



Big Bear Municipal Water District
 PO BOX 2863, Big Bear Lake, CA 92315
 40524 Lakeview Dr., Big Bear Lake, CA 92315
 Phone: 909-866-5796
 Fax: 909-866-6485

Shorezone Alteration Application

SECTION 1: Applicant Information

Full Name: _____ Date: _____
Last First M.I.

Physical Project Address: _____
Street Address Apartment/Unit #

City State ZIP Code

Mailing Address: _____
PO BOX Address

City State ZIP Code

Phone: _____ Email _____

APN#: _____

Applicant must provide a legal record of survey showing the lakeside boundary of the property to be altered; permanent monuments shall be set for the lakeside boundaries.

Accessor's parcel numbers of property adjacent to project:

Proposed date of project construction: _____ to _____

Photographs of project area must be submitted with application:

Contractor information:

Name: _____ Address: _____

Phone: _____

I hereby certify that this information is true and correct to the best of my knowledge.

Applicant signature: _____ Date: _____

SECTION 2: Existing (pre-alteration) Lake Bottom Conditions

Total acreage of lake bottom to be disturbed by project: _____ acres

Current average shoreline slope (percent of grade) _____%

For all projects attach a scale drawing prepared by a licensed engineer showing the following features as they currently exist over the project area and at least 500' feet on either side of the project:

- Highwater line of Big Bear Lake
- Lot lines of abutting property above the highwater line
- 2' land contours for elevation from 6,743.23 NAD27 down
- Locations of willows, trees, rock piles, docks and other significant features
- One or more typical cross-sections of the final slope
- Shore protection details (additional riprap, etc)
- Stock pile location (if used)
- Erosion control and silt containment best management practices (BMPs)

SECTION 3: Proposed (post alteration) Lake Bottom Conditions

Type of project proposed (check all that apply):

Dredge Only
(complete Part A)

Dredge and Fill
(Complete Parts A & B)

Vegetation removal
(complete Part C)

Clear and Grub
(Complete Part D)

Seawall
(Complete Part E)

Other (describe): _____

SECTION 4: State and Federal Regulations

Unless otherwise noted, shorezone alteration projects that include **dredge** and **dredge and fill**, fall under the jurisdictional authority of the California Water Quality Control Board, United States Army Corps of Engineers, and the California Department of Fish and Wildlife. All these agencies have jurisdiction over the District's ability to approve a project. All agencies must approve and sign off on the project prior to the District's approval. Each of these agencies will require an application packet accompanied with the following:

- application from the appropriate agency
 - 401 Water Quality Certification, Santa Ana Regional Water Quality Control Board
 - 404 Clean Water Act Nationwide Permit, United States Army Corps of Engineers
 - 1602 Lakebed Alteration Agreement, California Department of Fish and Wildlife
- photos,
- written project descriptions,
- written methods of construction,
- copies of plans showing existing conditions,
- copies of plans showing proposed conditions, and
- California Environmental Quality Act (CEQA) environmental document (CEQA Categorical Exemption; Mitigated Negative Declaration, or Environmental Impact Report)

The environmental documents are usually prepared by an environmental consultant. The applicant can apply for and manage the projects themselves, but usually the environmental consultant prepares the CEQA documentation.

Please visit the following websites for regulatory agency details:

- 401 Water Quality Certification: https://www.waterboards.ca.gov/santaana/water_issues/programs/401_certification/
- 404 Clean Water Act: <https://www.epa.gov/cwa-404/section-404-permit-program>
- 1602 Lakebed Alteration Agreement: <https://www.wildlife.ca.gov/conservation/lsa>

Part A: Dredge Only

1. Volume of material to be removed: _____ cubic yards

2. Equipment to be used (check all appropriate):

Scraper/Loader Mini Excavator Excavator Long-reach excavator Dragline dredge

Hydraulic Dredge Bob cat Dump truck (number: _____)

Other: _____

3. Removed spoils material will be placed on:

Applicant's property (above highwater line) Contained area below highwater line

Clean excavation (transferred from dredge directly to dump truck)

**Where will the spoils be permanently stored: _____

4. Method of containment and BMPs used if the material is to be placed near the Lake (all containment and BMPs must be shown on plans):

5. Average shoreline slope after alteration. Slopes to be no greater than 30% (percent grade): _____

6. Attach scale drawings showing proposed contour lines of the planned dredge and include all items listed under Section 2.

7. Prepare a CEQA Environmental Document (as described in Section 4)

8. Obtain the following permits from the following state and federal agencies:

- 401 Water Quality Certification, Santa Ana Regional Water Quality Control Board
- 404 Clean Water Act Nationwide 16 or 33 permit, United States Army Corps of Engineers
- 1602 Lakebed Alteration Agreement, California Department of Fish and Wildlife
- Storm Water Pollution Prevention Plan

Part B: Fill Projects

1. Volume of material to be placed on lake bottom: _____ cubic yards

2. Area of lake bottom currently below elevation 6,743.23 that is to be raised above elevation 6,743.23 as part of the project: _____ (acres -or- square feet)

3. Type of material used as fill (check all that apply):

Lake bottom material Rock Sand Gravel

Other (specify): _____

4. If fill material is other than lake bottom, include a color photograph of proposed fill material.

5. Describe slope protection method: _____

6. Include the following on the scale drawing as shown in Section 2 and Part A

- Area to be filled

7. Prepare a CEQA Environmental Document (as described in Section 4)

8. Obtain the following permits from the following state and federal agencies:

- 401 Water Quality Certification, Santa Ana Regional Water Quality Control Board
- 404 Clean Water Act Nationwide 16 or 33 permit, United States Army Corps of Engineers
- 1602 Lakebed Alteration Agreement, California Department of Fish and Wildlife

Part C: Vegetation Removal Projects

1. Describe the number and species of vegetation to be removed. If only invasive species are removed, no further biological review is necessary: _____
2. Attach a drawing showing the current location of all vegetation to be removed
3. Depending on the location, additional biological surveys may be required by the District.
4. Where will the spoils be permanently stored or disposed of: _____

Part D: Clear and Grub Projects

Under the District's Clear and Grub program, lakefront landowners may remove invasive terrestrial vegetation and up to one (1') foot of nutrient laden soil and root balls/crowns of invasive terrestrial and aquatic weeds. The environmental document and permitting has already be approved for most areas around the Big Bear Lake. In order to proceed with a permit to perform a clear and grubbing project, the District requires the following:

1. Acreage of project: _____
 2. Plans as stated in Section 2.
 3. Cubic yardage of material to be removed: _____
 4. Equipment to be used: Backhoe Excavator Bob cat dump truck
Mower Grader Trailer Pickup truck
 5. Methods of removal (describe): _____

 6. Storage of material: Removed immediately and hauled away Stored and covered on owner's property for 30 days
- **Where will the spoils be permanently stored: _____
7. Access areas shown on plans
 8. Presurvey details:
Date performed: _____ Nests found #: _____ Species found type and #: _____
Biologist name: _____
- Storm Water Pollution Prevention Plan (SWPPP) required ('yes' if site is greater than 1 acre)? _____
- SWPPP produced by: _____

Part E: Seawall Installation or Repair

1. Attach a scale drawing as described in Section 2 and include the location and details of the seawall. Please include:
 - Elevations
 - Cross sections
 - Detail of footing and foundation
 - Foundation protection methods/materials used at the base of the seawall
2. Please note if the seawall is entirely on the applicant's side of the property line, no further permitting is required by the District