

- o Salmon are an integral part of the Clayoquot Sound food web and bring nutrients to freshwater and forest ecosystems.
- o Commercial as well as recreational fisheries rely on a healthy wild salmon population.
- o Salmon is an important source of food, especially for long-term regional food security.

Climate Change Impacts on Salmon

- o Higher stream temperatures would restrict salmon migration and spawning.
- o Reduced marine oxygen levels will lead to reduced krill populations and therefore decrease food availability for salmon.
- o Reduced rainfall in summer months will lead to the drying of spawning streams, delaying up-stream migration and impacting fry still in the streams



Clayoquot Sound

What can you do?

- o Show that you care about climate change. Talk to your local council
- o Help make our region more climate-resilient by supporting Friends of Clayoquot Sound in protecting the old growth forests of Clayoquot Sound.
- o Help cut global carbon emissions by opposing industrial mega-projects that create massive increases in greenhouse gas emissions. Take the No-Tankers pledge and let's keep BC from becoming a climate changing energy corridor.



All photo credit - Adrian Dorst

Climate Change - Local Values at Risk



Contact us:
 PO Box 489 Tofino, BC V0R 2Z0
 Tel. - 250 725 4218
 Email - info@focs.ca
 Visit us online - focs.ca



Old-growth Temperate Rainforests

Local Significance

- Clayoquot Sound is the largest area of old-growth temperate rainforest left on Vancouver Island.
- Old-growth forests as found in Clayoquot Sound store huge amounts of carbon and continue to do so. They are an important factor in climate change mitigation.
- Healthy forests protect freshwater bodies.
- The temperate rainforests found on Canada's west coast are an increasingly rare ecosystem. They are an important habitat and landscape feature.

Probable Climate Change Impacts on our Forests

- Vancouver Island could be facing a temperature increase of up to 7°C by

the end of the century. Higher temperatures will cause a shift in species distribution, changing forests. Some species face higher potential for growth (e.g. Red Cedar) while others (e.g. Yellow Cedar) face extreme habitat loss.

- With higher temperatures and increased rainfall in winter more pests and diseases could occur.
- Increased risk of wildfires due to drier summers.
- Old growth forests show a much



Surfing

Local Significance

- Surfing is a popular recreational activity with locals and visitors
- Surfing and surf culture add to the area's character and popularity with visitors
- Surf beaches hold high economic value

Climate Change Impacts on Surfing

- More frequent and severe storms could lead to a loss of sand on surf beaches
- Rising sea levels will in the long term lead to shoreline retreat
- Hard to predict changes in the way waves break might occur
- A higher number of coastal protection schemes might have to be installed to protect commercial and housing developments, reducing beach access and quality.
- Higher water temperatures lead to denser algae blooms, clogging beaches and the water surface.



Wild Salmon

Significance to the West Coast

- Salmon have high cultural and historical values