



PORT METRO  
**vancouver**

## **Project & Environmental Review Categories**

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## 1 INTRODUCTION

This Project and Environmental Review (PER) category document is intended for applicants who are planning projects or activities on federal lands and waters managed by the Vancouver Fraser Port Authority (VFPA), doing business as Port Metro Vancouver (PMV). Its objective is to assist applicants' understanding of the level of review anticipated for a specific project or activity that requires a PMV project permit. The PER category document is intended to be used in conjunction with PMV's Project and Environmental Review Application Guide.

Please consult the Works and Activities Exclusion List to determine if your proposed project requires a PMV project permit. If you are uncertain, contact PMV at [PER@portmetrovancover.com](mailto:PER@portmetrovancover.com) to assist you with this determination. The balance of this document addresses projects and activities that require a PMV project permit.

Principles for applying the project categories include:

- Projects which do not fit clearly into a category will be assessed by PMV on a case by case basis.
- Project review times identified in this document are estimates only. Please consult the PMV Project and Environmental Review Application Guide for more information on review times.
- Projects which require a PMV building permit undergo a separate process in addition to the Project and Environmental Review process described in the Project and Environmental Review Application Guide. Please consult PMV's Building Code Review Guidelines for more information on applying for a PMV building permit.
- Project complexity generally increases from Category A to D. If a project does not meet the criteria set out in Category A, proceed to Category B and so on until the applicable criteria are met.
- Proposed projects must be consistent with PMV's Land Use Plan. Please contact PMV at [PER@portmetrovancover.com](mailto:PER@portmetrovancover.com) if you are unsure if your project is consistent with the Land Use Plan.
- Proposed projects must be consistent with the terms of your lease or licence with PMV. Please contact your Property Administrator to confirm.

Project review categories are at the heart of PMV's Project and Environmental Review process. Most projects should fit into one of the categories identified in this document. Where it is unclear what category your project may fit into, please contact PMV at [PER@portmetrovancover.com](mailto:PER@portmetrovancover.com) to help you identify the appropriate category. Where different components of a proposed project

appear to fit into different categories, generally the higher category will apply to the overall project. Note that PMV will make the final determination of the category that applies to any given project. In general, applicants will be advised of the confirmed project review category within two business days of receipt of a preliminary project inquiry or application.

There may be instances where information received during the course of a Project and Environmental Review may indicate that a change of review category is appropriate. In this event, the applicant will be contacted by the assigned PMV Project Lead to confirm that a change in review category is anticipated.

New or expanded facilities and activities may meet thresholds set out in the Regulations Designating Physical Activities under the *Canadian Environmental Assessment Act, 2012* (CEAA 2012). If your project is a designated project under CEAA 2012, please contact the appropriate responsible authority. For designated projects on PMV-managed lands and waters which have undergone an environmental assessment by the federal responsible authority, please contact PMV to determine how the Project and Environmental Review process applies to the project.

Certain projects and activities located within defined plan areas, such as the East Vancouver Port Lands (EVPL) Area Plan or Central Waterfront Port Lands Policy Statement Area, may have specific requirements which would preclude them from being considered in a category that would apply elsewhere in the port, or may add additional requirements to the PER process. Please review those plans to determine if your site falls within their scope.

## **2 REPAIR, REPLACEMENT AND MAINTENANCE**

### **2.1 Interpretation**

To be considered repair, replacement and/or maintenance, the proposed project **must meet the following criteria:**

1. Materials/equipment will generally be like for like in the same location.
2. Any change in footprint will be on the upland and limited to existing concrete or asphalt areas (i.e. no increase in impervious surface area will result).
3. No change in discharge is associated with the project.
4. No more than a 5 % increase in facility design capacity will result.

## 2.2 Project Examples

Examples of projects within this activity grouping include:

- Replacing deteriorating piles and timbers on an existing dock
- Placing rip rap to return a slope to design criteria
- Repairing a boat ramp
- Replacing an existing modular building or storage shed

**Table 1. Category Criteria for Repair, Replacement and Maintenance**

Project	Category A	Category B	Category C	Category D
<p>Key Category Attributes</p> <p><b>Note: The starting point for review time estimates is the date on which PMV considers the Application to be complete.</b></p>	<ul style="list-style-type: none"> <li>• 1 to 10 business days</li> <li>• No consultation anticipated</li> </ul>	<ul style="list-style-type: none"> <li>• 10 to 60 business days</li> <li>• Potential Aboriginal consultation</li> <li>• Potential public and stakeholder notification</li> </ul>	<ul style="list-style-type: none"> <li>• 60 to 120 business days</li> <li>• Aboriginal consultation anticipated</li> <li>• Public and stakeholder consultation anticipated</li> <li>• Technical studies may be required</li> </ul>	<ul style="list-style-type: none"> <li>• 120 to 170 business days</li> <li>• Aboriginal consultation anticipated</li> <li>• Public and stakeholder consultation required</li> <li>• Technical studies may be required</li> </ul>
<p><u>Pile Replacement</u></p> <p><i>Note: Replacement piles relocated greater than 5 m from extracted piles are considered a new installation. See section 3.</i></p>	<ol style="list-style-type: none"> <li>1. New piles will be replaced one for one in the same locations (i.e., within 5 m of extracted piles);</li> <li>2. Piles will be extracted and/or installed using a vibratory or drop hammer;</li> <li>3. Vessels and equipment will not impede navigation</li> </ol>	<ol style="list-style-type: none"> <li>1. Piles will be installed using a diesel or hydraulic hammer or other technology such as drilling;</li> </ol> <p style="text-align: center;"><b>OR</b></p> <ol style="list-style-type: none"> <li>2. One or more of the criteria in Category A do not apply.</li> </ol>	<p>Not applicable.</p>	<p>Not applicable.</p>

Project	Category A	Category B	Category C	Category D
	or interfere with vessel operations; <b>AND</b> 4. Pile locations are not within an environmentally sensitive area, such as eelgrass or FREMP red-coded habitat.			
<u>In-water Hull and Propeller Cleaning of Oceangoing Vessels</u>	1. A PMV-approved cleaning technology will be used (e.g., the “whale shark” technology); 2. No discharge to a water body will occur; <b>AND</b> 3. Hull coatings meet PMV requirements.	One or more of the criteria in Category A do not apply.	Not applicable.	Not applicable.
<u>Upland Building Replacement</u> Includes replacing a modular building, storage shed or security kiosk	1. The structure footprint is less than 10 m <sup>2</sup> and its height less than 3 m; 2. No new utility infrastructure will be installed;	One or more of the criteria in Category A do not apply.	Not applicable.	Not applicable.

Project	Category A	Category B	Category C	Category D
	3. Activities will be conducted within 15 m measured horizontally from the high water mark or above the water surface; 4. No vegetation removal will be conducted; 5. No excavation beyond imported fill will be conducted; 6. No discharge to a water body will occur; <p style="text-align: center;"><b>AND</b></p> 7. No species at risk are known to be present in the area.			
<p><u>Repair and Maintenance of Dock, Float or Upland Structure Located Near Water</u></p> <p>Includes fender replacement, navigation aid maintenance, utility</p>	1. Upland activities will be conducted within 15 m measured horizontally from the high water mark; 2. With the exception of pile replacement, activities will be conducted in the dry (i.e., above the	One or more of the criteria in Category A do not apply.	Not applicable.	Not applicable.



Project	Category A	Category B	Category C	Category D
replacement, fence repair	water surface) during appropriate tide levels; 3. No discharge to a water body will occur; 4. No vegetation removal will be conducted; 5. No excavation beyond imported fill will be conducted; 6. No species at risk are known to be present in the area; 7. Vessels and equipment will not impede navigation or interfere with vessel operations; <p style="text-align: center;"><b>AND</b></p> 8. No machinery or equipment will operate on the intertidal foreshore (i.e., activities will be land-based or conducted from a barge).			
<u>Shoreline Protection</u>	Not applicable.	1. No vegetation will be impacted;	One or more of the criteria in Category B do not apply.	Not applicable.

Project	Category A	Category B	Category C	Category D
Includes sheet pile wall maintenance and rip rap replacement where the footprint and crest height will not change from the original design		2. No excavation beyond imported fill will be conducted; 3. Activities will be conducted during appropriate tide levels and within timing windows for the protection of fish and wildlife; 4. No species at risk are known to be present in the area; <p style="text-align: center;"><b>AND</b></p> 5. Vessels and equipment will not impede navigation or interfere with vessel operations.		

### 3 NEW INSTALLATION, UPGRADE, EXPANSION AND RELOCATION

#### 3.1 Interpretation

This section addresses proposed projects involving new installations, upgrades, expansions and relocations. Please contact PMV at PER@portmetrovancover.com if you are unsure if your project is consistent with PMV’s Land Use Plan, or contact your Property Administrator to confirm the terms of your lease or licence with PMV.

#### 3.2 Project Examples

Examples of projects within this activity grouping include:

- Installing a new barge ramp or conveyor system

- Constructing or expanding a warehouse or distribution building
- Constructing or expanding terminal facilities
- Upgrading dust control systems, such as replacing filters, fans and spray poles
- Upgrading existing loading equipment
- Extending an existing rail spur
- Replacing and upgrading an electrical substation
- Installing a new underground utility
- Installing new (i.e. not replacement) equipment
- Installing a new recreational dock, ramp and floats
- Replacing and reconfiguring recreational dock floats and fingers

**Table 2. Category Criteria for New Installation, Upgrade, Expansion and Relocation**

Project	Category A	Category B	Category C	Category D
<p>Key Category Attributes</p> <p><b>Note: The starting point for review time estimates is the date on which PMV considers the Application to be complete.</b></p>	<ul style="list-style-type: none"> <li>• 1 to 10 business days</li> <li>• No consultation anticipated</li> </ul>	<ul style="list-style-type: none"> <li>• 10 to 60 business days</li> <li>• Potential Aboriginal consultation</li> <li>• Potential public and stakeholder notification</li> </ul>	<ul style="list-style-type: none"> <li>• 60 to 120 business days</li> <li>• Aboriginal consultation anticipated</li> <li>• Public and stakeholder consultation anticipated</li> <li>• Technical studies may be required</li> </ul>	<ul style="list-style-type: none"> <li>• 120 to 170 business days</li> <li>• Aboriginal consultation anticipated</li> <li>• Public and stakeholder consultation required</li> <li>• Technical studies may be required</li> </ul>
<p><u>New Pile Installation or Relocation</u></p> <p><i>Replacement piles relocated greater than 5 m from extracted piles are considered a new installation.</i></p>	<ol style="list-style-type: none"> <li>1. Less than 20 new piles will be installed;</li> <li>2. New pile locations are greater than 250 m from First Nation reserve/treaty lands, known archaeological sites</li> </ol>	<ol style="list-style-type: none"> <li>1. One or more of the criteria in Category A do not apply;</li> </ol> <p style="text-align: center;"><b>AND</b></p> <ol style="list-style-type: none"> <li>2. None of the criteria in Category C apply.</li> </ol>	<ol style="list-style-type: none"> <li>1. Known archaeological resources or fishing areas may be impacted;</li> <li>2. Species at risk which may be affected by the activities are potentially present;</li> </ol>	<p>Not applicable.</p>

Project	Category A	Category B	Category C	Category D
	<p>and known fishing areas;</p> <p>3. New pile locations are outside the navigational safety channel and do not obstruct line of sight to navigational aids or markers;</p> <p>4. New pile locations are not within an environmentally sensitive area, such as eelgrass or FREMP red-coded habitat;</p> <p>5. No known or suspect subsurface contamination is present at the pile locations;</p> <p>6. No major utility infrastructure or pipelines (e.g. GVS&amp;DD sewer or water mains) are located within 30 m of the pile locations;</p> <p>7. Piles will be installed using a</p>		<p><b>OR</b></p> <p>3. Road, rail or marine traffic will be significantly impacted.</p>	

Project	Category A	Category B	Category C	Category D
	vibratory or drop hammer; 8. Vessels and equipment will not impede navigation or interfere with vessel operations; <p style="text-align: center;"><b>AND</b></p> 9. <i>For relocations only:</i> Piles will be relocated one for one in line with existing piles or structures.			
<p><u>Sign, Lighting</u></p> Includes digital advertising sign or billboard, new high mast lighting, exterior lighting	1. The structure's footprint is less than 10 m <sup>2</sup> and its height less than 3 m; 2. Traffic safety will not be impacted; 3. Activities will be conducted within 15 m measured horizontally from the high water mark or above the water surface; 4. No vegetation removal will be conducted;	1. One or more of the criteria in Category A do not apply; <p style="text-align: center;"><b>AND</b></p> 2. None of the criteria in Category C apply.	1. The structure may have significant view or sight line impacts; <p style="text-align: center;"><b>OR</b></p> 2. New or modified emissions such as light or noise may impact residents.	Not applicable.

Project	Category A	Category B	Category C	Category D
	5. No excavation beyond imported fill will be conducted; 6. No discharge to a water body will occur; <p style="text-align: center;"><b>AND</b></p> 7. No species at risk are known to be present in the area.			
<p><u>Utility Infrastructure</u> Includes a new stormwater outfall, water supply pipeline, electrical and telecommunication infrastructure</p>	1. No excavation beyond imported fill will be conducted; 2. No new or modified discharges to air or water will occur as a result of the project; 3. The structure height is less than 20 m; 4. No vegetation removal will be conducted; 5. No known or suspect subsurface contamination will be disturbed; 6. No species at risk are known to be present in the area;	1. One or more of the criteria in Category A do not apply; <p style="text-align: center;"><b>AND</b></p> 2. None of the criteria in Category C apply.	1. Known archaeological resources or fishing areas may be impacted; 2. Intertidal or riparian vegetation will be impacted; 3. The structure may have significant view impacts; 4. A new or modified discharge to air or water will occur as a result of the project; 5. Known or suspect subsurface contamination will be disturbed; <p style="text-align: center;"><b>OR</b></p>	Not applicable

Project	Category A	Category B	Category C	Category D
	<p><b>AND</b></p> <p>7. The capacity of the network to which the utility will be connected will not be impacted.</p>		<p>6. Species at risk which may be affected by the activities are potentially present.</p>	
<p><u>New Float Home or Relocation</u></p> <p>Includes relocating or installing a single float home within an existing PMV-approved float home facility</p>	<p><i>For relocating an existing float home within PMV jurisdiction only:</i></p> <p>1. The float home will be connected to existing approved sanitary services;</p> <p>2. No pile installation or other in-water work will be conducted;</p> <p><b>AND</b></p> <p>3. Vessel traffic and navigation will not be impacted.</p>	<p>1. A new float home will be installed within PMV jurisdiction;</p> <p><b>OR</b></p> <p>2. One or more of the criteria in Category A do not apply.</p>	<p>Not applicable.</p>	<p>Not applicable.</p>
<p><u>Shoreline Protection</u></p> <p>Includes a new or expanded sheet pile wall, rip rap placement beyond the footprint or crest height of the existing design,</p>	<p>Not applicable.</p>	<p>1. No vegetation will be impacted;</p> <p>2. No excavation beyond imported fill will be conducted;</p> <p>3. Activities will be conducted during appropriate tide</p>	<p>One or more of the criteria in Category B do not apply.</p>	<p>Not applicable.</p>

Project	Category A	Category B	Category C	Category D
placement of an in-water rock buttress to support a sheet pile wall		levels and within timing windows for the protection of fish and wildlife; 4. No species at risk are known to be present in the area;  <b>AND</b> 5. Vessels and equipment will not impede navigation or interfere with vessel operations.		
<u>Dock, Wharf, Gangway, Float, Barge Ramp, Berth</u>  Includes installing a new commercial marina, installing a new barge ramp, expanding an existing berth	Not applicable.	None of the criteria in Category C apply.	1. The project will involve placing fill in water for the purpose of creating land; 2. Existing road, rail or marine traffic or network capacity may be significantly impacted; 3. A new or modified discharge to air or water will occur as a result of the project; 4. Intertidal or riparian vegetation will be impacted;	The project has multiple potential impacts identified in Category C.



Project	Category A	Category B	Category C	Category D
			5. Known or suspect subsurface contamination will be disturbed; 6. New or modified emissions such as light or noise may impact residents; 7. Known archaeological resources or fishing areas may be impacted;  <b>OR</b> 8. Species at risk which may be affected by the activities are potentially present.	
<u>Upland Building, Structure, Equipment or Transportation Corridor (e.g. railway line or road) (excluding Petroleum and Allied Petroleum Product Facilities and Structures)</u>  Includes installing, expanding or	1. The structure footprint is less than 10 m <sup>2</sup> and its height less than 3 m; 2. No new utility infrastructure will be installed; 3. No excavation beyond imported fill will be conducted; 4. Activities will be conducted within	1. The structure footprint is between 10 m <sup>2</sup> and 1000 m <sup>2</sup> ; 2. One or more of the criteria in Category A do not apply;  <b>AND</b> 3. None of the criteria in Category C apply.	1. The structure footprint is greater than 1000 m <sup>2</sup> ; 2. The project will involve placing fill in water for the purpose of creating land; 3. Existing road, rail or marine traffic or network capacity may be significantly impacted;	The project has multiple potential impacts identified in Category C.

Project	Category A	Category B	Category C	Category D
upgrading perimeter fencing, a modular building, a distribution centre, a shiploader, a dumper building, a conveyer, a grain silo, an aggregate facility, bulk liquid non-petroleum storage tanks, a wastewater treatment facility, a dust control system, a railway line, an overpass, new paved areas, and works similar to the preceding	15 m measured horizontally from the high water mark or above the water surface; 5. First Nation reserve/treaty lands and known archaeological sites are not located within 250 m; 6. No vegetation removal will be conducted; 7. No new or modified discharges to air or water will occur as a result of the project; 8. No known or suspect subsurface contamination will be disturbed; <p style="text-align: center;"><b>AND</b></p> 9. No species at risk are known to be present in the area.		4. New or modified emissions such as light or noise may impact nearby residents; 5. The structure may have significant view impacts; 6. Known archaeological resources may be impacted; 7. Vegetation will be impacted; 8. A new or modified discharge to air or water will occur as a result of the project; 9. Known or suspect subsurface contamination will be disturbed; <p style="text-align: center;"><b>OR</b></p> 10. Species at risk which may be affected by the activities are potentially present.	

Project	Category A	Category B	Category C	Category D
<p><u>New Petroleum and Allied Petroleum Product Facilities and Structures</u></p> <p>Includes new waste oil tank, new diesel storage tank system and fueling facility, new tank farm</p> <p><i>Note: The category for other bulk liquid facilities and structures will be determined based on the same criteria described here, with the exception of the designated project threshold for Category D.</i></p>	<p>Not applicable.</p>	<ol style="list-style-type: none"> <li>1. The new facilities consist of aboveground tanks with a total design storage capacity of less than 100 000 L;</li> <li>2. No activities will occur below the high water mark;</li> <li>3. The new facilities will be located greater than 15 m measured horizontally from the high water mark;</li> <li>4. No vegetation removal will be conducted;</li> <li>5. No excavation beyond imported fill will be conducted;</li> <li>6. No known or suspect subsurface contamination will be disturbed;</li> </ol> <p style="text-align: center;"><b>AND</b></p> <ol style="list-style-type: none"> <li>7. None of the criteria in Category C apply.</li> </ol>	<ol style="list-style-type: none"> <li>1. The new facilities will have a total design storage capacity of between 100 000 L and 5 Million L;</li> <li>2. One or more of the criteria in Category B do not apply;</li> <li>3. The project will involve placing fill in water for the purpose of creating land;</li> <li>4. Road, rail or marine traffic may be significantly impacted;</li> <li>5. New or modified emissions such as light or noise may impact nearby residents;</li> <li>6. The structure may have significant view impacts;</li> <li>7. Known archaeological resources may be impacted;</li> <li>8. A new or modified discharge to air or water will occur as</li> </ol>	<ol style="list-style-type: none"> <li>1. The new petroleum storage facilities will have a total design storage capacity of greater than 5 Million L and less than 500 Million L (which is a designated project threshold under CEAA 2012);</li> </ol> <p style="text-align: center;"><b>OR</b></p> <ol style="list-style-type: none"> <li>2. The project has multiple potential impacts identified in Category C.</li> </ol>

Project	Category A	Category B	Category C	Category D
			a result of the project; 9. Known or suspect subsurface contamination will be disturbed;  <b>OR</b>  10. Species at risk which may be affected by the activities are potentially present.	

## 4 DEMOLITION, DECONSTRUCTION, DECOMMISSIONING AND REMOVAL

### 4.1 Interpretation

Demolition, deconstruction and decommissioning involves the closure and/or removal of existing structures and materials at a site. No new or replacement structures will be installed as part of the project.

### 4.2 Project Examples

Examples of projects within this activity grouping include:

- Removal of a net shed
- Removal of damaged piles
- Deconstruction of a warehouse building
- Demolition of a grain silo

**Table 3. Category Criteria for Demolition, Deconstruction, Decommissioning and Removal**

Project	Category A	Category B	Category C	Category D
<p>Key Category Attributes</p> <p><b>Note: The starting point for review time estimates is the date on which PMV considers the Application to be complete.</b></p>	<ul style="list-style-type: none"> <li>• 1 to 10 business days</li> <li>• No consultation anticipated</li> </ul>	<ul style="list-style-type: none"> <li>• 10 to 60 business days</li> <li>• Potential Aboriginal consultation</li> <li>• Potential public and stakeholder notification</li> </ul>	<ul style="list-style-type: none"> <li>• 60 to 120 business days</li> <li>• Aboriginal consultation anticipated</li> <li>• Public and stakeholder consultation anticipated</li> <li>• Technical studies may be required</li> </ul>	<ul style="list-style-type: none"> <li>• 120 to 170 business days</li> <li>• Aboriginal consultation anticipated</li> <li>• Public and stakeholder consultation required</li> <li>• Technical studies may be required</li> </ul>
<p><u>Upland Structure Demolition, Deconstruction, Decommissioning and Removal</u></p>	<ol style="list-style-type: none"> <li>1. The structure footprint is less than 10 m<sup>2</sup> and activities will be conducted within 15 m measured horizontally from the high water mark or above the water surface;</li> </ol> <p style="text-align: center;"><b>OR</b></p> <ol style="list-style-type: none"> <li>2. The structure footprint is between 10 m<sup>2</sup> and 46 m<sup>2</sup> and its height is less than 3 m;</li> </ol> <p style="text-align: center;"><b>AND</b></p>	<ol style="list-style-type: none"> <li>1. The structure footprint is between 46 m<sup>2</sup> and 1000 m<sup>2</sup>;</li> <li>2. One or more of the criteria in Category A do not apply;</li> </ol> <p style="text-align: center;"><b>AND</b></p> <ol style="list-style-type: none"> <li>3. None of the criteria in Category C apply.</li> </ol>	<ol style="list-style-type: none"> <li>1. The structure footprint is greater than 1000 m<sup>2</sup>;</li> <li>2. Intertidal or riparian vegetation will be impacted;</li> <li>3. Known archaeological resources may be impacted;</li> <li>4. Known or suspect subsurface contamination will be disturbed;</li> <li>5. Species at risk which may be affected by the activities are potentially present;</li> <li>6. Road, rail or marine traffic may be impacted;</li> </ol>	<p>Not applicable.</p>

Project	Category A	Category B	Category C	Category D
	3. No riparian vegetation will be removed; 4. No excavation beyond imported fill will be conducted; 5. No discharge to a water body will occur; 6. No species at risk are known to be present in the area; 7. No hazardous materials will be removed; 8. No known or suspect subsurface contamination will be disturbed.		<p style="text-align: center;"><b>OR</b></p> 7. Blasting will be conducted.	
<u>Pile, Dock, Wharf, Net Shed Removal</u>	1. Less than 20 piles will be extracted; 2. Any pile removal will be conducted using a vibratory hammer or clamshell; 3. With the exception of pile extraction, activities will be conducted in the dry (i.e., above the water surface)	1. One or more of the criteria in Category A do not apply; <p style="text-align: center;"><b>AND</b></p> 2. None of the criteria in Category C apply.	1. Intertidal or riparian vegetation will be impacted; 2. Known archaeological resources may be impacted; 3. Known or suspect subsurface contamination will be disturbed;	Not applicable.

Project	Category A	Category B	Category C	Category D
	during appropriate tide levels; 4. No intertidal or riparian vegetation will be impacted; 5. No excavation beyond imported fill will be conducted; 6. No known or suspect subsurface contamination will be disturbed; 7. First Nation reserve/treaty lands and known archaeological sites are not located within 250 m; 8. The structure is not in close proximity to an environmentally sensitive area, such as eelgrass or FREMP red-coded habitat; 9. No species at risk are known to be present in the area; 10. No hazardous materials will be removed;		4. Road, rail or marine traffic may be impacted;  <b>OR</b> 5. Species at risk which may be affected by the activities are potentially present.	

Project	Category A	Category B	Category C	Category D
	11. Vessels and equipment will not impede navigation or interfere with vessel operations;  <b>AND</b>  12. No machinery or equipment will operate on the intertidal foreshore (i.e., activities will be land-based or conducted from a barge).			

## 5 DREDGING

### 5.1 Interpretation

Dredging involves the removal of sediment to maintain navigation at a location.

### 5.2 Project Examples

Examples of projects within this activity grouping include:

- Maintenance dredging within a sawmill water lot
- Dredging an existing navigation channel to design grade
- Expanding the dredged area adjacent to an existing berth to allow for moorage of different vessels
- Dredging to create a new navigation channel



**Table 4. Category Criteria for Dredging**

Project	Category A	Category B	Category C	Category D
<p>Key Category Attributes</p> <p><b>Note: The starting point for review time estimates is the date on which PMV considers the Application to be complete.</b></p>	<ul style="list-style-type: none"> <li>• 1 to 10 business days</li> <li>• No consultation anticipated</li> </ul>	<ul style="list-style-type: none"> <li>• 10 to 60 business days</li> <li>• Potential Aboriginal consultation</li> <li>• Potential public and stakeholder notification</li> </ul>	<ul style="list-style-type: none"> <li>• 60 to 120 business days</li> <li>• Aboriginal consultation anticipated</li> <li>• Public and stakeholder consultation anticipated</li> <li>• Technical studies may be required</li> </ul>	<ul style="list-style-type: none"> <li>• 120 to 170 business days</li> <li>• Aboriginal consultation anticipated</li> <li>• Public and stakeholder consultation required</li> <li>• Technical studies may be required</li> </ul>
<p><u>Maintenance Dredging</u></p> <p>Includes removal of sediment within the same footprint and to the same depth as previously documented dredging activities</p>	<ol style="list-style-type: none"> <li>1. Site has been dredged within the last ten years;</li> <li>2. No change of dredge footprint or depth from previous documented dredging;</li> <li>3. Sediment meets Disposal at Sea Criteria and will be disposed under valid permit or on land;</li> <li>4. Activities will be conducted during appropriate timing windows for the protection of fish and wildlife;</li> </ol>	<ol style="list-style-type: none"> <li>1. Dredging was last conducted greater than ten years ago;</li> <li>2. Material will be disposed/dispersed in-river;</li> </ol> <p style="text-align: center;"><b>OR</b></p> <ol style="list-style-type: none"> <li>3. One or more of the criteria in Category A do not apply;</li> </ol> <p style="text-align: center;"><b>AND</b></p> <ol style="list-style-type: none"> <li>4. None of the criteria in Category C apply.</li> </ol>	<ol style="list-style-type: none"> <li>1. Sediment does not meet Disposal at Sea Criteria and is considered contaminated;</li> </ol> <p style="text-align: center;"><b>OR</b></p> <ol style="list-style-type: none"> <li>2. A new or unproven dredge or disposal method will be used.</li> </ol>	<p>Not applicable.</p>

Project	Category A	Category B	Category C	Category D
	5. Vessels and equipment will not impede navigation or interfere with vessel operations;  <b>AND</b>  6. Proven methodology (e.g., clamshell bucket, hydraulic cutter or trailing suction) will be used.			
<p><u>Capital Dredging</u></p> <p>Includes expansion of previously documented dredge footprint or depth</p> <p style="text-align: center;"><b>OR</b></p> <p>Projects with no available documentation of historic dredging within proposed dredge area</p>	<p>Not applicable.</p>	<ol style="list-style-type: none"> <li>1. Proposed dredge depth is consistent with historic water depths within the dredge footprint;</li> <li>2. Dredge area is located greater than 250 m from First Nation reserve/treaty lands and known archaeological sites;</li> <li>3. Dredge area is located greater than 250 m from bridge footings, major utility infrastructure and pipelines (e.g.</li> </ol>	<ol style="list-style-type: none"> <li>1. Dredge depth is deeper than historically known to occur within footprint;</li> <li>2. Sediment does not meet Disposal at Sea Criteria and is considered contaminated;</li> <li>3. A new or unproven dredge or disposal method will be used;</li> <li>4. Marine traffic may be significantly impacted;</li> </ol> <p style="text-align: center;"><b>OR</b></p>	<p>The project has multiple potential impacts identified in Category C.</p>

Project	Category A	Category B	Category C	Category D
		<p>GVS&amp;DD sewer or water mains);</p> <p>4. Dredge footprint is not in close proximity to an environmentally sensitive area, such as critical habitat or FREMP red-coded habitat;</p> <p>5. Sediment meets Disposal at Sea Criteria and will be disposed under valid permit, on land or disposed/dispersed in-river;</p> <p>6. Activities will be conducted during appropriate timing windows for the protection of fish and wildlife;</p> <p style="text-align: center;"><b>AND</b></p> <p>7. Proven methodology (e.g., clamshell bucket or hydraulic cutter) will be used.</p>	<p>5. One or more of the criteria in Category B do not apply.</p>	

## 6 SHORT TERM ACTIVITIES (EXCLUDING DREDGING)

### 6.1 Interpretation

Short term activities include activities that will be conducted within a defined time period and will not be part of ongoing operations at a site. With the exception of environmental monitoring wells, no structures or equipment will be permanently installed or modified as part of the activities.

### 6.2 Project Examples

Examples of projects within this activity grouping include:

- Drilling or cone penetration testing
- Waterlot cleanup as part of lease termination
- Installation of in-water or intertidal monitoring equipment
- Filming

**Table 5. Category Criteria for Short Term Activities (Excluding Dredging)**

Project	Category A	Category B	Category C	Category D
Key Category Attributes <b>Note: The starting point for review time estimates is the date on which PMV considers the Application to be complete.</b>	<ul style="list-style-type: none"> <li>• 1 to 10 business days</li> <li>• No consultation anticipated</li> </ul>	<ul style="list-style-type: none"> <li>• 10 to 60 business days</li> <li>• Potential Aboriginal consultation</li> <li>• Potential public and stakeholder notification</li> </ul>	<ul style="list-style-type: none"> <li>• 60 to 120 business days</li> <li>• Aboriginal consultation anticipated</li> <li>• Public and stakeholder consultation anticipated</li> <li>• Technical studies may be required</li> </ul>	<ul style="list-style-type: none"> <li>• 120 to 170 business days</li> <li>• Aboriginal consultation anticipated</li> <li>• Public and stakeholder consultation required</li> <li>• Technical studies may be required</li> </ul>
<u>Drilling and Monitoring Well Installation,</u> <u>Remedial Excavation</u>	<ol style="list-style-type: none"> <li>1. No vegetation will be impacted;</li> <li>2. No machinery or equipment will</li> </ol>	One or more of the criteria in Category A do not apply.	Not applicable.	Not applicable.

Project	Category A	Category B	Category C	Category D
	<p>operate on the intertidal foreshore (i.e., activities will be conducted from a barge or vessel);</p> <p>3. Vessels and equipment will not impede navigation or interfere with vessel operations;</p> <p>4. Drilling or excavation locations are greater than 250 m from First Nation reserve/treaty lands and known archaeological sites;</p> <p>5. No discharge to a water body will occur;</p> <p>6. No species at risk are known to be present in the area;</p> <p>7. No major utility infrastructure or pipelines (e.g. GVS&amp;DD sewer or water mains) are located within 30 m of the drilling or</p>			

Project	Category A	Category B	Category C	Category D
	excavation locations; 8. A proven methodology will be used; <p style="text-align: center;"><b>AND</b></p> 9. <i>For remedial excavation only:</i> The excavation will not extend beyond imported fill.			
<u>Filming</u>	1. The project consists strictly of filming activities which do not involve special effects; 2. Traffic safety will not be impacted; 3. No activities will occur below the high water mark; 4. No vegetation removal will be conducted; 5. No excavation will be conducted; 6. No discharge to a water body will occur; <p style="text-align: center;"><b>AND</b></p>	One or more of the criteria in Category A do not apply.	Not applicable.	Not applicable.

Project	Category A	Category B	Category C	Category D
	7. No species at risk are known to be present in the area.			
<p><u>Waterlot Cleanup</u>                      Conducted as part of PMV lease termination/renewal requirements or as otherwise directed by PMV</p>	<ol style="list-style-type: none"> <li>1. The project consists strictly of removing introduced materials from the surface of the seabed by diver or other non-intrusive method;</li> <li>2. No vegetation will be impacted;</li> <li>3. No machinery or equipment will operate on the intertidal foreshore (i.e., activities will be conducted from a barge or vessel);</li> <li>4. Vessels and equipment will not impede navigation or interfere with vessel operations;</li> <li>5. No discharge to a water body will occur;</li> <li>6. No species at risk are known to be present in the area;</li> </ol>	One or more of the criteria in Category A do not apply.	Not applicable.	Not applicable.

Project	Category A	Category B	Category C	Category D
	<p style="text-align: center;"><b>AND</b></p> <p>7. Activities will be conducted during appropriate fish and wildlife protection windows.</p>			
<p><u>Installation of In-water or Intertidal Monitoring Equipment</u></p> <p><i>Note: Installation of land-based monitoring equipment is included in section 3.</i></p>	<p>Not applicable.</p>	<p>1. No vegetation will be impacted;                  2. No excavation beyond imported fill will be conducted;</p> <p style="text-align: center;"><b>AND</b></p> <p>3. No species at risk are known to be present in the area.</p>	<p>1. The project will involve placing fill in water;                  2. Road, rail or marine traffic may be significantly impacted;                  3. A new or modified discharge to air or water will occur as a result of the project;                  4. Intertidal or riparian vegetation will be impacted;                  5. Known or suspect subsurface contamination will be disturbed;                  6. New or modified emissions such as light or noise may impact residents;                  7. Known archaeological</p>	<p>Not applicable.</p>



Project	Category A	Category B	Category C	Category D
			resources or fishing areas may be impacted;  <b>OR</b>  8. Species at risk which may be affected by the activities are potentially present.	

## 7 OTHER

Projects which do not meet the criteria defined in Sections 2 to 6 will be assessed on a case by case basis. The category determination will take into consideration the criteria described in sections 2 to 6 that are relevant to the project. The appropriate category will be confirmed with the applicant once the submitted project information has been reviewed.

## 8 GLOSSARY

The following definitions apply to this PER Categories document.

**Design capacity** means the manufacturer’s stated capacity of a piece of equipment, machinery, or component.

**Deconstruction** means taking apart structures systematically thereby allowing building materials to be kept intact and separated, making it easier to reuse and recycle materials.

**Environmentally sensitive area** includes:

- a) an area designated as a conservation area under the PMV Land Use Plan
- b) an area designated as high productivity under the FREMP classification system
- c) a migratory bird sanctuary
- d) critical habitat as defined under the *Species at Risk Act*

- e) a habitat compensation site
- f) a designated wildlife management area
- g) forested areas, mudflats and intertidal zones that are important to the preservation of fish or wildlife
- h) reaches of aquatic habitats that are important to fish spawning or serve as important rearing habitat for fish.

**EVPL** means the East Vancouver Port Lands.

**Expansion** means an increase in the footprint, height or design capacity of a structure.

**Footprint** means the area of land or water occupied by a building or structure at ground or water surface level.

**FREMP** means the former Fraser River Estuary Management Program.

**Modification** means an alteration to a structure that does not alter its purpose or function.

**Petroleum and allied products** means a petroleum or petroleum allied product as defined in the Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulations.

**Species at risk** means species designated as extirpated, endangered, threatened or of special concern in Appendices 1 through 3 of the *Species at Risk Act*.

**Upland** means above the top of bank.

**Utility** means a water, sewer, storm water or natural gas pipeline, or telecommunication or electrical power line.

**Water body** includes a lake, canal, a reservoir, an ocean, a river and its tributaries and a wetland, up to the annual high-water mark, but does not include a sewage or waste treatment lagoon or a mine tailings pond.

**Waterlot cleanup** means activities consisting strictly of removing introduced materials from the surface of the seabed or riverbed by diver or other non-intrusive method as part of PMV lease termination or renewal requirements or as otherwise directed by PMV.