# Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>1</td>
</tr>
<tr>
<td>Mitigation Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Vegetation is Cleared</td>
<td>6</td>
</tr>
<tr>
<td>New Impervious Surface is Created</td>
<td>9</td>
</tr>
<tr>
<td>Permitted Fill Material is Placed Below OHWM</td>
<td>10</td>
</tr>
<tr>
<td>Aquatic Habitat is Disturbed</td>
<td>12</td>
</tr>
<tr>
<td>Mitigation Exemption for Repair or Replacement of Overwater Structures</td>
<td>13</td>
</tr>
<tr>
<td>What is the Process for Obtaining Approval to Use this Guidance?</td>
<td>14</td>
</tr>
<tr>
<td>Checklists for Mitigation Approval</td>
<td>16</td>
</tr>
</tbody>
</table>
Introduction

This manual provides guidance for City of Bainbridge Island (City) homeowners as well as City staff and consultants on requirements and mitigation opportunities for specific types of single-family residential (SFR) development within the shoreline jurisdiction of the City.

Under Washington State Shoreline Management Act Guidelines [WAC 173-26-186(8) & 201(2)(c)], all new development, activities and uses must meet the standard of no net loss of ecological functions and shoreline processes. To ensure the standard of no net loss is met, any adverse impacts from new, repaired, or replaced development must be mitigated in accordance with the Mitigation Sequence (see Page 2) described in WAC 173-26-201((2)(e). When there are permanent impacts not addressed in sequence number 2, 3, or 4 the applicant must provide mitigation for the remaining adverse impacts to meet the no net loss standard.

The City’s Shoreline Management Program (SMP) regulations require an applicant submit a site-specific analysis to demonstrate that the no net loss standard has been met. A site-specific analysis is a technical report that identifies existing conditions and ecological functions, impacts from the project, and proposed mitigation.

To give homeowners a low cost alternative for meeting the no net loss standard, this manual was developed and provides mitigation for common types of SFR development as an alternative to submitting a site-specific analysis.

This manual provides City requirements for single family residences when mitigating construction, repair or replacement of SFR primary and accessory structures. Subdivisions, including short plats and other development, and uses or activities not associated with SFR development, are required to provide a site-specific analysis in accordance with the SMP Section 4.1.2 Environmental Impacts.

A homeowner can use this shoreline mitigation manual if:

- the SFR is not part of a new subdivision application; and
- the proposed project is located within a qualifying site (see below); and
- the proposed project is listed among the development and structure types and maximum size constraints covered by this guidance (shown in Table 1).

What sites qualify for this approach?

Sites which qualify for this manual are SFR shoreline parcels that are not adjacent to a marsh or a lagoon. Marshes and lagoons are a critical habitat feature for many protected species and therefore development proposals affecting these sites require a higher level of examination. Proposed development on SFR sites with an adjacent marsh or lagoon must complete a site-specific analysis that complies with the requirements of SMP Section 4.1.2, Environmental Impacts, and/or Appendix B, Critical Areas.

Washington State Shoreline Management Act Guidelines:

**What is mitigation?**

Mitigation is the process of avoiding, limiting, reducing, or eliminating the adverse environmental impacts of a project over time, and ultimately compensating for impacts that remain. Mitigation for impacts follows a specific sequence described in WAC 173-26-201((2)(e) as follows:

1. **Avoid** the impact altogether by not taking a certain action or parts of an action;

2. **Minimize** impacts by limiting the degree or magnitude of the action and its implementation by using appropriate technology or by taking affirmative steps to avoid or reduce impacts;

3. **Rectify** the impact by repairing, rehabilitating, or restoring the affected environment;

4. **Reduce** or eliminate the impact over time by preservation and maintenance operations;

5. **Compensate** for the impact by replacing, enhancing, or providing substitute resources or environments; and

6. **Monitor** the impact and the mitigation activities and take appropriate corrective measures as needed.

The mitigation strategies identified in this manual are for environmental impacts that cannot reasonably be avoided (steps 2 through 6 of this sequence).

New in-water or overwater structures (such as shoreline stabilization construction or docks) are not covered by this guidance. Applications for new in-water or overwater development must submit a site-specific analysis in accordance with the City’s SMP.

An applicant must also obtain a U.S. Army Corps of Engineers (USACE) and Washington Department of Fish and Wildlife (WDFW) Hydraulic Project Approval (HPA) for any new in-water or overwater structure as well as for a repair or replacement of an existing structure. Mitigation is typically required by those agencies as well, however the City may determine that mitigation and permit conditions required by federal and state agencies are sufficient to meet City requirements according to provisions in the SMP. Note that the SMP prohibits new overwater covered moorage in the marine environment.

Mitigation activities prescribed for the qualifying types of construction in this document are selected to directly compensate for environmental impacts that are not prevented through careful site design, structure design or use of best practices. Examples of best practices are low impact development methods for managing stormwater, retractable docks or beach nourishment for shoreline stabilization. For example, permanent clearing of vegetation is mitigated by replanting vegetation, and any permitted fill placed below the ordinary high water mark (OHWM) is mitigated by removing fill already located below the OHWM.
Mitigation is first required to be conducted on the same parcel (on site) as the proposed construction unless impractical. In most cases, more mitigation is required when it will occur on a different parcel (off site).

These measures ensure that mitigation is clearly linked to the type and location of impact the development would have on the shoreline. This approach also supports the City’s responsibility to ensure there is no net loss of shoreline functions.

In some cases, onsite mitigation may not be feasible or offsite mitigation may be preferred based on shoreline physical processes. In either case, check with City of Bainbridge Island Planning and Community Development Department for preferred locations recommended by the City’s Shoreline Restoration Plan or for other guidance related to acceptable offsite mitigation. In limited cases, a reduction in mitigation requirements for offsite compensatory mitigation may be allowed if the Administrator determines a greater ecological benefit is achieved at the proposed location.

What kinds of SFR development qualify for this guidance?

SFR development that qualify for this guidance includes: a new home, accessory structure (to existing SFR), and expansion, replacement, and repair of a SFR or accessory structure. Within these SFR development categories, structures that qualify must be within specific size constraints. The types of structures and size constraints for use of this manual are provided in Table 1. Examples include construction of a new home no larger than 4000 ft²; an accessory structure to an existing home, such as a detached garage no larger than 580 ft², a patio no larger than 120 ft²; stairs to the beach between 50 ft² and 120 ft² (mitigation is not required for stairs less than 50 ft²); remodel of an existing structure; and replacement or repair of shoreline structures such as a bulkhead, stairs or a dock. Note that the listed size constraints are not the maximum permitted by City regulations, but are the maximum for which this manual can be used to determine appropriate mitigation without a site-specific study.

Development of each of these structures typically results in one or more of the following shoreline and nearshore disturbances that require mitigation: 1) vegetation is cleared, 2) new impervious surface is created, 3) fill is placed below the OHWM or 4) aquatic habitat is permanently disturbed. Table 1 identifies which of these disturbances may apply based on your proposed development.
To use Table 1:

1. Select the category of development (new, accessory etc.) that applies to your project from the first column.
2. Select the type of structure from the second column.
3. Check to make sure your proposed development is within the maximum size constraints for that structure. If they are not, you will need a site-specific analysis.
4. Review the impacts requiring mitigation and identify those that apply to your project.
5. For each impact requiring mitigation, go to the corresponding section under Mitigation Requirements for a description of what is required.

Table 1. Qualified Single Family Residential (SFR) developments and associated impacts requiring mitigation.

<table>
<thead>
<tr>
<th>Development Category</th>
<th>Structure Type</th>
<th>Maximum Size Constraints (based on footprint)</th>
<th>Impacts Requiring Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Vegetation is Cleared</td>
<td>New Impervious Surface is Created</td>
</tr>
<tr>
<td>New</td>
<td>SRF including any accessory development</td>
<td>4,000 ft²</td>
<td>♦</td>
</tr>
<tr>
<td></td>
<td>Driveway or parking area</td>
<td>No maximum</td>
<td>♦</td>
</tr>
<tr>
<td>Accessory</td>
<td>Detached garage or carport</td>
<td>580 ft²</td>
<td>♦</td>
</tr>
<tr>
<td></td>
<td>Guest house or ADU</td>
<td>800 ft²</td>
<td>♦</td>
</tr>
<tr>
<td></td>
<td>Boathouse (only in upland)</td>
<td>200 ft²</td>
<td>♦</td>
</tr>
<tr>
<td></td>
<td>Patio – with or without BBQ pit or deck</td>
<td>120 ft²</td>
<td>♦</td>
</tr>
<tr>
<td></td>
<td>Hot tub + deck/patio</td>
<td>120 ft²</td>
<td>♦</td>
</tr>
<tr>
<td></td>
<td>Sport court</td>
<td>200 ft²</td>
<td>♦</td>
</tr>
<tr>
<td></td>
<td>Gazebo, utility shed, well house, greenhouse</td>
<td>200 ft²</td>
<td>♦</td>
</tr>
<tr>
<td></td>
<td>Retaining wall – new or replacement (upland)</td>
<td>3.5 ft. depth and 4 ft. height with no surcharge</td>
<td>♦</td>
</tr>
<tr>
<td></td>
<td>Deck (attached to house)</td>
<td>400 ft²</td>
<td>♦</td>
</tr>
<tr>
<td></td>
<td>Stairs to beach</td>
<td>50 ft² to 120 ft²</td>
<td>♦</td>
</tr>
</tbody>
</table>
### Table 1. Qualified SFR developments and associated impacts requiring mitigation (CONTINUED).

<table>
<thead>
<tr>
<th>Development Category</th>
<th>Structure Type</th>
<th>Maximum Size Constraints (based on footprint)</th>
<th>Vegetation is Cleared</th>
<th>New Impervious Surface is Created</th>
<th>Permitted Fill is Placed Below OHWM</th>
<th>Aquatic Habitat is Disturbed</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFR (primary)</td>
<td>Replace (demolished)</td>
<td>Same size as existing structure in same location</td>
<td>No Mitigation Requirement</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Expand size</td>
<td>Expand size</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Expansion of or addition to SFR</td>
<td>4,000 ft² including existing structure</td>
<td></td>
<td>❅</td>
<td>❅</td>
<td>❅</td>
</tr>
<tr>
<td>Accessory replacement</td>
<td>Bulkhead</td>
<td>Same as existing</td>
<td>❅</td>
<td>❅</td>
<td>❅</td>
<td>❅</td>
</tr>
<tr>
<td></td>
<td>Boathouse</td>
<td>200 ft²</td>
<td>❅</td>
<td>❅</td>
<td>❅</td>
<td>❅</td>
</tr>
<tr>
<td></td>
<td>Stairs to beach</td>
<td>50 ft² to 120 ft²</td>
<td>❅</td>
<td>❅ d</td>
<td>❅</td>
<td>❅</td>
</tr>
<tr>
<td></td>
<td>Dock</td>
<td>Same as existing</td>
<td>❅</td>
<td>❅</td>
<td>❅</td>
<td>❅</td>
</tr>
<tr>
<td>Accessory repair</td>
<td>Bulkhead</td>
<td>3.5 ft. depth and 4 ft. height with no surcharge</td>
<td>❅</td>
<td>❅</td>
<td>❅</td>
<td>❅</td>
</tr>
<tr>
<td></td>
<td>Boathouse</td>
<td>200 ft²</td>
<td>❅</td>
<td>❅</td>
<td>❅</td>
<td>❅</td>
</tr>
<tr>
<td></td>
<td>Stairs to beach</td>
<td>50 ft² to 120 ft²</td>
<td>❅</td>
<td>❅ d</td>
<td>❅</td>
<td>❅</td>
</tr>
<tr>
<td></td>
<td>Dock</td>
<td>Same as existing</td>
<td>❅</td>
<td>❅</td>
<td>❅</td>
<td>❅ d, f</td>
</tr>
</tbody>
</table>

**a** New dock, or other new in-water or overwater structures are not covered by this manual. Covered moorage is prohibited by the City.

**b** Surcharge is the slope above and behind a retaining wall or bulkhead.

**c** No mitigation is required for beach stairs with a footprint smaller than 50 ft².

**d** If stairs are grated and pass stormwater freely no mitigation for impervious area is required.

**e** This program does not cover mitigation required for use of barges. If you intend to use a barge for construction, you will need to submit a site-specific study.

**f** Repairs or replacements of this in-water and overwater structure are exempt from this mitigation requirement if the footprint and impact is reduced (such as by replacing wood decking with grating to increase light penetration and reducing the number of pilings). Specific requirements for footprint and impact reduction are explained in the section called *Mitigation Exemption for Repair or Replacement of Overwater Structures.*
Mitigation Requirements

Review each section that follows as it pertains to your project’s environmental impacts.

Vegetation is Cleared

Shoreline vegetation is considered important to supporting the ecological functions found in the nearshore. Vegetation along the shoreline at minimum infiltrates stormwater, and can provide large woody debris, bank stability, food sources such as detritus and insects for aquatic species, and temperature moderation of the beach and nearshore substrate. Multistoried vegetation can provide an overhanging, complex network of branches, trunks, stems and roots that also moderate nearshore wave energy.

Native vegetation is preferred for shorelines because native species are better adapted to local physical conditions such as soil, geology, and climate and therefore require less maintenance, are resistant to most pests and diseases, and require little or no irrigation or fertilizers, once established. Thus maintaining native plant species along the shoreline can also have consequent benefits on maintaining water quality. Native vegetation also provides more food sources for native wildlife.

Mitigation for vegetation cleared in the shoreline jurisdiction requires replacement with an equivalent or larger area of native multistoried vegetation (includes groundcovers, shrubs, and trees). Areas planted for mitigation are subject to final approval by the Administrator and must be recorded with the County Auditor on a Notice on Title, or other similar document, prior to approval of the project. Areas planted for mitigation are intended to be protected in perpetuity, although future alterations may be allowed with an approved mitigation plan.

What best describes the character of the vegetation in the area you will be clearing?

Is it predominantly:
- Mowed grass or lawn?
- Non-native landscaping?
- Native Vegetation?

Based on the dominant character of the vegetation that will be cleared and where you intend to plant, different ratios of native vegetation planted area to cleared area are required. These ratios are provided in Mitigation Requirements for Vegetation Clearing.

If you intend to plant native vegetation within 30 feet landward of the OHWM (called Zone 1 of the Shoreline Buffer—see Figure 1) the ratios for planting in Zone 1 are lower than if you plant outside of Zone 1. The lower ratio is intended to encourage homeowners to plant in Zone 1 where native vegetation has the greatest effect on nearshore habitat and processes. Ratios are also higher if you are clearing native vegetation, as compared with removing mowed grass or lawn, for the same reason.
When planting native vegetation for mitigation, you must provide a plan view of the project area showing where clearing will occur and where native vegetation will be planted for mitigation (including species, spacing and plant sizes). Species are to be planted with spacing designed to achieve a minimum 65 percent native vegetation coverage within 10 years within the replanted area. To assist you, a list of native species suitable for the City’s shorelines is provided in Appendix A along with planting details showing typical tree, shrub and groundcover spacing and recommended plant sizes.

Note that your planting plan may be designed to protect views from your primary SFR.
Mitigation Requirements for Vegetation Clearing

<table>
<thead>
<tr>
<th>Select character of vegetation being cleared</th>
<th>Will mitigation planting be located within Zone 1?</th>
<th>Mitigation Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area is comprised of mowed grass or lawn</td>
<td>YES</td>
<td>Plant ½ the equivalent area of mowed grass or lawn with multistoried, native vegetation.</td>
</tr>
<tr>
<td></td>
<td>NO</td>
<td>Plant the equivalent area of mowed grass or lawn with multistoried, native vegetation.</td>
</tr>
<tr>
<td>Area is comprised of non-native landscaping (including groundcovers, shrubs or trees)</td>
<td>YES</td>
<td>Plant the equivalent area of cleared non-native landscaping with multistoried, native vegetation.</td>
</tr>
<tr>
<td></td>
<td>NO</td>
<td>Plant 2 times the area of cleared non-native landscaping with multistoried, native vegetation.</td>
</tr>
<tr>
<td>Area is comprised of native landscaping (including groundcovers, shrubs or trees)</td>
<td>YES</td>
<td>Plant 2 times the area of cleared native landscaping to multistoried native vegetation.</td>
</tr>
<tr>
<td></td>
<td>NO</td>
<td>Plant 3 times the area of cleared native landscaping with multistoried, native vegetation.</td>
</tr>
</tbody>
</table>

Figure 2. Planting should incorporate trees, shrubs, and groundcovers to provide multiple layers of vegetation (multistoried).
The use of a rain garden for mitigating impervious surface is based on the understanding that rain gardens can help provide the water collection, retention, and infiltration capacity that are lost when vegetated areas are made impervious. The Rain Garden Handbook for Western Washington Homeowners describes how rain-gardens mimic a native forest by collecting, absorbing, and filtering stormwater runoff from rooftops, driveways, patios, and other areas that don’t allow water to soak in.

To install a rain garden, follow the methods available at www.raingarden.wsu.edu/index.html. There you will find instructions for calculating your drainage area, and locating, designing (sizing), planting and maintaining your rain garden. Local landscape architects, Kitsap County WSU Extension office, Kitsap County Conservation District, and the City’s Planning and Community Development Department are other resources available for assistance.

To mitigate for new impervious surface, you can:

- Remove existing impervious surface of equal area within your shoreline buffer and replant with native vegetation, or
- Install a rain garden that is sized to be at least 20 percent of the area of your new impervious surface.

Rain Gardens

- Can be shaped and sized to fit your yard
- Are constructed with soil mixes that allow water to soak in rapidly and support healthy plant growth
- Can be landscaped with a variety of plants that look beautiful and help manage stormwater

Caution:

Collecting and allowing water to soak into a landslide hazard area can cause instability and potentially endanger your structure. If you need to place your rain-garden on or near a landslide hazard area (any slope greater than 15 percent), a letter or report from a qualified licensed geologist or geotechnical engineer that evaluates the site and your rain garden design must be submitted with your application for review and approval by the Administrator.

Figure 3. Rain gardens can help mitigate stormwater runoff from new impervious surfaces.
Permitted Fill Material is Placed below OHWM

Fill placed below the OHWM permanently eliminates aquatic habitat and can interrupt nearshore sediment flow. These factors both eliminate and reduce ecological functions within the area of fill and may adversely affect adjacent shorelines through reduced sediment supply and increased fragmentation of habitat.

All shoreline structures or modifications that include placing fill below the OHWM will require an equivalent volume of fill removal from below the OHWM elsewhere for mitigation (Table 2). Typical shoreline structures and modifications that include fill placed below the OHWM include stairs, boathouses, docks and bulkheads.

If mitigation for fill removal will occur within the same parcel, the volume removed must be at minimum equal to the volume of fill material placed. If the fill removal occurs on a different parcel, than the volume removed must be two times the volume of fill material placed. See Table 2. This is to encourage mitigation for fill placement at the same location as the environmental impact.

Examples of types of fill that may be removed for mitigation include construction debris such as concrete pieces, riprap, creosote logs, pilings, and failing bulkheads.

In addition to fill removal, bulkhead repair or replacement will require beach nourishment in addition to fill removal as part of mitigation (Table 2).

Beach nourishment differs from fill because it is mobile and permeable, unlike piers, concrete, riprap, or other immobile elements typically associated with nearshore structures. Beach nourishment provides spawning habitat for forage fish species, which are food sources for salmon and other fish species, birds, and marine mammals. While nearshore structures can provide a type of nearshore habitat (for example docks provide holdfasts for barnacles and mussels), these habitats do not improve impaired features of the nearshore ecosystem or support natural geomorphic processes in the way that mobile beach sand can.

Retractable Structures

In many instances structures can be constructed that can be retracted when not in use (for example retractable access stairs or docks). Retractable structures associated with a SFR are exempt from the City’s requirement for mitigation for impacts occurring waterward of the OHWM.

In addition, if the footprint of fill below the OHWM is smaller than 10 square feet, the structure is exempt from providing mitigation as the area is considered too small to significantly impact aquatic resources.
What is beach nourishment?

Beach nourishment is where sediment (usually sand) is placed to protect an eroding beach. Beach sediment lost through alongshore drift or erosion is replaced from sources outside of the eroding beach (often an upland source). Nourishment creates "soft" (non-permanent) protection by creating a larger sand reservoir, pushing the shoreline seaward. Beach nourishment can protect beaches and your property, and avoid or minimize the negative effects of bulkheads.

How do I provide beach nourishment?

Generally, beach nourishment should be located onsite, waterward of the bulkhead; however nourishment may be located off site if the Administrator determines that a greater ecological benefit is obtained at an offsite location than would occur on site. For example, nourishment will be more effective if it is placed in the up-drift area of a drift cell. Its benefit will be longer lasting and spread over a greater portion of the drift cell. The City can help you determine the best location for beach nourishment.

Beach nourishment should cover an area, at minimum, equivalent to the length of the repaired or replaced bulkhead. It should be comprised of mobile sediments suitable for nearshore forage fish spawning habitat. Beach nourishment material should be comprised of 100 percent WDFW Fish Mix or other material approved by the Administrator.
The volume of nourishment should rise at least 1-foot above OHWM and have a foreshore slope no greater than 1 vertical unit per 5 horizontal units (1:5 slope).

The frequency of nourishment must follow WDFW recommendations or occur every five years over a 25-year period. The frequency of nourishment may be less if a sediment loss analysis completed by a qualified professional recommends otherwise. The required frequency of nourishment will be documented in an agreement between you and the City.

In-water or overwater structures have the potential to interrupt or negatively affect ecological functions and processes such as shading or eliminating aquatic habitat, increasing predator opportunities, and interrupting nearshore sediment flow and beach formation. Mitigation is required for repair or replacement because impacts continue to occur for the life of the structure. Construction activities related to repair or replacement may also temporarily affect fish and wildlife, water quality, or shoreline processes.

New in-water or overwater structures are not covered by this manual. Only repair or replacement of in-water or overwater structures are covered by this manual and they must fall within the size constraints identified in Table 1. Qualifying projects must satisfy the SMP requirements for a repair or replacement and must mitigate for the loss of ecological functions.

In-water and overwater repairs and replacements covered by this guidance include bulkheads, boathouses, stairs to the beach, and docks (the components of a dock include ramps, piers and floats, and requirements apply to all components). Note that in-water and overwater repairs and replacements of any structure may require permits from USACE and WDFW, as well as the City.

Upon project completion all areas of shoreline disturbed for the repair or replacement should be restored to as near pre-project configuration as possible and replanted with native vegetation appropriate to the site and approved by the City.

Exemption from mitigation is provided for repair or replacement of structures which meet certain structure impact reduction provisions (such as narrowing a dock or using grating to increase sunlight penetration). These are detailed in the section called Mitigation Exemption for Repair or Replacement of Overwater Structures. When there is no reduction of the structure, you are required to remove an equivalent or greater area of overwater structure elsewhere within the City; contact the Planning and Community Development Department for more details and appropriate locations.
Mitigation Exemption for Repair or Replacement of Overwater Structures

Replacement of docks or stairs with retractable systems are exempt from City required mitigation for impacts to ecological functions and processes occurring waterward of OHWM. Repairs or replacements that reduce the shading footprint of an existing dock are also exempt.

To qualify, any two of the following measures may be used, in accordance with provisions in the SMP:

- Replace dock surface with grating or gridding
- Reduce dock width, to meet current SMP and USACE requirements
- Increase dock height, to meet current SMP, WDFW or USACE recommendations.

These alterations must conform to the most recent design guidance provided by the USACE found in its current Regional General Permit for Residential Inland Marine Overwater Structures (Permit Number CENWS-OD-RG-RGP-6) or meet City requirements, whichever standard provides a smaller footprint and greater light penetration. The Department of Planning and Community Development is available to assist with making this determination. Please contact the department if you have any questions.

Some considerations when planning to repair or replace your dock to avoid mitigation:

- Use a mooring buoy instead of repairing or replacing your dock.
- Replace your fixed dock with a dock that can be retracted when not in use to minimize disturbance to aquatic habitat.
- Share a neighbor’s dock instead of repairing or replacing yours.

To avoid mitigation for repairs or replacements of both fixed or floating docks, the city requires that both of the following be met:

- The dock is no wider than 4 feet for a single use dock and 6 feet for a joint use dock.
- Grating or gridding and replacement floats must be installed that result in a total open area of a minimum of 30 percent. For example, this can be achieved by installing grating with 60 percent open area on at least 50 percent of the dock or by grating a larger percentage of the dock with openings of less than 60 percent. The following equation is used:

\[
\text{% Grating Open Area} \times \text{% Dock Area} = > 30\
\]

Example 0.6 (60%) * 0.5 (50%) = 0.3 (30%)
What is the Process for Obtaining Approval to Use this Guidance?

- Submit your project proposal, completed checklist, and site plan along with your list of required mitigation activities and their proposed design to Planning and Community Development for review and approval by the Administrator.
- Obtain all required shoreline permits as outlined in Table 4-1 of the SMP.
- Submit these applications along with your project proposal.
- A preapplication conference may be required.

A checklist is provided in this manual to assist you with submitting a complete proposal that fulfills the requirements of this manual. Please contact Planning and Community Development by phone at (206) 780-3750 or by email at pcd@bainbridgewa.gov if you have any questions.
Checklists for Mitigation Approval

For each item below, please attach additional information to this checklist as needed to describe fully your project and proposed mitigation.

**General Checklist for All Sites**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Project description</td>
<td>Include a brief description of your proposed structure, along with its footprint.</td>
</tr>
<tr>
<td>☐ List of impacts requiring mitigation</td>
<td>See Table 1.</td>
</tr>
<tr>
<td>☐ Proposed mitigation description</td>
<td>Will mitigation be onsite or offsite? For offsite mitigation, provide location and confirmation that the property owner has agreed to have mitigation on their property.</td>
</tr>
<tr>
<td>☐ Site plan</td>
<td>Show locations of existing and proposed structure(s) as well as location(s) for mitigation.</td>
</tr>
</tbody>
</table>
## Checklist for Various Impact Types

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Description</th>
</tr>
</thead>
</table>
| ☐ Vegetation Clearing | ☐ Areas of Clearing and Replanting  
☐ Species List  
☐ Example Spacing for Planting Species  
☐ Plant Sizes |
| ☐ Creation of New Impervious Area | ☐ Provide the location and area of impervious surface to be removed and replanted.  

**OR**

☐ If constructing a RAIN GARDEN  
☐ Drainage area calculation  
☐ Location and size of rain garden using methods from *Rain Garden Handbook for Western Washington Homeowners* found at [www.raingarden.wsu.edu/index.html](http://www.raingarden.wsu.edu/index.html) |
| ☐ Permitted Fill Below OHWM | ☐ Provide calculation of fill volume and proposed location for removing required fill volume |
| ☐ Beach Nourishment | ☐ Provide location and volume to be deposited  
☐ Provide frequency of nourishment |
| ☐ USACE permit or WDFW HPA is obtained | ☐ Brief description of mitigation requirements  
☐ Provide copy of each permit and any associated conditions |
Appendix A

Native Plant List and Suggested Plant Spacing
Native Plant List

The following tables provide a list of native trees, shrubs, groundcovers, and seed mixes for different site conditions along with their recommended on-center spacing, maintenance notes, and aesthetic qualities.

Additional information on native plants appropriate for Bainbridge Island can be found at:

http://www.kitsapgov.com/dcd/lu_env/native_plants/native_plants.pdf

Examples of a plan view of a planting plan and a section view showing typical plant spacing are provided below.

Plant Spacing

Plan view of native multistoried plant clusters.

Illustration of on-center native plant spacing.