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EFFECTS OF POLLUTED WATER ON FISH LIFE.

(Extracted from Dr. Knight's report to the Minister of Marine and Fisheries.)

THE inquiry detailed in the following pages aimed at eliciting as accurate information as possible in regard to the effects of polluting our waters with (a) saw-dust; (b) nail waste from nail factories; (c) waste water from pulp mills; and (d) waste water from gas works.

The general method of investigation consisted in adding varying percentages of the waste water to fresh water or salt water, according to the kind of fish experimented with, and then immersing the living fish in the mixture and noting the effects upon them.

A "control" experiment was usually carried on along with those in waste water. This "control" consisted in placing a normal, vigorous animal in unpolluted water, so that observations on the fish immersed in the polluted water could be simultaneously compared with observations upon the animal in normal water.

Some preliminary experiments were undertaken for the purpose of determining (1) the shape of the vessel in which the fish