

Conditions for King salmon farming

LEVEL
3-5



SLO: Students will be able to identify the best conditions for farming King salmon.

INTRODUCTION:

Farming any animal requires knowledge of what the best conditions and environments are in order to grow the animal so it is healthy and producing the best quality product. Like all farming, King salmon farming has certain conditions which will affect the health of King salmon and the quality of the product. This activity enables students to learn about these conditions.

WHAT YOU WILL NEED:

- Conditions for King salmon farming activity sheet – 1 per student
- Sea farm process poster

ONLINE VERSION:

kingsalmon.co.nz/ed/activity17

ACTIVITY:

Students fill in the missing words, using words from a list, to discover the conditions that King salmon thrive in.



ACTIVITY SHEET

Conditions for King salmon farming

Using the words below, fill in the missing words to discover the conditions that King salmon thrive in.

There are a number of important factors that need to be taken into consideration in King salmon farming, such as the depth and flow of w_ _ _ _ , temperature and shelter.

King salmon need a plentiful supply of well-oxygenated and u_ _ _ _ _ _ _ _ water. A good depth of water allows a_ _ _ _ _ _ s_ _ _ _ between the pen and seabed, while a good water flow ensures a constant supply of dissolved oxygen and maintains the water quality.

Water t_ _ _ _ _ _ _ _ is an important factor in determining fish health and growth. King salmon thrive in c_ _ _ _ _ waters and best growth is achieved at a temperature of 12-17°C.

King salmon is the main f_ _ _ f_ _ _ _ farmed in New Zealand. The net pens used by The New Zealand King Salmon Company sea farms are d_ _ _ _ _ specifically for New Zealand conditions and are up to 20m deep. The net is s_ _ _ _ _ _ _ _ from a floatation collar and in the pen the King salmon are fed until ready for h_ _ _ _ _ . King salmon are v_ _ _ _ _ f_ _ _ _ _ , so only feed during the day.

The depth of the pens offer healthy g_ _ _ _ _ c_ _ _ _ _ _ _ _ , allowing the fish to move below the surface water.

Words list

adequate
cooler
designed
fin fish

growing conditions
harvest
space
suspended

temperature
unpolluted
visual feeders
water

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There are a number of important factors that need to be taken into consideration in King salmon farming, such as the depth and flow of **water**, temperature and shelter.

King salmon need a plentiful supply of well-oxygenated and **unpolluted** water. A good depth of water allows **adequate space** between the pen and seabed, while a good water flow ensures a constant supply of dissolved oxygen and maintains the water quality.

Water **temperature** is an important factor in determining fish health and growth. King salmon thrive in **cooler** waters and best growth is achieved at a temperature of 12-17°C.

King salmon is the main **fin fish** farmed in New Zealand. The net pens used by The New Zealand King Salmon Company sea farms are **designed** specifically for New Zealand conditions and are up to 20m deep. The net is **suspended** from a floatation collar and in the pen the King salmon are fed until ready for **harvest**. King salmon are **visual feeders**, so only feed during the day.

The depth of the pens offer healthy **growing conditions**, allowing the fish to move below the surface water.