

Coastal News

Newsletter of the New Zealand Coastal Society A Technical Group of IPENZ

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Chairman's Notes

After a somewhat slow start to the year (too much low level beach study?; cyclones or lack of them?), we've made some progress on key matters aimed towards fulfilling our Development Plan (refer April Newsletter).

National Data gather and monitoring

We have written on behalf of the Committee to the Prime Minister and five other Ministers to promote a proposal from the last AGM for Government to consider a nationally coordinated long-term data gathering and monitoring programme around the New Zealand coast.

We have expressed concern at the absence of such a programme, and have emphasised that protection of our outstanding natural, social, cultural and economic values by sustainable coastal management is central to the purpose and principles of the Resource Management Act and to the policies of the New Zealand Coastal Policy Statement.

Critical to promoting sustainable management would be a nationally coordinated data gathering and monitoring strategy, entailing:

- identifying priority data gathering and monitoring needs;
- appropriate monitoring and data gathering activities;
- coordination of all data gathering and monitoring activities conducted to appropriate and consistent standards; and
- ready access to data by resource users and managers.

While aware that the Hydrographic Services of the RNZN, some regional councils and Crown Research Institutes are undertaking a variety of data gathering and monitoring activities, including hydrographic/bathometric surveys and wave, current and sediment transport studies, we have expressed serious concern at the lack of national coordination and consistency in this work. We are also unaware of any nationally coordinated effort to identify priority

data gathering and monitoring needs. It is also unclear which, if any, central government organisations currently have responsibility for facilitating or ensuring such coordination.

In the expectation of further discussions with the Ministers' representatives, we are setting up a working party of committee members: I would welcome any comments from Society members as background for the working party.

Archives

We have engaged an archivist to prepare a catalogue and associated software to log initially the Simpson archives, referred to previously, and in the process set up a system to include other documents. The final resting place of hard copy is still to be determined: details of electronic access will be advised in due course.

Student Awards

With regard to support for students and younger members, you will have noticed that substantial support will be given to paid up student members of the Society to attend the PCP '97 conference. We are also seeking active input from all New Zealand tertiary institutions in publicising the availability of awards to encourage students to write and present papers, and to enable them to attend our annual seminars or other appropriate conferences, preferably in support of their own paper.

We are now calling for applications for grants to encourage and promote:

- presentation of our own - work papers at regional meetings of our Society's branches, for vetting and ranking by Branch Committees;
- submission of best paper(s) to our Society's national management committee for final judging and appropriate awards;
- requirement for appropriate papers to be

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Auckland Branch Notes

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A Consultants evening on 27 May at the Auckland Regional Council offices was attended by over 30 members, including several from Whangarei and the Waikato.

Steven Priestley of Beca Carter Hollings & Ferner began with a well illustrated address on the investigation and analysis of hydraulics and sedimentation aspects of Auckland's western viaduct basin. This is the site of the America's Cup village and facilities, construction of which has now started. Extensive modelling of the Waitemata Harbour by Becas as part of Ports of Auckland's overall development plans formed the background to an indepth (or should that be inshallow) assessment of circulation patterns for different wharf and reclamation configurations, and associated predictions of sedimentation.

Alan Betts gave a detailed description of the analysis and design of new ferry terminals for Fuller's in downtown Auckland, reflecting the significant growth in ferry patronage of recent years with more in prospect. In this context additional services to Bayswater (the new

marina complex) and Birkenhead opened on August 1st, and more are being considered for the Tamaki Estuary. North Shore City is contemplating a new service from one or more East Coast beaches while a Whangaparaoa service is already running from Gulf Harbour. All this in addition to the big cats to and from Waiheke.

John Duder rounded off the session with brief presentations on three recent coastal projects by Tonkin & Taylor Ltd. At Thames the extensive inundation experienced in 1995 and last January in the Moanataiari subdivision is being addressed by a combination of waterproofing the existing permeable rock wave wall with impermeable fill and providing a pumped high tide storm drainage system.

North Shore City Council's coastal sewer at Brett Ave north from Takapuna beach has been protected by a combination of rock dowels and concrete infilling of cavities where basalt has been undermined by wave erosion of underlying sediments. A side issue was the reinforcement of a unique 1.5 m diameter Kauri tree cast in the basalt flow.

At the Rarotongan Resort Hotel, beach erosion control is being proposed by combination of gabion baskets and sand transfer, and includes an assessment of the performance of the concrete CPUs (coastal protection units) which have been the subject of much comment around the Pacific since their deployment some four years ago.

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presented at our annual seminars and summarised for Society's newsletter;

- encouragement to present papers, or attend Australasian conferences by way of travel grants;
- requirement for the recipient to report back in writing on the conference attended, and preferably to present the report at a regional branch meeting.

We also seek the active support of Society Members in publicising these opportunities and following up aspiring applicants, with encouragement for their preparation and presentation of papers. A basic prerequisite will, of course, be student membership of the Society which is still available at the discounted rate of \$15 per annum.

Finally, I would encourage you to attend at least some of the PCP '97 conference in September, organised by our Christchurch colleagues; the opportunity of comprehensive international coverage of coastal issues in New Zealand and overseas comes but once every six years!

*John Duder
Chairman*

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Coastal Zone Management - The Kapiti Experience

John L Lumsden

Coastal Engineering and Management Consultant

The population of the Kapiti Coast District, located on the west coast of Wellington, is among the fastest growing in New Zealand. Situated along the Kapiti coastline are three distinct communities: Paekakariki, Raumati and Paraparaumu, each bordering a section of coastline that has suffered periods of active erosion during at least the last 100 years. In the

past, development has been permitted too close to the coast, and this has become a significant factor in the process of determining the future management of the coastal zone.

This paper outlines the background at Kapiti and the particular pressures this has placed on the coastal zone. Historically, structural solutions have been used to control erosion and much of the coastline is thus no longer in its natural state.

Coastal erosion is recognised by the Kapiti Coasts District Council as a natural hazard that from time to time will require an emergency response and the special measures that have been taken to prepare for such events, are described.

The options available for the sustainable management of the coastline in the future, in each of the three communities, are discussed in relation to the coastal processes, existing development, and the requirements of current legislation including the Resource Management Act 1991.

A full copy of this paper, which was presented at the IPENZ annual conference in February 1997, is available from the author (phone 021-669-701).

Integrated Professional Team Approach for the Lyttelton Marina Project

Victoria Caseley Msc ARICS MNZIS, *Davis Ogilvie & Partners Ltd, P O Box 579, Christchurch.*

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The Lyttelton Marina project arose from the necessary upgrade of the existing Magazine Bay Marina located between the Port of Lyttelton and Corsair Bay in Lyttelton Harbour. The existing facilities support a number of user groups whose requirements had to be taken into consideration when planning the new marina development.

The development had the capability to berth up to 428 vessels in floating berths and cover an area of 10 hectares of water.

A full copy of this paper, which was presented at the IPENZ annual conference in February 1997, is available from Victoria Caseley.

NOTICE OF AGM

The Annual General Meeting of the New Zealand Coastal Society is to be held during Pacific Coasts and Ports '97 at the Christchurch Convention Centre, Kilmore Street, Christchurch, at 12.30 pm on Monday 8 September 1997. Lunch will be served.

Pacific Coasts and Ports '97 Conference Update

Members will be aware that this important conference is to be held in Christchurch 7-11 September 1997. At the time of writing, some 300 registrations have been received from 16 countries, making this a truly international event.

One hundred and eighty papers are to be presented covering a wide range of topics relevant to the coastal zone. These have been published in the two-volume Proceedings containing over 1100 pages.

Those who haven't already registered are urged to consider doing so.

Details are available on the Conference website at:

<http://www.cae.canterbury.ac.nz/coastal/pacific.htm>

Coastal News

NZ COASTAL SOCIETY
MEMBER SURVEY QUESTIONNAIRE

YOUR REGION OR CITY

Your response or comment on the following would be much appreciated, to assist the Management Committee to plan future activities and to endeavour to fulfill our Development Plan. Please post or fax back to John Duder @ Tonkin & Taylor Ltd, Box 5271, Auckland or Fax No. 09 307 0265

Please circle or comment

1 Newsletter

Frequency: No. per year: 1 2 3 4 Other
Content: About right:
Too much:
Too little:
Other suggestions:.....

2 Annual Seminar

The three so far: Glad I attended/Wished I had attended/Wished I had not attended
Dissatisfied with content/organisation - Why?
In future: More of the same or different focus?.....
Venue: Wellington or Other?

3 Branch Activities

Type of Function: Invited papers on
Open forum covering:
Student research/Thesis reports:
Details: Frequency: Monthly / Half Yearly / Quarterly
Timing: 5 - 7, 6 - 8, 7 - 9 pm or other
Venue: Regional Council/District Council/Other

4 Role of Coastal Society

Development Plan? Too ambitious/Potentially Effective/Other
Lobbying on Govt. policies: Get involved/Keep out/Behind the scenes
Successes of the Society?
Shortcomings of the Society?

NAME (Optional of course!):

ADDRESS:
.....
.....

FAX: