• Assessment of Risk
• Vetting and Regulatory Compliance
• Spill Response
• Liability
Determining Risk

- Vessel owner/Terminal Operator
- Regional Response Capability
- National Incident Response Coordinator

Table 1: Spill Frequency Estimates (return period, 20 years) — Canadian data only

<table>
<thead>
<tr>
<th>Volume, m³</th>
<th>10 to 100</th>
<th>100 to 1,000</th>
<th>1,000 to 10,000</th>
<th>&gt;10,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Refined Cargo</td>
<td>1.7</td>
<td>10.0</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Bunker</td>
<td>0.5</td>
<td>1.7</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Total</td>
<td>0.4</td>
<td>1.4</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>
Vetting and Regulatory Compliance

• 25+ years of vetting experience
• 3rd party inspectors with accreditation and standardization
• Reviews all aspects compliance + technical considerations + human element
• Shared database by oil majors
Spill Response

• Regionally Contracted – National model
• Response Plans form a partnership
• Subject to review now
Liability

- Polluter pays concept
- Tiered system
- 2 tiers internationally
- 1 tier Canada (SOPF)
- $1.36B
Questions

Robert Lewis-Manning
President
Canada Shipowners Association
613-232-3539
lewis-manning@shipowners.ca