

# Publications

## DENR and Coast Protection Board

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The following publications are those prepared by the Coast Protection Board, the Coastal Protection Branch of the Department of Environment and Natural Resources, and the Coast and Marine Conservation Branch of the Department of Environment and Natural Resources.

The views expressed in the following publications are not necessarily the views of the Coast Protection Board or the Department of Environment and Natural Resources.

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## Coastal Conservation

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### General

COAST PROTECTION BOARD (1973) The Ecology of the Coastal Zone, Coastline No. 2, Dec 1973.

COAST PROTECTION BOARD (1981) Beach/Dune, Coastline No. 13, June 1981.

COAST PROTECTION BOARD (1982) Sand Dune Rehabilitation, Coastline No. 18, June 1982, Reprinted with revisions July 1988.

CULLEN P & BIRD E (1980) The Management of Coastal Sand Dunes in South Australia, Prepared for the Coast Protection Board, June 1980 (4.5Mb PDF)

## Coastal vegetation

Coastcare Community Handbook (pdf can be emailed).

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BURTON TE (1984) Monitoring System for the Mangroves, Coast Protection Board Technical Report No. 84/4, Dec 1984.

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FOTHERINGHAM DG (1987) Planting Guide for Spilsby Island, Coast Protection Board Technical Report No. 87/4, Nov 1987.

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## Coastal Geomorphology

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SHORT AD & FOTHERINGHAM DG (1986) Morphodynamic, Hazard and Development Impact Assessment of the Kangaroo Island Coast Protection District, Prepared for the Coast Protection Board, March 1986.

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SHORT AD & HESP PA (1984) Beach and Dune Morphodynamics of the South East Coast of South Australia, Coastal Studies Unit Technical Report No. 84/1, University of Sydney, Sept 1984.

## Coast Protection from Erosion and Tidal Flooding

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### Publications on the Coast Protection Act

COAST PROTECTION ACT REVIEW COMMITTEE (1992) Review of South Australia Coast Protection Act 1972, Green Paper, Report of Ministerial Review Committee for the Coast Protection Board, May 1992.

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### Adelaide Coast Protection District

B C TONKIN & ASSOCIATES (1983) Coastal Management Strategies for West Beach Trust Property, Prepared for the Coast Protection Board and the West Beach Trust, March 1983.

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COAST PROTECTION BOARD (1974) Metropolitan Coast Protection District Study Report, Coastline No. 3, 1974.

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DEPARTMENT FOR ENVIRONMENT AND HERITAGE (2005) Adelaide's Living Beaches Technical Report, prepared by the Coastal Protection Branch for the Coast Protection Board, Adelaide (pdf can be emailed).

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P A MANAGEMENT CONSULTANTS & GUTTERIDGE HASKINS & DAVEY (1973) Proposal for Metropolitan Coast Protection District Management Plan, Prepared for the Coast Protection Board, April 1973.

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#### **Eyre Coast Protection District**

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#### **Yorke Coast Protection District**

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### **Fleurieu Coast Protection District**

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LLEWELYN-DAVIES KINHILL, PA CONSULTING SERVICES, AND KINNAIRD HILL deREHAN & YOUNG (1977) Fleurieu Coast Protection District Study Report, Prepared for the Coast Protection Board, Dec 1977.

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### **South East Coast Protection District**

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MAVRINAC G (1984) Cape Jaffa Erosion Study, Coast Protection Board Technical Report No. 84/3, Dec 1984.

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PENNEY SW & ELLIS D (1984) Foreshore Erosion at Southend, Coast Protection Board Technical Report No. 84/1, July 1984.

STEINLE K (1982) Kingston SE Coast - Landscape Appraisal and Management Alternatives, Coast Protection Board Technical Report No. 82/4, June 1982.

URBAN AND ENVIRONMENTAL PLANNING GROUP (1982) South East Coast Protection District Study Report, Prepared for the Coast Protection Board, May 1982 (pdf can be emailed).

### **Kangaroo Island Coast Protection District**

COAST PROTECTION BOARD (1988) Kangaroo Island Coast Protection District Management Plan, 1988.

EDWARDS G (1987) Kangaroo Island Coast Protection District Study Report, Prepared for the Coast Protection Board, May 1987 (pdf can be emailed).

SOCIAL & ECOLOGICAL ASSESSMENT (1986) Flora and Fauna of the Kangaroo Island Coast, Prepared for the Coast Protection Board, Feb 1986 (pdf can be emailed).

## **Coast Protection Board Annual Reports**

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COAST PROTECTION BOARD Annual Reports, each year from 1972-73:

Coast Protection Board Annual Report 2008/09 (pdf can be emailed)

Coast Protection Board Annual Report 2007/08 (pdf can be emailed)

Coast Protection Board Annual Report 2006/07 (pdf can be emailed)

Coast Protection Board Annual Report 2005/06 (pdf can be emailed)

Coast Protection Board Annual Report 2004/05 (pdf can be emailed)

Coast Protection Board Annual Report 2003/04 (pdf can be emailed)

Coast Protection Board Annual Report 2002/03 (pdf can be emailed)

Coast Protection Board Annual Report 2001/02 (pdf can be emailed)

Coast Protection Board Annual Report 1999/2000 (pdf can be emailed)

Coast Protection Board Annual Report 1998/99 (pdf can be emailed)

Coast Protection Board Annual Report 1997/98 (pdf can be emailed)

## Policies

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Coast Protection Board Policy Document 2002 (pdf can be emailed)

A policy titled Coast Protection and New Coastal Development was endorsed by the South Australian Government in 1991.

## Coastline Circulars

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Coastline 26 - Coastal Erosion, Flooding and Sea Level Rise Standards and Protection Policy (pdf can be emailed). The purpose of this Coastline is to illustrate and explain those policies that set technical and environmental standards.

Coastline 27 - The Adelaide Metropolitan Coastline (pdf can be emailed). Outlines the geomorphic history of the metropolitan coastline, the effects of European settlement on the dune system, coastal processes, and the replenishment strategy used.

Coastline 28 - Maintaining the Adelaide Coastline (pdf can be emailed). Provides a brief explanation of why there is a need to maintain the coast, how the coast is monitored so that its problems can be better understood, and what is being done to manage the situation.

Coastline 29 - The Value of the Adelaide Beaches (pdf can be emailed). An examination of why the metropolitan coast is valued by the community and how a value can be determined for the metropolitan beaches. Some estimates from research of various components of the total beach value are given.

Coastline 30 - Coastal Landcare Handbook. This handbook carries useful suggestions on caring for our marine and coastal environments. It is a field kit to help identify native plants and animals. It guides you step by step through topics such as collecting seed, planting trees, controlling erosion, building a fence, forming a group and applying for funding.

Coastline 31 - Coastal Vulnerability Assessment (pdf can be emailed). Describes a study undertaken by the Mawson Graduate Centre for Environmental Studies at the University of Adelaide. Potential impacts, such as sea level rise, changes in the frequency, intensity and patterns of storm events, and associated

storm surges and flooding, could make already degraded coastal areas even more vulnerable to erosion.

Coastline 32 - Monitoring Sand Movements Along the Adelaide Coastline (pdf can be emailed). Discusses the different methods used by the Coast Protection Board in monitoring sand movements. The information gained from the program assists in identifying management issues and in making decisions on where, when and by how much the metropolitan beaches need to be replenished.

Coastline 33 - A Strategy for Implementing CPB Policies on Coastal Acid Sulfate Soils in South Australia (2.5Mb PDF)

Coastal acid sulfate soils are potentially present throughout most low-lying coastal regions in South Australia. The Coast Protection Board's strategy for identifying and managing coastal acid sulfate soils has been developed through the Coastal Acid Sulfate Soils Program (CASSP) in Environment Australia.

Coastline 34 - Garden Plants that are Known to Become Serious Coastal Weeds (pdf can be emailed). This Coastline identifies and addresses a selection of common garden plants that are having significant impacts on our coastal bushland.

Coastline 35 - Adelaide's Living Beaches: A Strategy for 2005-2025 (pdf can be emailed). This Coastline includes a summary of important background information on the strategy, including why it has been chosen over alternative strategies, and what the social and environmental impacts will be.

Coastline 36 - Recreational Beach Widths along the Adelaide Coastline (pdf can be emailed). In 2005, recreational beach widths were calculated for each profile location along the metropolitan coast. Results were compared with data obtained in previous years to reveal long- and short-term trends in beach erosion or accretion. The major finding of the study was that the beach replenishment program has successfully increased the width of the beach in several critical areas along the metropolitan coastline.

## Coast Protection Board Technical Reports

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80/1 Sand By-passing Evaluation, Aug 1980. - Beare JD

81/1 Sand Replenishment - Patawalonga, June 1981. - Penney SW

81/2 Meteorological & Tidal Observations Associated with the Storm on 1 June 1981, Adelaide, South Australia, June 1981. - Petrusevics PM

81/3 West Beach Trust Coastal Management Strategy - Preliminary Report, July 1981. Beare JD & Moulds B

- 81/4 Meteorological & Tidal Observations Associated with the Storm on 3-4 June 1981, Adelaide, South Australia, July 1981. - Petrusevics PM
- 81/5 Proposed Groyne at Pier Street, South Glenelg, Aug 1981. - Freeman R
- 81/6 Marlborough Street to Grange Road - Protection Options, Aug 1981. - Beare JD
- 81/6A Upper Spencer Gulf - Coastal and Marine Environment: An Overview and Proposal for a Management Plan, Aug 1981. - Thomas RI
- 81/7 Historical Development of Foreshore Protection on the Metropolitan Adelaide Coastline, Sept 1981. - Moulds B
- 81/8 Adelaide Foreshore Protection Alternatives, Sept 1981.- Beare JD
- 81/9 Mean Sea Level Changes - A Review, May 1982. - Petrusevics PM
- 81/10 Storm Event Register - Adelaide Metropolitan Foreshore: 1943-1981, Oct 1981 - Petrusevics PM
- 81/11 Coastal Vegetation & Planting Techniques, May 1981.- Bastin J, Evans M, Thomas R, Moulds B
- 82/1 Joint Replenishment Scheme: Access Points on the Northern Metropolitan Beaches for Sand Carting Operations, Jan 1982. - Steinle K
- 82/2 Review of Coastline Changes: Adelaide Foreshore, Feb 1982 - Moulds B
- 82/3 Seagrass Distribution - Adelaide Metropolitan Coast, Mar 1982. - Freeman R
- 82/4 Kingston SE Coast - Landscape Appraisal and Management Alternatives, June - Steinle K
- 82/5 Rosetta Head - Traffic and Parking Survey, June 1982. - Freeman R
- 82/6 Sand Replenishment: Historic Report, June 1982. - Penney SW
- 82/7 Sediment Accretion at Port Stanvac Breakwater, Nov 1982 - Fotheringham DG
- 82/8 Sand Tracer Experiment - Progress Report, Aug 1982. - Petrusevics PM
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- 82/10 Annual Wind Run Analysis 1957 - 1981, Nov 1982. - Moulds B

- 82/11 West Beach Trust: Sand Dunes, June 1982. - Moulds B
- 82/12 St. Kilda Mangrove Walkway Preliminary Design and Estimate, May 1982.- Steinle K.
- 83/1 Coastal Zone Management in South Australia, Jan 1983. - Wynne AA
- 83/2 Sediment Studies - Sand Tracer and Beach Level Movements, Brighton, South Australia, July 1983. - Petrusevics PM
- 83/3 Nearshore Water Movement - Brighton, South Australia, July 1983. - Petrusevics PM
- 83/4 Blanche Point - Planning Report, July 1983. - Edwards G
- 83/5 Foreshore Erosion at Town Beach, Robe, June 1983. - Fotheringham DG
- 83/6 Storm Records, 3 December 1973, Aug 1983 - Petrusevics PM
- 83/7 Sand Tracer Studies - Red Sand, Brighton, South Australia, Aug 1983 - Petrusevics P
- 83/8 Tunkalilla Beach Planning Report, Sept 1983 - Edwards G
- 83/9 Davenport Creek Preliminary Management Report, Oct 1983 - Fotheringham DG
- 83/10 Review of Northern Spencer Gulf Water Circulation, Oct 1983 Steedman & Associates
- 84/1 Foreshore Erosion at Southend, July 1984 - Penney SW & Ellis D
- 84/2 Draft Offshore Sand Investigation in the Adelaide Metropolitan Area, Aug 1984. - Tucker R
- 84/3 Cape Jaffa Erosion Study, Dec 1984 - Mavrinac G
- 84/4 Monitoring System for the Mangroves, Dec 1984. - Burton TE
- 85/1 Middleton: Coastal Access, Mar 1985 - Roberts R
- 85/2 Disabled Access to Metropolitan Beaches, Nov 1985 - Roberts R
- 85/3 Holocene Sediment Budget - Le Fevre Peninsula, Oct 1985. - Harvey N & Bowman G
- 86/1 Kangaroo Island - Marine Biota, May 1986 - Oks E
- 87/1 Southend Coast Watchers Program, Jan 1987. - Mavrinac G

87/2 Beachport - Groyne Erosion, Feb 1987. - Mavrinnac G

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89/1 Foreshore Erosion at Semaphore Park: An Overview of the Problems and Recommendations for Future Action, Sept 1989 - Fotheringham DG

92/1 Comparison of 1990 and 1991 rod and ESRI ARC/INFO TIN data, Aug 1992 - Fotheringham DG

92/2 No Replenishment Option for the Adelaide Beach System: Impact on Seawalls, Dec 1992 - Fotheringham DG

94/1 A Vegetation Survey of Barker Inlet, Gulf St Vincent, South Australia: Management Issues and Recommendations, August 1994 - Fotheringham DG

94/2 Semaphore Park and Tennyson Foreshore: Options for Protection, January 1995 - Deans JA, Fotheringham DG & Wynne AA.

TOWNSEND M (1999) Semaphore Park Foreshore Protection Strategy Reexamination: Background and Alternatives. Coast and Marine Section, EPA, Department for Environment, Heritage and Aboriginal Affairs. Technical Report No. 99/1.

VAN REENAN P (2000) Wave Hindcasting for the Adelaide Metropolitan Coast. Coast and Marine Section, EPA, Department for Environment, Heritage and Aboriginal Affairs. Technical Report No. 2000/1.

EATON A (2001) Beach and Shoreline Monitoring Program - Eyre Coast Protection District. Analysis Period 1986-2000. Technical Report No. 2001/1. Office for Coast and Marine, Department of Environment and Natural Resources (pdf can be emailed)

DEPARTMENT FOR ENVIRONMENT AND HERITAGE (2005) Recreational Beach Width for Adelaide's Metropolitan Beaches, Technical Report 2005/02, prepared by the Coastal Protection Branch for the Coast Protection Board, Adelaide (pdf can be emailed). Appendix A: Changes in recreational beach width at each profile location over time (pdf can be emailed)

## General publications on coast protection from erosion and tidal flooding

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COAST PROTECTION BOARD (1985) Storm Damage and the Need for Protection, Coastline No. 21, 1985.

COAST PROTECTION BOARD (1985) Beach Replenishment, Coastline No. 22, Oct 1985.



COAST PROTECTION BOARD (1991) Policy on Coast Protection and New Coastal Development, May 1991.

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- a. the expected effects of the development or project upon the environment;
- b. the conditions that should be observed in order to avoid or satisfactorily manage and control any potentially adverse effects of the development or project upon the environment; and
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