

SHOALWATER SHINE-UP

CALM volunteers and members of the public turned out to clean up the islands off Rockingham as part of this year's Seaweeek. Around 50 people helped Department of Conservation and Land Management staff 'shine-up' the Shoalwater Bay islands.

The theme of Seaweeek this year was 'Caring for our Coast', and the Shoalwater Shine-up was a first step in encouraging people to do this in the Rockingham area.

Volunteers were broken into two groups. One group spent two hours on Penguin Island checking signs and cleaning up areas usually inaccessible to the public. Another smaller group cleaned up Seal Island.

A great deal of litter reaches the islands from the mainland, and from boating and fishing activities and this was removed. Unfortunately, rough weather prevented a clean-up of smaller,

less accessible, islands and rocks. The large turn-out was really encouraging. Had the weather been fine the project would have been overrun by volunteers.

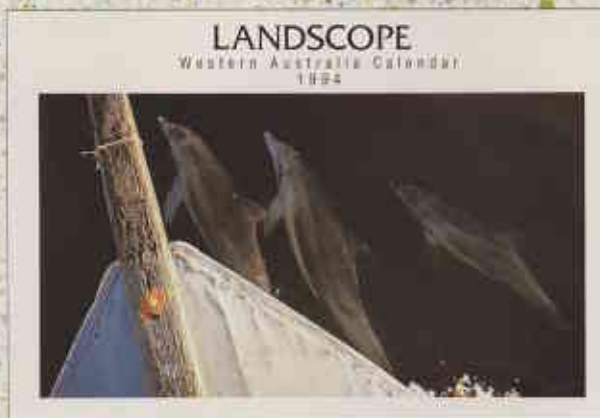
The Shoalwater Bay islands are important nature conservation areas. Penguin Island, the largest of the chain, is a popular tourist destination, attracting about 70 000 visitors each year. It supports the largest breeding population of little penguins on the west coast of Australia.

*Rough weather didn't deter CALM volunteers and staff from cleaning up Shoalwater Bay islands during Seaweeek.
Photo - Terry Goodlich*



APOLOGY

LANDSCOPE apologises to Alcoa and its Kwinana employees for any distress that may have been caused by the unidentified photograph of Alcoa's Kwinana Refinery on page 14 of the Autumn 1993 issue of the magazine, and for any inference of guilt by association that may have been wrongly assumed from its inclusion.



Get your copy now

\$14.95

+ \$3.05 postage and handling

Phone (09) 834 0333
and use your credit card —
or post your order with
a cheque or money order to
LANDSCOPE Calendar,
PO Box 104, Como,
Western Australia 6152

Also available from our main office (50 Hayman Road Como) major bookshops, newsagents and card shops throughout Western Australia

It'll be a pleasure —
every day of the year!

The new *LANDSCOPE* 1994 calendar.

It's here again — a beautifully photographed calendar from *LANDSCOPE*. Thirteen wonderful pictures that sample the State from top to toe. Still at last year's price of \$14.95, this new calendar is a visual knockout!

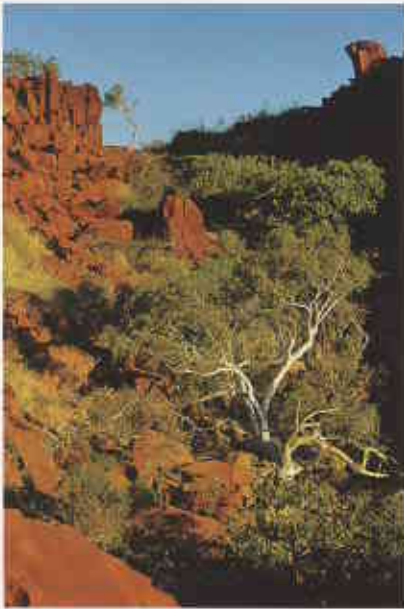
- ❖ Breathtaking photograph for every month
- ❖ Geographical descriptions of the area photographed
- ❖ Location maps
- ❖ Historical notes by key dates
- ❖ School and public holidays clearly shown



A CALM publication
Department of Conservation and Land Management

LANDSCOPE

VOLUME EIGHT NO. 4 WINTER ISSUE 1993



Nature-based tourism is a rapidly-growing industry and WA is poised to take a slice of that growth. See 'Our Natural Advantage' on page 10.



Frogs can be an interesting addition to any suburban native garden. Grant Wardell-Johnson describes how to attract them to your garden on page 16.



'Seagrass, Surf and Sea Lions' (page 21) are just some of the features of a string of islands that dot the WA coastline north of Lancelin.



Forrestdale Lake is an 'Outer City Sanctuary' for thousands of visiting and resident waterbirds. See page 35.



When is a flower not a flower? Neville Marchant, from CALM's WA Herbarium unravels the intricacies of the State's many 'False Flowers' on page 39.

FEATURES

OUR NATURAL ADVANTAGE SYD SHEA & JIM SHARP	10
FROGS IN THE GARDEN GRANT WARDELL-JOHNSON	16
SEAGRASS SURF AND SEA LIONS CAROLYN THOMSON & GREG POBAR	21
WILLIAM DAMPIER SUZANNE CURRY	28
OUTER CITY SANCTUARY ROD GIBLETT	35
FALSE FLOWERS NEVILLE MARCHANT	39
FOOTPRINTS ON THE SANDS OF TIME KEN McNAMARA & NIGEL TREWIN	44
OIL IN THE LEAVES LIZ BARBOUR & JOHN BARTLE	49

REGULARS

IN PERSPECTIVE	4
BUSH TELEGRAPH	6
ENDANGERED THE SWAMP FLOWER	27
URBAN ANTICS	54

COVER

The bull frog (*Litoria moorei*) is very large and has a voracious appetite. It is a frequent visitor to gardens and may be found particularly in greenhouses, ferneries and wet areas such as streams and ponds.

The illustration is by Philippa Nikulinsky, inspired by a Peter Marsack photograph, courtesy of Lochman Transparencies.



Managing Editor: Ron Kawallak

Editor: David Gough

Contributing Editors: Verna Costello, Grahame Rowland, Carolyn Thomson

Scientific and technical advice: Andrew Burbidge, Roger Underwood

Design and production: Sue Marais, Stacey Strickland

Finished art: Gooitzen van der Meer

Marketing: Estelle de San Miguel ☎ (09) 389 8644 Fax: (09) 389 8296

Illustration: Sandra Mitchell

Cartography: CALM Land Information Branch

Colour Separation by Prepress Services

Printed in Western Australia by Lamb Print

© ISSN 0815-4465. All material copyright. No part of the contents of the publication may be reproduced without the consent of the publishers.



Published by Dr S Shea, Executive Director
Department of Conservation and Land Management,
50 Hayman Road, Como, Western Australia 6152.