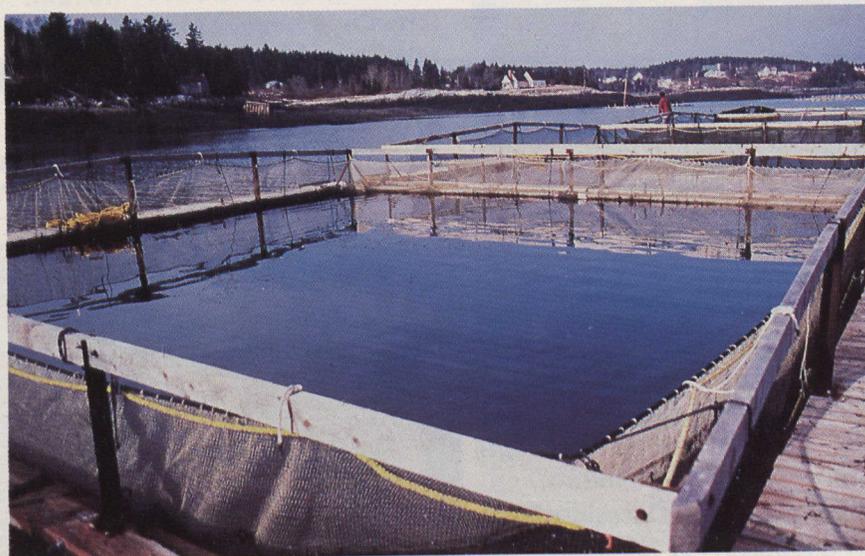


According to Ian Pritchard at the Department of Fisheries and Oceans, Canadians are also using modern technologies in tuna grow-out pens and walleye culture, while research and pilot-scale production is under way for various other species including scallops, crayfish, eels and marine plants.

Trout has been the most valuable species produced commercially in Canada for some time. Rainbow trout, farmed in all regions of Canada, is the most prevalent. Production of trout, both rainbow and brook, is expected to increase from some 1 800 tonnes in 1984 to 2 500 tonnes by 1990.

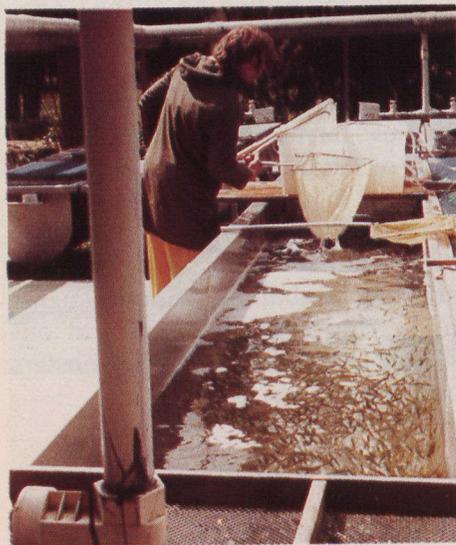


Atlantic salmon culture farm in New Brunswick.

Fisheries and Oceans



Employees at Sea Spring Salmon Farm Ltd. in Chemainus, British Columbia, inspect (left) baby salmon kept in aluminum troughs and (above) mature salmon in saltwater fish pens.



Important growth is occurring in salmon farming along coastal areas of the Pacific, where the number of licensed farms has increased from ten in 1984 to more than 100 in 1986. On the Atlantic coast, production has increased from a mere 6.7 tonnes in 1979, to an estimated 280 tonnes in 1985, and 20 new permits have already been issued in 1986. John Anderson, founding president of the Aquaculture Association of Canada based in

St. Andrews, New Brunswick suggests that "salmon is the Cinderella industry" and predicts that production in Atlantic Canada could exceed 5 000 tonnes by 1990.

Oyster farming and mussel cultivation are also growing impressively. In the Atlantic provinces, 980 tonnes of blue mussels, worth more than \$1 million, were farmed in 1984, compared to 26 tonnes valued at \$28 000 in 1979.

Some companies have been very successful in developing new technologies to speed up the growth process. Advanced Lobster Technology Inc. in Victoria, Prince Edward Island, for example, has perfected a way to produce a mature lobster in only 30 months, compared to up to nine years in the ocean. The process can also be used to increase the weight of smaller lobsters to more than 500 grams.

Allied industries supplying foodstuffs, diagnostic services, vaccines, design services, equipment and other services are burgeoning as well. Some, such as the fish feed manufacturing industry, have shown significant growth in recent years. Colleges and universities are also developing new training and research programs.