

## Lake Tahoe Marina Aquatic Invasive Species Management Plan

TRPA Code Subsection 84.6.2.B.1 states:

**Aquatic Invasive Species Management Plans.** All marinas shall prepare and implement an Aquatic Invasive Species Management Plan within three years of December 24, 2018. The Management Plan shall, at a minimum:

- a) Identify strategies to prevent the establishment of invasive macrophytes and Asian clams in the marina or where aquatic invasive species are already present, identify measures to control or eradicate the species, or reduce the potential for their spread;
- b) Include an aquatic invasive species monitoring and early detection program within the marina and, where feasible, partner with appropriate resource management agencies or organizations; and
- c) Include a public education component.

Submit AIS Management Plan by no later than May 1<sup>st</sup> annually and End of Season report no later than November 15<sup>th</sup> annually. All plans and end of season reports must be submitted through [Accela Citizen Access](#). Management Plans are subject to TRPA modifications and final approval.

This guide is intended to provide additional details expected to be included in your responses and reports. If the information outlined in this guide is not included in your management plan response and reports, you will be asked to complete revisions prior to management plan approval. For questions or assistance contact [AIS@trpa.gov](mailto:AIS@trpa.gov).

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### **Marina Management Plan**

#### **Marina Information**

Include basic information about your marina including the full name of the marina, and name, job title and contact information for the primary contact person.

Summarize, if any, changes from the last approved management plan including:

- Changes to marina design or operations
- Changes to aquatic invasive species present (newly identified or successfully controlled)
- AIS control efforts implemented or discontinued.

#### **General**

1. Indicate which aquatic invasive species you have observed in your marina in the past year.
2. **Prevention and Control Strategies:** Describe the strategies you are using to prevent the establishment of aquatic invasive plants and Asian clams within the marina (*TRPA Code 84.6.2.B.1.a*) or, where aquatic invasive species are already present, describe the measures you are currently using to control or eradicate the species, or reduce the potential for their spread (*TRPA Code 84.6.2.B.1.a*).

## Marina Management Plan Guide

- a. Include your marina's aquatic invasive species monitoring methods and frequency and early detection program, consistent with the protocols described in [Rapid-response protocol for new aquatic invasive plant infestation for Marinas](#), as well as
  - b. any partners you work with to conduct this work (*TRPA Code 84.6.2.B.1.b*).
3. **Staff AIS Training Record:** Marina staff shall participate annually in a specific "Eyes on the Lake", offered by the League to Save Lake Tahoe, or equivalent training provided by qualified experts as approved by TRPA staff. Any staff conducting AIS plan activities shall participate including the marina manager overseeing these activities. Use the list section in Accela to provide the name and title of each staff, as well as the date of last training and [upload proof of attendance](#).
4. Describe your **Marina AIS public education program** (*TRPA Code 84.6.2.B.1.c*) include any signs, educational materials, customer engagement, etc. pertaining to aquatic invasive species at your marina.
5. **Annual underwater surveys for rooted aquatic invasive plants, presence of crayfish, and/or warm water fish** in the marina, buoy field and boating channels must be conducted between the months of June and October, the natural growing season for aquatic plants. Prior to conducting these surveys each year, submit the following to TRPA for approval:
  - a. Name of company or person conducting the survey
    - i. [Upload proof of their qualifications](#) and/or of attendance of recent (within one year of survey) qualified aquatic plant training.
    - b. [Upload the survey methodology](#).
6. **For locations with known aquatic invasive plant infestations, [upload an AIS Control Plan](#)** document describing the control methods you have selected or are pursuing to reduce the population over the next 1-2 seasons. These will be reviewed and approved by TRPA with the potential for funding support. Include a detailed explanation of the following information:
  - c. Control methods proposed, for example:
    - i. Bubble curtain
    - ii. "Boat back-up" stations
    - iii. AIS removal projects
    - iv. Marina redesign
    - v. Other technologies
  - d. Timeline
  - e. Permitting needs
  - f. Total costs
    - i. Funding support may be available for marinas that are consistently implementing the actions described in their approved AIS Management Plans.

**Lake Tahoe Marina AIS Management Plan End of Season Report**

7. **For marinas with known aquatic invasive plant infestations**, use ArcGIS Field Maps to submit a map of marina with the most up to date locations and approximate boundaries of infestations of each invasive species present.
8. **Upload copies of your daily skimming log** completed from June through October for invasive aquatic plant fragments including:
  - a. Date
  - b. Staff member conducting skimming.
  - c. AIS absence or observed presence.
    - i. Describe location observed.
    - ii. Species observed.
    - iii. Quantity observed: 1-25 fragments; 25-100 fragments, 100+ fragments
    - iv. If and how fragments were removed.
      1. *Note: all removed fragments must be disposed of in a closed dumpster or secure area with no risk of re-entry into Lake Tahoe or its tributaries.*
9. **Upload photos or copies of:**
  - d. Posted signage pertaining to restrictions on filling/drainage of ballast tanks in/at marina
  - e. Certificates of attendance of annual “Eyes on the Lake Marina Training” for marina managers and any staff conducting AIS Plan activities (skimming, surveying, etc.)
  - f. Public education components such as:
    - i. If applicable, signage on motorized watercraft inspection and seal requirements
    - ii. Mooring agreements provided to customers and homeowners with information of AIS impacts and strategies in place
    - iii. Educational materials for the Tahoe Keepers and Eyes on the Lake program shall be available
10. **Upload results of annual under-water survey** of the marina, associated buoy field and boating channel conducted between June through October as well as qualifications of the surveyors, such as past experience conducting surveys or participation in Eyes on the Lake training
  - g. *Note: Survey methodology should be submitted annually for approval by TRPA staff prior to the survey as part of the AIS management plan yearly approval due May 31*
11. Did your marina experience a Harmful Algal Bloom?
12. If Yes,
  - h. When:
  - i. In what part of the marina:
  - j. Were toxins confirmed by a lab? If so, provide the toxin levels and upload a copy of the lab report.