

followed, but has made some progress in marine environmental regulation.¹⁰³ Dumping of wastes at sea is controlled by the Ocean Dumping Control Act, restricting the nature of materials which may be dumped. The Arctic Waters Pollution Prevention Act, proclaimed in 1972, declared a 100 nautical mile pollution prevention zone in the Arctic. It limits waste disposal from ships, sets out ship navigation and safety requirements and restricts movements in sixteen designated shipping safety zones.

Public sensitivity towards ocean pollution has been heightened by the extensive contamination which followed the sinking in December 1988, of an oil barge off Washington State and the grounding of the *Exxon Valdez* in Alaska in March 1989. These events demonstrated both the potential for significant damage on the Canadian coast and the enormous costs involved in cleanup and lost revenues from ocean industries.

Expansion of off-shore mineral exploration will be conditioned by enhanced safety requirements as well as environmental concerns. The *Ocean Ranger* disaster in 1982 and the subsequent Royal Commission of Inquiry clearly demonstrated the existing inadequacies.¹⁰⁴ As operations expand within the Exclusive Economic Zone, there will be a demand for parallel improvement in monitoring and search and rescue capabilities.

Trade

Canada is a major trading nation, with annual exports accounting for 21.7% of GDP in 1990. The importance of trade in a maritime sense requires scrutiny, however. As can be seen in Table II, Canada's total imports and exports have grown by a factor of seven since 1971, but the proportion going to and from the United States has remained essentially 70% for imports and 75% for exports (see Tables III and IV). It is noteworthy

¹⁰³ David VanderZwaag, "Canada and Marine Environmental Protection: The Changing Tides of Law and Policy" contained in Donald McRae and Gordon Munro, eds. *Canadian Oceans Policy: National Strategies and the New Law of the Sea*, Vancouver, University of British Columbia Press, 1989, pp. 95-132.

¹⁰⁴ Ted L. McDorman, "Canadian Offshore Oil and Gas: Jurisdiction and Management Issues in The 1980s and Beyond", contained in McRae, *Canadian Oceans Policy*, op.cit. pp. 39-68.