

## Development Guidelines – Shoreline Protection

|                                                              | Dynamic Beach Area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Bluff Areas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Shore Protection<br>- new                                    | <p>Permitted to protect primary building.<br/>Must be landward of the location of the 100 year lake level plus 15m wave uprush allowance</p> <p>Protection works for non-essential structures and features, including but not limited to accessory structures (e.g., gazebos, sheds, bunkies, decks, stairs etc.), lawns and/or other landscaping features are not permitted.</p> <p>Application shall include mandatory review by qualified Coastal Engineer which shows that the proposed works will not aggravate natural hazards.</p>                                                                                                                                                                                                                                                                              | <p>Permitted<br/>Must be landward of the greater of the following:</p> <ol style="list-style-type: none"> <li>1.) the location of the 100 year lake level or</li> <li>2.) a line connecting the toe of the bluff and /or existing shore protection of the two abutting properties on either side of the subject property or</li> <li>3.) the toe of existing bluff</li> </ol> <p>Application shall include mandatory review by qualified Coastal Engineer which shows that the proposed works will not aggravate natural hazards.</p>                                                                                                                                                                                            |
| Shore Protection<br>- replacement or maintenance of existing | <p>Permitted to protect primary building.<br/>Must be landward of the greater of the following:</p> <ol style="list-style-type: none"> <li>1.) the location of the 100 year lake level plus 15m wave uprush allowance</li> <li>2.) the existing shore protection being replaced</li> </ol> <p>Protection works for non-essential structures and features, including but not limited to accessory structures (e.g., gazebos, sheds, bunkies, decks, stairs etc.), lawns and/or other landscaping features are not permitted.</p> <p>All previous shore protection not used in the replacement (e.g. armour stone gabion stone etc.) must be removed from the site and disposed of.<br/>Review by qualified Coastal Engineer which shows that the proposed works will not aggravate natural hazards may be required.</p> | <p>Permitted<br/>Must be landward of the greater of the following:</p> <ol style="list-style-type: none"> <li>1.) the existing shore protection being replaced</li> <li>2.) the location of the 100 year lake level</li> <li>3.) a line drawn between the toe of the bluff and /or existing shore protection of the two abutting properties on either side of the subject property</li> <li>4.) the toe of the existing bluff</li> </ol> <p>All previous shore protection not used in the replacement (e.g. armour stone, gabion stone etc.) must be removed from the site and disposed of.<br/>Review by qualified Coastal Engineer which shows that the proposed works will not aggravate natural hazards may be required.</p> |
| Groynes<br>- new                                             | Not permitted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Not permitted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Groynes<br>-replacement or maintenance of existing           | Permitted, but will be considered on a case by case basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Permitted, but will be considered on a case by case basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |