

Video Title: Lesson 06—The Watershed

Brief Description	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.
KEYWORDS	Watershed factory Chinook salmon pollution chemicals Riparian zone sediment gills Otter spawn Redd milt erosion beavers ecosystems inter-connected storm drains
Curriculum Links By grade- Big Ideas- Content	<p><u>Science</u></p> <p>Grade 1- 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>Grade 2- 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>Grade 3- 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>Grade 4- All living things sense and respond to their environment- The ways organisms in ecosystems sense and respond to their environment.</p> <p>Grade 5- First Peoples concepts of interconnectedness in the environment</p>
Inquiry Questions	Where does your water come from? Where does the water go from your house? How can we help salmon? How do beavers create wetlands?
Background interesting facts, “Nature Nuggets”	<ul style="list-style-type: none"> Chinook Salmon can jump over 1 m high.
Outdoor Activity	Build your own watershed model
Links to related Resources	<p>Coloring sheets of healthy streams: http://www.pskf.ca/publications/sheets/index.html</p> <p>Shuswap Watershed Project resource page: http://www.shuswapwatershed.ca/resources/teaching-aids/</p> <p>Make your own watershed and other activities https://skeenawild.org/activities/</p> <p>Water and watershed resources https://www.hctfeducation.ca/lessons/water-wetlands-and-watersheds/</p> <p>The Watershed Song https://www.youtube.com/watch?time_continue=8&v=5Rny84HKgGs&feature=emb_logo</p> <p>Why beavers matter https://www.cbc.ca/news/canada/why-beavers-matter-1.4121550</p>

	Storm drain marking program https://www.pac.dfo-mpo.gc.ca/education/stormdrain-collecteur-eng.html
Book list	<ol style="list-style-type: none">1. Everything Shuswap by Jim Cooperman2. Sweet Water: Poems for the Watersheds by Yvonne Blomer; Halfmoon bay Publishing3. Watersheds: A Practical Handbook for Healthy Water by Clive Dobson (Author, Illustrator), Gregor Beck (Author)4. https://www.hctfeducation.ca/product/discover-a-watershed/
Notes/Misc	Students (independently and in groups) could create maps of their own watershed.