

## Video Title: Lesson 06—The Watershed

<b>Brief Description</b>	Molly Cooperman shows and tells several descriptions of what a watershed is using maps and a model. This video shows what are some dangers Salmon encounter as they travel upstream to spawn. Explains different human impacts on Salmon within a watershed and how we can mitigate these impacts.
<b>KEYWORDS</b>	Watershed factory Chinook salmon pollution chemicals Riparian zone sediment gills Otter spawn Redd milt erosion beavers ecosystems inter-connected storm drains
<b>Curriculum Links By grade- Big Ideas- Content</b>	<p><u>Science</u></p> <p><b>Grade 1-</b> Living things have features and behaviours that help them survive in their environment- names of local animals, structural features of living things in the local environment, behavioural adaptations of animals in the local environment</p> <p><b>Grade 2-</b> Water is essential to all life and cycles through the environment- water sources including local watersheds, water conservation, the water cycle, local First People’s knowledge of water: water cycles, conservation, connection to other systems</p> <p><b>Grade 3-</b> Living things are diverse, can be grouped, and interact in their ecosystems- biodiversity in the local environment - Wind, water and ice change the shape of the land- Observable changes in the local environment caused by erosion and deposition by wind, water and ice.</p> <p><b>Grade 4-</b> All living things sense and respond to their environment- The ways organisms in ecosystems sense and respond to their environment.</p> <p><b>Grade 5-</b> First Peoples concepts of interconnectedness in the environment</p>
<b>Inquiry Questions</b>	Where does your water come from? Where does the water go from your house? How can we help salmon? How do beavers create wetlands?
<b>Background interesting facts, “Nature Nuggets”</b>	<ul style="list-style-type: none"> <li>Chinook Salmon can jump over 1 m high.</li> </ul>
<b>Outdoor Activity</b>	<b>Build your own watershed model</b>
<b>Links to related Resources</b>	<p><b>Coloring sheets of healthy streams:</b> <a href="http://www.pskf.ca/publications/sheets/index.html">http://www.pskf.ca/publications/sheets/index.html</a></p> <p><b>Shuswap Watershed Project resource page:</b> <a href="http://www.shuswapwatershed.ca/resources/teaching-aids/">http://www.shuswapwatershed.ca/resources/teaching-aids/</a></p> <p><b>Make your own watershed and other activities</b> <a href="https://skeenawild.org/activities/">https://skeenawild.org/activities/</a></p> <p>Water and watershed resources <a href="https://www.hctfeducation.ca/lessons/water-wetlands-and-watersheds/">https://www.hctfeducation.ca/lessons/water-wetlands-and-watersheds/</a></p> <p>The Watershed Song <a href="https://www.youtube.com/watch?time_continue=8&amp;v=5Rny84HKgGs&amp;feature=emb_logo">https://www.youtube.com/watch?time_continue=8&amp;v=5Rny84HKgGs&amp;feature=emb_logo</a></p> <p>Why beavers matter <a href="https://www.cbc.ca/news/canada/why-beavers-matter-1.4121550">https://www.cbc.ca/news/canada/why-beavers-matter-1.4121550</a></p>

	Storm drain marking program <a href="https://www.pac.dfo-mpo.gc.ca/education/stormdrain-collecteur-eng.html">https://www.pac.dfo-mpo.gc.ca/education/stormdrain-collecteur-eng.html</a>
<b>Book list</b>	<ol style="list-style-type: none"><li>1. Everything Shuswap by Jim Cooperman</li><li>2. Sweet Water: Poems for the Watersheds by <b>Yvonne Blomer</b>; Halfmoon bay Publishing</li><li>3. Watersheds: A Practical Handbook for Healthy Water by <a href="#">Clive Dobson</a> (Author, Illustrator), <a href="#">Gregor Beck</a> (Author)</li><li>4. <a href="https://www.hctfeducation.ca/product/discover-a-watershed/">https://www.hctfeducation.ca/product/discover-a-watershed/</a></li></ol>
<b>Notes/Misc</b>	Students (independently and in groups) could create maps of their own watershed.