

## Program to Prevent Invasive Species Contamination

The Board of Directors of the Palmdale Water District adopted Resolution 09 – 02 on January 28, 2009 to protect the District's water supply from invasive species infestation. These actions are necessary to preserve our water quality, reduce future operating costs conform to regulatory requirements and accommodate recreational boating on Palmdale Lake.

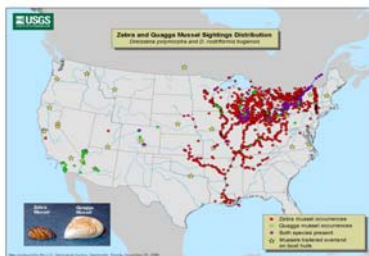
A Inspection Process and Tamper proof Tag Program has been developed for vessels that pass inspection involving a 10-Day Quarantine period. The quarantine can be completed either inside or outside the boat storage area at the Palmdale Lake recreation area. Please read our Policies & Procedures for Vessel Inspections and the Tamper Proof Tag Program below.

### A. BACKGROUND:

*Dreissena bugensis* (Quagga) and *Dreissena polymorpha* (Zebra) mussels are a destructive invasive aquatic species that grow to about an inch in diameter. They can be larger, or sometimes microscopic. They are triangular with a ridge between the side and bottom. They have black, cream or white bands and often feature dark rings on its shell almost like stripes. At various stages of life mussels range in size from microscopic to the size of a fingernail and can attach to most surfaces.



Quagga and zebra mussels are native to the Ukraine and Russia and were first detected in the great lakes in the late 1980's and since have spread throughout much of the eastern United States. Currently, in addition to the great lakes, the mollusks infest the St. Lawrence Seaway, Mississippi River, the Missouri and Arkansas rivers, and more recently they were discovered in Lake Mead (January 6, 2007), Lakes Mojave and Havasu in the Colorado River (January 17, 2007), and later in the summer in the Colorado Aqueduct System. Quagga mussels were recently found in San Diego County in San Vicente Reservoir, Lake Murry Reservoir, Lower Otay Reservoir, Lake Dixon, Miramar Reservoir and in Riverside and Orange County in Lake Skinner and Lake Mathews., County. Zebra mussels were discovered in San Justo Reservoir in San Benito County in January of 2008.



The District is just now completing a series of upgrades to the water treatment plant facilities including a new self cleaning screen at the lake outlet, new pumps and sluice gate valves at the lake outlet, and upgrades to the water treatment plant at a cost of approximately \$55 million, the original value of the plant must also be factored into the total value of the water treatment plant. If the lake were to become infested the additional maintenance labor cost could be well over \$100,000 annually. A 1995 National Zebra Mussel Information Clearinghouse Study indicates an average annual cost of \$214,360 per water treatment facility in the western United States. If the mussels were to enter the water treatment plant potential repair or replacement costs to damaged flow meters, diffusers, flocculators, sludge removal equipment, plate settlers, filters/GAC contactors and filter/GAC contactor underdrain systems, intermediate pump station etc. could be millions of dollars. Another major consideration is potential loss of production from the water treatment plant and impacts to water quality.

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Potential environmental impacts to the Palmdale Lake itself if an infestation were to occur would be devastating. The Quagga/Zebra mussels will upset the food chain by consuming phytoplankton that other species need to survive. They are filter feeders that consume large portions of microscopic plants and animals that form the base of the food chain. Their consumption of significant amounts of phytoplankton decreases zooplankton which causes disruption to the ecological balance of entire water bodies. For the District this means reduced water quality by increasing blue-green algae blooms and when the adult mussels die both cause severe taste & odors which will reduce the effective life of Granular Activated Carbon in our new contactors and increase chemical costs. For the Palmdale Fin & Feather Club an infestation could lead to DFG closing the lake to boating at the very least, increased blue-green algae blooms would cause massive fish die offs because of reduced dissolved oxygen in the water and adult mussels can damage boats and boat engines.



The Strategic Plan for the Palmdale Water District is based on three main components that address the interests of District stakeholders (customers). The strategic elements and goals of this plan are linked to three components of the Strategic Plan which are the Districts Mission Statement, Vision Statement and Core Values.

### MISSION OF THE PALMDALE WATER DISTRICT

The mission of the Palmdale Water District is to provide high quality water to our current and future customers at a reasonable cost.

### VISION STATEMENT

The Palmdale Water District will strive for excellence in providing high quality, reasonably priced water in a growing Antelope Valley by participating in local and regional water issues as a strong advocate for our customers, public education, asset management, water conservation, planning and securing additional water supplies, continuing our commitment to operate efficiently with the help of emerging technologies, challenging, motivating and rewarding our employees and offering premium customer service in all we do.

## Program to Prevent Invasive Species Contamination

### CORE VALUES

- Efficiency
- Fiscal Responsibility
- Natural Resources Management
- Integrity
- Customer Service
- Water Conservation
- Continuous Improvement
- Stakeholder Trust
- A Safe, Productive & Rewarding Workplace

The Strategic Elements that apply are:

- 1.0 - Regulatory Compliance
- 2.0 - Natural Resources Management
- 3.0 - Infrastructure Management
- 6.0 – Financial Management
- 7.0 – Customer Service

Under Fish and Game Code § 2301, § 2302 (AB2065), Title 14 CCR § 671 ((FGC § 2118) the District as a public agency that operates a water supply system is required to cooperate with the Department of Fish and Game (DFG) to implement measures either to avoid infestation or to control or eradicate any infestation that may occur.

The polices in this document are being implemented to ensure that invasive species do not enter Palmdale Lake and impact water quality, treatment infrastructure and threaten the Lake's ecosystem.

### PRACTICES AT OTHER RECREATION AREAS

Vessel Survey/Affidavit; Some lakes require vessel owner/operators to sign a "Certificate" stating that their boat has not been used in infested waters in the last 30 days and then the owner is allowed to launch their boat. The DFG does not endorse this practice. We will be using a vessel survey as part of our inspection process

Vessel Inspection; Some lakes "inspect" boats as they enter the premises and simply ask the owner if they have been on an infested lake in the last 28 to 30 days. As per the DFG this is not necessarily effective protection because in some instances, (depending on who is manning the gate and how busy they are), there is no real inspection performed at all.

Hot Pressure Wash/Decontamination; This practice is typically used at recreational lakes that are already infested with quagga or zebra mussels where the boats are required to be decontaminated before they leave the area to prevent the spread of the mussels. However, the enforcement of this policy is not always strictly enforced and some boat owners may simply leave the area to avoid paying the decontamination (Wash Fee). And as per DFG hot pressure washing a boat is not 100%. Although the 140° F water is assumed to kill any veligers that may be present, unless the boat is lifted off the trailer the contact points between the boat and trailer cannot be effectively cleaned and if the boat has a bilge or it is a pontoon boat there is no guarantee that these areas can effectively be cleaned. There some recreational lakes that will hot pressure wash boats that have been on infested waters and then immediately allow them on their lake. DFG does not endorse this practice.

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Vessel Inspection/Quarantine: Lake Casitas currently employs the practice of inspecting vessels which must be Clean, Drained and Dry. If the vessel passes the inspection it is sealed to its trailer and an additional 10 day quarantine period is required before the vessel is allowed to launch on Lake Casitas. The facility at Lake Casitas does not include a wash/decontamination station for the reasons mentioned in the paragraph above. The DFG considers this as a model program and the proposed Palmdale Water District and Palmdale Fin and Feather Club program/policy is modeled after the Lake Casitas program/policy. The DFG endorses and highly recommends and encourages developing a similar program, (Clean, Drained and Dry).

Monitoring: Most but not all recreational lakes perform monitoring for adult mussels as well as veligers. There are three protocols used by the California Department of Water resources to monitor the states aqueduct system for aquatic invasive species and Palmdale Water District staff will be following DFG's adaptation of these protocols which are described later in this document.

The proposed program includes the following components:

1. Education / Outreach; An information packet has been developed by District staff that is given to all vessel owners upon inspection of their vessels, see attachment A, (PWD Staff recommends that this be posted on the Districts web site as well). "Don't Move A Mussel!" 14 inch x 20 inch posters are posted at the Palmdale Fin and Feather Club Gate house and PWD staff will be visiting local boat shops, upholstery shops, and self storage facilities to request that they display these posters as well. On January 20, 2009 the A.V. Press published a ½ page article entitled "Palmdale Water District: Don't Move A Mussel" and District water treatment plant staff reviewed the Don't Move A Mussel video, the January 14, PWD Board meeting power point presentation and the monitoring protocols at a staff meeting on January 20, 2009. (District Staff recommends that this program/policy be posted on the Districts website after final approval of the Districts Board of Directors.
2. Training; A total of 20 persons have completed the two part inspection training. This includes 5 Palmdale Water District staff and 15 Palmdale Fin and Feather Club staff and members.
3. Inspection Policy and Procedure; Fish and Game Code § 2302 (AB 2065) requires establishment of a prevention program for water supply systems. An initial inspection procedure, vessel survey form, and inspection checklist was utilized to allow Palmdale Fin and Feather Club members to begin having their boats inspected to accommodate opening day and as of January 21, 2009 a total of 134 boats have completed the inspection process. These initial documents included in this document have been updated to include suggestions from vessel inspectors and other modifications that have come from the "Hands On" experience of the initial inspections performed to date.



Vessel Inspection January 17, 2009

## Program to Prevent Invasive Species Contamination



**BEFORE**  
Photos of  
Vessel that  
Failed  
Inspection  
January 17, 2009



**AFTER**  
Photos of  
Same Vessel on  
January 18, 2009



4. Tamper-Proof Seal Policy and Procedure; After a vessel passes inspection the vessel is sealed (Connected) to the vessel trailer in a manner that does not allow the vessel to be removed from the trailer without breaking the seal thereby preventing the vessel from entering any water body. Upon entry into the Palmdale Fin and Feather Club recreational facility the seal is inspected and if the integrity of the seal or cable system has been compromised the vessel will be placed on a 28 day quarantine list and then be required to go through the inspection/ 10 day quarantine process all over again. To accommodate boating on opening day (January 31, 2009) District staff used a wire cable and lead seal from the bow eye and attached to a small chain which was placed around the trailer frame.
5. Quarantine Period; If a vessel passes inspection it is to be sealed to the vessel trailer, the date is recorded and a 10 day quarantine period will begin. The vessel will be allowed to launch after that period has passed providing the seal has not been compromised. The cable and seal system allows the vessel owner to take the boat home to complete the quarantine period.
6. Other Facilities and efforts to protect the Lake; Currently the Water Treatment Plant staff is feeding potassium permanganate into the inflow from the State Water Project. District staff is also planning to set-up a potassium permanganate feed system to treat water coming from Littlerock Reservoir. THE DFG will be contacting the U.S. Forest service to either develop an inspection program or eliminate boat usage on Littlerock reservoir. District staff is currently awaiting a quote from Signs & Designs for "ATTENTION BOATERS" metal signs to be placed at the three boat launch ramps at the Palmdale Lake.



## **ATTENTION BOATERS IT IS ILLEGAL**

**TO POSSESS, TRANSPORT, OR CAUSE  
QUAGGA OR ZEBRA MUSSELS TO BE  
PLANTED IN CALIFORNIA WATERS**

- **ALL BOATERS ARE REQUIRED TO COMPLETE A SURVEY PRIOR TO ENTRY**
- **ALL VESSELS ARE SUBJECT TO INSPECTION**

**THE FUTURE OF BOATING AT PALMDALE LAKE  
DEPENDS ON YOUR COOPERATION**

7. Monitoring Protocols; The Palmdale Water District Water Quality and Laboratory Staff will follow the following three monitoring protocols as outlined by the California Department of Fish and Game.
- (a) Zebra/Quagga Mussel Surface Survey Protocol (*adapted from the California Department of Water Resources Zebra/Quagga Mussel Surface Survey Protocol.*)
  - (b) Zebra/Quagga Mussel Veliger Sampling Protocol Vertical Tow (*adapted from the California Department of Water Resources Zebra/Quagga Mussel protocol for the State Water Project, April 29, 2008.*)
  - (c) Zebra and Quagga Mussel Artificial Substrate Monitoring Protocol (*adapted from the California Department of Water Resources Monitoring Instructions for Zebra/Quagga Mussel Plate Samplers, April 2, 2008*)



Artificial Substrate Monitoring Assembly



63 micron mesh veliger sampling net

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### **B. PURPOSE OF VESSEL INSPECTION:**

1. Identify vessels that pose a risk of infestation to Palmdale Lake
2. Ensure that vessels have been adequately cleaned
3. Quarantine vessels to ensure proper drying time

In order to be consistent with policies, procedures and training, the Palmdale Lake Recreation Area Vessel Inspection Checklist is to be used on all vessel inspections. This document outlines a 20-step process that designated Palmdale Water District and/or Palmdale Fin & Feather Club staff must complete before a vessel of any kind is authorized to enter Palmdale Lake. The Vessel Inspection Checklist is a check off sheet outlining aspects of this policies and procedures document. Each step in the Vessel Inspection Checklist has specific expectations associated with it and should only be conducted by fully trained staff.

Together the Palmdale Water District and Palmdale Fin & Feather Club will follow a zero tolerance policy for inspection criteria. If at any time during an inspection a vessel fails a step on the Vessel Inspection Checklist, the vessel will be placed on the quarantine list for a minimum of twenty-eight (28) days. Additionally, if at any time the vessel owner refuses inspection or in any way refuses to cooperate with the vessel inspector or if an invasive species is detected, access to Palmdale Lake will be denied until such time as the vessel is in compliance with this Vessel Inspection Policy.

### **Policies & Procedures for Vessel Inspection for Invasive Species**

The following outlines parameters, which inspection staff will be adhering to on the Vessel Inspection Checklist.

Vessel Inspector is to write the state boating identification number, owner/operators name, Palmdale Fin & Feather Club member number and date on the Vessel Inspection Checklist.

- (a) Vessel Inspector will check the Palmdale Fin & Feather Club generated database on vessels that have previously been denied access due to inspection issues. All vessels that have been denied access will remain on the list. It will be necessary for inspection staff to check the date of the last denial of entry. If the denial date is within the last 28 days, access will be denied until 28 days has passed.
- (b) The vessel owner/operator is to fill out and sign the "Vessel Survey Form" in the Vessel Inspector's presence. The vessel owner/operator (customer) is voluntarily signing the Vessel Survey under penalty of perjury that the vessel/trailer has not been on any of the listed infected waters in the past 28 days. If the vessel has been to one of the infested lakes in the last 28 days, it is to be denied access and placed on the quarantine list. (*See pg. 13 Tamper-Proof Tag Program section b.*) After the vessel owner/operator (customer) signs the survey, he/she is given the yellow (customer) carbon copy of the Vessel Survey Form.
- (c) Palmdale Water District and/or Palmdale Fin & Feather Club have been directed to provide educational materials to the boating community and general public. Two handouts are given to each vessel operator/owner who enters the Palmdale Fin & Feather Club. The first handout is a Palmdale Water District generated information packet entitled "Protect Palmdale Lake From Invasive Species" and the second is a red and white "Don't Move A Mussel" flyer made by the California Department of Fish and Game.

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- (d) The vessel inspector will request the owner/operator to open all compartments rather than vessel inspection staff due to safety concerns. Compartments on vessels open differently for each style of vessel and can be locked or difficult to open.
- (e) The owner/operator of the vessel is to be informed that an inspection will be performed and that Palmdale Water District and/or Palmdale Fin & Feather Club vessel inspection staff has a zero tolerance policy for any water, debris, or growth found on any vessel or trailer due to possible transportation of invasive species by vessels and trailers. By informing the owner/operator of the policy, he/she should not be surprised if the vessel is denied access to Palmdale Lake.
- (f) The vessel, trailer and vehicle inspection will include looking for water, debris, or growth on or in any inspected area. Surfaces will also be touched to see if growth or mussels may be attached. The inspection should be completed the same way each time starting at one side of the vehicle and ending up at the other side. Checking the "Yes" box indicates that the inspected material is dry and clear of debris. Checking the "No" box indicates that there is water or debris and the vessel will be denied access for a minimum of 28 days and put on the Palmdale Fin & Feather Club quarantine list.

### 1. Vessel Inspection Checklist

The vessel Inspection Procedures, Vessel Inspection Checklist, Vessel Survey Form and Palmdale Water District handouts have been formatted to ensure proper inspections of vessels, trailers and vehicles to prevent Palmdale Lake from becoming infested with invasive species. **All documents pertaining to the Vessel Inspection Procedures are subject to change due to updated policies and recent biological information.**

- a. The owner/operator should schedule a boat inspection appointment with the Palmdale Fin & Feather Club Staff. Only designated Vessel Inspection staff is authorized to conduct vessel inspections.
- b. The owner/operator must be informed that if temporary, long-term storage (other than in the boat storage area) is being requested, the owner/operator will be required to make arrangements with the Palmdale Fin & Feather Club regarding rental agreement and must provide copies of the vessel and trailer registration and drivers license.
- c. The inspection will be conducted by a designated vessel inspector only in accordance with the attached policy entitled "Policies & Procedures for Vessel Inspection for Invasive Species". If the vessel passes inspection the vessel will continue with the 10-Day Quarantine Process described in B below. If the vessel does not pass, the owner/operators name and vessel CF number will be placed on the 28-day quarantine list. The vessel must be re-inspected at the end of the 28 day quarantine period and will be subject to the 10-dat quarantine process described below before being allowed to launch.



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**PALMDALE LAKE VESSEL INSPECTION CHECKLIST**



CF or Boat #: \_\_\_\_\_ Owner/Operator (Print Name) \_\_\_\_\_

Palmdale fin & Feather Club Member #: \_\_\_\_\_ Date: \_\_\_\_\_ Time \_\_\_\_\_ a.m./p.m.

- Computer check to see if vessel has been previously denied entry
- Completed Vessel Survey Form. Have owner/operator complete and sign the form. If owner/operator has checked any lakes on the form, deny entry to the vessel.
- Informational Handouts "Protect Palmdale Lake from Invasive Species" and "Don't Move a Mussel" flyers given.
- Request vessel owner/operator to open all compartments and have the bilge plug pulled.
- Inform owner/operator that Palmdale Lake has a no tolerance policy for any water, debris or growth found on any vessel due to possible transportation of invasive species by vessels and trailers.

**Vessel Inspection:** Check for **WATER, DEBRIS, or GROWTH** and check all smooth surfaces for "SANDPAPER" feel.

**Clear of Water, Debris and/or Growth:** Check appropriate box below

**Pass Fail N/A** **Vehicle Rear:** The vehicle bumper, tailgate, or spare tire may have mud, grass, WEEDS OR OTHER DEBRIS ON IT. If it does have positive signs of the previous, then the vehicle and vessel being towed will be placed on the quarantine list and denied access for a minimum of 28 days.

**Pass Fail N/A** **Trailer Structure, Railings and Spare Tire:** The trailer, Railings and spare tire may have mud, grass, weeds, debris or standing water. If it does have positive signs of the previous, then the vehicle and vessel being towed will be placed on the quarantine list and denied access for a minimum of 28 days.

**Pass Fail N/A** **Vessel Hull:** The vessel hull should be inspected for growth and debris. Growth may be visible if it has recently come from being in the water for an extended period of time. Small mussels attached to a boat can feel like sandpaper or sesame seeds. If a vessels hull has any type of growth or debris, then the vessel will be placed on the quarantine list and denied access for a minimum of 28 days.

**Pass Fail N/A** **Transom:** The transom is at the back of the vessel that the engine is attached to. The transom may have several items of importance to inspection that mussels can attach to including the out drive, trim tabs, transducers, bilge plug area and through hull fittings. Check the transom to make sure the surface is smooth and visibly clear of all debris and growth. If it does have positive signs of the previous, then the vessel will be placed on the quarantine list and denied access for a minimum of 28 days.

**Pass Fail N/A** **Outdrive:** The outdrive is attached to the transom on stern drive vessels and the lower unit on outboard vessels. It has intricate parts that make it easy for mussels to attach, hide and grow. The inspector should feel and look for any signs of growth, debris, or texture of sandpaper. If it does have positive signs of the previous, then the vessel will be placed on the quarantine list and denied access for a minimum of 28 days.

**Pass Fail N/A** **Propeller/Shafts:** Mussels can attach and live on or around where the propeller attaches to the lower unit of the drive shaft. Mussels can also attach to the shaft or connecting points of the vessel. These can be hard to see and should be inspected with a flashlight to verify if any mussels, debris or water is present. If it does have positive signs of the previous, then the vessel will be placed on the quarantine list and denied access for a minimum of 28 days.

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PALMDALE LAKE VESSEL INSPECTION CHECKLIST



Pass Fail N/A Trim Tabs: Trim tabs are located on the lower portion of the transom and are usually metal plates that help stabilize the vessel while underway. The inspector should feel the corners, edges and look on the underside of the trim tabs for debris and growth. If it does have positive signs of the previous, then the vessel will be placed on the quarantine list and denied access for a minimum of 28 days.

Pass Fail N/A Transducers: These are located on the transom or bottom of the hull near the stern of the vessel. They are used in conjunction with a computer to determine depth, speed and water temperature. Growth or debris can appear on them. If it does have positive signs of the previous, then the vessel will be placed on the quarantine list and denied access for a minimum of 28 days.

Pass Fail N/A Bilge Plug: If the bilge plug is pulled when the vessel arrives at the lake, there should be no fluid or debris coming from it. By carefully putting your finger in the plug hole, it can be determined if debris is blocking water from exiting. If the bilge plug is not pulled, have the owner/operator pull the plug, if water exists, place the plug back in to prevent it from coming out. If it does have positive signs of the previous, then the vessel will be placed on the quarantine list and denied access for a minimum of 28 days.

Pass Fail N/A Through Hull Fittings: Through hull fittings in all boats have the potential to store mussels under the right conditions. To check these fittings, look with a flashlight inside them and feel for irregularities. If water or debris is observed or felt, then the vessel will be placed on the quarantine list and denied access for a minimum of 28 days.

Pass Fail N/A Bait Tank/ Live Well/Compartments: Bait tanks, live wells and compartments should be dry and clear of all water and debris. Some compartments do not drain completely due to the way they are manufactured. Any debris in compartments is not acceptable. Common debris often found includes; fish scales, weeds, small pebbles and trash. If it does have positive signs of the previous, then the vessel will be placed on the quarantine list and denied access for a minimum of 28 days.

Pass Fail N/A Bilge: The bilge is at the bottom of the inside stern of the vessel. It may not be visible in all boats due to various boat designs. The bilge should be clean from all water and debris. If it does have positive signs of the previous, then the vessel will be placed on the quarantine list and denied access for a minimum of 28 days.

Pass Fail N/A Anchor/Fenders and line: Anchors can have mud or debris on them. If an anchor, fender and lines attached have been in infested water for an extended period of time then mussels and debris can attach. Check these items for mud growth and debris. If it does have positive signs of the previous, then the vessel will be placed on the quarantine list and denied access for a minimum of 28 days.

Pass Fail N/A Trolling Motor: Trolling motors can pick up plants and debris while being used and must be inspected. Check these items for mud, growth and debris. If it does have positive signs of the previous, then the vessel will be placed on the quarantine list and denied access for a minimum of 28 days.

Pass Fail N/A Boat Equipment & Contents: Check all fishing nets and other fishing equipment, lines and ropes, life jackets, waterfowl decoys, dock guards, downriggers, bait containers or buckets for mud, debris, growth, or water. If it does have positive signs of the previous, then the vessel will be placed on the quarantine list and denied access for a minimum of 28 days.

The vessel Inspection Procedures, Temporary Vessel Inspection Checklist, Temporary Vessel Survey Form and handouts have been formatted to ensure proper inspections of vessels, trailers and vehicles to prevent Palmdale lake from becoming infested with invasive species. All documents pertaining to the Vessel Inspection Procedures are subject to change due to updated policies and recent biological information.

# Program to Prevent Invasive Species Contamination



## PALMDALE WATER DISTRICT PALMDALE FIN & FEATHER CLUB RECREATION AREA VESSEL SURVEY



Revision # 1, Initial

- Offsite Quarantine Cable # \_\_\_\_\_ Tag # \_\_\_\_\_
- Trailer Storage Quarantine - Space # \_\_\_\_\_  Inspection Date: \_\_\_\_\_ Time \_\_\_\_\_ a.m./p.m.
- Quarantine - Space # \_\_\_\_\_ **PASSED** 10-Day Release Date: \_\_\_\_\_
- FAILED** 28-Day Re-inspection Date: \_\_\_\_\_
- Club Member # \_\_\_\_\_ Expires: \_\_\_\_\_ Vessel Inspector: \_\_\_\_\_

**You are required to check the boxes of any of the following waters where you have launched your vessel within the last 28 days.**

- | Rivers                                    | Lakes                             | Lakes                                | Reservoirs                            | Other  |
|---|-----------------------------------|--------------------------------------|---------------------------------------|--|
| <input type="checkbox"/> American         | <input type="checkbox"/> Dixon    | <input type="checkbox"/> Mohave      | <input type="checkbox"/> Copper Basin | <input type="checkbox"/> Central Arizona Project           |
| <input type="checkbox"/> Calaveras, Lower | <input type="checkbox"/> Hayfield | <input type="checkbox"/> Mono        | <input type="checkbox"/> El Capitan   | <input type="checkbox"/> Colorado River Aqueduct, Hayfield |
| <input type="checkbox"/> Mokeluame, Lower | <input type="checkbox"/> Havasu   | <input type="checkbox"/> Murray      | <input type="checkbox"/> Olivenhain   | <input type="checkbox"/> Grass bay                         |
| <input type="checkbox"/> Napa, Lower      | <input type="checkbox"/> Irvine   | <input type="checkbox"/> Natoma      | <input type="checkbox"/> Rattlesnake  | <input type="checkbox"/> Imperial Dam                      |
| <input type="checkbox"/> Owens            | <input type="checkbox"/> Jennings | <input type="checkbox"/> Otay, Lower | <input type="checkbox"/> Sweetwater   | <input type="checkbox"/> Parker Dam Area                   |
| <input type="checkbox"/> San Lorenzo      | <input type="checkbox"/> Matthews | <input type="checkbox"/> Pleasant    | <input type="checkbox"/> San Vincente | <input type="checkbox"/> Putah Creek                       |
|   | <input type="checkbox"/> Mead     | <input type="checkbox"/> Powell      | <input type="checkbox"/> San Justo    |  |
|   | <input type="checkbox"/> Miramar  | <input type="checkbox"/> Skinner     |                                       |  |

**Vessel Information:**

Vessel Registration CF # \_\_\_\_\_ or other ID # \_\_\_\_\_, if applicable.

Type of Vessel  Bass Boat  Fishing Boat (fiberglass)  Pontoon  Fishing Boat (Aluminum)

Other: \_\_\_\_\_

**IF NO CHANGES HAVE OCCURRED, you will be required to show this survey on subsequent visits. Without this copy, a new survey will be required to be completed. Completed surveys are required to be signed and dated in the presence of Palmdale Water District or Palmdale Fin and Feather Club Vessel Inspection Staff.**

1. I hereby acknowledge that I am voluntarily allowing Palmdale Water District or Palmdale Fin and Feather Club Vessel Inspection staff to inspect my vessel for participation in the 10-Day Quarantine Program, including air flushing any areas that may contain unseen water, and hereby indemnify and hold the Palmdale Water District and the Palmdale Fin and Feather Club, its officers, directors, staff and volunteers, harmless of and from any and all liability for any damage caused during, or as a result of, the inspection.

2. A Temporary Seal will be placed between the boat and trailer to allow my vessel to launch on Palmdale Lake on opening weekend (1/31/09) and I hereby agree:

- (a) I am solely responsible to maintain the integrity of the Temporary Seal
- (b) That when the Tamper-proof kit is purchased the kit is non-transferable and non-refundable.
- (c) That I am solely responsible for the condition of the kit.
- (d) That if, at any time, in the sole discretion of Palmdale Water District or Palmdale Fin and Feather Club Vessel Inspection staff, it is determined that the cable, lock or any portion of the Tamper-Proof Kit is no longer viable, and if I wish to continue to participate in the 10-Day Quarantine Program, I will immediately purchase a new kit.

For owner/operators who choose to complete the 10-Day Quarantine Period in a designated assigned space in the Palmdale Fin & Feather Club boat storage area, the signature below indicates that the customer acknowledges and accepts that the Palmdale Water District or Palmdale Fin & Feather Club shall not be liable for any injury to any person, or any damage to any property, or any loss arising out of the use of the space and the owner/operator shall indemnify the Palmdale Water District and the Palmdale Fin and Feather Club against such liabilities. Customer is advised to maintain insurance on the vessel for any losses. In addition, customer acknowledges that the vessel will be parked in an area that is not fenced or gated and agrees to accept the conditions as provided.

**I declare under penalty of perjury I have read and understand the foregoing and that all of the information provided in this declaration is true and correct.**

Print Name: \_\_\_\_\_ Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ Cell: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Program to Prevent Invasive Species Contamination

### **VESSEL QUARANTINE, RE-ENTRY, TEMPORARY STORAGE AND TAMPER-PROOF TAG PROGRAMS**

Programs have been developed involving quarantine procedures, tamper-proof cables and seals and provision for limited temporary storage at locations other than the existing on site storage area. These programs will allow Palmdale Fin & Feather Club members who currently use existing on-site boat/trailer storage to remove their vessels from the club area for servicing and return at a later date, and accommodate Palmdale Fin & Feather club member owner/operators who do not have boat/trailer storage spaces or boat slips.

#### **2. 10-DAY QUARANTINE PROCESS**

1. If the owner/operator has been assigned a dry storage space (Boat Storage Area):
  - (a) Verify that the vessel has a current annual boat permit.
  - (b) direct the owner/operator to his/her assigned space.
  - (c) Attach cable, lock and tamper-proof tag to both the vessel and trailer.
  - (d) Advise owner/operator to retain a copy of the inspection sheet containing the quarantine expiration date.
  
2. If the owner/operator has been assigned a Boat Rental slip:
  - (a) Verify that the vessel has a current annual boat permit.
  - (b) Direct the owner/operator to his/her designated quarantine space.
  - (c) Attach cable, lock and tamper-proof tag to both the vessel and trailer.
  - (d) Advise owner/operator to retain a copy of the inspection sheet containing the quarantine expiration date.
  
3. If the owner/operator is requesting a temporary, long term space:
  - (a) Verify that the vessel has a current annual boat permit.
  - (b) Verify that the Self-Service storage Facility Rental Agreement has been fully completed and executed with the appropriate registration and drivers license copies attached.
  - (c) Direct the owner/operator to the designated space.
  - (d) Attach cable, lock and tamper-proof tag to both the vessel and trailer.
  - (e) Advise owner/operator to retain a copy of the inspection sheet containing the quarantine expiration date.

Vessel owner/operators who normally store their vessels in the Palmdale Fin & Feather Club boat storage area and where the Club can verify that the vessels have remained in the Club boat storage area for a minimum of 28 days, have the option to participate in the Tamper-Proof Tag Program or not. These vessels will be allowed access to Palmdale Lake as long as they remain on the premises. If the owner/operator chooses to participate in the Tamper-Proof Tag Program then the vessel should be cleaned, drained and dried if necessary, inspected, and sealed with a cable and lock set. This allows the owner/operator to remove the vessel from the premises however; the owner/operator will need to have a tamper-proof seal installed prior to removing the vessel from the premises. For vessels completing the 10-Day Quarantine period on site without participating in the Tamper-Proof Tag Program, any vessel returning to the Palmdale Fin & Feather Club (Palmdale Lake) without participating in the Tamper-Proof Tag Program will start the inspection and 10-Day Quarantine period over again. Palmdale Fin and Feather Club staff will be responsible to perform any of the necessary following items:

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- (a) Collect applicable fees if any.
- (b) Direct the owner/operator to the designated space.
- (c) Attach cable, lock and tamper-proof tag to both the vessel and trailer.
- (d) Advise owner/operator to retain a copy of the inspection sheet containing the quarantine expiration date.

### **Temporary/Long term Storage:**

On a space available basis, vessels can be temporarily stored in the designated boat storage area. Vessel owner/operators must comply with requirements of the Palmdale Fin and Feather Club above and execute any required Self-Service Storage Facility agreement with the Palmdale Fin & Feather Club.

- 4. The Customer may complete the 10-day Quarantine Process off site by participating in the applicable sections of the Tamper-Proof Tag Program described below.

### **Tamper-Proof Tag Program:**

The purpose of this policy and procedure is to guarantee that vessels that enter and leave periodically have not been in any infected waters. This will be accomplished by installing a cable, padlock and tamper-proof security tag. The tamper-proof cable must be attached to both the vessel and the trailer. The connection points must be in a location that prevents the vessel or from being removed from the trailer without damaging the cable or tamper-proof security tag.

All vessels are subject to a 10-day Quarantine period which may be completed in the designated boat storage area or off site.

The owner/operator shall schedule an appointment with Palmdale Fin and Feather Club Staff in order to be considered for the Tamper- Proof Tag Program. If eligible for the program, a boat inspection will be performed

The inspection will be conducted by Designated Vessel Inspection Staff only in accordance with the inspection policy.

- (a) If the vessel passes inspection it will continue with the Tamper-Proof Tag Program Process. Advise the owner/operator to retain a copy of the inspection sheet containing the quarantine inspection date.
- (b) If the vessel has been on an infected lake within the last 28 days, the owner/operators name, club member number, and vessel CF number will be placed on the 28-day quarantine list. The vessel and trailer must be inspected and if it passes inspection the vessel will be sealed to the trailer for a 28-day quarantine period before being allowed to enter Palmdale Lake. If the vessel and/or trailer fail the inspection the owner/operator will be informed of the deficiency and instructed to correct the deficiency and have the vessel re-inspected. If the vessel passes the re-inspection it will be sealed to the trailer for a 28-day quarantine period before being allowed to enter Palmdale Lake.

### **For Vessels Completing the 10-Day Quarantine Period Off-Site:**

- (a) Inform the vessel owner/operator that a security kit must be purchased. Inform the vessel owner/operator that the kit consists of a weatherproof tamper-proof vinyl coated stainless steel cable, weather resistant padlock and tamper-proof tag. Review the connection point areas with the vessel owner/operator and explain why these locations have been chosen.

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- (b) Have the vessel owner/operator install the equipment as needed. Verify the connection points and have the vessel owner/operator relocate the equipment if necessary.
- (c) Install the tamper-proof security seal as required and fill out the Tamper Proof Tag Program Log. Make sure the owner/operator verifies the tamperproof security number and signs the Tamper Proof Tag Program Log. Explain to the vessel owner/operator that if the weatherproof tamper-proof vinyl coated stainless steel cable and tamper-proof security tag are not in place or damaged in any way upon their return, a new inspection and 10-Day Quarantine period will be required.
- (d) Instruct the vessel owner/operator that the vessel has been placed on a 10-day Quarantine list. Tell them they may leave the premises and return after the 10-Day Quarantine period is completed for entry onto Palmdale lake.
- (e) Vessels returning to the Palmdale Fin & Feather Club (Palmdale Lake) after completing the Tamper-Proof Tag Program will have the weatherproof tamper-proof vinyl coated stainless steel cable and tamper-proof security tag inspected by designated vessel inspection staff and the cable and tag numbers verified with the entries in the log. As long as the tamper-proof cable and security tag are not missing or damaged, the tamper-proof security tag can be removed by the owner/operator and the vessel will be allowed to launch onto Palmdale Lake. If there is any evidence that the weatherproof tamper-proof vinyl coated stainless steel cable and tamper-proof security tag have been compromised, designated vessel inspection staff must obtain a second opinion before the vessel is rejected. **Special Note:** If the weatherproof tamper-proof vinyl coated stainless steel cable and tamper-proof security tag have not been compromised a "Clean & Dry Inspection" will not be required because the vessel and trailer will not have been in any other body of water.
- (f) If repairs have been made to a vessel and the weatherproof tamper-proof vinyl coated stainless steel cable and tamper-proof security tag have been damaged or removed, the vessel will start the program over again.

Special Note: Small aluminum boats that are not on trailers cannot be sealed therefore owner/operators should be informed that these vessels are subject to inspection each time they enter the facilities and must be Clean, Drained and Dry and a vessel survey must be signed indicating that the vessel has been on no other water body within the last 10 days unless arrangements for on-site storage are made with the Palmdale Fin and Feather Club.