

- PERMLOAN Permanent Loan: Maritime Team
 NOTES Iv. (var. pag. Bibliog. Ipswich.
143. TITLE **Shoreline monitoring for the Anglian coastline 1991-1996.**
 YEAR 1996
 AUTHOR LEGGETT, D.J.
 ORGANISATION Environment Agency. Anglian Region.
 ABSTRACT Describes a five-year programme of monitoring across the region to identify change in the coastline and keep coastal data and information up to date. Key elements include beach and bathymetric profiles, aerial photography, wave and tide measurements and measurements within estuaries. (Coastal geomorphology, Essex, Lincolnshire, Norfolk, Suffolk)
 LOCATION P
 PERMLOAN Permanent Loan: Maritime Team
 NOTES Iv. (var. pag.). Peterborough.

United Kingdom

144. TITLE **Britain's marine environment: a survey of public attitudes.**
 YEAR 1992
 ORGANISATION Market and Opinion Research International (MORI), McIntyre Associates & English Nature (EN)
 ABSTRACT Contains full computer tables and overall results from a survey into public concern for marine environmental issues. (Marine nature conservation, Opinion polls, Protection of the environment, Public opinion)
 LOCATION P
 NOTES Iv. (var. pag.). London.
145. TITLE **Proceedings of the 29th MAFF conference of river and coastal engineers: 'a strategic approach'...Loughborough University of Technology...July 1994.**
 YEAR 1994
 ORGANISATION Ministry of Agriculture, Fisheries and Food (MAFF). Flood and Coastal Defence Division.
 ABSTRACT Sessions include: Coastal engineering research; Coastal engineering techniques; Coastal soft cliffs; Strategic approach to coastal engineering [1 & 2]; Coastal engineering practice [1 & 2]; Strategic approach to river engineering; Flood hydrology and hydraulics. Papers include: Full scale managed set back trial, Tollesbury, Essex (D. Richardson); Predicting long-term coastal morphology (R. Soulsby and others); Environmental benefits of soft cliff erosion, 3.1.1-3.1.14 (R. Leafe and G. Radley); Cliff stabilisation at DOWDERRY, Cornwall (C. Frith); Design and construction of the Holbeck Hall landslide coast protection and cliff stabilisation emergency works (A. Clark and S. Guest); Coast protection survey of England (J. Horne and P. Butler); Shoreline Management Plans (J. Hutchinson); South Wales coastline response study (C. Davies, B. Cooper and J. Benn); Twenty years of

- beach monitoring along the South Coast (K. Riddell and T. Ishaq); Durham coastal management plan (J. Brooke, D. Thomas and C. Paterson); The beneficial use of dredgings in the maritime environment (J. Ash); Shingle recycling (N. Pallett and G. Heald).
- DOCUMENT EN Staff Paper
LOCATION P
PERMLOAN Permanent Loan: Maritime Team
NOTES 1v. (var. pag.), London.
146. **TITLE** **A review of line strandings of cetaceans: implications for their veterinary care, rescue and rehabilitation in the UK.**
YEAR 1996
AUTHOR MAYER, S.
ORGANISATION Whale and Dolphin Conservation Society
ABSTRACT Considers the prospects for rescuing stranded whales and dolphins and the veterinary aspects of their care prior to their return to the wild. (Animal welfare, Cetacea, Marine mammals)
LOCATION P
NOTES 57p. Bibliog. No place of publication given.
147. **TITLE** **Norwich Union Coastwatch UK: 1991 Survey Report.**
YEAR 1991
AUTHOR REES, G., & POND, K.
ORGANISATION Norwich Union & Farnborough College of Technology
ABSTRACT An independent survey assessing the condition of the UK coastline. Its aims are: to raise public awareness of coastal zone issues at local, regional, national and international levels; to provide an insight into major European problems and threats to our coastline; to gather baseline data in a form which is directly comparable between counties, to aid positive steps towards coastal protection; and to aid interdisciplinary environmental education. (Coastal ecology, Marine ecology)
LOCATION P
NOTES 51p. Bibliog.
148. **TITLE** **Dangerous waters: threats to Britain's dolphins and marine wildlife.**
YEAR 1994
ORGANISATION Greenpeace
ABSTRACT Outlines the deterioration of the British marine environment and the consequences principally for dolphins. Also mentions porpoises, fish, sea birds, seals and whales. (Cetacea, Marine mammals, Marine pollution)
LOCATION P,S
NOTES 1v. (var. pag.). Bibliog. London. Date of publication guessed.
149. **TITLE** **Marine mammal bycatch on the Celtic shelf.**
YEAR 1995
AUTHOR BERROW, S. D., TREGENZA, N. J. C., & HAMMOND, P. S.

- ABSTRACT Investigates the problem of marine mammals being caught in fishing nets, concentrating on one type of fishery operating from ports in the UK and Ireland. The fishery operated offshore and used gillnets set on the sea bed. (Cetacea, *Dolphinus dolphis*, Dolphins, *Phocoena phocoena*, Porpoises).
- LOCATION P
- NOTES 1v. (var. pag.). Bibliog. No place of publication given. Date of publication guessed.
150. TITLE **A preliminary account of the management of archaeology underwater in the UK.**
- YEAR 1992
- AUTHOR FIRTH, A.
- ORGANISATION Southampton University. Faculty of Law
- ABSTRACT Intended as a model for summarising the management of archaeology in the sea, in inland waters and inter-tidal areas, but not in wetlands. (Marine archaeology)
- LOCATION P
- NOTES 26p. Bibliog. Southampton.
151. TITLE **Coast protection: company research projects and commissioned investigations in 1982 and 1983.**
- YEAR 1984
- ORGANISATION Hydraulics Research Limited. Maritime Engineering Department
- LOCATION P
- NOTES 20p. Wallingford. Date of publication guessed.
152. TITLE **Marine eutrophication in the UK: a discussion document.**
- YEAR 1995
- AUTHOR MacGARVIN, M.
- ORGANISATION World Wide Fund for Nature (WWF)
- ABSTRACT Reviews the mechanics of eutrophication, the evidence regarding nutrient levels (nitrogen and phosphates) and their effects on the continental side of the North Sea. Considers implications for the Ythan estuary and Humber - Wash system and reviews the situation of other UK estuaries and coastal sites. (Estuaries, Marine algae, Marine ecology, Water pollution)
- LOCATION P
- NOTES 23p. Bibliog. Godalming.
153. TITLE **Niche modelling of salt marsh plant species.**
- YEAR 1993
- AUTHOR CLARKE, R.T., and others
- ORGANISATION Institute of Terrestrial Ecology (ITE) & Department of Trade and Industry (DTI). Energy Technology Support Unit (ETSU)
- ABSTRACT Develops and extends to other salt marsh plant species a predictive mathematical model of the vertical range or niche, of the saltmarsh grass *Spartina anglica*. Incorporates different components of tidal submergence into such models, increasing their utility in non-sinusoidal tidal regimes such as those of a post-barrage estuary. Measures the

elevational limits of eight other species. Of these, the dominant species *Puccinellia maritima*, *Halimione portulacoides*, *Festuca rubra* and *Elymus pycnanthus*, were recorded on sufficient transects to enable a detailed analysis of niche limits in relation to tidal variables and submergence parameters. *Juncus gerardii*, *Juncus maritimus*, *Scirpus maritimus* and *Phragmites australis* were recorded along fewer transects but a preliminary analysis of their niche was made. The ability of niche models based on tidal levels and submergence parameters respectively to predict species limits is compared over a range of species and estuaries. Predictive models, in the form of regression equations, are derived for the upper and lower limits of those five species for which sufficient data were available. (Saltmarshes)

- LOCATION P
 NOTES 114p. + appendices. Bibliog. Wareham. ETSU T/04/00194/REP under Agreement No. E/5A/4125/2961
154. **TITLE** **From shore to shelf edge: coastal marine sciences research in the Natural Environment Research Council**
YEAR 1994
AUTHOR WHITFIELD, M., & MATTHEWS, J.
ORGANISATION Natural Environment Research Council (NERC)
ABSTRACT Considers the elements which contribute towards the sustainable management of UK and international coastal seas. These include strategic planning, long-term funding, the development of a sustained and coordinated programme of scientific study and the training of scientists from developing countries. A strategy is in place to develop the tools for research, through instrumentation, data management and modelling. (Marine ecology, Marine pollution, Water quality)
- LOCATION P
 NOTES 16p. Swindon. Date of publication guessed.
155. **TITLE** **The control of biofouling in marine and estuarine power stations: a collaborative research working group report for use by station designers and station managers.**
YEAR 1986
AUTHOR WHITEHOUSE, J.W., and others
ORGANISATION Central Electricity Generating Board (CEGB), and others
ABSTRACT Describes the effects of colonisation of water cooling systems by macrofouling organisms. Suggests ways of combatting marine fouling and thereby maximising the efficient operation of power stations.
- LOCATION P
 NOTES 48p. Bibliog. No place of publication given. Date of publication guessed.
156. **TITLE** **The CIRIA sea wall research project: paper for the River Engineers Conference...Cranfield, 1985.**
YEAR 1985
AUTHOR STICKLAND, I.W., & HAKEN, I.C.
ORGANISATION Construction Industry Research and Information Association (CIRIA)

- ABSTRACT Outlines project objectives, describes work carried out to date and looks at long term requirements. This first phase response recognises the need for a comprehensive survey of coastal defence structures in the UK. It aims to identify requirements and priorities and to define and implement research programmes, leading ultimately to design guidelines. (Coast protection, Coastal engineering, Sea defences)
- LOCATION P
NOTES 15p. & appendices. Peterborough.
157. TITLE **The environmental effects of tidal energy.**
YEAR 1990
AUTHOR MUIRHEAD, S.J.
ORGANISATION Department of Energy. Energy Technology Support Unit (ETSU)
ABSTRACT Describes the operation of tidal energy barrages and the environmental assessment process. Contains sections on hydrodynamics, sediments, water quality, phytoplankton, fish and birds, concentrating on ecological effects within the estuarine system. (Estuaries, Tidal power)
- LOCATION P(2)
NOTES iv. (var. pag.). Harwell. ETSU-L-31.
158. TITLE **Ecological and environmental change at the land-sea boundary: abstracts and list of delegates.**
YEAR 1991
ORGANISATION Polytechnic South West and others.
ABSTRACT Meeting organised by Polytechnic South West and Plymouth Marine Laboratory on behalf of the British Ecological Society and the Remote Sensing Society. Contains abstracts of papers presented at the meeting. (Coast protection, Coastal ecology, Coastal management, Marine ecology)
- LOCATION P
NOTES iv. (var. pag.). Plymouth
159. TITLE **Understanding ocean circulation: UK WOCE: the first six years.**
YEAR 1997
AUTHOR POLLARD, R.T., & SMYTHE-WRIGHT, D., eds.
ORGANISATION Natural Environment Research Council (NERC)
ABSTRACT The objectives of the World Ocean Circulation Experiment (WOCE) are to develop ocean circulation models and collect a probal data set with which to test them over a 12 year period. This report considers the UK's contribution, summarising the main results and highlighting significant findings. Contents include: fluxes, ventilation, temporal change, thermohaline circulation, the southern ocean, eddies and technology. (Oceanography)
- LOCATION P
NOTES 32p. Bibliog. No place of publication given.
160. TITLE **Working for a safer and cleaner environment.**
YEAR 1994
ORGANISATION MEPA (UK) for Sea Safety Group (Environment) Ltd.

- ABSTRACT Describes MEPA (Marine Environmental Protection Association), its aims, structure and membership. (Marine pollution)
- LOCATION P
- NOTES iv. (var. pag.). Camborne.
161. TITLE **Flood and coastal defence research and development: implementation strategy, 1994-1998.**
- YEAR 1995
- ORGANISATION Ministry of Agriculture, Fisheries and Food (MAFF)
- ABSTRACT Develops the commitments given in the 1993 Strategy for Flood and Coastal Defence in England and Wales and extends the rationale, objectives and implementation programme set out in the Flood and Coastal Defence section of the annual MAFF Environment Research Strategy and Requirements document. Outlines plans for implementing a research programme based on the report of the Advisory Committee on Flood and Coastal Defence Research and Development, and takes account of subsequent developments. Sets out the direction of research funded by the Ministry for the information of other research funding organisations, current and potential research contractors and those involved in the design and management of flood and coastal defences. Also intended to inform the deliberations of the next Independent Advisory Committee for Flood and Coastal Defence Research and Development. (Coast protection, Flood protection)
- LOCATION P
- NOTES ii. 41p. London.
162. TITLE **Review of coastal management plans in England and Wales and the powers supporting them, *Development below low water mark and Managing the Coast*, response to the Consultation Papers issued by the Department of the Environment and the Welsh Office, October 1993.**
- YEAR 1994
- ORGANISATION Royal Society for Nature Conservation (RSNC). The Wildlife Trusts Partnership.
- ABSTRACT Coast protection, Coastal management, Protection of the environment, Sustainability.
- LOCATION P
- NOTES iv. (var. pag.). Lincoln.
163. TITLE **The effectiveness of groyne systems.**
- YEAR 1985
- AUTHOR HOLMES, P.
- ORGANISATION Construction Industry Research and Information Association (CIRIA)
- ABSTRACT Paper presented at the Cranfield River Engineers Conference, 1985. Reviews the progress made in the CIRIA research project RP310, "Effectiveness of groyne systems", which aims to improve understanding of and design capability for groyne systems. (Coast protection, Coastal engineering, Sea defences)
- LOCATION P
- NOTES 11p. + appendices. London.

164. TITLE **Foreshore fishing for shellfish and bait.**
 YEAR 1992
 AUTHOR HUGGETT, D.
 ORGANISATION Royal Society for the Protection of Birds (RSPB)
 ABSTRACT Investigates the threat posed to estuaries by bait digging and cockling, including environmental damage, removal of bird food resource and habitat loss. Considers legal and biological aspects and foreshore fisheries impacts.
 LOCATION P(2)
 NOTES 54p. Bibliog. No place of publication given.
165. TITLE **Working papers in coastal zone management No. 11: Planning in the coastal zone: development plans and the interpretation of the coastal zone.**
 YEAR 1994
 AUTHOR TAUSSI, J.
 ORGANISATION Portsmouth University. Centre for Coastal Zone Management.
 ABSTRACT Examines how local planning authorities (LPAs) define their coastal zone. The scope is limited to the statutory plan context. Includes the following: description of the background study and survey; establishes the need for a planning definition of the coastal zone; discusses the extent of the coastal zone in general terms and as defined by LPAs; identifies the criteria used by LPAs in defining the coastal zone; examines whether a coastal zone or series of coastal zones for planning is more appropriate. Concludes that: the coastal zone must be defined in a way that includes the three coastal elements of: the land; the inter-tidal zone; and the sea, and two types of coastal zone should be identified: a more general "coastal zone" providing a focus for understanding and discussion; a series of specific "coastal policy zones" related to particular policy topics and identified on proposals maps. (Coastal management).
 LOCATION P
 NOTES 23p. Bibliog. Portsmouth.
166. TITLE **Coastal zone management: the new agenda; proceedings of the 5th national conference, 1996...London.**
 YEAR 1997
 AUTHOR EARLL, R., & KING, G.A.
 ORGANISATION National Coasts and Estuaries Advisory Group
 ABSTRACT Focuses on the integration of coastal zone management plans and projects at Local Authority level and includes the following paper: The perspective of English Nature on the conference, 29-30 (G. Radley) (Coastal management)
 DOCUMENT EN Staff Paper

- LOCATION P
NOTES 38p. Kempsey (Glos.).
167. TITLE **Working papers in coastal zone management No 7: the role of voluntary organisations in coastal zone management: England and Wales.**
- YEAR 1993
AUTHOR EDWARDS, S.
ORGANISATION Portsmouth University. Centre for Coastal Zone Management
ABSTRACT Sets out to examine the role played by voluntary organisations in England and Wales in the management of coastal resources, identifying the key voluntary bodies and assessing the contribution they make to coastal zone management. (Coast protection, Coastal management)
- LOCATION P
NOTES 27p. Bibliog. Portsmouth
168. TITLE **Working papers in coastal zone management No. 6: the management of British coastal environments: lessons from Cardiff Bay.**
- YEAR 1993
AUTHOR EDWARDS, S., & NOWELL, D.
ORGANISATION Portsmouth University. Centre for Coastal Zone Management
ABSTRACT Reflects on some of the guiding principles of British environmental management in light of the Cardiff Bay Barrage proposal. Whilst enhancing the scenic value of the waterfront, the Barrage may fundamentally alter the nature of the Taff/Ely Estuary SSSI. (Coast protection, Coastal management, Protection of the environment)
- LOCATION P
NOTES 6p. Bibliog. Portsmouth.
169. TITLE **Working papers in coastal zone management No. 10: the role of corporations in managing environmental quality offshore.**
- YEAR 1993
AUTHOR PICKERING, H.
ORGANISATION Portsmouth University. Centre for Coastal Zone Management
ABSTRACT States that the role of corporate organisational behaviour needs to be positively accounted for in the management of environmental interactions offshore. It is not sufficient to believe that the formulation of legislation, regulations and government guidance with the support of inspectors and surveillance programmes is the be all and end all of environmental management in marine areas. The operational tasks of management are undertaken by a large and varied group of corporate, contractor and sub-contractor employees who need know nothing of the legislation under which they are working and whose activities depend on corporate management systems. The academic concepts and practice of environmental management have previously failed to acknowledge and cater for corporate organisational behaviour. This paper aims to address this serious omission. (Oil development, Oil pollution)

- LOCATION P
NOTES Iv. (var. pag.). Bibliog. Portsmouth.
170. TITLE **Advice on the status of British common seal populations: 1996.**
YEAR 1996
ORGANISATION Natural Environment Research Council (NERC). Sea Mammal Research Unit
ABSTRACT Contains NERC's advice on the current size and status of the British common seal populations. (*Phoca vitulina*)
LOCATION P
PERMLOAN Permanent Loan: Maritime Team (Paul Knapman)
NOTES Iv. (var. pag.). Bibliog. No place of publication given.
171. TITLE **Proceedings of the 31st MAFF conference of river and coastal engineers [held at] Keele University...July, 1996.**
YEAR 1996
ORGANISATION Ministry of Agriculture, Fisheries and Food (MAFF). Flood and Coastal Defence Division
ABSTRACT Sessions include: Environmental river management and water level management plans; flood management and climate change; economics of flood defence; estuary planning and management; future directions for shoreline management planning; tools for shoreline management planning; beach management; beach control structures. Individual papers include: evaluation of the River Wey restoration project using the physical habitat simulation (PHABSIM) model (M. Acreman, C. Elliott and I. Gowing); design of environmentally acceptable river channels (D. Ramsbottom and K. Fisher); national data for environmental modelling (D. Holland); the economics of conservation in flood and coastal defence planning (M. Postle, A. Swash and P. Barham); Essex shoreline management plan (J. Pos and others); saltmarsh management for coastal defence in Schleswig-Holstein, Germany (J. Hofstede); the establishment of salt marsh vegetation on agricultural land following marine inundation (L. Boorman, R.A. Garbutt and D. Barrett); shoreline management plans: thoughts for the future based upon practical experience (K. Burgess and P. Frew); beyond shoreline management plans (S. Young and M. West); developing a no net loss policy for coastal wetlands (D. Huggett); environmental concerns in the regulation of dredging and disposal in the marine environment (L. Murray); Lincshore beach management system (M. Zwiers, D. Dales and H. Lunt). (River engineering, Sea defences)
LOCATION P
NOTES Iv. (var. pag.). Bibliog. London.
172. TITLE **Port development and nature conservation: supply and demand in the GB ports industry.**
YEAR 1997
AUTHOR HUGGETT, D.
ORGANISATION Royal Society for the Protection of Birds (RSPB) & MDS Transmodal
ABSTRACT Whilst there is pressure on important wildlife sites from ports wishing to expand, not all current capacity is fully utilised. This report seeks to

- establish: the existing capacity of the ports industry for different types of trade; trends in ship size for different trades; trends in growth of different types of trade. Also seeks to estimate whether current capacity, accounting for increased ship size, can meet predicted future trade. (Coastal developments, Protection of the environment)
- LOCATION P(2),S,B
 PERMLOAN Permanent Loan: One of P's copies held by Maritime Team
 NOTES 83p. Bibliog. Sandy.
173. TITLE **Working papers in coastal zone management No. 9: an economic perspective on issues of recreation and conservation in coastal zone planning and management.**
- YEAR 1993
 AUTHOR HOBSON, J.
 ORGANISATION Portsmouth University. Centre for Coastal Zone Management
 ABSTRACT Seeks to introduce a number of contributions that can be made by economic analysis to coastal zone planning and management. It is argued that the perspectives offered by economists are important as they essentially address the central issues of resource allocation and conflict resolution that lie at the heart of coastal zone management. By focusing on issues of recreation and conservation, consideration is given to the question of unpriced resources in the coastal zone and the reasons why valuation of these resources is necessary. Stresses the need for clear and consistent explanations by economists of what is being considered when valuation is undertaken, as society cannot allow the possibility of a misallocation of resources that may otherwise result. Also argues that there is plenty of scope within the United Kingdom's coastal zone for the practical application of the economic analysis outlined. A comprehensive consideration of the insights offered by economics is required if effective coastal zone management is to be realised. (Coast protection, Coastal developments, Coastal management, Environmental economics)
- LOCATION P
 NOTES 19p. Bibliog. Portsmouth.
174. TITLE **Working papers in coastal zone management No. 8: the town and country planning system in the coastal zone: England and Wales.**
- YEAR 1993
 AUTHOR TAUSSIK, J.
 ORGANISATION Portsmouth University. Centre for Coastal Zone Management
 ABSTRACT Aims to provide those who make decisions affecting land and property in the coastal zone with an overview of the planning system in England and Wales and of planning policies particularly pertinent to that area. It provides more detail to the relevant section of an earlier Working Paper and examines the implications of planning and related designations on the rights of owners and occupiers of land and property. Summaries of Government planning policies related to the coast are set out. It is intended that the discussion of the system and the policy context be descriptive rather than critical. (Coast protection, Coastal management)

- LOCATION P
NOTES 81p. Bibliog. Portsmouth
175. TITLE **Advice on the status of British grey seal populations.**
YEAR 1995
ORGANISATION Natural Environment Research Council (NERC). Sea Mammal Research Unit
ABSTRACT Halichoerus grypus
LOCATION P
NOTES IN CONFIDENCE. 1v. (var. pag.). Bibliog. Cambridge.
176. TITLE **Experiments on the use of sound as a fish deterrent.**
YEAR 1993
AUTHOR TURNPENNY, A.W.H.
ORGANISATION Fawley Aquatic Research Laboratories Ltd., & Department of Trade and Industry (DTI). Energy Technology Support Unit (ETSU)
ABSTRACT Aims to assess the effectiveness of underwater sound signals in repelling fish from areas of water at power stations or other water intakes on coasts or estuaries. Considers trials of two candidate systems, an empirical signal development process and a novel signal development process.
LOCATION P
NOTES 29p. + appendices. Bibliog. No place of publication given. ETSU T/04/00171/REP
177. TITLE **Estuaries: the case for research into morphology and processes.**
YEAR 1997
AUTHOR SOULSBY, R.L.
ORGANISATION HR Wallingford, and others
ABSTRACT Aims to: investigate the possible lines of research and/or development towards the goal of developing techniques to predict large scale, long term morphological changes and the resulting sediment related impacts within estuaries (including water quality aspects) and assess their consequences for estuarine management. Also aims to : investigate and report on possible lines of research to: quantify the external forcing factors including ecological and physical factors; identify the important internal processes responsible for estuary change, physical, biological, chemical and anthropogenic; identify the impact of changes on the estuary environment, including the impact of contaminants; identify the potential benefits of the proposed research or development, including improved approaches to design for flood defence and other estuarine structures. (Coastal geomorphology)
LOCATION P
PERMLOAN Permanent Loan: Maritime Team
NOTES vii. 19p. Bibliog. Wallingford. Report No. SR478
178. TITLE **BACMI review of the year 1996.**
YEAR 1997
ORGANISATION British Aggregate Construction Materials (BACMI)

- ABSTRACT BACMI is the trade federation for companies involved in supplying crushed rock and sand and gravel from land and marine sources, ready-mixed concrete, asphalt and flexible paving, agricultural and industrial lime, slag, construction materials plant and recycled materials. It is an authoritative source of information on matters relating to the industry's activities. (Sand and gravel extraction)
- LOCATION P
- PERMLOAN Permanent Loan: Maritime Team
- NOTES 16p. No place of publication given.
179. TITLE **National collation of the results of the 1989 Aggregate Minerals Survey.**
- YEAR 1991
- ORGANISATION Department of the Environment (DOE)
- ABSTRACT Represents a collation of 1989 data on reserves, sales and distribution of aggregates in England and Wales which was collected from minerals producers in a survey carried out by the Regional Aggregates Working Parties. This is the second report produced by the DOE as part of the exercise to review the Guidelines for Aggregates Provision in England and Wales. (Sand and gravel extraction)
- LOCATION P
- PERMLOAN Permanent Loan: Maritime Team
- NOTES 52p. No place of publication given.
180. TITLE **Environmental sedimentology: the interaction of water, sediment and waste...lecture course...University of Reading...April 1994**
- YEAR 1994
- ORGANISATION Reading University. Postgraduate Research Institute for Sedimentology
- ABSTRACT Includes the following papers: Sediment sources and sinks around the coast of Britain: implications for coastal zone management and planning (K. Pye); Managing managed retreat (J. Pethick); Coastal management and offshore aggregate abstraction: South Coast UK (M. Collins); Provision of suitable materials for beach recharge from near-coastal sources (R. Arthurton). Other sections cover groundwater management, surface water quality and waste disposal. (Coastal geomorphology)
- LOCATION P
- PERMLOAN Permanent Loan: Maritime Team
- NOTES 1v. (var. pag.). Bibliog. Reading.
181. TITLE **Environment and resources: questions, answers, solutions.**
- YEAR 1994
- ORGANISATION Natural Environment Research Council (NERC)
- ABSTRACT Briefly describes the NERC, its integrated approach, capabilities and experience and provides examples of practical problem solving in a number of different areas. Includes a list of contact points and those services and scientific institutes located throughout the UK which NERC supports. (Environmental research, Protection of the environment)
- LOCATION P

- PERMLOAN Permanent Loan: Maritime Team
NOTES 33p. Swindon. Date of publication guessed.
182. TITLE **A review of the overall approach to the planning for the supply of aggregates: identification of alternative approaches; third interim report.**
- YEAR 1997
- ORGANISATION Ecotec Research and Consulting Limited & Land Use Consultants (LUC) & Department of the Environment, Transport and the Regions (DETR)
- ABSTRACT Presents a set of options for change to the overall approach to the planning for the supply of aggregates. Aims to introduce the options, their rationale and the potential questions raised for their subsequent evaluation. They include: a market led approach; strategic resource assessment; demand forecasts. Also discusses the possible introduction of measures complementary to the planning system and supportive of the planning objectives. (Sand and gravel extraction)
- LOCATION P
- PERMLOAN Permanent Loan: Maritime Team
NOTES 1v. (var. pag.). Birmingham.
183. TITLE **The second annual estuary management workshop: workshop proceedings...February, 1995.**
- YEAR 1995
- ORGANISATION Hull University. Institute of Estuarine and Coastal Studies
- ABSTRACT Includes the following: Estuaries from a user's perspective (I.H. Townend); Water quality workshop (T. Edwards and M. Elliott); Conservation workshop, 17-22 (R. Leafe); Flood defence workshop (M. Lee). (Habitats and Species Directive)
- DOCUMENT EN Staff Paper
- LOCATION P
- PERMLOAN Permanent Loan: Maritime Team
NOTES 28p. Bibliog. Hull.
184. TITLE **Soft cliffs: prediction of recession rates and erosion control techniques; literature review and project definition study.**
- YEAR 1996
- ORGANISATION Rendel Geotechnics, HR Wallingford & Ministry of Agriculture, Fisheries and Food (MAFF). Flood & Coastal Defence Division
- ABSTRACT Reports on a review of relevant scientific literature from Great Britain and overseas and on consultations with coast protection authorities, conservation agencies and consulting engineers aimed at establishing: the current practice for predicting cliff recession rates; the demand for improved prediction methods; current approaches to monitoring, measuring and recording beach and cliff recession processes; the extent to which various coast protection and cliff management practices have been used and their effectiveness; the considerations relevant to the selection of the most appropriate management techniques, especially environmental issues. Key topics considered include: the policy context and environmental aspects; the impact of coastal erosion; cliff

recession mechanisms and rates; factors influencing cliff recession potential; methods of predicting cliff recession and landslide hazard; methods of monitoring and measurement and their effectiveness; review of risk assessment techniques with potential application for predicting coastal erosion; interactions between cliff and beach management practices; options for erosion control and cliff management and their effectiveness; acceptable control techniques for cliffs of conservation importance. (Bibliographies, Coastal geomorphology, Coastal management)

LOCATION
PERMLOAN
NOTES

P
Permanent Loan: Maritime Team
ii, 181p. Bibliog. Birmingham. Report No. H898/2

185. TITLE **A manual for the investigation and management of soft rock cliffs.**
YEAR 1997
AUTHOR LEE, E.M.

ORGANISATION Rendel Geotechnics, HR Wallingford & Ministry of Agriculture, Fisheries and Food (MAFF). Flood and Coastal Defence Division

ABSTRACT Provides a non-technical summary of the Technical Report. The investigation and management of soft rock cliffs in England and Wales sets out guidance to coastal engineers and planners on how eroding cliffs can best be managed, stressing the need to consider both structural and non-structural solutions to cliff recession problems. Also presents the investigation approaches, measurement and monitoring techniques and prediction methods available for obtaining the necessary cliff recession information to support the different stages of the decision making process. (Coastal geomorphology, Coastal management)

LOCATION
PERMLOAN
NOTES

P
Permanent Loan: Maritime Team
vi, 92p. Bibliog. Birmingham. Contract No. CSA 2681

186. TITLE **The investigation and management of soft rock cliffs in England and Wales.**
YEAR 1996
AUTHOR LEE, E.M.

ORGANISATION Rendel Geotechnics, HR Wallingford & Ministry of Agriculture, Fisheries and Food (MAFF). Flood and Coastal Defence Division.

ABSTRACT Sets out state-of-the-art guidance to coastal engineers and planners on how eroding cliffs can best be managed, stressing the need to consider both structural and non-structural solutions to cliff recession problems. Also presents the investigation approaches, measurement and monitoring techniques and prediction methods available for obtaining the necessary cliff recession information to support different stages of the decision making process. A non-technical summary of this report has been published as *A manual for the investigation and management of soft rock cliffs*. (Coastal geomorphology, Coastal management)

LOCATION
PERMLOAN
NOTES

P
Permanent Loan: Maritime Team
xiii. 236p. Bibliogs. Birmingham. Contract No. CSA 2681.
Date of publication guessed.

187. TITLE **Soft rock cliffs: prediction of recession rates and erosion control techniques; working reports.**
YEAR 1995
ORGANISATION Rendel Geotechnics, HR Wallingford & Ministry of Agriculture, Fisheries and Food (MAFF). Flood and Coastal Defence Division
ABSTRACT Working reports 1 and 2 have no individual titles. Titles of subsequent working reports are: 3. Cliff behaviour; 4. Measurement and monitoring; 5. Prediction of cliff recession; 6. Erosion control techniques; 7. Conservation; 8. Economic appraisal. (Coastal geomorphology, Coastal management, Environmental economics, Geological conservation, Nature conservation)
LOCATION P
PERMLOAN Permanent Loan: Maritime Team
NOTES 8v. Glossary. Birmingham. Report No. H898/WR1-8
188. TITLE **Establishing the value of environmental data products: a guide to present practice in coastal zone management. Version 3.**
YEAR 1997
AUTHOR MILLARD, K., and others
ORGANISATION HR Wallingford, and others
ABSTRACT The ENVALOAT (Customer Valuation of Environmental Data) project sets out to look at the methodologies that are in place for establishing the value of environmental data, with the objective of providing tools that non-specialists can use for assessing data worth in financial terms. This document gives a background to the project, and an overview of components of the data market that exists to meet the information requirements of the coastal management community. It examines both the supply and demand components of the market, together with pricing structure, focusing on a number of case study data sets. (Information management)
LOCATION P
PERMLOAN Permanent Loan: Maritime Team
NOTES v. 25p. Bibliog. Wallingford
189. TITLE **Ministry of Agriculture, Fisheries and Food. Flood Defence Division: research and development annual report 1993-1994.**
YEAR 1994
ORGANISATION Ministry of Agriculture, Fisheries and Food (MAFF). Flood Defence Division
ABSTRACT Flood protection, Sea defences
LOCATION P
PERMLOAN Permanent Loan: Maritime Team
NOTES 1v. (var. pag.). London.
190. TITLE **Flood defence and coast protection: research and development strategy 1991-1993.**
YEAR 1990
ORGANISATION Ministry of Agriculture, Fisheries and Food (MAFF). Flood Defence Division
ABSTRACT Flood protection, Sea defences

- LOCATION P
 PERMLOAN Permanent Loan: Maritime Team
 NOTES 1v. (var. pag.). London. Place of publication guessed.
191. TITLE **A review of the first round of Shoreline Management Plans in England and Wales.**
 YEAR 1996
 AUTHOR FLETCHER, S.
 ORGANISATION Ministry of Agriculture, Fisheries and Food (MAFF). Shoreline Management Plan Advisory Group
 ABSTRACT Reviews the progress of 12 Shoreline Management Plans (SMP) by means of questionnaire analysis, with reference to MAFF guidelines and with a view to identifying areas of difficulty or success. (Coastal management)
 LOCATION P
 PERMLOAN Permanent Loan: Maritime Team
 NOTES 1v. (var. pag.). No place of publication given.
192. TITLE **Shoreline Management Plans: a review of consultant procurement procedure.**
 YEAR 1996
 AUTHOR FLETCHER, S.
 ORGANISATION Ministry of Agriculture, Fisheries and Food (MAFF). Shoreline Management Plan Advisory Group
 ABSTRACT Aims to review the content of Shoreline Management Plans (SMP) study briefs and make recommendations for future briefs. Seeks to identify key considerations for compilers of briefs for the procurement of consultancy services for SMP studies. (Coastal management)
 LOCATION P
 PERMLOAN Permanent Loan: Maritime Team
 NOTES 1v. (var. pag.). No place of publication given.
193. TITLE **Planning and development: applied earth science background, Torbay.**
 YEAR 1988
 AUTHOR DOORNKAMP, J.C., ed.
 ORGANISATION Department of the Environment (DOE) & Geomorphological Services Ltd.
 ABSTRACT Aims to provide information needed to guide land-use planning and development decisions in the Torbay area of Devon. Ground elements of material concern are: cavernous Devonian limestone; variably weathered slates; mudstones and tuffs; areas of soft ground; areas of erosion and landsliding; slopes in excess of 1:5; sites of former mineral workings and made ground. (Geomorphology, Geology)
 ISBN 1871283000
 LOCATION P
 PERMLOAN Permanent Loan: Maritime Team
 NOTES viii, 109p. Glossary. Bibliog. In folder with 10 maps. Newport Pagnell.

194. TITLE **Non-aggregate marine materials for beach recharge - Stage 1.**
YEAR 1992
ORGANISATION Construction Industry Research and Information Association (CIRIA),
Crown Estate, & National Rivers Authority (NRA)
ABSTRACT Examines the potential for the use of non-aggregate marine material for
beach recharge. Non-aggregate material is defined as that not used by
the construction industry because of its properties, or because it is not
available to the construction industry. Issues covered include potential
locations for beach recharge schemes in the UK; the availability of
non-aggregate marine material; factors affecting the performance of
recharged beaches; legislation; economics; environmental
considerations and beach design. (Coast protection, Coastal
engineering)
LOCATION P
PERMLOAN Permanent Loan: Maritime Team
NOTES 84p. London. CIRIA Research Project 444.
195. TITLE **Protecting our coastlines: seminar...October, 1993...Great
Yarmouth.**
YEAR 1993
ORGANISATION Association of District Councils (ADC)
ABSTRACT Papers include: English Nature's "Campaign for a living coast":
summary (G. Radley); Coastal defence and the environment
(J.Pethick); Managed retreat on eroding coasts: environmental
considerations (J. Brooke and R.S. Thomas). (Coastal engineering)
DOCUMENT EN Staff Paper
LOCATION P
PERMLOAN Permanent Loan: Maritime Team
NOTES Loose papers in plastic sleeve.
196. TITLE **Flood defence and coast protection: research and development;
annual report 1991-92.**
YEAR 1992
AUTHOR PURNELL, R.
ORGANISATION Ministry of Agriculture, Fisheries and Food (MAFF). Flood Defence
Division
ABSTRACT Provides details of progress made on the following projects: coastal
engineering; river engineering; economic issues. Also lists some
publications containing detailed results. (Coast protection, Flood
protection)
LOCATION P
PERMLOAN Permanent Loan: Maritime Team
NOTES iii. 49p. Bibliogs. London.
197. TITLE **Flood and coastal defence: research and development; annual
report 1996-1997.**
YEAR 1997
AUTHOR PURNELL, R.
ORGANISATION Ministry of Agriculture, Fisheries and Food (MAFF). Flood and
Coastal Defence with Emergencies Division

- ABSTRACT Provides details of progress made on the following projects: coastal engineering; river engineering; cross-sectoral. Also lists some publications containing detailed results and contains contact addresses for research contractors. (Coast protection, Flood protection)
- LOCATION P
- PERMLOAN Permanent Loan: Maritime Team
- NOTES 1v. (var. pag.). Bibliogs. London.
198. TITLE **An analysis of marine-related activities in the UK economy and supporting science and technology.**
- YEAR 1996
- AUTHOR PUGH, D., & SKINNER, L.
- ORGANISATION Inter-Agency Committee on Marine Science and Technology (IACMST)
- ABSTRACT Estimates the levels of marine related activities within the UK economy and compares them with the related levels of research and development activity. The primary purpose is to provide a context in which to place research and research funding priorities.
- SERIES IACMST Information Document No. 5
- LOCATION P
- PERMLOAN Permanent Loan: Maritime Team
- NOTES 52p. Southampton.
199. TITLE **Ports and the environment seminar...December 1995: Linnean Society, London.**
- YEAR 1995
- ORGANISATION Posford Duvivier Environment
- ABSTRACT Sessions include: Legislation and planning issues; Dredging; Waste management; Port's [sic] environmental management experiences. Papers include: Planning dredging and disposal to accommodate environmental needs (J. Brooke); Dredging and disposal - the British situation (N.S. Gilbert); Dutch guidelines on contaminated dredged material (T. Vellinga); New developments in the London Dumping Convention and the MARPOL Convention (J. Gibson). (Dredging, Waste disposal)
- LOCATION P
- PERMLOAN Permanent Loan: Maritime Team
- NOTES A4 folder containing selected papers only. Peterborough.
200. TITLE **Dredged material disposal - problems and solutions...April 1994...Institution of Civil Engineers, London.**
- YEAR 1994
- ORGANISATION Institution of Civil Engineers & Central Dredging Association
- ABSTRACT Sessions include: Regulatory framework and licensing. Papers include: Environmental considerations in licensing procedures (L.A. Murray); Environmental assessment as a management tool (R. Constandurous). (Dredging, Waste disposal)
- LOCATION P
- PERMLOAN Permanent Loan: Maritime Team
- NOTES 2v. London.

201. **TITLE** **MAFF conference of river and coastal engineers, Loughborough University...July 1992: papers to be presented.**
- YEAR** 1992
- ORGANISATION** Ministry of Agriculture, Fisheries and Food (MAFF). Flood Defence Division
- ABSTRACT** Sessions include: Non-aggregate marine materials for beach recharge; Coastal planning; Evaluation of coastal schemes; Flood and coastal defence research and development: priorities for the 1990s; Environmental considerations; New approaches to river engineering; Environmental impact of flood alleviation; Tunnelling for flood defence. Papers include: Coastal planning management: responses to coastal hazards (M. Lee); Realistic options for coastal retreat, 3.3.1-3.3.9 (R. Leafe); Some environmental effects of coastal structures to be considered during EA (environmental assessment) (C. Orbell-Durrant); Project development: an Anglian view (R. Runcie and P. Barham); Environmental impact of flood alleviation schemes (R. D. Hey); Environmental impact of weed cutting regimes (S. Runham); Evaluation of river maintenance (J. Morris and D.C. Sutherland). Coastal engineering, Sea defences)
- DOCUMENT LOCATION** EN Staff Paper
- PERMLOAN** P
- NOTES** Permanent Loan: Maritime Team
- 1v. (var. pag.). No place of publication given.
202. **TITLE** **Beach management: a one day seminar...June 1995 at HR Wallingford.**
- YEAR** 1995
- ORGANISATION** HR Wallingford
- ABSTRACT** Synopses of presentations include: How much is climate change changing our beaches (A. Brampton); Sustainable beach management - an environmental viewpoint (R. Leafe); Beach materials and management (J. Payne, S. John and B. Humphreys); Beach restored, Elmer, West Sussex (R. Spencer); Holderness - the Achilles Heel? (J. Pethick). (Coast protection, Coastal geomorphology)
- DOCUMENT LOCATION** EN Staff Paper
- PERMLOAN** P
- NOTES** Permanent Loan: Maritime Team
- Papers and leaflets in ring binder.
203. **TITLE** **Societal trends and their impact on the coastal zone and adjacent seas.**
- YEAR** 1996
- AUTHOR** COOK, P.J.
- ORGANISATION** British Geological Survey (BGS)
- ABSTRACT** Discusses the consequences of the development of coastal megacities, coastal and marine pollution and the exploitation of coastal and marine resources. (Coastal management)
- LOCATION** P
- NOTES** 12p. Nottingham. Technical Report WQ/96/3