CUSHMAN SHORELINE MANAGEMENT PLAN UPDATE

DEC. 9, 2017

Presented by:
Tacoma Power and Mason County
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Wildlife and Lands Manager

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MEETING PURPOSE

- Mason County’s new shoreline regulations
- Updates to Tacoma Power’s Shoreline Management Plan (SMP)
  - Seeking preliminary input today.
  - Comments can be provided in any format.
  - We will provide a final draft, table of changes and comment period in 2018.
- Ongoing communication with lessees about SMP implementation
KEY PERMITTING REMINDERS

Shoreline uses need these approvals:

• Applicable regulatory agency permits (*as with all shoreline uses anywhere*)
• Tacoma Power (land owner)
• Lake Cushman Maintenance Company

Reservoir fluctuations and permit timing:

• Drawn down typically between October and April

Allow ample time for permitting to ensure you meet your desired construction timing
Bulkheads

- Repair and replace
- New bulkheads
- Softshore armoring
Docks

- Repair and replace
- New Docks
- Pre/Post-1988
Shoreline Permits & Requirements

- Substantial Development or Shoreline Exemption
- SEPA Checklist & Determination
- Geotechnical Reports
- Habitat Management Plans (HMP) or Biological Evaluations (BE)
- No more Mason Environmental Permits (MEP)
- Building Permit
Standard Buffers

Shoreline Environmental Designations

- Residential
- Rural
- Conservancy
Common Line Setback

Adjacent neighboring structures

Minimum setback 35’
Maximum setback 200’
Common Line Setback

Adjacent structure and undeveloped lot
Common Line Setback

Buffer averaging
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JURISDICTION

Development Lot

Mason County

Cushman Hydroelectric Project Area
(Written authorization required for most uses and all construction activity – consult with Tacoma Power)

10-foot lateral strip

Placement of fill and/or permanent structures within the 10’ lateral strip on development lots requires written authorization from Tacoma Power.

Elevation 742’

Elevation 738’ (full pool)

Lake Cushman

Unvegetated lake shore/bottom
SMP AND SUSPG UPDATES

Reasons for updating the SMP and SUSPG:

• Better achieve the SMP objectives
• Address situations not currently covered and/or clarify existing language
• Improve permitting process efficiency
• Better align with Mason County regulations
Changes being considered:

• Create geo-tech checklist.

• Allow small, justified bulkhead to protect a shoreline structure.

• Add language about toe repairs.
  • Only one toe repair allowed waterward of existing bulkhead footprint.
DOCKS

Changes being considered:

• Require float rest alternative analysis before allowing concrete rest.

• Require anchor lines to be within footprint of structure.

• Specify that anchoring to trees and shoreline stumps is prohibited.
BUOYS

Changes being considered:

• Allow buoy alternative AND shoreline structure.

• Clarify distance from shore only as required to reach appropriate depth during recreation season (not providing year-round moorage).

• Require permitted buoys to be marked for identification.
Mooring Buoy Alternative:
View while vessel is moored

System consists of a permanent anchor, anchor chain, removable non-floating line, optional small line recovery float.

- Clip removed from dock once vessel is connected
- Non-floating anchor retrieval line shall be stored on dock or vessel while vessel is moored.
- Clip removed from chain once vessel is connected
Mooring Buoy Alternative:
View while no vessel is moored

System consists of a permanent anchor, anchor chain, removable non-floating line, optional small line recovery float.
### ALLOWABLE STRUCTURES, USES AND ACTIVITIES

#### Table 4.1. Allowable Shoreline Structures, Uses, and Activities

<table>
<thead>
<tr>
<th>Shoreline Use/Activity</th>
<th>&quot;A&quot; Classification</th>
<th>&quot;B&quot; Classification</th>
<th>Resource Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boat Ramp - Community</td>
<td>Considered</td>
<td>Considered</td>
<td>Considered</td>
</tr>
<tr>
<td>Boat Ramp - Public</td>
<td>Allowed</td>
<td>Allowed</td>
<td>Prohibited</td>
</tr>
<tr>
<td>Community Park</td>
<td>Considered</td>
<td>Considered</td>
<td>Prohibited</td>
</tr>
<tr>
<td>Dock/Pier - Community</td>
<td>Allowed</td>
<td>Allowed</td>
<td>Considered</td>
</tr>
<tr>
<td>Dock/Pier - Single-Family</td>
<td>Allowed</td>
<td>Prohibited</td>
<td>Prohibited</td>
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<tr>
<td>Dock/Pier - Commercial</td>
<td>Prohibited</td>
<td>Prohibited</td>
<td>Prohibited</td>
</tr>
<tr>
<td>Dock/Pier - Public</td>
<td>Considered</td>
<td>Prohibited</td>
<td>Prohibited</td>
</tr>
<tr>
<td>Dredging</td>
<td>Considered</td>
<td>Prohibited</td>
<td>Prohibited</td>
</tr>
<tr>
<td>Fire Rings (3’ dia. or smaller)</td>
<td>Considered</td>
<td>Prohibited</td>
<td>Prohibited</td>
</tr>
<tr>
<td>Fish/Wildlife Support Activity &amp; Device</td>
<td>Considered</td>
<td>Prohibited</td>
<td>Prohibited</td>
</tr>
<tr>
<td>Irrigation (surface only with offsite water source)</td>
<td>Considered</td>
<td>Considered</td>
<td>Prohibited</td>
</tr>
<tr>
<td>Lighting</td>
<td>Prohibited</td>
<td>Prohibited</td>
<td>Prohibited</td>
</tr>
<tr>
<td>Log Boom</td>
<td>Considered</td>
<td>Prohibited</td>
<td>Prohibited</td>
</tr>
<tr>
<td>MARINA</td>
<td>Considered</td>
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<td>Prohibited</td>
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<tr>
<td>Mooring Buoy</td>
<td>Considered</td>
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<td>Prohibited</td>
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<tr>
<td>Multi-Boat Slip</td>
<td>Considered</td>
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<tr>
<td>Path</td>
<td>Considered</td>
<td>Prohibited</td>
<td>Prohibited</td>
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<tr>
<td>Planting Native Vegetation</td>
<td>Considered</td>
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<tr>
<td>Planting Ornamental Vegetation</td>
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<tr>
<td>Recreation Site - Public</td>
<td>Considered</td>
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<td>Public Utilities</td>
<td>Considered</td>
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<td>Scientific Instrumentation</td>
<td>Considered</td>
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<tr>
<td>Shoreline Stabilization Measures - Structural</td>
<td>Considered</td>
<td>Prohibited</td>
<td>Prohibited</td>
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<tr>
<td>Shoreline Stabilization Measures - Non-Structural</td>
<td>Considered</td>
<td>Prohibited</td>
<td>Prohibited</td>
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<tr>
<td>Stairway/Steps/Walkway</td>
<td>Prohibited</td>
<td>Prohibited</td>
<td>Prohibited</td>
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<tr>
<td>Swimming Float</td>
<td>Considered</td>
<td>Prohibited</td>
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<tr>
<td>Temporary Access</td>
<td>Considered</td>
<td>Prohibited</td>
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<tr>
<td>Temporary Use</td>
<td>Considered</td>
<td>Prohibited</td>
<td>Prohibited</td>
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<tr>
<td>Vegetation Modification</td>
<td>Considered</td>
<td>Prohibited</td>
<td>Prohibited</td>
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<tr>
<td>Vista Pruning</td>
<td>Considered</td>
<td>Prohibited</td>
<td>Prohibited</td>
</tr>
<tr>
<td>Woody Debris Removal (HPA issued only)</td>
<td>Considered</td>
<td>Prohibited</td>
<td>Prohibited</td>
</tr>
</tbody>
</table>

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### Changes being considered:

#### Lighting (Clarify):
- Electrical prohibited (incl. 12 volt)
- Solar/battery allowed

#### Log boom (Clarify):
- Public considered
- Private prohibited

#### Mooring buoy (Clarify):
- Alternative allowed

#### Retaining walls (Add):
- Considered

#### Outfalls (natural drainage) (Add):
- Considered

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^ Considered = typically not allowed, but the use/activity will be considered on a case-by-case basis. Tacoma will determine if the proposed use is consistent with the management classification's intent and/or the project license and Settlement Agreement requirements.

**SMP:** page 5-6  
**SUSPG:** page 4-2
PROHIBITED ACTIVITIES

5. PROHIBITED ACTIVITIES

Tacoma Power provides the following list of prohibited structures, uses, and activities within the Project Boundary for guidance purposes; it is not an exhaustive or complete list. If a proposed use is not listed in Table 5.1 of the SMP and is not listed in this section, it is assumed prohibited unless otherwise confirmed by Tacoma Power.

- Any activity or action pursued without proper permits and authorization
- Boat houses (covered moorage)⁶
- Boats that serve as docks or homes
- Buildings/appurtenant structures
- Buildings over water (including portable storage sheds)
- Decks
- Deposition or burning of garbage or yard waste
- Dog kennels or other animal containment areas
- Drain fields and septic systems
- Drydocks
- Excavation that would cause the reservoirs to flow or drain if raised to 742 feet elevation (Lake Cushman) and 482 feet elevation (Lake Kachess)
- Fences, signs, or other features that inhibit or discourage public access or use of the shoreline
- Floating recreational apparatus (e.g. slides, diving platforms, water trampolines, large water toys etc.)
- Habitable structures
- In-kind replacement of existing structures (including grandfathered structures) that do not meet current SMP criteria
- Lawns
- Livestock grazing
- Long term construction material storage
- Long-term storage or parking of personal property (e.g. large woodpiles, cars, boats, trailers, building materials, topslot, etc.)
- Marine fueling stations
- Multi-story structures
- Patios
- Permanent marine treesties, railways, trams, and lifts
- Placement of fill material (except that permitted as part of a bulkhead installation)

Changes being considered:

- Clarify buildings to include sheds
- Clarify slides and diving boards on fixed piers or adjacent upland prohibited
- Add private log booms
- Add private utilities
- Add signs/advertisements

SMP: page 5-7
SUSPG: pages 5-1, 5-2

⁶ Pursuant to Mason County ordinance
SAMPLE ALIGNMENTS CONSIDERED

- Reduce paths to 4 feet wide maximum.
- Define skirting prohibition; allow blocking with gaps.
- Align bulkhead repair and replacement section.
- Increase dock maximum overall length allowance to 60 feet.
OTHER CHANGES CONSIDERED

• Remove “ownership change” from Prior Existing Use (Section 4.4 of SUSPG)

• SUSPG formatting changes:
  – Better table of contents
  – Add index
  – Add checklists for drawings
  – Geo-tech requirements
  – Combine repetitive sections, etc.

• Update “Permitting Process” (Section 6 of SUSPG)
SMP UPDATE PROCESS

- Solicit initial input from shoreline lessees
- Complete internal review and approval of proposed changes
- Draft revised document
- Public comment period
- Submit to license oversight agencies for review and comment
- Submit to FERC for approval
RECAP OF LESSEE INVOLVEMENT

1. Seeking preliminary input today.

2. Comments can be provided in any format.

3. Tacoma will provide a final draft, table of changes and comment period in 2018.
Q&A WITH AGENCY REPRESENTATIVES

Tacoma Power

• Bret Forrester
• Wynnae Wright
• Kyrra Wilson

Mason County

• Kell Rowen
• Stephen Scott

WDFW

• Josh Benton