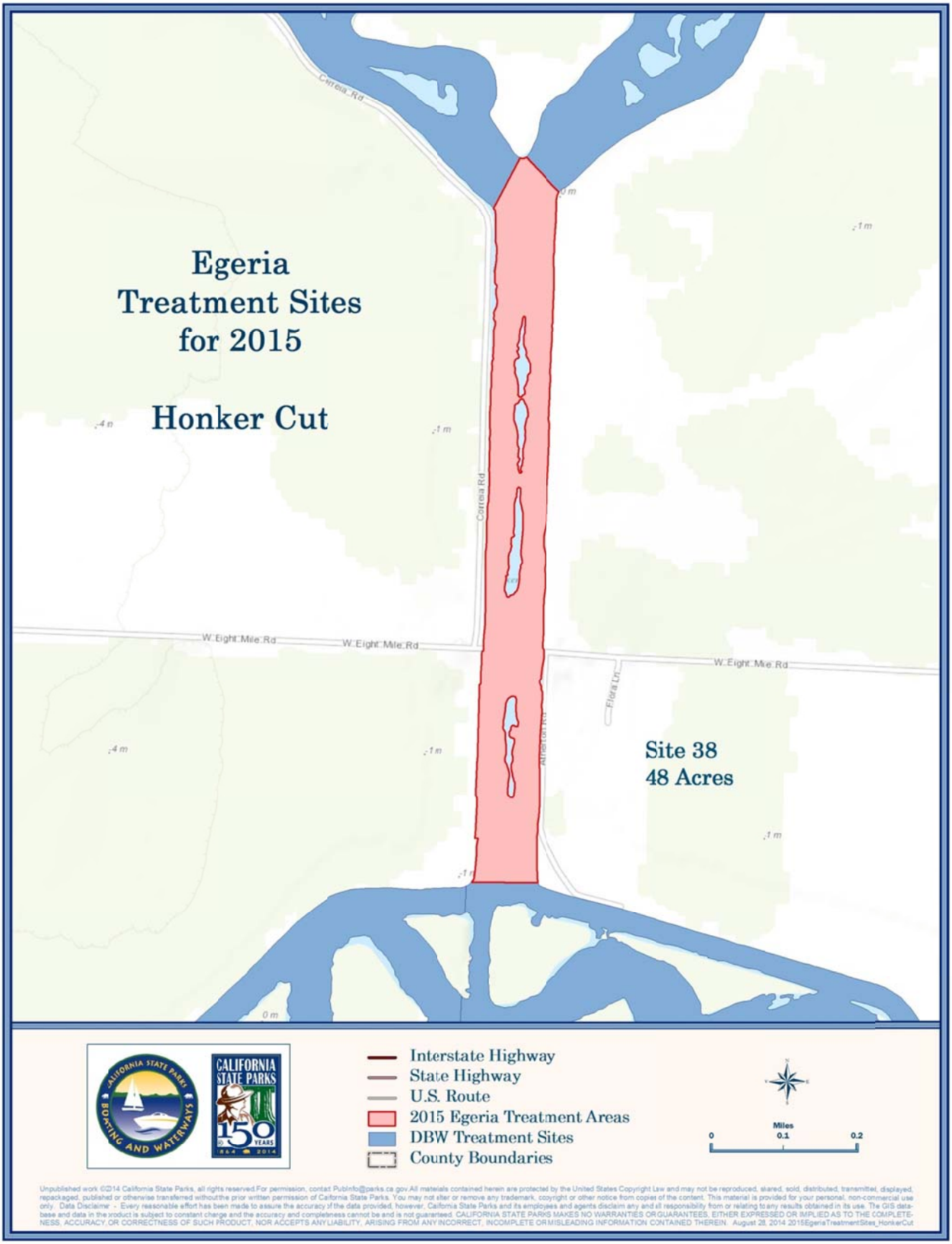
Egeria
Treatment Sites
for 2015
Honker Cut
Site 38
48 Acres
Correia Rd
W. Eight Mile Rd
Flora Ln
Interstate Highway
State Highway
U.S. Route
2015 Egeria Treatment Areas
DBW Treatment Sites
County Boundaries
Miles
0
0.1
0.2
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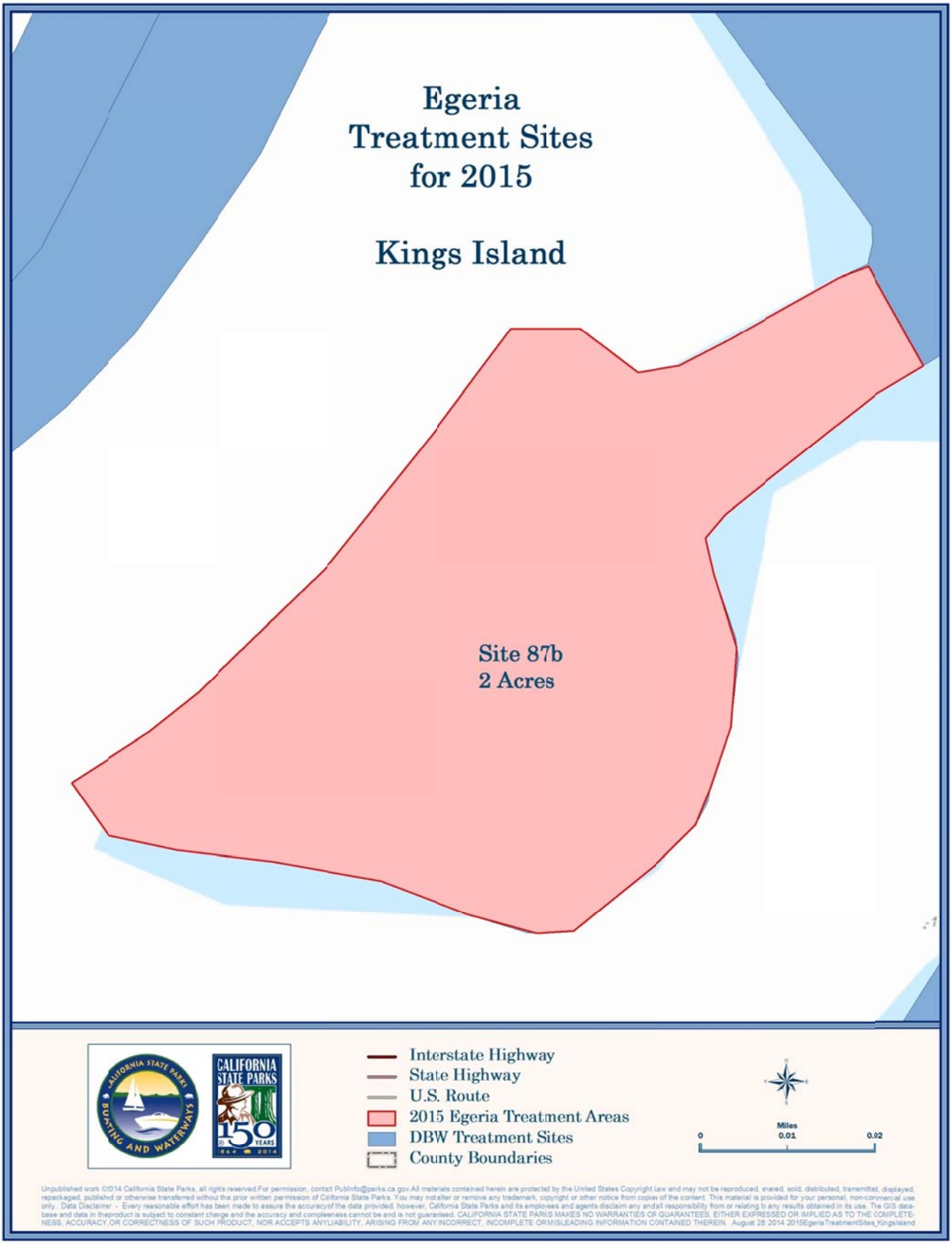
Egeria
Treatment Sites
for 2015
Kings Island
Site 87b
2 Acres
Interstate Highway
State Highway
U.S. Route
2015 Egeria Treatment Areas
DBW Treatment Sites
County Boundaries
Miles
0
0.01
0.02
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Egeria
Treatment Sites
for 2015
Italian Slough
Site 88
4 Acres
Clifton Ct
Interstate Highway
State Highway
U.S. Route
2015 Egeria Treatment Areas
DBW Treatment Sites
County Boundaries
Miles
0
0.025
0.05
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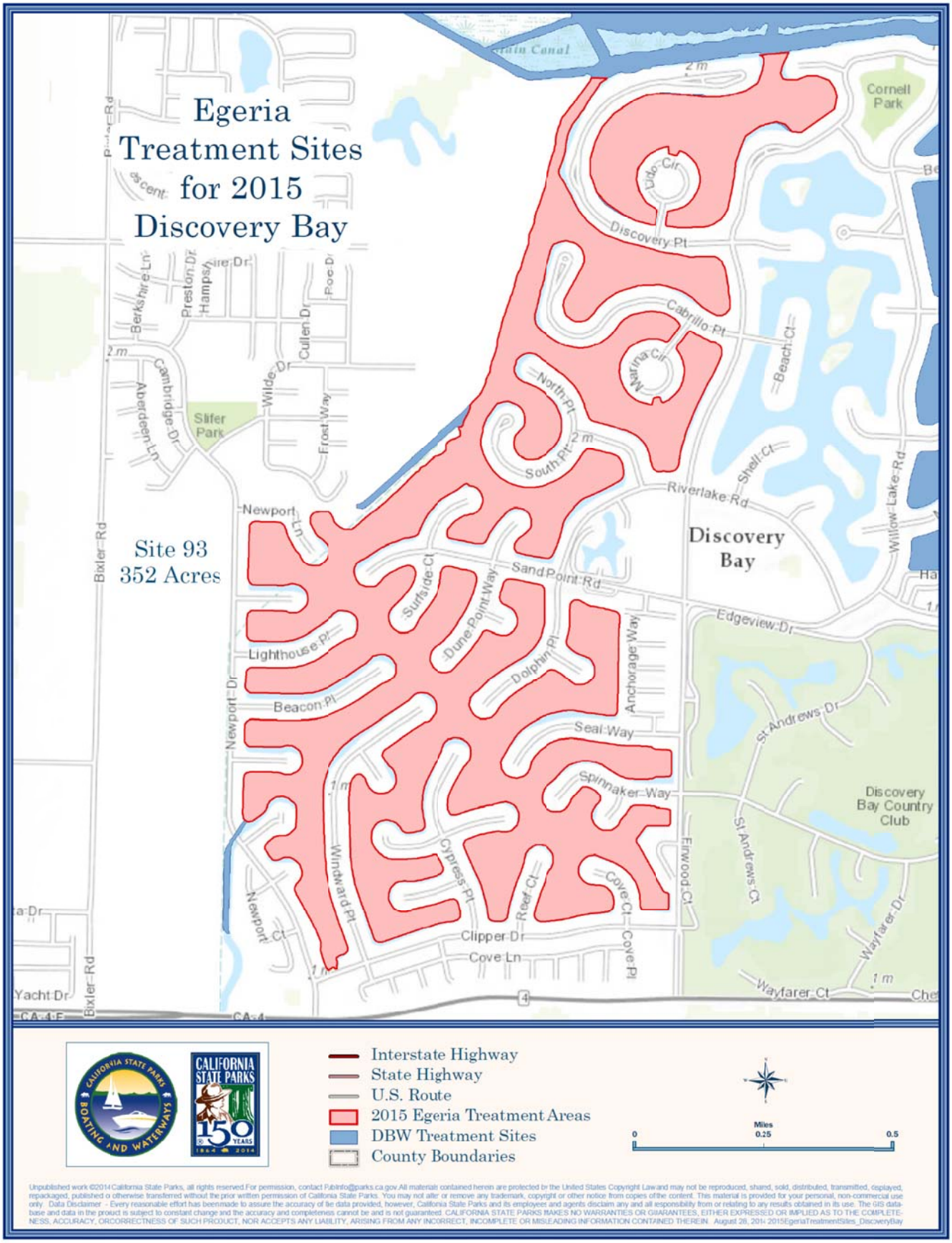

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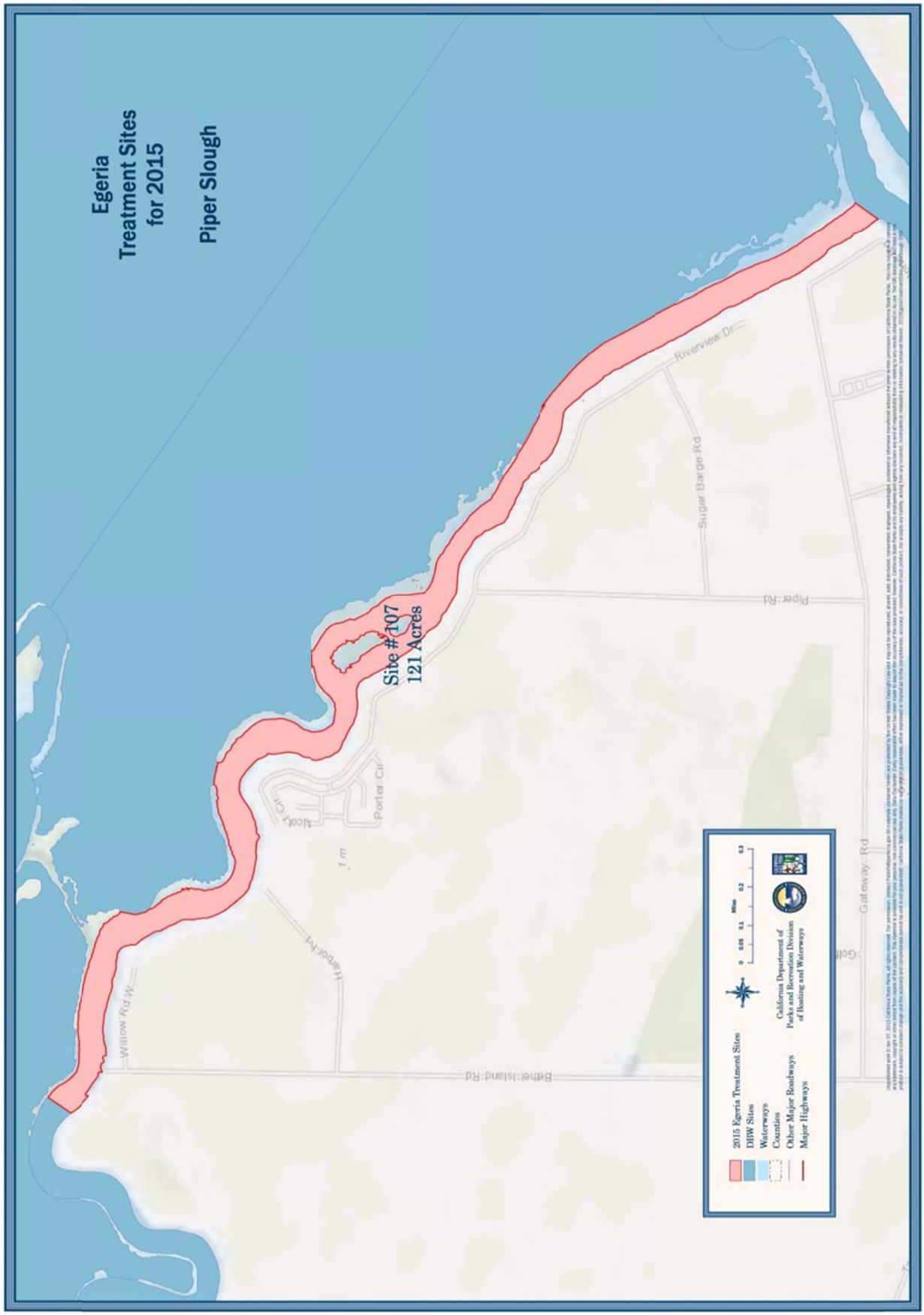
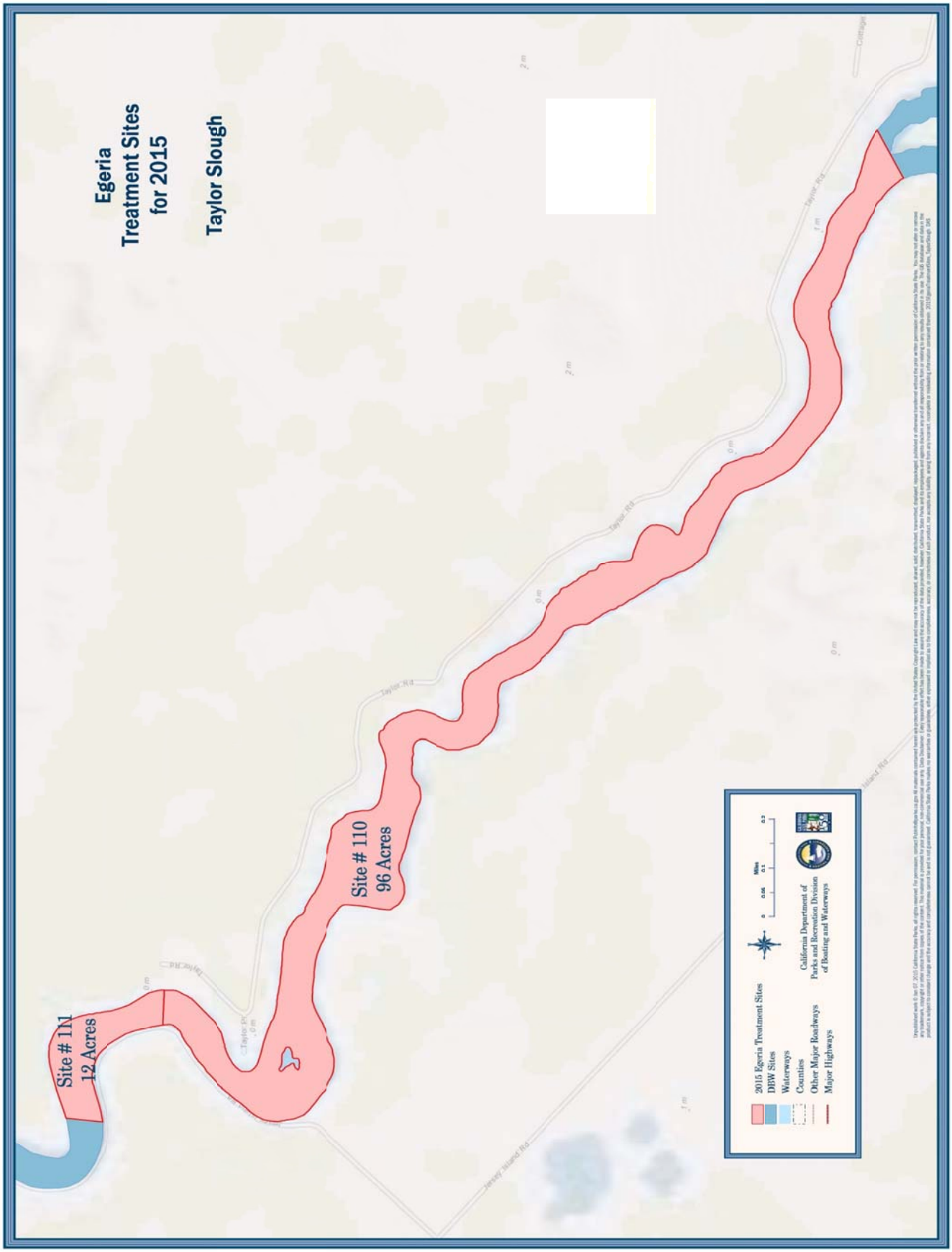
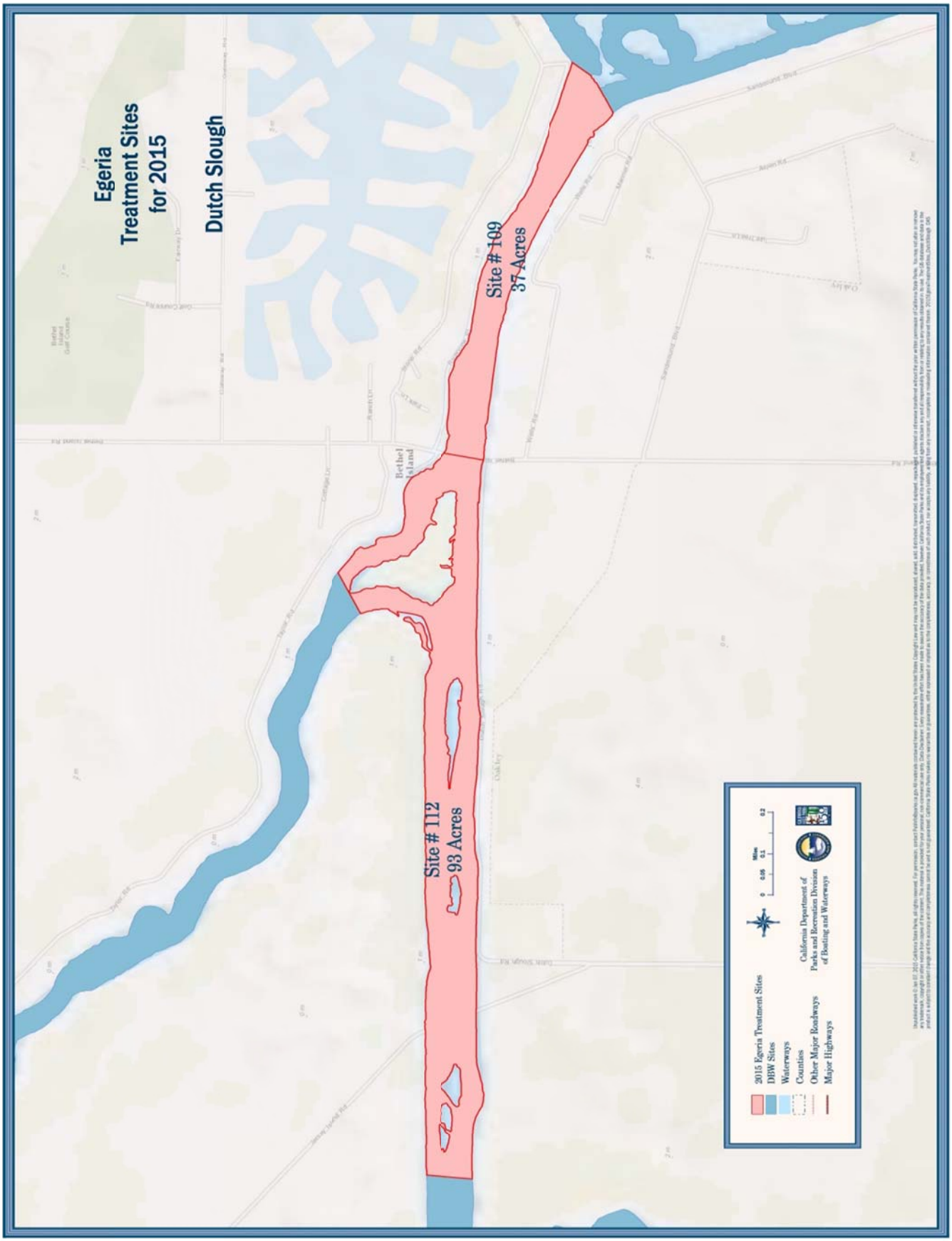
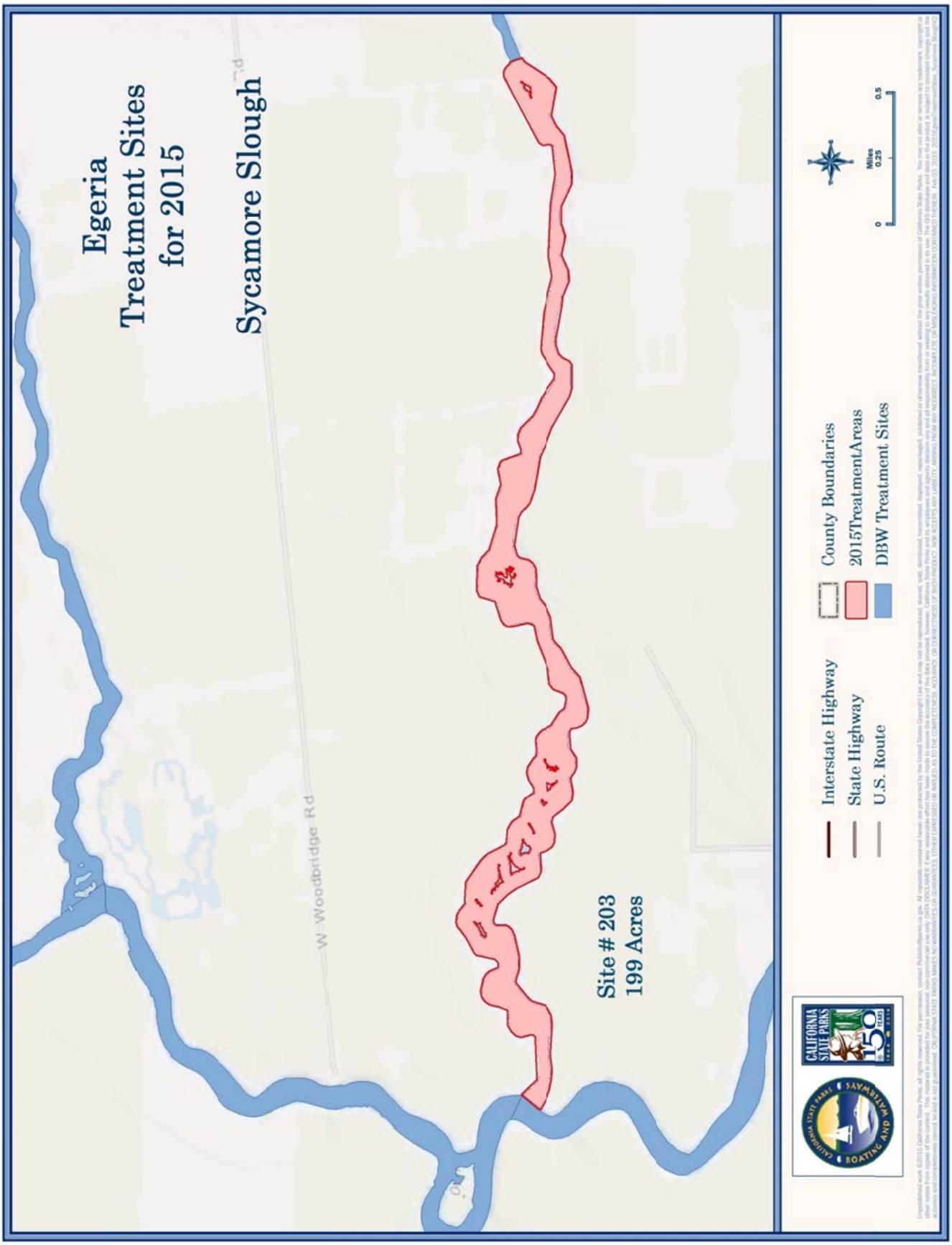
Egeria
Treatment Sites
for 2015
Lundquist's /
Holland Riverside
Site 97
33 Acres
Holland Tract Rd
Interstate Highway
State Highway
U.S. Route
County Boundaries
2015TreatmentAreas
DBW Treatment Sites
0
0.1
0.2

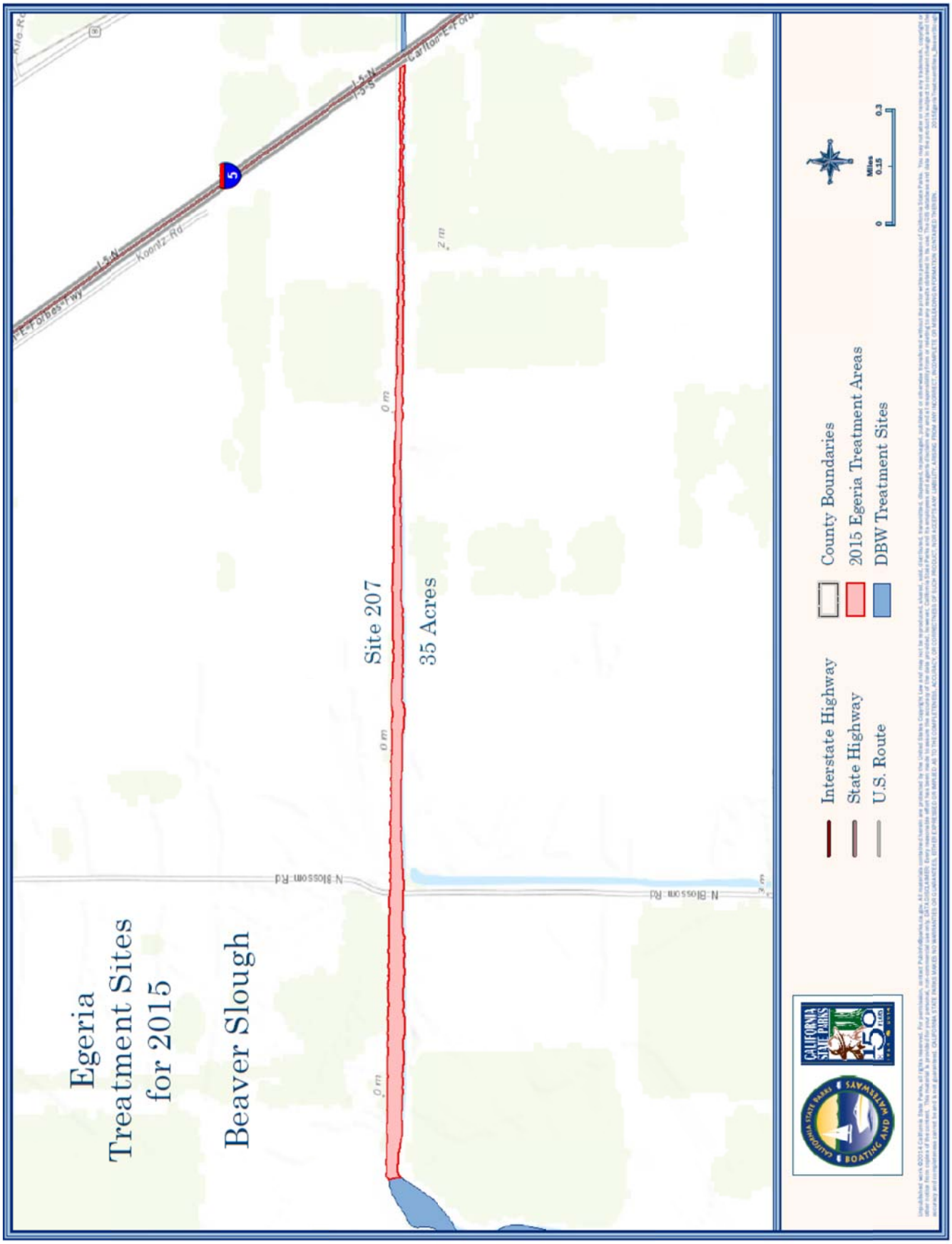

Egeria
Treatment Sites
for 2015
Piper Slough
Site #107
121 Acres
Willow Rd W
Harbor Rd
Hook Cir
Porter Cir
Bethel Island Rd
Piper Rd
Sugar Barge Rd
Riverview Dr
Gateway Rd
2015 Egeria Treatment Sites
DBW Sites
Waterways
Counties
Other Major Roadways
Major Highways
California Department of
Parks and Recreation Division
of Boating and Waterways

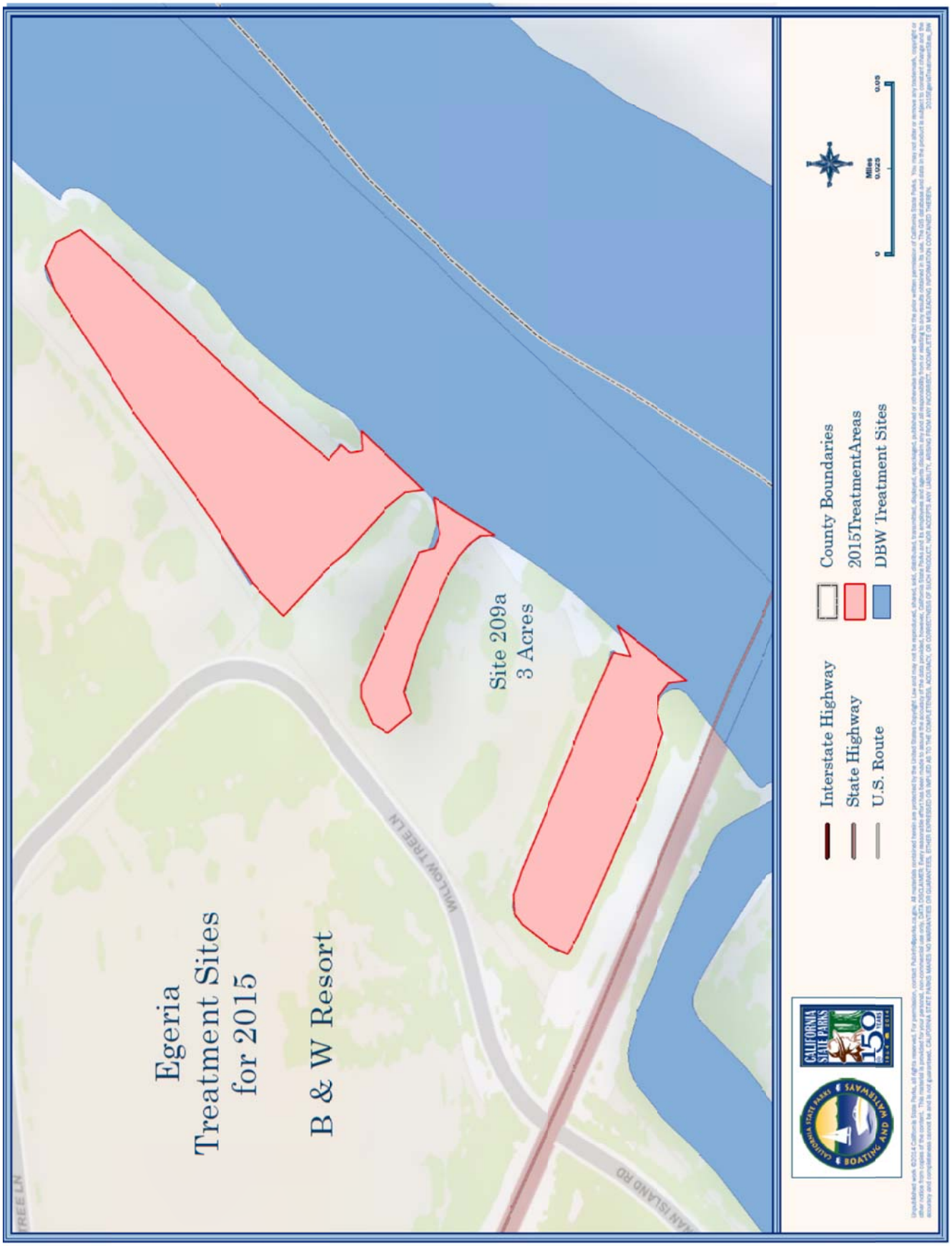

Egeria
Treatment Sites
for 2015
Taylor Slough
Site # 111
12 Acres
Site # 110
96 Acres
Taylor Rd
Taylor Dr
Jersey Island Rd
Island Rd
Cottage
2015 Egeria Treatment Sites
DBW Sites
Waterways
Counties
Other Major Roadways
Major Highways
California Department of
Parks and Recreation Division
of Boating and Waterways

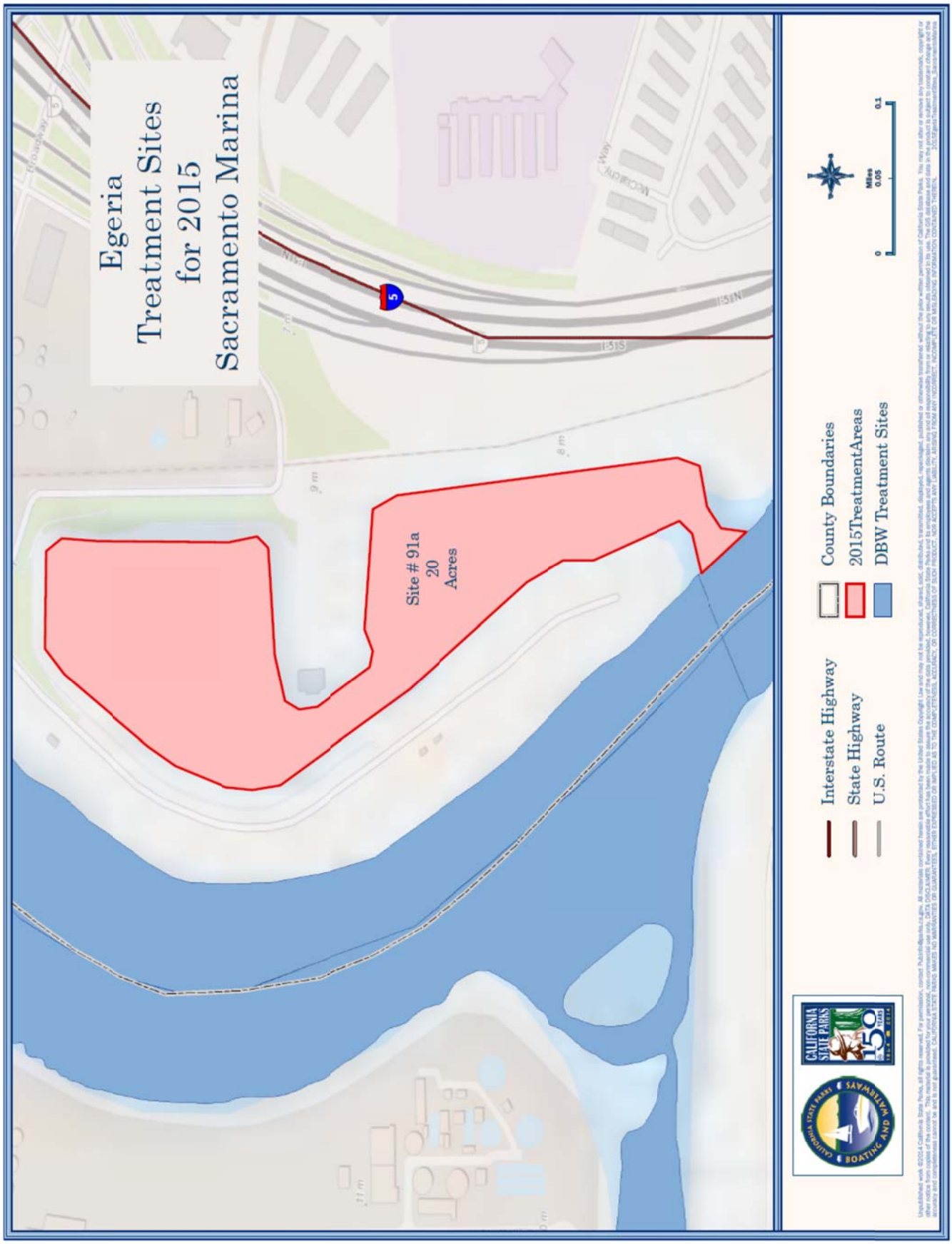

Egeria
Treatment Sites
for 2015
Dutch Slough
Site # 109
37 Acres
Site # 112
93 Acres
Bethel Island
2015 Egeria Treatment Sites
DBW Sites
Waterways
Counties
Other Major Roadways
Major Highways
California Department of
Parks and Recreation Division
of Boating and Waterways

Egeria
Treatment Sites
for 2015
Delta Marina Rio Vista
HAMILTON AVE
S 2ND ST
MARINA DR
EDGEWATER DR
BEACH DR
5 m
Site 140
8 Acres
Interstate Highway
State Highway
U.S. Route
2015 Egeria Treatment Areas
DBW Treatment Sites
County Boundaries
Miles
0
0.025
0.05


Egeria
Treatment Sites
for 2015
Sycamore Slough
W Woodbridge Rd
Site # 203
199 Acres
Interstate Highway
State Highway
U.S. Route
County Boundaries
2015TreatmentAreas
DBW Treatment Sites
0
0.25
0.5
Miles


Egeria
Treatment Sites
for 2015
Beaver Slough
Site 207
35 Acres
N Blossom Rd
Koontz Rd
Interstate Highway
State Highway
U.S. Route
County Boundaries
2015 Egeria Treatment Areas
DBW Treatment Sites
Miles
0
0.15
0.3


Egeria
Treatment Sites
for 2015
B & W Resort
Site 209a
3 Acres
WILLOW TREE LN
Interstate Highway
State Highway
U.S. Route
County Boundaries
2015TreatmentAreas
DBW Treatment Sites
0
Miles
0.025
0.05


Egeria
Treatment Sites
for 2015
Sacramento Marina
Site # 91a
20
Acres
Interstate Highway
State Highway
U.S. Route
County Boundaries
2015TreatmentAreas
DBW Treatment Sites
Miles
0
0.05
0.1

APPENDIX B

1 California Agricultural Pest Control Recommendation 45
2 2015 EDCP Fluridone Treatment Plan 47
3 CDFA Chemical Residue Analysis 50
4 NPDES Monitoring Test Results 66
5 SePro Fastest Sampling Results 67

1 CA Agricultural Pest Control Recommendation

PEST CONTROL RECOMMENDATION California Department of Parks and Recreation Division of Boating and Waterways Aquatic Invasive Species Program 1 Capitol Mall, Suite 410 Sacramento, CA 95814	
OPERATOR OF THE PROPERTY:	CA State Parks, Division of Boating and Waterways, Aquatic Invasive Species Program
LOCATIONS TO BE TREATED:	Delta Waterways in San Joaquin, Sacramento, and Contra Costa counties (see attached map)
TARGET PEST	Submersed aquatic vegetation (*Egeria densa* and Curly Leaf Pondweed)
ACRES AND LOCATIONS TO BE TREATED	As needed (see attached treatment sites)
	ALWAYS READ AND FOLLOW LABEL RECOMMENDATIONS. APPLICATOR MUST WEAR APPROPRIATE PROTECTIVE EQUIPMENT/CLOTHING.
NAME OF HERBICIDES AND APPLICATION RATES	Sonar One – 5-20 ppb/application Sonar Q – 5-20 ppb/application Sonar PR – 5-20 ppb/ application NOTE: Treatment protocol is designed to maintain a range of 1-10 ppb of Fluridone in the water column during the treatment period.
WATER USE RESTRICTIONS	Per product label, water from Sonar treated areas can be immediately used for swimming, fishing and potable uses. Water users are not expected to be impacted by the treatments scheduled under this Fluridone program. The use of FasTEST assay will be used for monitoring Fluridone concentrations I water surrounding the treatment areas. FasTEST data will also be used to make the necessary adjustments to treatment frequency and rates (within label specifications) to achieve optimum control and monitor concentrations at irrigation intakes. The following guidelines (as specified on the product label) will be implemented should water from these treatment sites be needed for irrigation purposes. Water from Sonar treated areas should not be used to irrigate established turf, row crops, and tree crops if Fluridone concentrations are greater than 10 ppb. Water from Sonar treated areas should not be used to irrigate newly seeded grasses, tobacco, tomatoes, peppers, and other plants in the Solanaceae family until Fluridone concentrations are 5 ppb or lower. DO NOT use Fluridone treated water for irrigation of greenhouse or nursery plants until Fluridone concentrations are <1ppb.
RECOMMENDED TREATMENT PROTOCOL	1). Time/Schedule Treatment Window: March 9 – June 1, 2015 2). Concentrations (ppb): Sonar products will be used as needed to maintain approximately 1-10 ppb of Fluridone in the water column during the treatment program. Applications will occur as needed per label guidelines.
CRITERIA USED FOR DETERMINING	The California State Parks' Division of Boating and Waterways is the designated lead agency to develop and implement a control program for the aquatic weed *Egeria densa* and Curly leaf pondweed in the Sacramento-San Joaquin Delta. The

THE NEED FOR TREATMENT	primary objective of this program is to improve navigation in currently infested areas of the Delta by reducing the growth and spread of *Egeria densa* and curly leaf pondweed. An Environmental Impact Report (EIR) was completed in 2000 and updated in 2006 to address potential impacts of the program. The proposed Sonar treatment program for 2015 follows the treatment protocols outlined I the EIR, as well as the specific treatment guidelines established by state and federal agencies ; State Water Resources Control Board, CA Department of Fish and Wildlife, U. S, Fish and Wildlife, and the National Marine Fisheries Services.

I certify that alternatives and mitigation measures that would substantially lessen ay significant adverse on the environment have been considered, and if feasible adopted.

Leandro Ramos
Ag. Pest Control Adviser/PCA License. No. 116287
Expires 12/31/15

2/27/15
Date

2 2015 EDCP Fluridone Treatment Plan (SePro)

2015 EDCP Sonar Treatment Plan - 25AUG2015

Beaver Slough - 207				9-Mar	16-Mar	23-Mar	30Mar	6-Apr	13-Apr	20-Apr	27-Apr	4-May	11-May	18-May	25-May	1-Jun	8-Jun	15-Jun	22-Jun	29-Jun	6-Jul	13-Jul	20-Jul	27-Jul	3-Aug	10-Aug	17-Aug	24-Aug	31-Aug	7-Sep	14-Sep	21-Sep	
Acres	Mean Depth		Application	Week 1	Week 2	Week 3	Wek 4	Week 5	Week 6	Week 7	Week 1	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
35.5	7.0	SonarOne	Rate (ppb)	0.0	0.0	15.0	10	10.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0																			35.0
			Pails	0.0	0.0	5.0	17	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0																			11.7
		Sonar PR	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	15.0																			35.0
			Pails	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.5	0.0	6.7																			15.7
		Sonar Q	Rate (ppb)	15.0	15.0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	15.0	0.0																			65.0
			Pails	5.0	5.0	0.0	0.0	0.0	0.0	3.4	3.4	0.0	0.0	5.0	0.0																			11.8
		Sonar AS	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			1.0
			Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			1.0
			Total Rate (ppb)	15.0	15.0	15.0	10	10.0	5.0	10.0	10.0	10.0	10.0	15.0	15.0																			115.0

Sacramento Marina - 250				Week 1	Week 2	Week 3	Wek 4	Week 5	Week 6	Week 7	Week 1	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth		Application																															
20.4	7.0	SonarOne	Rate (ppb)	0.0	0.0	10.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0																			40.0
			Pails	0.0	0.0	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0																			7.7
		Sonar PR	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	15.0																			35.0
			Pails	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	0.0	3.9																			9.0
		Sonar Q	Rate (ppb)	15.0	10.0	0.0	0.0	0.0	0.0	5.0	10.0	0.0	0.0	15.0	0.0																			55.0
			Pails	2.9	1.9	0.0	0.0	0.0	0.0	1.0	1.9	0.0	0.0	2.9	0.0																			10.6
		Sonar AS	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			1.0
			Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			1.0
			Total Rate (ppb)	15.0	10.0	10.0	10.0	10.0	10.0	5.0	10.0	10.0	10.0	15.0	15.0																			130.0

Atherton Cove - 8				Week 1	Week 2	Week 3	Wek 4	Week 5	Week 6	Week 7	Week 1	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth		Application																															
22.0	7.0	SonarOne	Rate (ppb)	0.0	0.0	15.0	11.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0																			50.0
			Pails	0.0	0.0	3.1	1.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0																			10.4
		Sonar PR	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	15.0	15.0	15.0																			55.0
			Pails	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	4.2	4.2	4.2																			15.2
		Sonar Q	Rate (ppb)	15.0	15.0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0																			50.0
			Pails	3.1	3.1	0.0	0.0	0.0	0.0	2.1	2.1	0.0	0.0	0.0	0.0																			10.4
		Sonar AS	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			1.0
			Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			1.0
			Total Rate (ppb)	15.0	15.0	15.0	11.0	10.0	10.0	10.0	10.0	10.0	15.0	15.0	15.0																			155.0

Power Squadron - 14				Week 1	Week 2	Week 3	Wek 4	Week 5	Week 6	Week 7	Week 1	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth		Application																															
18.3	7.0	SonarOne	Rate (ppb)	0.0	0.0	15.0	20.0	15.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0																			65.0
			Pails	0.0	0.0	2.6	1.5	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0																			11.2
		Sonar PR	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	15.0	15.0	15.0																			55.0
			Pails	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.5	3.5	3.5																			12.7
		Sonar Q	Rate (ppb)	15.0	15.0	0.0	0.0	0.0	0.0	15.0	10.0	0.0	0.0	0.0	0.0																			55.0
			Pails	2.6	2.6	0.0	0.0	0.0	0.0	2.6	1.7	0.0	0.0	0.0	0.0																			9.5
		Sonar AS	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			1.0
			Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			1.0
			Total Rate (ppb)	15.0	15.0	15.0	20.0	15.0	15.0	15.0	10.0	10.0	15.0	15.0	15.0																			175.0

St. Francis Yacht Club - 15				Week 1	Week 2	Week 3	Wek 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth		Application																															
19.0	7.0	SonarOne	Rate (ppb)	0.0	0.0	15.0	15.3	10.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0																			55.0
			Pails	0.0	0.0	2.7	2.1	1.8	2.7	0.0	0.0	0.0	0.0	0.0	0.0																			9.9
		Sonar PR	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	15.0	15.0	15.0																			55.0
			Pails	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.6	3.6	3.6																			13.2
		Sonar Q	Rate (ppb)	15.0	15.0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0																			50.0
			Pails	2.7	2.7	0.0	0.0	0.0	0.0	1.8	1.8	0.0	0.0	0.0	0.0																			9.0
		Sonar AS	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			0.0
			Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			0.0
			Total Rate (ppb)	15.0	15.0	15.0	15.3	10.0	15.0	10.0	10.0	10.0	15.0	15.0	15.0																			160.3

Korth's Pirates Lair - 18				Week 1	Week 2	Week 3	Wek 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth		Application																															
14.0	7.0	SonarOne	Rate (ppb)	0.0	0.0	20.0	15.3	20.0	15.0	0.0	0.0	20.0	15.0	0.0	0.0																			105.3
			Pails	0.0	0.0	2.6	2.1	2.6	2.0	0.0	0.0	2.6	2.0	0.0	0.0																			13.5
		Sonar PR	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	15.0																			35.0
			Pails	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.6																			6.2
		Sonar Q	Rate (ppb)	20.0	15.0	0.0	0.0	0.0	0.0	20.0	15.0	0.0	0.0	0.0	0.0																			70.0
			Pails	2.6	2.0	0.0	0.0	0.0	0.0	2.6	2.0	0.0	0.0	0.0	0.0																			9.3
		Sonar AS	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			0.0
			Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			0.0
			Total Rate (ppb)	20.0	15.0	20.0	15.3	20.0	15.0	20.0	15.0	20.0	15.0	20.0	15.0																			210.3

Willow Barn - 18				Week 1	Week 2	Week 3	Wek 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth		Application																															
19.3	7.0	SonarOne	Rate (ppb)	0.0	0.0	20.0	20.3	20.0	15.0	0.0	0.0	20.0	15.0	0.0	0.0																			130.3
			Pails	0.0	0.0	3.6	3.1	3.6	2.7	0.0	0.0	3.6	2.7	0.0	0.0																			20.1
		Sonar PR	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	15.0																			35.0
			Pails	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	3.6																			8.5
		Sonar Q	Rate (ppb)	20.0	15.0	0.0	0.0	0.0	0.0	20.0	15.0	0.0	0.0	0.0	0.0																			70.0
			Pails	3.6	2.7	0.0	0.0	0.0	0.0	3.6	2.7	0.0	0.0	0.0	0.0																			12.8
		Sonar AS	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			0.0
			Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			0.0
			Total Rate (ppb)	20.0	15.0	20.0	20.3	20.0	15.0	20.0	15.0	20.0	15.0	20.0	15.0																			215.3

Perry's Yacht Harbor - 18				Week 1	Week 2	Week 3	Wek 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth		Application																															
8.7	7.0	SonarOne	Rate (ppb)	0.0	0.0	20.0	15.3	20.0	15.0	0.0	0.0	20.0	15.0	0.0	0.0																			105.3
			Pails	0.0	0.0	1.6	1.1	1.6	1.2	0.0	0.0	1.6	1.2	0.0	0.0																			8.6
		Sonar PR	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	15.0																			35.0
			Pails	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.6																			3.8
		Sonar Q	Rate (ppb)	20.0	15.0	0.0	0.0	0.0	0.0	20.0	15.0	0.0	0.0	0.0	0.0																			70.0
			Pails	1.6	1.2	0.0	0.0	0.0	0.0	1.6	1.2	0.0	0.0	0.0	0.0																			5.8
		Sonar AS	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			0.0
			Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			0.0
			Total Rate (ppb)	20.0	15.0	20.0	15.3	20.0	15.0	20.0	15.0	20.0	15.0	20.0	15.0																			210.3

Brennan Island Park - 22		Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne Rate (ppb)	0.0	0.0	15.0	20.0	20.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0																		70.0
		SonarOne Pail	0.0	0.0	0.3	1.4	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0																		1.3
		Sonar PR Rate (ppb)	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	15.0	15.0	15.0	15.0																		60.0
		Sonar PR Pail	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4																		1.5
2.0	7.0	Sonar Q Rate (ppb)	15.0	15.0	0.0	1.0	0.0	0.0	15.0	15.0	0.0	0.0	0.0	0.0																		60.0
		Sonar Q Pail	0.3	0.3	0.0	1.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0																		1.1
		Sonar AS Rate (ppb)	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Sonar AS Gallons	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Total Rate (ppb)	15.0	15.0	15.0	20.0	20.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0																		190.0

Village West/14 Mile - 26		Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne Rate (ppb)	0.0	0.0	10.0	1.0	5.0	5.0	0.0	5.0	0.0	0.0	0.0	0.0																		30.0
		SonarOne Pail	0.0	0.0	8.7	1.4	4.4	4.4	0.0	4.4	0.0	0.0	0.0	0.0																		26.1
		Sonar PR Rate (ppb)	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	5.0	5.0	10.0	7.5																		27.5
		Sonar PR Pail	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	5.8	5.8	11.6	8.7																		31.9
92.1	7.0	Sonar Q Rate (ppb)	10.0	5.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		15.0
		Sonar Q Pail	8.7	4.4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		13.1
		Sonar AS Rate (ppb)	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Sonar AS Gallons	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Total Rate (ppb)	10.0	5.0	10.0	1.0	5.0	5.0	0.0	5.0	5.0	5.0	10.0	7.5																		72.5

Bishop Cut - 34		Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne Rate (ppb)	0.0	10.0	5.0	10.0	10.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0																		65.0
		SonarOne Pail	0.0	10.6	5.3	10.6	10.6	10.6	10.6	10.6	0.0	0.0	0.0	0.0																		68.9
		Sonar PR Rate (ppb)	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	10.0	10.0	15.0	15.0																		50.0
		Sonar PR Pail	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	14.1	14.1	21.2	21.2																		70.6
112.1	7.0	Sonar Q Rate (ppb)	10.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		10.0
		Sonar Q Pail	10.6	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		10.6
		Sonar AS Rate (ppb)	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Sonar AS Gallons	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Total Rate (ppb)	10.0	10.0	5.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	15.0	15.0																		125.0

Hooker Cut - 38		Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne Rate (ppb)	0.0	15.0	15.0	20.0	15.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0																		85.0
		SonarOne Pail	0.0	6.8	6.8	9.1	6.8	9.1	0.0	0.0	0.0	0.0	0.0	0.0																		38.6
		Sonar PR Rate (ppb)	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	15.0	15.0	15.0	20.0																		65.0
		Sonar PR Pail	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	9.1	9.1	9.1	12.1																		39.3
45.0	7.0	Sonar Q Rate (ppb)	15.0	0.0	0.0	1.0	0.0	0.0	15.0	15.0	0.0	0.0	0.0	0.0																		45.0
		Sonar Q Pail	6.8	0.0	0.0	1.0	0.0	0.0	6.8	6.8	0.0	0.0	0.0	0.0																		20.4
		Sonar AS Rate (ppb)	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Sonar AS Gallons	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Total Rate (ppb)	15.0	15.0	15.0	20.0	15.0	20.0	15.0	15.0	15.0	15.0	15.0	20.0																		195.0

Holland Riverside - 97		Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne Rate (ppb)	0.0	0.0	15.0	15.0	15.0	15.0	0.0	0.0	20.0	0.0	0.0	0.0																		80.0
		SonarOne Pail	0.0	0.0	4.6	4.6	4.6	4.6	0.0	0.0	6.2	0.0	0.0	0.0																		21.8
		Sonar PR Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	15.0	15.0																		45.0
		Sonar PR Pail	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.2	6.2																		18.6
32.8	7.0	Sonar Q Rate (ppb)	15.0	15.0	0.0	0.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0																		70.0
		Sonar Q Pail	4.6	4.6	0.0	0.0	0.0	0.0	6.2	6.2	0.0	0.0	0.0	0.0																		21.7
		Sonar AS Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Sonar AS Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Total Rate (ppb)	15.0	15.0	15.0	15.0	15.0	15.0	20.0	20.0	20.0	15.0	15.0	15.0																		195.0

Sandmound Slough - 109		Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne Rate (ppb)	0.0	0.0	15.0	15.0	10.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0																		60.0
		SonarOne Pail	0.0	0.0	27.4	27.4	18.3	18.3	0.0	0.0	18.3	0.0	0.0	0.0																		109.5
		Sonar PR Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	15.0	15.0																		40.0
		Sonar PR Pail	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	36.5	36.5																		97.3
149.0	1.0	Sonar Q Rate (ppb)	15.0	15.0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0																		50.0
		Sonar Q Pail	27.4	27.4	0.0	0.0	0.0	0.0	18.3	18.3	0.0	0.0	0.0	0.0																		91.3
		Sonar AS Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Sonar AS Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Total Rate (ppb)	15.0	15.0	15.0	15.0	10.0	10.0	10.0	10.0	10.0	10.0	15.0	15.0																		150.0

Taylor Slough - 110		Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne Rate (ppb)	0.0	0.0	15.0	15.0	10.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0																		60.0
		SonarOne Pail	0.0	0.0	15.6	15.6	10.4	10.4	0.0	0.0	10.4	0.0	0.0	0.0																		62.3
		Sonar PR Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	15.0	15.0																		40.0
		Sonar PR Pail	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	20.8	20.8																		55.4
96.1	1.0	Sonar Q Rate (ppb)	15.0	15.0	0.0	0.0	0.0	0.0	7.5	10.0	0.0	0.0	0.0	0.0																		47.5
		Sonar Q Pail	15.6	15.6	0.0	0.0	0.0	0.0	7.8	10.4	0.0	0.0	0.0	0.0																		49.3
		Sonar AS Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Sonar AS Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Total Rate (ppb)	15.0	15.0	15.0	15.0	10.0	10.0	7.5	10.0	10.0	10.0	15.0	15.0																		147.5

Taylor Slough - 111		Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne Rate (ppb)	0.0	0.0	15.0	15.0	10.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0																		60.0
		SonarOne Pail	0.0	0.0	1.9	1.9	1.3	1.3	0.0	0.0	1.3	0.0	0.0	0.0																		7.5
		Sonar PR Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	15.0	15.0																		40.0
		Sonar PR Pail	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.5	2.5																		6.7
11.6	1.0	Sonar Q Rate (ppb)	15.0	15.0	0.0	0.0	0.0	0.0	7.5	10.0	0.0	0.0	0.0	0.0																		47.5
		Sonar Q Pail	1.9	1.9	0.0	0.0	0.0	0.0	0.9	1.3	0.0	0.0	0.0	0.0																		6.0
		Sonar AS Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Sonar AS Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Total Rate (ppb)	15.0	15.0	15.0	15.0	10.0	10.0	7.5	10.0	10.0	10.0	15.0	15.0																		147.5

Dutch Slough - 112		Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne Rate (ppb)	0.0	0.0	15.0	15.0	15.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0																		65.0
		SonarOne Pail	0.0	0.0	14.3	14.3	14.3	9.5	0.0	0.0	9.5	0.0	0.0	0.0																		61.8
		Sonar PR Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	15.0	15.0																		40.0
		Sonar PR Pail	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	19.0	19.0																		50.7
55.0	1.0	Sonar Q Rate (ppb)	15.0	15.0	0.0	0.0	0.0	0.0	2.5	10.0	0.0	0.0	0.0	0.0																		42.5
		Sonar Q Pail	14.3	14.3	0.0	0.0	0.0	0.0	2.4	9.5	0.0	0.0	0.0	0.0																		40.4
		Sonar AS Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Sonar AS Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Total Rate (ppb)	15.0	15.0	15.0	15.0	15.0	10.0	2.5	10.0	10.0	10.0	15.0	15.0																		147.5

Sandmound Slough - 108		Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne Rate (ppb)	0.0	0.0	15.0	15.0	10.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0																		60.0
		SonarOne Pail	0.0	0.0	5.3	5.3	3.6	3.6	0.0	0.0	3.6	0.0	0.0	0.0																		21.4
		Sonar PR Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	15.0	15.0																		40.0
		Sonar PR Pail	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	7.1	7.1																		19.0
33.0	1.0	Sonar Q Rate (ppb)	15.0	15.0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0																		50.0
		Sonar Q Pail	5.3	5.3	0.0	0.0	0.0	0.0	3.6	3.6	0.0	0.0	0.0	0.0																		17.8
		Sonar AS Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Sonar AS Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Total Rate (ppb)	15.0	15.0	15.0	15.0	10.0	10.0	10.0	10.0	10.0	10.0	15.0	15.0																		150.0

Delta Marina - 140		Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne Rate (ppb)	0.0	0.0	20.0	15.0	20.0	15.0	0.0	15.0	20.0	15.0	0.0	0.0																		120.0
		SonarOne Pail	0.0	0.0	1.5	1.1	1.5	1.1	0.0	1.1	1.5	1.1	0.0	0.0																		9.1
		Sonar PR Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	15.0																		35.0
		Sonar PR Pail	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.5																		3.5
8.0	7.0	Sonar Q Rate (ppb)	20.0	15.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0																		45.0
		Sonar Q Pail	1.5	1.1	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0																		3.4
		Sonar AS Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Sonar AS Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Total Rate (ppb)	20.0	15.0	20.0	15.0	20.0	15.0	10.0	15.0	20.0	15.0	20.0	15.0																		200.0

BW Resort - 209		Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne Rate (ppb)	0.0	0.0	20.0	15.0	20.0	15.0	0.0	15.0	20.0	15.0	0.0	0.0																		120.0
		SonarOne Pail	0.0	0.0	0.6	0.5	0.6	0.5	0.0	0.5	0.6	0.5	0.0	0.0																		3.9
		Sonar PR Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	15.0																		35.0
		Sonar PR Pail	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.6																		1.5
3.4	7.0	Sonar Q Rate (ppb)	20.0	15.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0																		45.0
		Sonar Q Pail	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0																		1.4
		Sonar AS Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Sonar AS Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Total Rate (ppb)	20.0	15.0	20.0	15.0	20.0	15.0	10.0	15.0	20.0	15.0	20.0	15.0																		200.0

[illegible]				9-Mar	16-Mar	23-Mar	30-Mar	6-Apr	13-Apr	20-Apr	27-Apr	4-May	11-May	18-May	25-May	1-Jun	8-Jun	15-Jun	22-Jun	29-Jun	6-Jul	13-Jul	20-Jul	27-Jul	3-Aug	10-Aug	17-Aug	24-Aug	31-Aug	7-Sep	14-Sep	21-Sep	
Kings Island - 87			Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne	Rate (ppb)	0.0	0.0	20.0	15.0	20.0	15.0	0.0	15.0	20.0	15.0	0.0	0.0																		120.0
			Pails	0.0	0.0	0.4	0.3	0.4	0.3	0.0	0.3	0.4	0.3	0.0	0.0																		2.5
		Sonar PR	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	15.0																		35.0
			Pails	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4																		1.0
2.2	7.0	Sonar Q	Rate (ppb)	20.0	15.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0																		50.0
			Pails	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0																		1.0
		Sonar AS	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
			Gallon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
			Total Rate (ppb)	20.0	15.0	20.0	15.0	20.0	15.0	15.0	15.0	20.0	15.0	20.0	15.0																		205.0
Indian Slough - 88			Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne	Rate (ppb)	0.0	0.0	15.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		30.0
			Pails	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		1.2
		Sonar PR	Rate (ppb)	0.0	0.0	0.0	0.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0																		120.0
			Pails	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8																		6.7
4.4	7.0	Sonar Q	Rate (ppb)	15.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		30.0
			Pails	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		1.2
		Sonar AS	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
			Gallon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
			Total Rate (ppb)	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0																		180.0
Discovery Bay West - 93			Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
			Pails	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
		Sonar PR	Rate (ppb)	5.1	5.0	5.0	10.0	5.0	0.0	0.0	10.0	5.0	10.0	5.0	7.5	0.0	7.5	0.0	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0	106.1
			Pails	26.1	25.6	25.6	51.3	25.6	0.0	0.0	51.3	25.6	51.3	25.6	38.4	0.0	38.4	0.0	25.6	0.0	25.6	0.0	25.6	0.0	25.6	0.0	0.0	0.0	0.0	25.6	0.0	25.6	538.8
351.6	8.1	Sonar Q	Rate (ppb)	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		6.5
			Pails	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		25.0
		Sonar AS	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
			Gallon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
			Total Rate (ppb)	11.6	5.0	5.0	10.0	5.0	0.0	0.0	10.0	5.0	10.0	5.0	7.5	0.0	7.5	0.0	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0	111.6
Piper Slough - 107			Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne	Rate (ppb)	0.0	0.0	15.0	15.0	20.0	10.0	0.0	0.0	10.0	10.0	0.0	0.0																		80.0
			Pails	0.0	0.0	17.1	17.1	22.8	11.4	0.0	0.0	11.4	11.4	0.0	0.0																		91.3
		Sonar PR	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0																		15.0
			Pails	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.8																		22.8
120.8	7.0	Sonar Q	Rate (ppb)	15.0	15.0	0.0	0.0	0.0	0.0	15.0	10.0	0.0	0.0	15.0	0.0																		70.0
			Pails	17.1	17.1	0.0	0.0	0.0	0.0	17.1	11.4	0.0	0.0	17.1	0.0																		79.9
		Sonar AS	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
			Gallon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
			Total Rate (ppb)	15.0	15.0	15.0	15.0	20.0	10.0	15.0	10.0	10.0	10.0	15.0	15.0																		165.0

Sycamore Slough 203			Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Acres	Mean Depth	SonarOne	Rate (ppb)	0.0	0.0	15.0	100	10.0	5.0	0.0	0.0	10.0	10.0	15.0	0.0																		75.0
			Pails	0.0	0.0	28.2	188	18.8	9.4	0.0	0.0	18.8	18.8	28.2	0.0																		140.8
		Sonar PR	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0																		15.0
			Pails	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5																		37.5
198.6	7.0	Sonar Q	Rate (ppb)	20.0	15.0	0.0	0.0	0.0	0.0	5.0	10.0	0.0	0.0	0.0	0.0																		50.0
			Pails	37.5	28.2	0.0	0.0	0.0	0.0	9.4	18.8	0.0	0.0	0.0	0.0																		93.8
		Sonar AS	Rate (ppb)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
			Gallons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		0.0
			Total Rate (ppb)	20.0	15.0	15.0	100	10.0	5.0	5.0	10.0	10.0	10.0	15.0	15.0																		140.0
Total All Sites			Application	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
1530.9		SonarOne	Pails	0	17	162	152	138	112	11	17	90	38	28	0																		764
		Sonar PR	Pails	26	26	26	51	26	1	1	52	70	163	186	266	0	38	0	26	0	26	0	26	0	26	0	0	0	0	26	0	26	1087
		Sonar Q	Pails	203	143	0	0	0	0	93	103	0	0	25	0																		567
		Sonar AS	Gallons	0	0	0	0	0	0	0	0	0	0	0	0																		0

Product	Inventory	Purchase	Total	Plan	Ending Inventory
SonarOne	777	0	777	764	13
Sonar PR	349	930	1279	1087	192
Sonar Q	639	0	639	567	72
Sonar AS	0	0	0	0	0

Calculations in the table are based upon SonarONE in 40# pails, SonarQ in 40# pails, and Sonar PR in 30# pails.

Inventory by Week	Starting Inventory	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
SonarOne	777	777	760	598	446	308	196	186	169	79	41	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
[illegible]	1279	1253	1227	1202	1130	1124	1123	1122	1070	1000	837	651	384	384	346	346	320	320	294	294	269	269	243	243	243	243	243	218	218	192
Sonar Q	639	436	294	294	294	294	294	201	97	97	97	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
Sonar AS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3 CDFA Chemical Residue Analysis

Date:	3/11/2015	Chemical:	Fluridone
Chemical Analytical Results		LOQ:	1.0 ppb
Reported by:	California Department of Food and Agriculture	Lab:	CDFA-CAC
	Center for Analytical Chemistry	Analytical Method:	WHS-SM-FL1
	3292 Meadowview Rd. Sacramento, CA 95832		

Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2014-2741	F-030615-1	3/6/2015	3/6/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2742	F-030615-2	3/6/2015	3/6/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2743	F-030615-3	3/6/2015	3/6/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2744	F-030615-4	3/6/2015	3/6/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2745	F-030615-5	3/6/2015	3/6/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2746	F-030615-6	3/6/2015	3/6/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2747	F-030615-7	3/6/2015	3/6/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2748	E026-030915-001	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2749	E026-030915-002	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2750	E026-030915-003	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2751	E026-030915-004	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2752	E026-030915-005	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2753	E209-030915-006	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2754	E209-030915-007	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2755	E209-030915-008	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2756	E209-030915-009	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2757	E015-030915-010	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2758	E015-030915-011	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2759	E015-030915-012	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2760	E015-030915-013	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2761	E097-030915-014	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2762	E097-030915-015	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2763	E097-030915-016	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2764	E097-030915-017	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample

Date: 3/19/2015
Chemical Analytical Results
Reported by: California Department of Food and Agriculture
Center for Analytical Chemistry
3292 Meadowview Rd. Sacramento, CA 95832

Chemical: Fluridone
LOQ: 1.0 ppb
Lab: CDFA-CAC
Analytical Method: WHS-SM-FL1

Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2014-2741	F-030615-1	3/6/2015	3/6/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2742	F-030615-2	3/6/2015	3/6/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2743	F-030615-3	3/6/2015	3/6/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2744	F-030615-4	3/6/2015	3/6/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2745	F-030615-5	3/6/2015	3/6/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2746	F-030615-6	3/6/2015	3/6/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2747	F-030615-7	3/6/2015	3/6/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2748	E026-030915-001	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2749	E026-030915-002	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2750	E026-030915-003	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2751	E026-030915-004	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2752	E026-030915-005	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2753	E209-030915-006	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2754	E209-030915-007	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2755	E209-030915-008	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2756	E209-030915-009	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2757	E015-030915-010	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2758	E015-030915-011	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2759	E015-030915-012	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2760	E015-030915-013	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2761	E097-030915-014	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2762	E097-030915-015	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2763	E097-030915-016	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2764	E097-030915-017	3/9/2015	3/9/2015	NA	3/10/2015	ND	NA	1		Sample
2014-2847	F-031715-1	3/17/2015	3/18/2015	NA	3/19/2015	1.8	NA	2		Sample
2014-2848	F-031615-4	3/16/2015	3/18/2015	NA	3/19/2015	ND	NA	2		Sample
2014-2849	F-031815-5	3/16/2015	3/18/2015	NA	3/19/2015	4.6	NA	2		Sample
2014-2850	F-031815-6	3/18/2015	3/18/2015	NA	3/19/2015	1.0	NA	2		Sample
2014-2851	F-031815-7	3/18/2015	3/18/2015	NA	3/19/2015	ND	NA	2		Sample
2014-2852	F-031815-10	3/18/2015	3/18/2015	NA	3/19/2015	2.0	NA	2		Sample
2014-2853	F-031715-11	3/17/2015	3/18/2015	NA	3/19/2015	ND	NA	2		Sample
2014-2854	F-031615-14	3/16/2015	3/18/2015	NA	3/19/2015	ND	NA	2		Sample
2014-2855	F-031615-16	3/16/2015	3/18/2015	NA	3/19/2015	ND	NA	2		Sample
2014-2856	F-031615-17	3/16/2015	3/18/2015	NA	3/19/2015	ND	NA	2		Sample
2014-2857	F-031815-18	3/18/2015	3/18/2015	NA	3/19/2015	3.1	NA	2		Sample
2014-2858	F-031815-20	3/18/2015	3/18/2015	NA	3/19/2015	1.8	NA	2		Sample
2014-2859	F-031715-24	3/17/2015	3/18/2015	NA	3/19/2015	2.2	NA	2		Sample
2014-2860	F-031715-26	3/17/2015	3/18/2015	NA	3/19/2015	ND	NA	2		Sample
2014-2861	F-031715-29	3/17/2015	3/18/2015	NA	3/19/2015	ND	NA	2		Sample
2014-2862	F-031715-31	3/17/2015	3/18/2015	NA	3/19/2015	2.6	NA	2		Sample
2014-2863	F-031715-33	3/17/2015	3/18/2015	NA	3/19/2015	3.3	NA	2		Sample
2014-2864	F-031715-36	3/17/2015	3/18/2015	NA	3/19/2015	3.5	NA	2		Sample
2014-2865	F-031715-38	3/17/2015	3/18/2015	NA	3/19/2015	2.4	NA	2		Sample
2014-2866	F-031715-39	3/17/2015	3/18/2015	NA	3/19/2015	4.3	NA	2		Sample
2014-2867	F-031615-41	3/16/2015	3/18/2015	NA	3/19/2015	1.8	NA	3		Sample
2014-2868	F-031615-42	3/16/2015	3/18/2015	NA	3/19/2015	2.1	NA	3		Sample
2014-2869	F-031615-43	3/16/2015	3/18/2015	NA	3/19/2015	1.4	NA	3		Sample
2014-2870	F-031715-46	3/17/2015	3/18/2015	NA	3/19/2015	3.4	NA	3		Sample
2014-2871	F-031715-48	3/17/2015	3/18/2015	NA	3/19/2015	1.1	NA	3		Sample
2014-2872	F-031715-49	3/17/2015	3/18/2015	NA	3/19/2015	1.0	NA	3		Sample
2014-2873	F-031715-51	3/17/2015	3/18/2015	NA	3/19/2015	2.2	NA	3		Sample
2014-2874	F-031715-53	3/17/2015	3/18/2015	NA	3/19/2015	1.3	NA	3		Sample
2014-2875	F-031715-55	3/17/2015	3/18/2015	NA	3/19/2015	4.7	NA	3		Sample
2014-2876	F-031615-E1	3/16/2015	3/18/2015	NA	3/19/2015	ND	NA	3		Sample
2014-2877	F-031615-E2	3/16/2015	3/18/2015	NA	3/19/2015	ND	NA	3		Sample
2014-2878	F-031615-E3	3/16/2015	3/18/2015	NA	3/19/2015	1.1	NA	3		Sample
2014-2879	F-031615-E4	3/16/2015	3/18/2015	NA	3/19/2015	ND	NA	3		Sample
2014-2880	F-031615-E5	3/16/2015	3/18/2015	NA	3/19/2015	ND	NA	3		Sample
2014-2881	F-031615-E6	3/16/2015	3/18/2015	NA	3/19/2015	ND	NA	3		Sample
2014-2882	F-031615-E7	3/16/2015	3/18/2015	NA	3/19/2015	ND	NA	3		Sample

Chemical: Fluridone
Chemical Analytical Results
LOQ: 1.0 ppb
Reported by: California Department of Food and Agriculture
Lab: CDFA-CAC
Center for Analytical Chemistry
Analytical Method: WHS-SM-FL1
3292 Meadowview Rd. Sacramento, CA 95832

Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2014-2906	F032315 1	3/23/2015	3/25/2015	NA	3/26/2015	20.2	NA	4		Sample
2014-2907	F032315 2	3/23/2015	3/25/2015	NA	3/26/2015	2.7	NA	4		Sample
2014-2908	F032415 3	3/23/2015	3/25/2015	NA	3/26/2015	2.3	NA	4		Sample
2014-2909	F032415 4	3/23/2015	3/25/2015	NA	3/26/2015	3.7	NA	4		Sample
2014-2910	F032415 5	3/23/2015	3/25/2015	NA	3/26/2015	4.7	NA	4		Sample
2014-2911	F032415 6	3/23/2015	3/25/2015	NA	3/26/2015	ND	NA	4		Sample
2014-2912	F032415 7	3/23/2015	3/25/2015	NA	3/26/2015	ND	NA	4		Sample
2014-2913	F032415 8	3/23/2015	3/25/2015	NA	3/26/2015	ND	NA	4		Sample
2014-2914	F032415 9	3/23/2015	3/25/2015	NA	3/26/2015	1.2	NA	4		Sample
2014-2915	F032415 10	3/23/2015	3/25/2015	NA	3/26/2015	ND	NA	4		Sample
2014-2916	F032315 11	3/23/2015	3/25/2015	NA	3/26/2015	10.3	NA	4		Sample
2014-2917	F032315 12	3/23/2015	3/25/2015	NA	3/26/2015	1.6	NA	4		Sample
2014-2918	F032315 13	3/23/2015	3/25/2015	NA	3/26/2015	ND	NA	4		Sample
2014-2919	F032315 14	3/23/2015	3/25/2015	NA	3/26/2015	ND	NA	4		Sample
2014-2920	F032315 15	3/23/2015	3/25/2015	NA	3/26/2015	2.9	NA	4		Sample
2014-2921	F032315 16	3/23/2015	3/25/2015	NA	3/26/2015	ND	NA	4		Sample
2014-2922	F032315 17	3/23/2015	3/25/2015	NA	3/26/2015	ND	NA	4		Sample
2014-2923	F032415 18	3/23/2015	3/25/2015	NA	3/26/2015	2.2	NA	4		Sample
2014-2924	F032415 19	3/23/2015	3/25/2015	NA	3/26/2015	2.5	NA	4		Sample
2014-2925	F032415 20	3/23/2015	3/25/2015	NA	3/26/2015	1.3	NA	4		Sample
2014-2926	F032415 21	3/23/2015	3/25/2015	NA	3/26/2015	2.2	NA	5		Sample
2014-2927	F032415 22	3/23/2015	3/25/2015	NA	3/26/2015	2.2	NA	5		Sample
2014-2928	F032415 23	3/23/2015	3/25/2015	NA	3/26/2015	2.1	NA	5		Sample
2014-2929	F032415 24	3/23/2015	3/25/2015	NA	3/26/2015	ND	NA	5		Sample
2014-2930	F032415 25	3/23/2015	3/25/2015	NA	3/26/2015	ND	NA	5		Sample
2014-2931	F032415 26	3/23/2015	3/25/2015	NA	3/26/2015	ND	NA	5		Sample
2014-2932	F032415 27	3/23/2015	3/25/2015	NA	3/26/2015	1.0	NA	5		Sample
2014-2933	F032315 28	3/23/2015	3/25/2015	NA	3/26/2015	ND	NA	5		Sample
2014-2934	F032315 29	3/23/2015	3/25/2015	NA	3/26/2015	3.4	NA	5		Sample
2014-2935	F032315 30	3/23/2015	3/25/2015	NA	3/26/2015	ND	NA	5		Sample
2014-2936	F032315 31	3/23/2015	3/25/2015	NA	3/26/2015	6.5	NA	5		Sample
2014-2937	F032315 32	3/23/2015	3/25/2015	NA	3/26/2015	2.7	NA	5		Sample
2014-2938	F032315 33	3/23/2015	3/25/2015	NA	3/26/2015	1.5	NA	5		Sample
2014-2939	F032315 34	3/23/2015	3/25/2015	NA	3/26/2015	1.8	NA	5		Sample
2014-2940	F032315 35	3/23/2015	3/25/2015	NA	3/26/2015	3.8	NA	5		Sample
2014-2941	F032315 36	3/23/2015	3/25/2015	NA	3/26/2015	7.7	NA	5		Sample
2014-2942	F032315 37	3/23/2015	3/25/2015	NA	3/26/2015	9.8	NA	5		Sample
2014-2943	F032315 38	3/23/2015	3/25/2015	NA	3/26/2015	1.7	NA	5		Sample
2014-2944	F032315 39	3/23/2015	3/25/2015	NA	3/26/2015	3.9	NA	5		Sample
2014-2945	F032315 40	3/23/2015	3/25/2015	NA	3/26/2015	1.1	NA	5		Sample
2014-2946	F032315 41	3/23/2015	3/25/2015	NA	3/27/2015	ND	NA	6		Sample
2014-2947	F032315 42	3/23/2015	3/25/2015	NA	3/27/2015	ND	NA	6		Sample
2014-2948	F032315 43	3/23/2015	3/25/2015	NA	3/27/2015	3.9	NA	6		Sample
2014-2949	F032315 44	3/23/2015	3/25/2015	NA	3/27/2015	ND	NA	6		Sample
2014-2950	F032315 45	3/23/2015	3/25/2015	NA	3/27/2015	7.4	NA	6		Sample
2014-2951	F032315 46	3/23/2015	3/25/2015	NA	3/27/2015	3.5	NA	6		Sample
2014-2952	F032315 47	3/23/2015	3/25/2015	NA	3/27/2015	1.4	NA	6		Sample
2014-2953	F032315 48	3/23/2015	3/25/2015	NA	3/27/2015	ND	NA	6		Sample
2014-2954	F032315 49	3/23/2015	3/25/2015	NA	3/27/2015	ND	NA	6		Sample
2014-2955	F032315 50	3/23/2015	3/25/2015	NA	3/27/2015	3.0	NA	6		Sample
2014-2956	F032315 51	3/23/2015	3/25/2015	NA	3/27/2015	1.5	NA	6		Sample
2014-2957	F032315 52	3/23/2015	3/25/2015	NA	3/27/2015	1.6	NA	6		Sample
2014-2958	F032315 53	3/23/2015	3/25/2015	NA	3/27/2015	1.8	NA	6		Sample
2014-2959	F032315 54	3/23/2015	3/25/2015	NA	3/27/2015	2.1	NA	6		Sample
2014-2960	F032315 55	3/23/2015	3/25/2015	NA	3/27/2015	4.0	NA	6		Sample
2014-2961	F032315 56	3/23/2015	3/25/2015	NA	3/27/2015	1.3	NA	7		Sample
2014-2962	F032315 57	3/23/2015	3/25/2015	NA	3/27/2015	2.2	NA	7		Sample
2014-2963	F032315 58	3/23/2015	3/25/2015	NA	3/27/2015	1.6	NA	7		Sample
2014-2964	F032315 E1	3/23/2015	3/25/2015	NA	3/27/2015	ND	NA	7		Sample
2014-2965	F032315 E2	3/23/2015	3/25/2015	NA	3/27/2015	ND	NA	7		Sample
2014-2966	F032315 E3	3/23/2015	3/25/2015	NA	3/27/2015	ND	NA	7		Sample
2014-2967	F032315 E4	3/23/2015	3/25/2015	NA	3/27/2015	ND	NA	7		Sample
2014-2968	F032315 E5	3/23/2015	3/25/2015	NA	3/27/2015	1.0	NA	7		Sample
2014-2969	F032315 E6	3/23/2015	3/25/2015	NA	3/27/2015	ND	NA	7		Sample
2014-2970	F032315 E7	3/23/2015	3/25/2015	NA	3/27/2015	ND	NA	7		Sample

Chemical: Fluridone
Chemical Analytical Results
LOQ: 1.0 ppb
Reported by: California Department of Food and Agriculture
Lab: CDFA-CAC
Center for Analytical Chemistry
Analytical Method: WHS-SM-FL1
3292 Meadowview Rd. Sacramento, CA 95832

Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2014-3131	F03 15-1	4/1/2015	4/2/2015	NA	4/2/2015	11.5	NA	8		Sample
2014-3132	F03 15-4	4/1/2015	4/2/2015	NA	4/2/2015	2.4	NA	8		Sample
2014-3133	F03 15-5	4/1/2015	4/2/2015	NA	4/2/2015	4.9	NA	8		Sample
2014-3134	F03 15-6	4/1/2015	4/2/2015	NA	4/2/2015	ND	NA	8		Sample
2014-3135	F03 15-7	4/1/2015	4/2/2015	NA	4/2/2015	ND	NA	8		Sample
2014-3136	F03 15-10	4/1/2015	4/2/2015	NA	4/2/2015	ND	NA	8		Sample
2014-3137	F03 15-11	4/1/2015	4/2/2015	NA	4/2/2015	ND	NA	8		Sample
2014-3138	F03 15-14	4/1/2015	4/2/2015	NA	4/2/2015	ND	NA	8		Sample
2014-3139	F03 15-16	4/1/2015	4/2/2015	NA	4/2/2015	ND	NA	8		Sample
2014-3140	F03 15-17	4/1/2015	4/2/2015	NA	4/2/2015	ND	NA	8		Sample
2014-3141	F03 15-18	4/1/2015	4/2/2015	NA	4/2/2015	1.5	NA	8		Sample
2014-3142	F03 15-20	4/1/2015	4/2/2015	NA	4/2/2015	1.0	NA	8		Sample
2014-3143	F03 15-21	4/1/2015	4/2/2015	NA	4/2/2015	1.3	NA	8		Sample
2014-3144	F03 15-24	4/1/2015	4/2/2015	NA	4/2/2015	ND	NA	8		Sample
2014-3145	F03 15-26	4/1/2015	4/2/2015	NA	4/2/2015	ND	NA	8		Sample
2014-3146	F03 15-29	4/1/2015	4/2/2015	NA	4/2/2015	ND	NA	8		Sample
2014-3147	F03 15-31	4/1/2015	4/2/2015	NA	4/2/2015	1.2	NA	8		Sample
2014-3148	F03 15-33	4/1/2015	4/2/2015	NA	4/2/2015	1.6	NA	8		Sample
2014-3149	F03 15-36	4/1/2015	4/2/2015	NA	4/2/2015	5.1	NA	9		Sample
2014-3150	F03 15-38	4/1/2015	4/2/2015	NA	4/2/2015	ND	NA	9		Sample
2014-3151	F03 15-39	4/1/2015	4/2/2015	NA	4/2/2015	2.0	NA	9		Sample
2014-3152	F03 15-41	4/1/2015	4/2/2015	NA	4/2/2015	2.2	NA	9		Sample
2014-3153	F03 15-42	4/1/2015	4/2/2015	NA	4/2/2015	1.3	NA	9		Sample
2014-3154	F03 15-43	4/1/2015	4/2/2015	NA	4/2/2015	1.3	NA	9		Sample
2014-3155	F03 15-46	4/1/2015	4/2/2015	NA	4/2/2015	8.5	NA	9		Sample
2014-3156	F03 15-48	4/1/2015	4/2/2015	NA	4/2/2015	2.2	NA	9		Sample
2014-3157	F03 15-49	4/1/2015	4/2/2015	NA	4/2/2015	2.3	NA	9		Sample
2014-3158	F03 15-51	4/1/2015	4/2/2015	NA	4/2/2015	1.5	NA	9		Sample
2014-3159	F03 15-53	4/1/2015	4/2/2015	NA	4/2/2015	3.4	NA	9		Sample
2014-3160	F03 15-55	4/1/2015	4/2/2015	NA	4/2/2015	2.4	NA	9		Sample
2014-3161	F03 15-E1	4/1/2015	4/2/2015	NA	4/2/2015	1.3	NA	9		Sample
2014-3162	F03 15-E2	4/1/2015	4/2/2015	NA	4/2/2015	1.5	NA	9		Sample
2014-3163	F03 15-E3	4/1/2015	4/2/2015	NA	4/2/2015	1.9	NA	9		Sample
2014-3164	F03 15-E4	4/1/2015	4/2/2015	NA	4/2/2015	ND	NA	9		Sample
2014-3165	F03 15-E5	4/1/2015	4/2/2015	NA	4/2/2015	1.5	NA	9		Sample
2014-3166	F03 15-E6	4/1/2015	4/2/2015	NA	4/2/2015	1.4	NA	9		Sample
2014-3167	F03 15-E7	4/1/2015	4/2/2015	NA	4/2/2015	1.2	NA	9		Sample

Chemical: Fluridone
Chemical Analytical Results
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Analytical Method: WHS-SM-FL1
3292 Meadowview Rd. Sacramento, CA 95832

Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2014-3172	F04 15-1	4/9/2015	4/9/2015	NA	4/9/2015	1.13	NA	10		Sample
2014-3173	F04 15-2	4/9/2015	4/9/2015	NA	4/9/2015	3.74	NA	10		Sample
2014-3174	F04 15-3	4/9/2015	4/9/2015	NA	4/9/2015	3.83	NA	10		Sample
2014-3175	F04 15-4	4/9/2015	4/9/2015	NA	4/9/2015	2.71	NA	10		Sample
2014-3176	F04 15-5	4/9/2015	4/9/2015	NA	4/9/2015	3.81	NA	10		Sample
2014-3177	F04 15-6	4/9/2015	4/9/2015	NA	4/9/2015	ND	NA	10		Sample
2014-3178	F04 15-7	4/9/2015	4/9/2015	NA	4/9/2015	1.21	NA	10		Sample
2014-3179	F04 15-8	4/9/2015	4/9/2015	NA	4/9/2015	ND	NA	10		Sample
2014-3180	F04 15-9	4/9/2015	4/9/2015	NA	4/9/2015	ND	NA	10		Sample
2014-3181	F04 15-10	4/9/2015	4/9/2015	NA	4/9/2015	1.30	NA	10		Sample
2014-3182	F04 15-11	4/9/2015	4/9/2015	NA	4/9/2015	3.68	NA	10		Sample
2014-3183	F04 15-12	4/9/2015	4/9/2015	NA	4/9/2015	ND	NA	10		Sample
2014-3184	F04 15-13	4/9/2015	4/9/2015	NA	4/9/2015	ND	NA	10		Sample
2014-3185	F04 15-14	4/9/2015	4/9/2015	NA	4/9/2015	ND	NA	10		Sample
2014-3186	F04 15-15	4/9/2015	4/9/2015	NA	4/9/2015	1.33	NA	10		Sample
2014-3187	F04 15-16	4/9/2015	4/9/2015	NA	4/9/2015	3.45	NA	10		Sample
2014-3188	F04 15-17	4/9/2015	4/9/2015	NA	4/9/2015	1.09	NA	10		Sample
2014-3189	F04 15-18	4/9/2015	4/9/2015	NA	4/9/2015	2.32	NA	10		Sample
2014-3190	F04 15-19	4/9/2015	4/9/2015	NA	4/9/2015	2.74	NA	10		Sample
2014-3191	F04 15-20	4/9/2015	4/9/2015	NA	4/9/2015	2.24	NA	10		Sample
2014-3192	F04 15-21	4/9/2015	4/9/2015	NA	4/9/2015	2.99	NA	11		Sample
2014-3193	F04 15-22	4/9/2015	4/9/2015	NA	4/9/2015	3.86	NA	11		Sample
2014-3194	F04 15-23	4/9/2015	4/9/2015	NA	4/9/2015	2.33	NA	11		Sample
2014-3195	F04 15-24	4/9/2015	4/9/2015	NA	4/9/2015	1.12	NA	11		Sample
2014-3196	F04 15-25	4/9/2015	4/9/2015	NA	4/9/2015	ND	NA	11		Sample
2014-3197	F04 15-26	4/9/2015	4/9/2015	NA	4/9/2015	ND	NA	11		Sample
2014-3198	F04 15-27	4/9/2015	4/9/2015	NA	4/9/2015	ND	NA	11		Sample
2014-3199	F04 15-28	4/9/2015	4/9/2015	NA	4/9/2015	ND	NA	11		Sample
2014-3200	F04 15-29	4/9/2015	4/9/2015	NA	4/9/2015	ND	NA	11		Sample
2014-3201	F04 15-30	4/9/2015	4/9/2015	NA	4/9/2015	ND	NA	11		Sample
2014-3202	F04 15-31	4/9/2015	4/9/2015	NA	4/9/2015	3.88	NA	11		Sample
2014-3203	F04 15-32	4/9/2015	4/9/2015	NA	4/9/2015	3.93	NA	11		Sample
2014-3204	F04 15-33	4/9/2015	4/9/2015	NA	4/9/2015	2.49	NA	11		Sample
2014-3205	F04 15-34	4/9/2015	4/9/2015	NA	4/9/2015	ND	NA	11		Sample
2014-3206	F04 15-35	4/9/2015	4/9/2015	NA	4/9/2015	3.70	NA	11		Sample
2014-3207	F04 15-36	4/9/2015	4/9/2015	NA	4/9/2015	3.79	NA	11		Sample
2014-3208	F04 15-37	4/9/2015	4/9/2015	NA	4/9/2015	3.79	NA	11		Sample
2014-3209	F04 15-38	4/9/2015	4/9/2015	NA	4/9/2015	1.51	NA	11		Sample
2014-3210	F04 15-39	4/9/2015	4/9/2015	NA	4/9/2015	1.68	NA	11		Sample
2014-3211	F04 15-40	4/9/2015	4/9/2015	NA	4/9/2015	1.47	NA	11		Sample
2014-3212	F04 15-41	4/9/2015	4/9/2015	NA	4/10/2015	3.56	NA	12		Sample
2014-3213	F04 15-42	4/9/2015	4/9/2015	NA	4/10/2015	ND	NA	12		Sample
2014-3214	F04 15-43	4/9/2015	4/9/2015	NA	4/10/2015	ND	NA	12		Sample
2014-3215	F04 15-44	4/9/2015	4/9/2015	NA	4/10/2015	ND	NA	12		Sample
2014-3216	F04 15-45	4/9/2015	4/9/2015	NA	4/10/2015	ND	NA	12		Sample
2014-3217	F04 15-46	4/9/2015	4/9/2015	NA	4/10/2015	3.36	NA	12		Sample
2014-3218	F04 15-47	4/9/2015	4/9/2015	NA	4/10/2015	7.02	NA	12		Sample
2014-3219	F04 15-48	4/9/2015	4/9/2015	NA	4/10/2015	2.63	NA	12		Sample
2014-3220	F04 15-49	4/9/2015	4/9/2015	NA	4/10/2015	1.10	NA	12		Sample
2014-3221	F04 15-50	4/9/2015	4/9/2015	NA	4/10/2015	2.31	NA	12		Sample
2014-3222	F04 15-51	4/9/2015	4/9/2015	NA	4/10/2015	1.81	NA	12		Sample
2014-3223	F04 15-52	4/9/2015	4/9/2015	NA	4/10/2015	1.98	NA	12		Sample
2014-3224	F04 15-53	4/9/2015	4/9/2015	NA	4/10/2015	2.33	NA	12		Sample
2014-3225	F04 15-54	4/9/2015	4/9/2015	NA	4/10/2015	3.10	NA	12		Sample
2014-3226	F04 15-55	4/9/2015	4/9/2015	NA	4/10/2015	4.27	NA	12		Sample
2014-3227	F04 15-56	4/9/2015	4/9/2015	NA	4/10/2015	1.67	NA	12		Sample
2014-3228	F04 15-57	4/9/2015	4/9/2015	NA	4/10/2015	3.00	NA	12		Sample
2014-3229	F04 15-58	4/9/2015	4/9/2015	NA	4/10/2015	2.48	NA	12		Sample
2014-3230	F04 15-E1	4/9/2015	4/9/2015	NA	4/10/2015	1.88	NA	13		Sample
2014-3231	F04 15-E2	4/9/2015	4/9/2015	NA	4/10/2015	1.24	NA	13		Sample
2014-3232	F04 15-E3	4/9/2015	4/9/2015	NA	4/10/2015	1.88	NA	13		Sample
2014-3233	F04 15-E4	4/9/2015	4/9/2015	NA	4/10/2015	1.86	NA	13		Sample
2014-3234	F04 15-E5	4/9/2015	4/9/2015	NA	4/10/2015	2.00	NA	13		Sample
2014-3235	F04 15-E6	4/9/2015	4/9/2015	NA	4/10/2015	1.94	NA	13		Sample
2014-3236	F04 15-E7	4/9/2015	4/9/2015	NA	4/10/2015	2.89	NA	13		Sample

								Chemical:	Fluridone	
Chemical Analytical Results								LOQ:	1.0 ppb	
Reported by:	California Department of Food and Agriculture							Lab:	CDFA-CAC	
	Center for Analytical Chemistry							Analytical Method:	WHS-SM-FL1	
	3292 Meadowview Rd. Sacramento, CA 95832									

Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2014-3374	F041315-4	4/13/2015	4/14/2015	NA	4/15/2015	5.05	NA	14		Sample
2014-3375	F041315-5	4/13/2015	4/14/2015	NA	4/15/2015	4.88	NA	14		Sample
2014-3376	F041315-1	4/13/2015	4/14/2015	NA	4/15/2015	2.76	NA	14		Sample
2014-3377	F041315-6	4/13/2015	4/14/2015	NA	4/15/2015	ND	NA	14		Sample
2014-3378	F041315-7	4/13/2015	4/14/2015	NA	4/15/2015	1.03	NA	14		Sample
2014-3379	F041315-10	4/13/2015	4/14/2015	NA	4/15/2015	ND	NA	14		Sample
2014-3380	F041315-11	4/13/2015	4/14/2015	NA	4/15/2015	ND	NA	14		Sample
2014-3381	F041315-16	4/13/2015	4/14/2015	NA	4/15/2015	2.17	NA	14		Sample
2014-3382	F041315-17	4/13/2015	4/14/2015	NA	4/15/2015	1.51	NA	14		Sample
2014-3383	F041315-18	4/13/2015	4/14/2015	NA	4/15/2015	4.50	NA	14		Sample
2014-3384	F041315-19	4/13/2015	4/14/2015	NA	4/15/2015	2.97	NA	14		Sample
2014-3385	F041315-20	4/13/2015	4/14/2015	NA	4/15/2015	2.53	NA	14		Sample
2014-3386	F041315-24	4/13/2015	4/14/2015	NA	4/15/2015	2.13	NA	14		Sample
2014-3387	F041315-26	4/13/2015	4/14/2015	NA	4/15/2015	1.17	NA	14		Sample
2014-3388	F041315-29	4/13/2015	4/14/2015	NA	4/15/2015	ND	NA	14		Sample
2014-3389	F041315-33	4/13/2015	4/14/2015	NA	4/15/2015	5.03	NA	14		Sample
2014-3390	F041315-38	4/13/2015	4/14/2015	NA	4/15/2015	7.55	NA	14		Sample
2014-3391	F041315-39	4/13/2015	4/14/2015	NA	4/15/2015	4.03	NA	15		Sample
2014-3392	F041315-41	4/13/2015	4/14/2015	NA	4/15/2015	3.23	NA	15		Sample
2014-3393	F041315-42	4/13/2015	4/14/2015	NA	4/15/2015	3.63	NA	15		Sample
2014-3394	F041315-43	4/13/2015	4/14/2015	NA	4/15/2015	2.31	NA	15		Sample
2014-3395	F041315-46	4/13/2015	4/14/2015	NA	4/15/2015	6.51	NA	15		Sample
2014-3396	F041315-48	4/13/2015	4/14/2015	NA	4/15/2015	2.69	NA	15		Sample
2014-3397	F041315-49	4/13/2015	4/14/2015	NA	4/15/2015	3.86	NA	15		Sample
2014-3398	F041315-51	4/13/2015	4/14/2015	NA	4/15/2015	4.11	NA	15		Sample
2014-3399	F041315-53	4/13/2015	4/14/2015	NA	4/15/2015	4.71	NA	15		Sample
2014-3400	F041315-55	4/13/2015	4/14/2015	NA	4/15/2015	5.63	NA	15		Sample
2014-3401	F041315-E1	4/13/2015	4/14/2015	NA	4/15/2015	4.09	NA	15		Sample
2014-3402	F041315-E2	4/13/2015	4/14/2015	NA	4/15/2015	4.00	NA	15		Sample
2014-3403	F041315-E3	4/13/2015	4/14/2015	NA	4/15/2015	4.23	NA	15		Sample
2014-3404	F041315-E4	4/13/2015	4/14/2015	NA	4/15/2015	3.11	NA	15		Sample
2014-3405	F041315-E5	4/13/2015	4/14/2015	NA	4/15/2015	3.63	NA	15		Sample
2014-3406	F041315-E6	4/13/2015	4/14/2015	NA	4/15/2015	2.32	NA	15		Sample
2014-3407	F041315-E7	4/13/2015	4/14/2015	NA	4/15/2015	2.15	NA	15		Sample

		Chemical:	Fluridone
Chemical Analytical Results		LOQ:	1.0 ppb
Reported by:	California Department of Food and Agriculture	Lab:	CDFA-CAC
	Center for Analytical Chemistry	Analytical Method:	WHS-SM-FL1
	3292 Meadowview Rd. Sacramento, CA 95832		

Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2014-3548	F042015-5	4/21/2015	4/22/2015	NA	4/22/2015	4.36	NA	18		Sample
2014-3549	F042015-6	4/21/2015	4/22/2015	NA	4/22/2015	ND	NA	18		Sample
2014-3550	F042015-7	4/21/2015	4/22/2015	NA	4/22/2015	ND	NA	18		Sample
2014-3551	F042015-8	4/21/2015	4/22/2015	NA	4/22/2015	ND	NA	18		Sample
2014-3552	F042015-9	4/21/2015	4/22/2015	NA	4/22/2015	ND	NA	18		Sample
2014-3553	F042015-10	4/21/2015	4/22/2015	NA	4/22/2015	ND	NA	18		Sample
2014-3554	F042015-11	4/21/2015	4/22/2015	NA	4/22/2015	1.58	NA	18		Sample
2014-3555	F042015-12	4/21/2015	4/22/2015	NA	4/22/2015	1.32	NA	18		Sample
2014-3556	F042015-13	4/21/2015	4/22/2015	NA	4/22/2015	ND	NA	18		Sample
2014-3557	F042015-14	4/21/2015	4/22/2015	NA	4/22/2015	ND	NA	18		Sample
2014-3558	F042015-15	4/21/2015	4/22/2015	NA	4/22/2015	1.56	NA	18		Sample
2014-3559	F042015-16	4/21/2015	4/22/2015	NA	4/22/2015	ND	NA	18		Sample
2014-3560	F042015-17	4/21/2015	4/22/2015	NA	4/22/2015	8.24	NA	18		Sample
2014-3561	F042015-18	4/21/2015	4/22/2015	NA	4/22/2015	2.32	NA	18		Sample
2014-3562	F042015-19	4/21/2015	4/22/2015	NA	4/22/2015	2.19	NA	18		Sample
2014-3563	F042015-20	4/21/2015	4/22/2015	NA	4/22/2015	2.17	NA	18		Sample
2014-3564	F042015-21	4/21/2015	4/22/2015	NA	4/22/2015	2.34	NA	19		Sample
2014-3565	F042015-22	4/21/2015	4/22/2015	NA	4/22/2015	2.50	NA	19		Sample
2014-3566	F042015-23	4/21/2015	4/22/2015	NA	4/22/2015	2.56	NA	19		Sample
2014-3567	F042015-24	4/21/2015	4/22/2015	NA	4/22/2015	1.56	NA	19		Sample
2014-3568	F042015-25	4/21/2015	4/22/2015	NA	4/22/2015	1.75	NA	19		Sample
2014-3569	F042015-26	4/21/2015	4/22/2015	NA	4/22/2015	2.78	NA	19		Sample
2014-3570	F042015-27	4/21/2015	4/22/2015	NA	4/22/2015	1.73	NA	19		Sample
2014-3571	F042015-28	4/21/2015	4/22/2015	NA	4/22/2015	ND	NA	19		Sample
2014-3572	F042015-29	4/21/2015	4/22/2015	NA	4/22/2015	ND	NA	19		Sample
2014-3573	F042015-30	4/21/2015	4/22/2015	NA	4/22/2015	ND	NA	19		Sample
2014-3574	F042015-31	4/21/2015	4/22/2015	NA	4/22/2015	3.79	NA	19		Sample
2014-3575	F042015-32	4/21/2015	4/22/2015	NA	4/22/2015	2.17	NA	19		Sample
2014-3576	F042015-33	4/21/2015	4/22/2015	NA	4/22/2015	1.69	NA	19		Sample
2014-3577	F042015-34	4/21/2015	4/22/2015	NA	4/22/2015	1.36	NA	19		Sample
2014-3578	F042015-35	4/21/2015	4/22/2015	NA	4/22/2015	2.79	NA	19		Sample
2014-3579	F042015-36	4/21/2015	4/22/2015	NA	4/22/2015	3.53	NA	19		Sample
2014-3580	F042015-37	4/21/2015	4/22/2015	NA	4/22/2015	4.19	NA	19		Sample
2014-3581	F042015-38	4/21/2015	4/22/2015	NA	4/22/2015	1.31	NA	19		Sample
2014-3582	F042015-39	4/21/2015	4/22/2015	NA	4/22/2015	1.04	NA	19		Sample
2014-3583	F042015-40	4/21/2015	4/22/2015	NA	4/22/2015	2.51	NA	19		Sample
2014-3584	F042015-41	4/21/2015	4/22/2015	NA	4/24/2015	1.63	NA	20		Sample
2014-3585	F042015-42	4/21/2015	4/22/2015	NA	4/24/2015	ND	NA	20		Sample
2014-3586	F042015-43	4/21/2015	4/22/2015	NA	4/24/2015	ND	NA	20		Sample
2014-3587	F042115-44	4/21/2015	4/22/2015	NA	4/24/2015	6.34	NA	20		Sample
2014-3588	F042115-48	4/21/2015	4/22/2015	NA	4/24/2015	1.63	NA	20		Sample
2014-3589	F042115-49	4/21/2015	4/22/2015	NA	4/24/2015	1.06	NA	20		Sample
2014-3590	F042115-50	4/21/2015	4/22/2015	NA	4/24/2015	2.53	NA	20		Sample
2014-3591	F042115-51	4/21/2015	4/22/2015	NA	4/24/2015	1.96	NA	20		Sample
2014-3592	F042115-52	4/21/2015	4/22/2015	NA	4/24/2015	2.31	NA	20		Sample
2014-3593	F042115-53	4/21/2015	4/22/2015	NA	4/24/2015	2.32	NA	20		Sample
2014-3594	F042115-54	4/21/2015	4/22/2015	NA	4/24/2015	2.91	NA	20		Sample
2014-3595	F042115-55	4/21/2015	4/22/2015	NA	4/24/2015	3.15	NA	20		Sample
2014-3596	F042115-56	4/21/2015	4/22/2015	NA	4/24/2015	2.53	NA	20		Sample
2014-3597	F042115-57	4/21/2015	4/22/2015	NA	4/24/2015	2.74	NA	20		Sample
2014-3598	F042115-58	4/21/2015	4/22/2015	NA	4/24/2015	2.70	NA	20		Sample

		Chemical:	Fluridone
Chemical Analytical Results		LOQ:	1.0 ppb
Reported by:	California Department of Food and Agriculture	Lab:	CDFA-CAC
	Center for Analytical Chemistry	Analytical Method:	WHS-SM-FL1
	3292 Meadowview Rd. Sacramento, CA 95832		

Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2014-3708	F042715-1	4/27/2015	4/29/2015	NA	4/29/2015	4.02	NA	21		Sample
2014-3709	F042715-5	4/27/2015	4/29/2015	NA	4/29/2015	4.06	NA	21		Sample
2014-3710	F042715-6	4/27/2015	4/29/2015	NA	4/29/2015	1.01	NA	21		Sample
2014-3711	F042715-7	4/27/2015	4/29/2015	NA	4/29/2015	1.77	NA	21		Sample
2014-3712	F042715-10	4/27/2015	4/29/2015	NA	4/29/2015	1.52	NA	21		Sample
2014-3713	F042715-11	4/27/2015	4/29/2015	NA	4/29/2015	1.35	NA	21		Sample
2014-3714	F042715-12	4/27/2015	4/29/2015	NA	4/29/2015	ND	NA	21		Sample
2014-3715	F042715-14	4/27/2015	4/29/2015	NA	4/29/2015	1.77	NA	21		Sample
2014-3716	F042715-16	4/27/2015	4/29/2015	NA	4/29/2015	ND	NA	21		Sample
2014-3717	F042715-17	4/27/2015	4/29/2015	NA	4/29/2015	2.31	NA	21		Sample
2014-3718	F042715-18	4/27/2015	4/29/2015	NA	4/29/2015	2.03	NA	21		Sample
2014-3719	F042715-20	4/27/2015	4/29/2015	NA	4/29/2015	2.75	NA	21		Sample
2014-3720	F042715-24	4/27/2015	4/29/2015	NA	4/29/2015	3.43	NA	21		Sample
2014-3721	F042715-26	4/27/2015	4/29/2015	NA	4/29/2015	ND	NA	21		Sample
2014-3722	F042715-29	4/27/2015	4/29/2015	NA	4/29/2015	ND	NA	21		Sample
2014-3723	F042715-31	4/27/2015	4/29/2015	NA	4/29/2015	1.85	NA	21		Sample
2014-3724	F042715-33	4/27/2015	4/29/2015	NA	4/29/2015	1.53	NA	21		Sample
2014-3725	F042715-36	4/27/2015	4/29/2015	NA	4/29/2015	2.74	NA	21		Sample
2014-3726	F042715-38	4/27/2015	4/29/2015	NA	4/29/2015	1.16	NA	21		Sample
2014-3727	F042715-39	4/27/2015	4/29/2015	NA	4/29/2015	1.99	NA	21		Sample
2014-3728	F042715-42	4/27/2015	4/29/2015	NA	4/29/2015	ND	NA	22		Sample
2014-3729	F042715-46	4/27/2015	4/29/2015	NA	4/29/2015	1.47	NA	22		Sample
2014-3730	F042815-48	4/27/2015	4/29/2015	NA	4/29/2015	2.01	NA	22		Sample
2014-3731	F042815-49	4/27/2015	4/29/2015	NA	4/29/2015	2.27	NA	22		Sample
2014-3732	F042815-50	4/27/2015	4/29/2015	NA	4/29/2015	2.85	NA	22		Sample
2014-3733	F042815-51	4/27/2015	4/29/2015	NA	4/29/2015	2.13	NA	22		Sample
2014-3734	F042815-52	4/27/2015	4/29/2015	NA	4/29/2015	2.71	NA	22		Sample
2014-3735	F042815-53	4/27/2015	4/29/2015	NA	4/29/2015	2.09	NA	22		Sample
2014-3736	F042815-54	4/27/2015	4/29/2015	NA	4/29/2015	3.92	NA	22		Sample
2014-3737	F042815-55	4/27/2015	4/29/2015	NA	4/29/2015	3.17	NA	22		Sample
2014-3738	F042815-56	4/27/2015	4/29/2015	NA	4/29/2015	2.72	NA	22		Sample
2014-3739	F042815-57	4/27/2015	4/29/2015	NA	4/29/2015	3.87	NA	22		Sample
2014-3740	F042815-58	4/27/2015	4/29/2015	NA	4/29/2015	3.89	NA	22		Sample
2014-3741	F042715-E1	4/27/2015	4/29/2015	NA	4/29/2015	2.02	NA	22		Sample
2014-3742	F042715-E2	4/27/2015	4/29/2015	NA	4/29/2015	1.88	NA	22		Sample
2014-3743	F042715-E3	4/27/2015	4/29/2015	NA	4/29/2015	2.30	NA	22		Sample
2014-3744	F042715-E4	4/27/2015	4/29/2015	NA	4/29/2015	2.99	NA	22		Sample
2014-3745	F042715-E5	4/27/2015	4/29/2015	NA	4/29/2015	2.21	NA	22		Sample
2014-3746	F042715-E6	4/27/2015	4/29/2015	NA	4/29/2015	2.14	NA	22		Sample
2014-3747	F042715-E7	4/27/2015	4/29/2015	NA	4/29/2015	1.50	NA	22		Sample

Chemical: Fluridone
Chemical Analytical Results
LOQ: 1.0 ppb
Reported by: California Department of Food and Agriculture
Lab: CDFA-CAC
Center for Analytical Chemistry
Analytical Method: WHS-SM-FL1
3292 Meadowview Rd. Sacramento, CA 95832

Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2014-3833	F050415-1	5/4/2015	5/6/2015	NA	5/6/2015	2.41	NA	23		Sample
2014-3834	F050415-5	5/4/2015	5/6/2015	NA	5/6/2015	3.98	NA	23		Sample
2014-3835	F050415-6	5/4/2015	5/6/2015	NA	5/6/2015	ND	NA	23		Sample
2014-3836	F050415-9	5/4/2015	5/6/2015	NA	5/6/2015	ND	NA	23		Sample
2014-3837	F050415-17	5/4/2015	5/6/2015	NA	5/6/2015	ND	NA	23		Sample
2014-3838	F050415-18	5/4/2015	5/6/2015	NA	5/6/2015	2.90	NA	23		Sample
2014-3839	F050415-20	5/4/2015	5/6/2015	NA	5/6/2015	3.03	NA	23		Sample
2014-3840	F050415-24	5/4/2015	5/6/2015	NA	5/6/2015	1.88	NA	23		Sample
2014-3841	F050415-26	5/4/2015	5/6/2015	NA	5/6/2015	ND	NA	23		Sample
2014-3842	F050415-29	5/4/2015	5/6/2015	NA	5/6/2015	ND	NA	23		Sample
2014-3843	F050415-38	5/4/2015	5/6/2015	NA	5/6/2015	1.03	NA	24		Sample
2014-3844	F050415-46	5/4/2015	5/6/2015	NA	5/6/2015	1.14	NA	24		Sample
2014-3845	F050415-48	5/4/2015	5/6/2015	NA	5/6/2015	2.28	NA	24		Sample
2014-3846	F050415-49	5/4/2015	5/6/2015	NA	5/6/2015	1.40	NA	24		Sample
2014-3847	F050415-51	5/4/2015	5/6/2015	NA	5/6/2015	2.44	NA	24		Sample
2014-3848	F050415-53	5/4/2015	5/6/2015	NA	5/6/2015	2.02	NA	24		Sample
2014-3849	F050415-55	5/4/2015	5/6/2015	NA	5/6/2015	4.04	NA	24		Sample
2014-3850	F050415-E1	5/4/2015	5/6/2015	NA	5/6/2015	1.69	NA	24		Sample
2014-3851	F050415-E3	5/4/2015	5/6/2015	NA	5/6/2015	1.39	NA	24		Sample
2014-3852	F050415-E4	5/4/2015	5/6/2015	NA	5/6/2015	1.77	NA	24		Sample
2014-3853	F050415-E5	5/4/2015	5/6/2015	NA	5/6/2015	2.00	NA	24		Sample
2014-3854	F050415-E6	5/4/2015	5/6/2015	NA	5/6/2015	1.45	NA	24		Sample
2014-3855	F050415-E7	5/4/2015	5/6/2015	NA	5/6/2015	1.84	NA	24		Sample

Chemical: Fluridone
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Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2014-3975	F051215-1	5/12/2015	5/13/2015	NA	5/14/2015	ND	NA	25		Sample
2014-3976	F051215-5	5/12/2015	5/13/2015	NA	5/14/2015	2.46	NA	25		Sample
2014-3977	F051215-6	5/12/2015	5/13/2015	NA	5/14/2015	ND	NA	25		Sample
2014-3978	F051215-7	5/12/2015	5/13/2015	NA	5/14/2015	1.24	NA	25		Sample
2014-3979	F051215-9	5/12/2015	5/13/2015	NA	5/14/2015	ND	NA	25		Sample
2014-3980	F051215-18	5/12/2015	5/13/2015	NA	5/14/2015	3.12	NA	25		Sample
2014-3981	F051215-20	5/12/2015	5/13/2015	NA	5/14/2015	2.10	NA	25		Sample
2014-3982	F051215-24	5/12/2015	5/13/2015	NA	5/14/2015	1.33	NA	25		Sample
2014-3983	F051215-26	5/12/2015	5/13/2015	NA	5/14/2015	ND	NA	25		Sample
2014-3984	F051215-29	5/12/2015	5/13/2015	NA	5/14/2015	ND	NA	25		Sample
2014-3985	F051215-38	5/12/2015	5/13/2015	NA	5/14/2015	3.48	NA	25		Sample
2014-3986	F051215-48	5/12/2015	5/13/2015	NA	5/14/2015	2.25	NA	25		Sample
2014-3987	F051215-49	5/12/2015	5/13/2015	NA	5/14/2015	2.30	NA	25		Sample
2014-3988	F051215-51	5/12/2015	5/13/2015	NA	5/14/2015	3.21	NA	25		Sample
2014-3989	F051215-53	5/12/2015	5/13/2015	NA	5/14/2015	2.88	NA	25		Sample
2014-3990	F051215-55	5/12/2015	5/13/2015	NA	5/14/2015	4.56	NA	26		Sample
2014-3991	F051115-E1	5/11/2015	5/13/2015	NA	5/14/2015	1.44	NA	26		Sample
2014-3992	F051115-E2	5/11/2015	5/13/2015	NA	5/14/2015	2.41	NA	26		Sample
2014-3993	F051115-E3	5/11/2015	5/13/2015	NA	5/14/2015	1.67	NA	26		Sample
2014-3994	F051115-E4	5/11/2015	5/13/2015	NA	5/14/2015	3.10	NA	26		Sample
2014-3995	F051115-E5	5/11/2015	5/13/2015	NA	5/14/2015	2.32	NA	26		Sample
2014-3996	F051115-E6	5/11/2015	5/13/2015	NA	5/14/2015	2.79	NA	26		Sample
2014-3997	F051115-E7	5/11/2015	5/13/2015	NA	5/14/2015	ND	NA	26		Sample

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3292 Meadowview Rd. Sacramento, CA 95832

Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2014-3975	F051215-1	5/12/2015	5/13/2015	NA	5/14/2015	ND	NA	25		Sample
2014-3976	F051215-5	5/12/2015	5/13/2015	NA	5/14/2015	2.46	NA	25		Sample
2014-3977	F051215-6	5/12/2015	5/13/2015	NA	5/14/2015	ND	NA	25		Sample
2014-3978	F051215-7	5/12/2015	5/13/2015	NA	5/14/2015	1.24	NA	25		Sample
2014-3979	F051215-9	5/12/2015	5/13/2015	NA	5/14/2015	ND	NA	25		Sample
2014-3980	F051215-18	5/12/2015	5/13/2015	NA	5/14/2015	3.12	NA	25		Sample
2014-3981	F051215-20	5/12/2015	5/13/2015	NA	5/14/2015	2.10	NA	25		Sample
2014-3982	F051215-24	5/12/2015	5/13/2015	NA	5/14/2015	1.33	NA	25		Sample
2014-3983	F051215-26	5/12/2015	5/13/2015	NA	5/14/2015	ND	NA	25		Sample
2014-3984	F051215-29	5/12/2015	5/13/2015	NA	5/14/2015	ND	NA	25		Sample
2014-3985	F051215-38	5/12/2015	5/13/2015	NA	5/14/2015	3.48	NA	25		Sample
2014-3986	F051215-48	5/12/2015	5/13/2015	NA	5/14/2015	2.25	NA	25		Sample
2014-3987	F051215-49	5/12/2015	5/13/2015	NA	5/14/2015	2.30	NA	25		Sample
2014-3988	F051215-51	5/12/2015	5/13/2015	NA	5/14/2015	3.21	NA	25		Sample
2014-3989	F051215-53	5/12/2015	5/13/2015	NA	5/14/2015	2.88	NA	25		Sample
2014-3990	F051215-55	5/12/2015	5/13/2015	NA	5/14/2015	4.56	NA	26		Sample
2014-3991	F051115-E1	5/11/2015	5/13/2015	NA	5/14/2015	1.44	NA	26		Sample
2014-3992	F051115-E2	5/11/2015	5/13/2015	NA	5/14/2015	2.41	NA	26		Sample
2014-3993	F051115-E3	5/11/2015	5/13/2015	NA	5/14/2015	1.67	NA	26		Sample
2014-3994	F051115-E4	5/11/2015	5/13/2015	NA	5/14/2015	3.10	NA	26		Sample
2014-3995	F051115-E5	5/11/2015	5/13/2015	NA	5/14/2015	2.32	NA	26		Sample
2014-3996	F051115-E6	5/11/2015	5/13/2015	NA	5/14/2015	2.79	NA	26		Sample
2014-3997	F051115-E7	5/11/2015	5/13/2015	NA	5/14/2015	ND	NA	26		Sample

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Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2014-4423	F060115-E1	6/1/2015	6/3/2015	NA	6/3/2015	1.37	NA	29		Sample
2014-4424	F060115-E2	6/1/2015	6/3/2015	NA	6/3/2015	1.61	NA	29		Sample
2014-4425	F060115-E3	6/1/2015	6/3/2015	NA	6/3/2015	1.98	NA	29		Sample
2014-4426	F060115-E4	6/1/2015	6/3/2015	NA	6/3/2015	1.38	NA	29		Sample
2014-4427	F060115-E5	6/1/2015	6/3/2015	NA	6/3/2015	1.26	NA	29		Sample
2014-4428	F060115-E6	6/1/2015	6/3/2015	NA	6/3/2015	1.20	NA	29		Sample
2014-4429	F060115-E7	6/1/2015	6/3/2015	NA	6/3/2015	1.40	NA	29		Sample
2014-4432	E209-060215-18	6/2/2015	6/3/2015	NA	6/3/2015	ND	NA	30		Sample
2014-4433	E209-060215-19	6/2/2015	6/3/2015	NA	6/3/2015	ND	NA	30		Sample
2014-4434	E209-060215-20	6/2/2015	6/3/2015	NA	6/3/2015	ND	NA	30		Sample
2014-4435	E209-060215-21	6/2/2015	6/3/2015	NA	6/3/2015	ND	NA	30		Sample
2014-4436	E209-060215-22	6/2/2015	6/3/2015	NA	6/3/2015	1.81	NA	30		Sample
2014-4437	E97-060215-23	6/2/2015	6/3/2015	NA	6/3/2015	ND	NA	30		Sample
2014-4438	E97-060215-24	6/2/2015	6/3/2015	NA	6/3/2015	ND	NA	30		Sample
2014-4439	E97-060215-25	6/2/2015	6/3/2015	NA	6/3/2015	ND	NA	30		Sample
2014-4440	E97-060215-26	6/2/2015	6/3/2015	NA	6/3/2015	ND	NA	30		Sample
2014-4441	E015-060215-28	6/2/2015	6/3/2015	NA	6/3/2015	ND	NA	30		Sample
2014-4442	E015-060215-29	6/2/2015	6/3/2015	NA	6/3/2015	ND	NA	30		Sample
2014-4443	E015-060215-30	6/2/2015	6/3/2015	NA	6/3/2015	ND	NA	30		Sample
2014-4444	E015-060215-31	6/2/2015	6/3/2015	NA	6/3/2015	1.34	NA	30		Sample
2014-4445	E026-060215-32	6/2/2015	6/3/2015	NA	6/3/2015	1.78	NA	30		Sample
2014-4446	E026-060215-33	6/2/2015	6/3/2015	NA	6/3/2015	1.52	NA	30		Sample
2014-4447	E026-060215-34	6/2/2015	6/3/2015	NA	6/3/2015	ND	NA	30		Sample
2014-4448	E026-060215-35	6/2/2015	6/3/2015	NA	6/3/2015	ND	NA	30		Sample
2014-4449	E015-060215-27	6/2/2015	6/3/2015	NA	6/3/2015	ND	NA	30		Sample

Chemical: Fluridone
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Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2014-4949	E26-062215-59	6/22/2015	6/22/2015	NA	6/23/2015	2.58	NA	33		Sample
2014-4950	E26-062215-60	6/22/2015	6/22/2015	NA	6/23/2015	ND	NA	33		Sample
2014-4951	E26-062215-61	6/22/2015	6/22/2015	NA	6/23/2015	ND	NA	33		Sample
2014-4952	E26-062215-62	6/22/2015	6/22/2015	NA	6/23/2015	ND	NA	33		Sample
2014-4953	E26-062215-63	6/22/2015	6/22/2015	NA	6/23/2015	ND	NA	33		Sample
2014-4954	E26-062215-64	6/22/2015	6/22/2015	NA	6/23/2015	1.28	NA	33		Sample
2014-4955	E26-062215-65	6/22/2015	6/22/2015	NA	6/23/2015	ND	NA	33		Sample
2014-4956	E26-062215-66	6/22/2015	6/22/2015	NA	6/23/2015	ND	NA	33		Sample
2014-4957	E26-062215-67	6/22/2015	6/22/2015	NA	6/23/2015	ND	NA	33		Sample
2014-4958	F062215-E1	6/22/2015	6/22/2015	NA	6/23/2015	1.85	NA	33		Sample
2014-4959	F062215-E2	6/22/2015	6/22/2015	NA	6/23/2015	1.68	NA	33		Sample
2014-4960	F062215-E3	6/22/2015	6/22/2015	NA	6/23/2015	1.74	NA	33		Sample
2014-4961	F062215-E4	6/22/2015	6/22/2015	NA	6/23/2015	1.85	NA	33		Sample
2014-4962	F062215-E5	6/22/2015	6/22/2015	NA	6/23/2015	2.51	NA	33		Sample
2014-4963	F062215-E6	6/22/2015	6/22/2015	NA	6/23/2015	2.94	NA	33		Sample
2014-4964	F062215-E7	6/22/2015	6/22/2015	NA	6/23/2015	1.87	NA	33		Sample

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Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2014-5003	E26-062915-68	6/29/2015	6/29/2015	NA	6/30/2015	2.61	NA	34		Sample
2014-5004	E26-062915-69	6/29/2015	6/29/2015	NA	6/30/2015	2.12	NA	34		Sample
2014-5005	E26-062915-70	6/29/2015	6/29/2015	NA	6/30/2015	2.09	NA	34		Sample
2014-5006	E26-062915-71	6/29/2015	6/29/2015	NA	6/30/2015	ND	NA	34		Sample
2014-5007	E26-062915-72	6/29/2015	6/29/2015	NA	6/30/2015	ND	NA	34		Sample
2014-5008	E26-062915-73	6/29/2015	6/29/2015	NA	6/30/2015	ND	NA	34		Sample
2014-5009	E26-062915-74	6/29/2015	6/29/2015	NA	6/30/2015	ND	NA	34		Sample
2014-5010	E26-062915-75	6/29/2015	6/29/2015	NA	6/30/2015	ND	NA	34		Sample
2014-5011	E26-062915-76	6/29/2015	6/29/2015	NA	6/30/2015	ND	NA	34		Sample
2014-5012	F062915-48	6/29/2015	6/29/2015	NA	6/30/2015	1.85	NA	34		Sample
2014-5013	F062915-49	6/29/2015	6/29/2015	NA	6/30/2015	2.26	NA	34		Sample
2014-5014	F062915-52	6/29/2015	6/29/2015	NA	6/30/2015	3.27	NA	34		Sample
2014-5015	F062915-53	6/29/2015	6/29/2015	NA	6/30/2015	4.05	NA	34		Sample
2014-5016	F062915-55	6/29/2015	6/29/2015	NA	6/30/2015	3.75	NA	34		Sample

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Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2015-0076	F070715-E1	7/7/2015	7/7/2015	NA	7/8/2015	1.53	NA	36		Sample
2015-0077	F070715-E2	7/7/2015	7/7/2015	NA	7/8/2015	1.11	NA	36		Sample
2015-0078	F070715-E3	7/7/2015	7/7/2015	NA	7/8/2015	1.20	NA	36		Sample
2015-0079	F070715-E4	7/7/2015	7/7/2015	NA	7/8/2015	ND	NA	36		Sample
2015-0080	F070715-E5	7/7/2015	7/7/2015	NA	7/8/2015	1.41	NA	36		Sample
2015-0081	F070715-E6	7/7/2015	7/7/2015	NA	7/8/2015	1.64	NA	36		Sample
2015-0082	F070715-E7	7/7/2015	7/7/2015	NA	7/8/2015	2.39	NA	36		Sample

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Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2015-0132	F071315-48	7/13/2015	7/13/2015	NA	7/15/2015	2.18	NA	37		Sample
2015-0133	F071315-49	7/13/2015	7/13/2015	NA	7/15/2015	1.96	NA	37		Sample
2015-0134	F071315-52	7/13/2015	7/13/2015	NA	7/15/2015	2.68	NA	37		Sample
2015-0135	F071315-53	7/13/2015	7/13/2015	NA	7/15/2015	2.69	NA	37		Sample
2015-0136	F071315-55	7/13/2015	7/13/2015	NA	7/15/2015	3.71	NA	37		Sample
2015-0137	E26-071315-77	7/13/2015	7/13/2015	NA	7/15/2015	2.83	NA	37		Sample
2015-0138	E26-071315-78	7/13/2015	7/13/2015	NA	7/15/2015	2.94	NA	37		Sample
2015-0139	E26-071315-79	7/13/2015	7/13/2015	NA	7/15/2015	1.70	NA	37		Sample
2015-0140	E26-071315-80	7/13/2015	7/13/2015	NA	7/15/2015	ND	NA	37		Sample
2015-0141	E26-071315-81	7/13/2015	7/13/2015	NA	7/15/2015	2.00	NA	37		Sample
2015-0144	F071415-E1	7/14/2015	7/14/2015	NA	7/15/2015	1.59	NA	37		Sample
2015-0145	F071415-E2	7/14/2015	7/14/2015	NA	7/15/2015	1.78	NA	37		Sample
2015-0146	F071415-E3	7/14/2015	7/14/2015	NA	7/15/2015	1.91	NA	37		Sample
2015-0147	F071415-E4	7/14/2015	7/14/2015	NA	7/15/2015	1.59	NA	37		Sample
2015-0148	F071415-E5	7/14/2015	7/14/2015	NA	7/15/2015	2.07	NA	37		Sample
2015-0149	F071415-E6	7/14/2015	7/14/2015	NA	7/15/2015	1.93	NA	37		Sample
2015-0150	F071415-E7	7/14/2015	7/14/2015	NA	7/15/2015	2.78	NA	37		Sample

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2015-0278	F072215-E1	7/22/2015	7/22/2015	NA	7/23/2015	2.23	NA	38		Sample
2015-0279	F072215-E2	7/22/2015	7/22/2015	NA	7/23/2015	2.16	NA	38		Sample
2015-0280	F072215-E3	7/22/2015	7/22/2015	NA	7/23/2015	1.82	NA	38		Sample
2015-0281	F072215-E4	7/22/2015	7/22/2015	NA	7/23/2015	2.67	NA	38		Sample
2015-0282	F072215-E5	7/22/2015	7/22/2015	NA	7/23/2015	3.36	NA	38		Sample
2015-0283	F072215-E6	7/22/2015	7/22/2015	NA	7/23/2015	2.67	NA	38		Sample
2015-0284	F072215-E7	7/22/2015	7/22/2015	NA	7/23/2015	2.24	NA	38		Sample

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2015-0299	F072715-E1	7/27/2015	7/28/2015	NA	7/28/2015	ND	NA	39		Sample
2015-0300	F072715-E2	7/27/2015	7/28/2015	NA	7/28/2015	ND	NA	39		Sample
2015-0301	F072715-E3	7/27/2015	7/28/2015	NA	7/28/2015	1.20	NA	39		Sample
2015-0302	F072715-E4	7/27/2015	7/28/2015	NA	7/28/2015	1.51	NA	39		Sample
2015-0303	F072715-E5	7/27/2015	7/28/2015	NA	7/28/2015	1.40	NA	39		Sample
2015-0304	F072715-E6	7/27/2015	7/28/2015	NA	7/28/2015	1.17	NA	39		Sample
2015-0305	F072715-E7	7/27/2015	7/28/2015	NA	7/28/2015	1.80	NA	39		Sample
2015-0306	E26-072715-82	7/27/2015	7/28/2015	NA	7/28/2015	1.58	NA	39		Sample
2015-0307	E26-072715-83	7/27/2015	7/28/2015	NA	7/28/2015	1.75	NA	39		Sample
2015-0308	E26-072715-84	7/27/2015	7/28/2015	NA	7/28/2015	1.37	NA	39		Sample
2015-0309	E26-072715-85	7/27/2015	7/28/2015	NA	7/28/2015	ND	NA	39		Sample
2015-0310	E26-072715-86	7/27/2015	7/28/2015	NA	7/28/2015	ND	NA	39		Sample
2015-0311	F072715-48	7/27/2015	7/28/2015	NA	7/28/2015	1.75	NA	39		Sample
2015-0312	F072715-49	7/27/2015	7/28/2015	NA	7/28/2015	1.79	NA	39		Sample
2015-0313	F072715-52	7/27/2015	7/28/2015	NA	7/28/2015	3.30	NA	39		Sample
2015-0314	F072715-53	7/27/2015	7/28/2015	NA	7/28/2015	4.61	NA	39		Sample
2015-0315	F072715-55	7/27/2015	7/28/2015	NA	7/28/2015	4.30	NA	39		Sample

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Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2015-0423	F080315-E1	8/3/2015	8/3/2015	NA	8/5/2015	2.38	NA	40		Sample
2015-0424	F080315-E2	8/3/2015	8/3/2015	NA	8/5/2015	2.29	NA	40		Sample
2015-0425	F080315-E3	8/3/2015	8/3/2015	NA	8/5/2015	2.53	NA	40		Sample
2015-0426	F080315-E4	8/3/2015	8/3/2015	NA	8/5/2015	2.59	NA	40		Sample
2015-0427	F080315-E5	8/3/2015	8/3/2015	NA	8/5/2015	3.04	NA	40		Sample
2015-0428	F080315-E6	8/3/2015	8/3/2015	NA	8/5/2015	3.00	NA	40		Sample
2015-0429	F080315-E7	8/3/2015	8/3/2015	NA	8/5/2015	2.94	NA	40		Sample

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2015-0503	F-081015-E1	8/10/2015	8/10/2015	NA	8/12/2015	2.60	NA	41		Sample
2015-0504	F-081015-E2	8/10/2015	8/10/2015	NA	8/12/2015	3.23	NA	41		Sample
2015-0505	F-081015-E3	8/10/2015	8/10/2015	NA	8/12/2015	2.63	NA	41		Sample
2015-0506	F-081015-E4	8/10/2015	8/10/2015	NA	8/12/2015	2.29	NA	41		Sample
2015-0507	F-081015-E5	8/10/2015	8/10/2015	NA	8/12/2015	3.40	NA	41		Sample
2015-0508	F-081015-E6	8/10/2015	8/10/2015	NA	8/12/2015	2.30	NA	41		Sample
2015-0509	F-081015-E7	8/10/2015	8/10/2015	NA	8/12/2015	3.20	NA	41		Sample
2015-0514	E26-081115-87	8/11/2015	8/11/2015	NA	8/12/2015	2.30	NA	41		Sample
2015-0515	E26-081115-88	8/11/2015	8/11/2015	NA	8/12/2015	2.10	NA	41		Sample
2015-0516	E26-081115-89	8/11/2015	8/11/2015	NA	8/12/2015	1.62	NA	41		Sample
2015-0517	E26-081115-90	8/11/2015	8/11/2015	NA	8/12/2015	ND	NA	41		Sample
2015-0518	E26-081115-91	8/11/2015	8/11/2015	NA	8/12/2015	ND	NA	41		Sample
2015-0519	F081115-48	8/11/2015	8/11/2015	NA	8/12/2015	3.64	NA	41		Sample
2015-0520	F081115-49	8/11/2015	8/11/2015	NA	8/12/2015	4.20	NA	41		Sample
2015-0521	F081115-52	8/11/2015	8/11/2015	NA	8/12/2015	5.60	NA	41		Sample
2015-0522	F081115-53	8/11/2015	8/11/2015	NA	8/12/2015	4.15	NA	41		Sample
2015-0523	F081115-55	8/11/2015	8/11/2015	NA	8/12/2015	6.90	NA	41		Sample

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2015-0809	F082415-E1	8/24/2015	8/24/2015	NA	8/25/2015	1.99	NA	43		Sample
2015-0810	F082415-E2	8/24/2015	8/24/2015	NA	8/25/2015	1.68	NA	43		Sample
2015-0811	F082415-E3	8/24/2015	8/24/2015	NA	8/25/2015	1.50	NA	43		Sample
2015-0812	F082415-E4	8/24/2015	8/24/2015	NA	8/25/2015	1.87	NA	43		Sample
2015-0813	F082415-E5	8/24/2015	8/24/2015	NA	8/25/2015	1.71	NA	43		Sample
2015-0814	F082415-E6	8/24/2015	8/24/2015	NA	8/25/2015	1.87	NA	43		Sample
2015-0815	F082415-E7	8/24/2015	8/24/2015	NA	8/25/2015	1.80	NA	43		Sample
2015-0816	F082415-48	8/24/2015	8/24/2015	NA	8/25/2015	4.77	NA	43		Sample
2015-0817	F082415-49	8/24/2015	8/24/2015	NA	8/25/2015	7.09	NA	43		Sample
2015-0818	F082415-52	8/24/2015	8/24/2015	NA	8/25/2015	4.38	NA	43		Sample
2015-0819	F082415-53	8/24/2015	8/24/2015	NA	8/25/2015	6.92	NA	43		Sample
2015-0820	F082415-55	8/24/2015	8/24/2015	NA	8/25/2015	7.27	NA	43		Sample

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2015-0729	F-081715-E1	8/17/2015	8/17/2015	NA	8/18/2015	1.92	NA	42		Sample
2015-0730	F-081715-E2	8/17/2015	8/17/2015	NA	8/18/2015	1.95	NA	42		Sample
2015-0731	F-081715-E3	8/17/2015	8/17/2015	NA	8/18/2015	1.90	NA	42		Sample
2015-0732	F-081715-E4	8/17/2015	8/17/2015	NA	8/18/2015	2.14	NA	42		Sample
2015-0733	F-081715-E5	8/17/2015	8/17/2015	NA	8/18/2015	1.69	NA	42		Sample
2015-0734	F-081715-E6	8/17/2015	8/17/2015	NA	8/18/2015	1.41	NA	42		Sample
2015-0735	F-081715-E7	8/17/2015	8/17/2015	NA	8/18/2015	1.80	NA	42		Sample

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2015-0922	F083115-E1	8/31/2015	9/1/2015	NA	9/2/2015	1.62	NA	44		Sample
2015-0923	F083115-E2	8/31/2015	9/1/2015	NA	9/2/2015	1.71	NA	44		Sample
2015-0924	F083115-E3	8/31/2015	9/1/2015	NA	9/2/2015	1.77	NA	44		Sample
2015-0925	F083115-E4	8/31/2015	9/1/2015	NA	9/2/2015	1.48	NA	44		Sample
2015-0926	F083115-E5	8/31/2015	9/1/2015	NA	9/2/2015	1.59	NA	44		Sample
2015-0927	F083115-E6	8/31/2015	9/1/2015	NA	9/2/2015	2.15	NA	44		Sample
2015-0928	F083115-E7	8/31/2015	9/1/2015	NA	9/2/2015	2.68	NA	44		Sample
2015-0929	F090115-48	9/1/2015	9/1/2015	NA	9/2/2015	1.41	NA	44		Sample
2015-0930	F090115-49	9/1/2015	9/1/2015	NA	9/2/2015	1.88	NA	44		Sample
2015-0931	F090115-52	9/1/2015	9/1/2015	NA	9/2/2015	3.97	NA	44		Sample
2015-0932	F090115-53	9/1/2015	9/1/2015	NA	9/2/2015	3.53	NA	44		Sample
2015-0933	F090115-55	9/1/2015	9/1/2015	NA	9/2/2015	3.76	NA	44		Sample

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2015-0958	F090815-E1	9/8/2015	9/8/2015	NA	9/9/2015	ND	NA	45		Sample
2015-0959	F090815-E2	9/8/2015	9/8/2015	NA	9/9/2015	ND	NA	45		Sample
2015-0960	F090815-E3	9/8/2015	9/8/2015	NA	9/9/2015	ND	NA	45		Sample
2015-0961	F090815-E4	9/8/2015	9/8/2015	NA	9/9/2015	1.31	NA	45		Sample
2015-0962	F090815-E5	9/8/2015	9/8/2015	NA	9/9/2015	1.03	NA	45		Sample
2015-0963	F090815-E6	9/8/2015	9/8/2015	NA	9/9/2015	ND	NA	45		Sample
2015-0964	F090815-E7	9/8/2015	9/8/2015	NA	9/9/2015	ND	NA	45		Sample

Chemical: Fluridone
Chemical Analytical Results
LOQ: 1.0 ppb
Reported by: California Department of Food and Agriculture
Lab: CDFA-CAC
Center for Analytical Chemistry
Analytical Method: WHS-SM-FL1
3292 Meadowview Rd. Sacramento, CA 95832

Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2015-1028	F091415-E1	9/14/2015	9/14/2015	NA	9/15/2015	ND	NA	46		Sample
2015-1029	F091415-E2	9/14/2015	9/14/2015	NA	9/15/2015	ND	NA	46		Sample
2015-1030	F091415-E3	9/14/2015	9/14/2015	NA	9/15/2015	1.23	NA	46		Sample
2015-1031	F091415-E4	9/14/2015	9/14/2015	NA	9/15/2015	1.22	NA	46		Sample
2015-1032	F091415-E5	9/14/2015	9/14/2015	NA	9/15/2015	1.08	NA	46		Sample
2015-1033	F091415-E6	9/14/2015	9/14/2015	NA	9/15/2015	ND	NA	46		Sample
2015-1034	F091415-E7	9/14/2015	9/14/2015	NA	9/15/2015	1.15	NA	46		Sample
2015-1035	F091415-48	9/14/2015	9/14/2015	NA	9/15/2015	1.52	NA	46		Sample
2015-1036	F091415-49	9/14/2015	9/14/2015	NA	9/15/2015	1.96	NA	46		Sample
2015-1037	F091415-52	9/14/2015	9/14/2015	NA	9/15/2015	2.44	NA	46		Sample
2015-1038	F091415-53	9/14/2015	9/14/2015	NA	9/15/2015	2.24	NA	46		Sample
2015-1039	F091415-55	9/14/2015	9/14/2015	NA	9/15/2015	2.84	NA	46		Sample
2015-1040	E26-091415-92	9/14/2015	9/14/2015	NA	9/15/2015	1.08	NA	46		Sample
2015-1041	E26-091415-93	9/14/2015	9/14/2015	NA	9/15/2015	ND	NA	46		Sample
2015-1042	E26-091415-94	9/14/2015	9/14/2015	NA	9/15/2015	ND	NA	46		Sample
2015-1043	E26-091415-95	9/14/2015	9/14/2015	NA	9/15/2015	ND	NA	46		Sample
2015-1044	E26-091415-96	9/14/2015	9/14/2015	NA	9/15/2015	ND	NA	46		Sample

								Chemical:	Fluridone	
Chemical Analytical Results								LOQ:	1.0 ppb	
Reported by:	California Department of Food and Agriculture							Lab:	CDFA-CAC	
	Center for Analytical Chemistry							Analytical Method:	WHS-SM-FL1	
	3292 Meadowview Rd. Sacramento, CA 95832									

Lab Sample ID	DBW ID	Date sample taken	Date sample received	Date sample extracted	Date sample analyzed	Conc. (ppb)	Surrogate recovery(%)	QC Batch	Comments	Sample Type
2015-1160	F092115-E1	9/21/2015	9/22/2015	NA	9/23/2015	1.52	NA	47		Sample
2015-1161	F092115-E2	9/21/2015	9/22/2015	NA	9/23/2015	1.53	NA	47		Sample
2015-1162	F092115-E3	9/21/2015	9/22/2015	NA	9/23/2015	1.20	NA	47		Sample
2015-1163	F092115-E4	9/21/2015	9/22/2015	NA	9/23/2015	1.20	NA	47		Sample
2015-1164	F092115-E5	9/21/2015	9/22/2015	NA	9/23/2015	1.15	NA	47		Sample
2015-1165	F092115-E6	9/21/2015	9/22/2015	NA	9/23/2015	1.34	NA	47		Sample
2015-1166	F092115-E7	9/21/2015	9/22/2015	NA	9/23/2015	1.57	NA	47		Sample

4 NPDES Monitoring Test Results

Sample location	Sample number	UTM coordinates(N/E)	Date	Time	Temp (°C)	Conductivity (mS/cm)	Salinity(ppt)	DO (mg/L)	Depth (ft)	pH	Turbidity	Residue Levels (ppb)
A	E097-030915-014	624600/4203714	9-Mar	11:00	15.52	0.37	0.18	9.77	3	8.57	9.1	ND
B	E097-030915-015	624619/4204098	9-Mar	10:50	15.75	0.37	0.18	8.88	3	8.62	7.7	ND
C	E097-030915-016	624600/4203716	9-Mar	10:45	15.57	0.365	0.18	8.56	3	8.7	8	ND
A	E097-060215-23	624600/4203714	2-Jun	10:25	21.22	0.882	0.46	7.15	3	7.93	3.8	ND
B	E097-060215-24	624619/4204098	2-Jun	10:20	21.16	0.867	0.45	7.2	3	7.96	3.4	ND
C	E097-060215-25	624600/4203716	2-Jun	10:15	21.03	0.861	0.45	7.14	3	7.98	1.4	ND
A	E209-030915-006	624490/4220938	9-Mar	10:20	14.66	0.207	0.1	9.07	3	8.6	5.8	ND
B	E209-030915-007	624415/4220715	9-Mar	10:00	14.81	0.203	0.09	9	3	8.46	4.5	ND
C	E209-030915-008	624513/4220531	9-Mar	9:45	14.75	0.218	0.1	8.83	3	8.14	1.5	ND
A	E209-060215-006	624490/4220938	2-Jun	11:10	21.32	0.157	0.07	7.86	3	7.86	4.7	ND
B	E209-030915-007	624415/4220715	2-Jun	11:05	22.01	0.158	0.07	7.79	3	7.97	5	ND
C	E209-030915-008	624513/4220531	2-Jun	11:00	21.6	0.158	0.07	7.82	3	8.15	4.1	ND
A	E209-030915-036	624490/4220938	9-Jun	11:40	24.1	0.182	0.09	7.38	3	7.95	3.7	ND
B	E209-030915-037	624415/4220715	9-Jun	11:35	23.94	0.221	0.1	7.24	3	7.99	4.3	ND
C	E209-030915-038	624513/4220531	9-Jun	11:30	23.96	0.234	0.11	7.47	3	8.12	4	ND
A	E015-030915-010	632035/4211201	9-Mar	9:05	15.11	0.306	0.15	9.08	3	8.21	5.7	ND
B	E015-030915-011	632306/4210922	9-Mar	8:55	14.98	0.303	0.15	8.59	3	8.17	6.5	ND
C	E015-030915-012	632035/4211201	9-Mar	8:50	14.92	0.296	0.14	8.62	3	8.13	6.2	ND
A	E015-060215-027	632035/4211201	2-Jun	9:40	21.51	0.538	0.27	7.76	3	8.06	0.3	ND
B	E015-060215-028	632306/4210922	2-Jun	9:35	20.97	0.537	0.27	7.94	3	8.1	3.1	ND
C	E015-060215-029	632035/4211201	2-Jun	9:30	20.87	0.539	0.27	7.91	3	8.1	2.6	ND
A	E015-060915-040	632035/4211201	9-Jun	9:10	23.7	0.573	0.29	7.79	3	8.04	3.9	1.39
B	E015-060915-041	632306/4210922	9-Jun	9:05	23.27	0.577	0.29	7.39	3	8.09	3.3	ND
C	E015-060915-042	632035/4211201	9-Jun	9:00	23.16	0.574	0.29	7.63	3	8.12	3.7	ND
A	E015-061515-050	632035/4211201	15-Jun	10:35	23.78	0.579	0.3	7.21	3	8.25	9.1	ND
B	E015-061515-051	632306/4210922	15-Jun	10:25	23.71	0.581	0.3	7.64	3	8.2	6.2	ND
C	E015-061515-052	632035/4211201	15-Jun	10:20	23.79	0.584	0.3	7.48	3	8.33	5.4	ND
A	E015-062215-064	632035/4211201	22-Jun	11:03	24.43	0.596	0.31	6.94	3	7.64	3.9	ND
B	E015-062215-065	632306/4210922	22-Jun	10:55	24.25	0.59	0.3	7.7	3	7.67	14.8	ND
C	E015-062215-066	632035/4211201	22-Jun	10:50	24.05	0.589	0.3	7.14	3	7.52	6.4	ND
A	E015-062915-073	632035/4211201	29-Jun	10:58	24.43	0.573	0.29	8.03	3	7.82	3	ND
B	E015-062915-074	632306/4210922	29-Jun	10:50	23.97	0.574	0.29	7.77	3	7.83	7.8	ND
C	E015-062915-075	632035/4211201	29-Jun	10:44	24.42	0.576	0.29	7.78	3	7.76	6.3	ND
A	E026-030915-001	643138/4207004	9-Mar	8:15	16.19	0.694	0.36	9	3	7.92	1	ND
B	E026-030915-002	643071/4207507	9-Mar	8:05	16.24	0.686	0.35	8.49	3	7.77	8.5	ND
C	E026-030915-003	643068/4208306	9-Mar	8:00	16.16	0.68	0.35	8.5	3	8.14	10.9	ND
A	E026-060215-032	643138/4207004	2-Jun	9:05	23.5	0.754	0.39	7.03	3	7.9	0.8	ND
B	E026-060215-033	643071/4207507	2-Jun	8:55	22.8	0.734	0.38	6.41	3	7.96	0.8	ND
C	E026-060215-034	643068/4208306	2-Jun	8:40	22.83	0.712	0.37	6.72	3	7.05	1	ND
A	E026-060915-044	643138/4207004	9-Jun	8:30	21.31	0.767	0.4	6.94	3	8.11	1.4	2.57
B	E026-060915-045	643071/4207507	9-Jun	8:20	26.23	0.766	0.4	5.71	3	8.24	3.8	2.08
C	E026-060915-046	643068/4208306	9-Jun	8:15	26.25	0.759	0.39	5.98	3	8.52	2.3	2.78
A	E026-061515-055	643138/4207004	15-Jun	11:00	26.29	0.761	0.39	6.75	3	8.21	1.9	2.24
B	E026-061515-056	643071/4207507	15-Jun	11:10	25.9	0.768	0.4	7.18	3	8.26	3.9	1.76
C	E026-061515-057	643068/4208306	15-Jun	11:05	26.11	0.756	0.4	6.38	3	8.43	1.8	2.13
A	E026-062215-059	643138/4207004	22-Jun	11:43	26.15	0.79	0.41	5.81	3	7.65	4.7	1.11
B	E026-062215-060	643071/4207507	22-Jun	11:36	25.85	0.797	0.41	6.53	3	7.66	6	ND
C	E026-062215-061	643068/4208306	22-Jun	11:33	25.8	0.797	0.41	6.48	3	7.7	5.9	ND
A	E026-062915-068	643138/4207004	29-Jun	11:42	26.67	0.811	0.42	6.87	3	7.74	3.7	2.61
B	E026-062915-069	643071/4207507	29-Jun	11:36	26.17	0.819	0.43	6.62	3	7.61	5.3	2.12
C	E026-062915-070	643068/4208306	29-Jun	11:33	26.15	0.814	0.42	6.7	3	7.62	5	2.09
A	E026-071315-077	643138/4207004	13-Jul	12:12	25.79	0.799	0.41	7.98	3	7.56	7.9	2.83
B	E026-071315-078	643071/4207507	13-Jul	12:06	25.65	0.811	0.42	7.08	3	7.27	3.4	2.94
C	E026-071315-079	643068/4208306	13-Jul	12:02	25.33	0.805	0.42	7.81	3	7.09	2.4	1.7
A	E026-072715-082	643138/4207004	13-Jul	10:58	26.27	0.861	0.45	6.24	3	7.77	7.3	1.58
B	E026-072715-083	643071/4207507	13-Jul	10:51	24.28	0.876	0.45	6.32	3	7.71	8.2	1.75
C	E026-072715-084	643068/4208306	13-Jul	10:47	26	0.874	0.45	5.87	3	7.8	7.7	1.37
A	E026-081115-087	643138/4207004	11-Aug	12:11	26.14	0.901	0.47	10.47	3	7.67	7	2.3
B	E026-081115-088	643071/4207507	11-Aug	12:04	25.65	0.91	0.47	6.69	3	7.54	12.2	2.1
C	E026-081115-089	643068/4208306	11-Aug	12:00	25.83	0.909	0.47	6.58	3	7.34	11.7	1.62
A	E026-091415-092	643138/4207004	14-Sep	10:32	23.96	1.001	0.52	6.36	3	7.87	9.4	1.08
B	E026-091415-093	643071/4207507	14-Sep	10:26	24.11	1.008	0.53	5.5	3	7.72	11.1	ND
C	E026-091415-094	643068/4208306	14-Sep	10:22	23.93	1.009	0.53	5.55	3	7.63	10.1	ND

5 SeaPro Fastest Results

SRTC SePRO Research & Technology Campus

16013 Watson Seed Farm Road, Whitakers, NC 27891

ilac-MRA PJLA Testing Accreditation #: 777497

FasTEST*

Chain of Custody: 2015-38118-00 **LABORATORY REPORT** **Page 1 of 2 Total**

Customer Company

Company Name: California State Parks
Address: 2000 Evergreen St Ste 100
Sacremento, CA 95815

Customer Contact

Contact Person: Geoff Newman
E-Mail Address: geoff.newman@parks.ca.gov
Phone:
Fax:

Waterbody Information

Waterbody: Delta - CA Waterbody Size (acres): 000 Depth Average: 3

Sample Information

Lab ID	Sample Location	Test Method	Results	Sampling Date	Sampling Time	Temp at Receipt (C)
32646	1			03/10/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**< 1.00**			
32647	2			03/10/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**1.4**			
32648	3			03/10/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**<1.00**			
32649	4			03/10/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**1.6**			
32650	5			03/10/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**<1.00**			
32651	6			03/10/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**<1.00**			
32652	7			03/10/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**<1.00**			

SRTC SePRO Research & Technology Campus

Chain of Custody: **2015-38118-00** **Page 2 of 2 Total Pages**

Waterbody Information

Waterbody: Delta - CA Waterbody Size (acres): 000 Depth Average: 3

Sample Information

Lab ID	Sample Location	Test Method	**Results**	Sampling Date	Sampling Time	Temp at Receipt (C)

ANALYSIS STATEMENTS:
SAMPLE RECEIPT /HOLDING TIMES: All samples arrived in an acceptable condition and were analyzed within prescribed holding times in accordance with the SRTC Laboratory Sample Receipt Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis and any qualifiers will be noted in the report.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
ACCREDITED METHODS: This laboratory is not accredited for the tests marked "‡"
COMMENTS: No significant observations were made unless noted in the report.
MEASUREMENT UNCERTAINTY: Uncertainty of measurement has been accounted for with regards to determination of compliance of instruments used for analysis; uncertainty measurements are available upon request.

Laboratory Information

Date Received: 03/12/2015
Time Received: 10:00
Date Results Sent: 03/17/2015
Date Analysis Performed: 03/16/2015

Disclaimer: The results listed within this Laboratory Report relate only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a dry weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the exclusive use of SRTC Laboratory and its client. This report shall not be reproduced, except in full, without written permission from SRTC Laboratory. The Chain of Custody is included and is an essential component of this report.
This entire report was reviewed and approved for release.

West Bishop
Reviewed By: SRTC Laboratory Manager

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SRTC SePRO Research & Technology Campus
16013 Watson Seed Farm Road, Whitakers, NC 27891

ilac-MRA PJLA Testing Accreditation #: 777497

FasTEST*

Chain of Custody: 2015-38146-00

LABORATORY REPORT

Page 1 of 2 Total

Customer Company

Company Name: California State Parks
Address: 2000 Evergreen St Ste 100
Sacremento, CA 95815

Customer Contact

Contact Person: Geoff Newman
E-Mail Address: geoff.newman@parks.ca.gov
Phone:
Fax:

Waterbody Information

Waterbody: Delta - CA Waterbody Size (acres): 000 Depth Average: 3

Sample Information

Lab ID	Sample Location	Test Method	Results	Sampling Date	Sampling Time	Temp at Receipt (C)
32664	1			03/11/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**<1.00**			
32665	2			03/11/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**1.8**			
32666	3			03/11/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**1.1**			
32667	4			03/11/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**1.4**			
32668	5			03/11/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**1.0**			
32669	6			03/11/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**1.0**			
32670	7			03/11/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**1.1**			
32671	49			03/11/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**1.4**			
32672	53			03/11/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**<1.00**			

SRTC SePRO Research & Technology Campus

Chain of Custody: **2015-38146-00** **Page 2 of 2 Total Pages**

Waterbody Information

Waterbody: Delta - CA Waterbody Size (acres): 000 Depth Average: 3

Sample Information

Lab ID	Sample Location	Test Method	**Results**	Sampling Date	Sampling Time	Temp at Receipt (C)

ANALYSIS STATEMENTS:
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ACCREDITED METHODS: This laboratory is not accredited for the tests marked "‡"
COMMENTS: No significant observations were made unless noted in the report.
MEASUREMENT UNCERTAINTY: Uncertainty of measurement has been accounted for with regards to determination of compliance of instruments used for analysis; uncertainty measurements are available upon request.

Laboratory Information

Date Received: 03/13/2015
Time Received: 10:00
Date Results Sent: 03/16/2015
Date Analysis Performed: 03/16/2015

Disclaimer: The results listed within this Laboratory Report relate only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a dry weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the exclusive use of SRTC Laboratory and its client. This report shall not be reproduced, except in full, without written permission from SRTC Laboratory. The Chain of Custody is included and is an essential component of this report.
This entire report was reviewed and approved for release.

West Bishop
Reviewed By: SRTC Laboratory Manager

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16013 Watson Seed Farm Road, Whitakers, NC 27891

ilac-MRA PJLA Testing Accreditation #: 777497

FasTEST*

Chain of Custody: 2015-38373-00

LABORATORY REPORT

Page 1 of 2 Total

Customer Company

Company Name: California State Parks
Address: 2000 Evergreen St Ste 100
Sacremento, CA 95815

Customer Contact

Contact Person: Geoff Newman
E-Mail Address: geoff.newman@parks.ca.gov
Phone:
Fax:

Waterbody Information

Waterbody: Delta - CA Waterbody Size (acres): 000 Depth Average: 3
Target Plants: po pending

Sample Information

Lab ID	Sample Location	Test Method	Results	Sampling Date	Sampling Time	Temp at Receipt (C)
32677	1			03/16/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**1.1**			
32678	2			03/16/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**1.0**			
32679	3			03/16/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**1.0**			
32680	4			03/16/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**< 1.00**			
32681	5			03/16/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**< 1.00**			
32682	6			03/16/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**< 1.00**			
32683	7			03/16/2015		
		Sonar/Fluridone (µg/L) SOP: FAST 10	**< 1.00**			

SRTC SePRO Research & Technology Campus

Chain of Custody: **2015-38373-00** **Page 2 of 2 Total Pages**

Waterbody Information

Waterbody: Delta - CA Waterbody Size (acres): 000 Depth Average: 3

Target Plants: po pending

Sample Information

Lab ID	Sample Location	Test Method	**Results**	Sampling Date	Sampling Time	Temp at Receipt (C)

ANALYSIS STATEMENTS:
SAMPLE RECEIPT /HOLDING TIMES: All samples arrived in an acceptable condition and were analyzed within prescribed holding times in accordance with the SRTC Laboratory Sample Receipt Policy unless otherwise noted in the report.
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ACCREDITED METHODS: This laboratory is not accredited for the tests marked "‡"
COMMENTS: No significant observations were made unless noted in the report.
MEASUREMENT UNCERTAINTY: Uncertainty of measurement has been accounted for with regards to determination of compliance of instruments used for analysis; uncertainty measurements are available upon request.

Laboratory Information

Date Received: 03/18/2015
Time Received: 10:00
Date Results Sent: 03/18/2015
Date Analysis Performed: 03/18/2015

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This entire report was reviewed and approved for release.

West Bishop
Reviewed By: SRTC Laboratory Manager

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