

- By 1990 The two federal agencies, the U.S. Geological Survey and the National Oceanic and Atmospheric Administration, planned to complete swath mapping and assessment of the living and nonliving resources of the U.S.EEZ.
 - It is not finished.
- In 1982 the new **Law of the Sea Convention (LOSC)** was written by the United Nations
 - acknowledged the 12 mile territorial sea, making provisions for international straits and allows for 200 mile EEZ.
 - All waters beyond the EEZ's of nations are the High Seas and the seabed and subsoil beneath are called "the Area".
 - LOSC proposes that the U.N. administer the High Seas and the Area and that all nations share their ocean technologies and the wealth obtained from those technologies.

Eez Resources Technology Assessment

Kathleen Armour



Eez Resources Technology Assessment:

Ocean Resources D.A. Arduş, M.A. Champ, 2012-12-06 Today western nations consume annually only a small percentage of their resources from the sea despite the proclamation of Exclusive Economic Zones EEZ by many. In contrast most Pacific Basin Countries obtain more than a quarter of their annual needs from the ocean. Determination of greater rewards from the development of marine resources is markedly inhibited by the limited technical abilities available to locate and assess them. Knowledge of Exclusive Economic Zone resources is schematic and generalised and a detailed understanding of the geology and processes relating to the economic use of the seafloor is both fragmentary and very basic. Technology for mapping the mineral resources of continental shelves and ocean areas except in active offshore hydrocarbon provinces has been largely developed in pursuit of scientific objectives and competence to rapidly appraise economic potential is limited. Similarly the capability to characterise and evaluate the other resources of the seas is rudimentary. The development of ocean resources will become increasingly urgent as the growth of the world population and the depletion of land reserves combine to enhance demand. Also increasing environmental constraints will limit the availability of traditional land based resources nevertheless new offshore development must proceed in a manner whereby the marine environment is not plundered but protected and conserved. The challenge to develop ocean resources with responsible environmental stewardship will require greater leadership than the development of the technologies of exploitation.

Proceedings of the 1987 Exclusive Economic Zone Symposium on Mapping and Research Geological Survey (U.S.), 1988 Exclusive Economic Zone, 1984 **Proceedings of the 1987 Exclusive Economic Zone Symposium on Mapping and Research** John F. Elder, Lawrence H. Smith, Richard W. Will, Ronald Charles Severson, Hansford T. Shacklette, William B. Krohn, 1988 **U.S. Geological Survey Circular**, 1984 **New Publications of the Geological Survey** Geological Survey (U.S.), 1984 Marine Minerals United States. Congress. Office of Technology Assessment, 1987 **The Conterminous United States Mineral Appraisal Program** Ticie A. Taylor, William Wallace Patton, Elizabeth Jean Moll, Joyce A. Dey, Harley D. King, 1984 **Environmental Quality** Council on Environmental Quality (U.S.), 1984 **Symposium Proceedings**, 1984 **New Publications of the U.S. Geological Survey**, 1984 **Ocean Energy Recovery** Richard J. Seymour, 1992-01-01 This report establishes the state of the art in a full range of renewable energy technologies that harness the power of oceans. Papers discuss mature technologies such as tidal energy extraction and conjectural technologies such as salinity gradients. In addition the economics of the major systems are compared in a uniform manner making it possible to realistically assess their economic potential. This publication provides a single source of balanced technical and economic assessments of competing technologies and should interest those involved in the search for alternative sources of energy.

Tsunami Newsletter, **The Eternal Darkness** Robert D. Ballard, Will Hively, 2000 Until a few decades ago the ocean depths were almost as mysterious and inaccessible as outer space. Oceans cover two thirds of the earth's surface with an average depth of more than two miles yet

humans had never ventured more than a few hundred feet below the waves One of the great scientific and archaeological feats of our time has been finally to cast light on the eternal darkness of the deep sea This is the story of that achievement told by the man who has done more than any other to make it possible Robert Ballard Ballard discovered the wreck of the Titanic He led the teams that discovered hydrothermal vents and black smokers cracks in the ocean floor where springs of superheated water support some of the strangest life forms on the planet He was a diver on the team that explored the mid Atlantic ridge for the first time confirming the theory of plate tectonics Today using a nuclear submarine from the U S Navy he s exploring the ancient trade routes of the Mediterranean and the Black Sea for the remains of historic vessels and their cargo In this book he combines science history spectacular illustrations and first hand stories from his own expeditions in a uniquely personal account of how twentieth century explorers have pushed back the frontiers of technology to take us into the midst of a world we could once only guess at Ballard begins in 1930 with William Beebe and Otis Barton pioneers of the ocean depths who made the world s first deep sea dives in a cramped steel sphere He introduces us to Auguste and Jacques Piccard whose Bathyscaph descended in 1960 to the lowest point on the ocean floor He reviews the celebrated advances made by Jacques Cousteau He describes his own major discoveries from sea floor spreading to black smokers as well as his technical breakthroughs including the development of remote operated underwater vehicles and the revolutionary search techniques that led to the discovery and exploration of the Titanic the Nazi battleship Bismarck ancient trading vessels and other great ships Readers will come away with a richer understanding of history earth science biology and marine technology and a new appreciation for the remarkable men and women who have explored some of the most remote and fascinating places on the planet

Scientific and Technical Aerospace Reports ,1984 **Proceedings of the 1989 Exclusive Economic Zone Symposium on Mapping and Research** ,1990 **Proceedings of the 1989 Exclusive Economic Zone Symposium on Mapping and Research** Jane R. Eggleston,M. Devereux Carter,James C. Cobb,1984 1988 Annual Report on Alaska's Mineral Resources ,1988 *Hawaiian Archipelago and Johnston Island Exclusive Economic Zone, Proposed Marine Mineral Lease Sale* ,1990 U.S. Industrial Outlook ,1988

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