



Aquaculture development in Western Australia

The next 10 years

Budget deliberations

- Funding for reserves (zones) for mollusc cultivation;
- Funding for restocking including a hatchery;
- Funding for restoration of depleted fisheries (translocation and restocking)

The Colony's Fisheries.

THE report, which we publish in another column, by Mr. Saville-Kent, goes at great length into the fisheries of the colony and the steps necessary in order to protect and develop them. The object of the report is to induce the Government to place a sum of £750 upon the Estimates for the next financial year in order that Mr. Saville-Kent's recommendations may be carried into effect. No one who carefully reads the report is likely to grudge the expenditure of this comparatively

small sum. £300 of it is proposed to be devoted to establishing reserves at Fremantle and Albany for the cultivation of edible oysters; £150 is required for the acclimatisation of fresh water fish in the rivers of the colony, including the construction and maintenance of a trout hatchery, and the remaining £300 is intended for aiding in the restoration of the mother-of-pearl fisheries at Sharks Bay. Considering the importance of its fishery resources, the colony may congratulate itself on having secured the services of so competent and so practical an authority as Mr. Saville-Kent. One has only to read his reports to see how thoroughly at home he is in the subjects of which he treats, and how strongly they excite his interest. Common sense suggests that while Mr. Saville-Kent is holding the position of Commissioner of Fisheries, the colony does wisely to avail itself to the

means close at hand with which to replenish the beds from which all the good shell has been taken. If only for the sake of resuscitating the Sharks Bay fishery, it was worth while securing Mr. Saville-Kent's services.

1894

WA Government

- “WA has an excellent reputation for the quality of our seafood exports.
- We must capitalise on this reputation by expanding the aquaculture industry to meet the worldwide demand for seafood.
- ...the State Government has developed a strategy to promote and encourage the development of the industry.”

1989

Strategy fatigue

- **Anna Ciffolilli (September 2003)**
- Report to the Minister for Fisheries on the review of the legislative arrangements in the aquaculture in Western Australia
- **Aquaculture Development Council (Western Australia); Ord Nexia Pty Ltd.; Challenger TAFE Western Australia (2007)**
- 'An opportunity study of an open ocean aquaculture project in Western Australia : confidential draft.' / prepared by Ord Nexia Chartered Accountants [and] Challenger TAFE WA.. [Fremantle, W.A.] : Aquaculture Development Council, 6 p. : folded leaves with maps ; 30 cm. Duns system
- **Australian Venture Consultants and Braincells (December 2004)**
- Synopsis, Conclusions and Preliminary Strategies - Industry Development and Investment Attraction and Strategic Marketing Plan
- **Australian Venture Consultants Pty Ltd**
- Review of aquaculture activities to support a sustainable aquaculture industry
- **Australian Venture Consultants Pty Ltd (December 2004)**
- Western Australian Aquaculture Industry Development and Investment Attraction Strategy Stage 1 Consultancy Report
- **Australian Venture Consultants Pty Ltd (December 2012)**
- Review and analysis of aquaculture research and education providers in Western Australia
- **Braincells (December 2004)**
- Western Australian Aquaculture Industry Strategic Marketing Implementation Strategy Stage 1 Consultancy Report
- **Economic Research Associates Pty Ltd (December 2009)**
- Economic Strategy for Offshore AquacultureDdd
- **Everall, Dave (comp.); Everall Consulting Biologists (1997)**
- 'Marine farm planning and consultation processes in Western Australia..' / Compiled by Dave Everall, Everall Consulting Biologists.. Fisheries management paper no. 102, (Western Australia. Fisheries Department);
- **Everall, Dave; Everall Consulting Biologists (1998)**
- 'Planning for the further development of the aquaculture and marine farming industry at Jurien Bay.' / prepared by Dave Everall, Everall Consulting Biologists. Fisheries management report (Fisheries Western Australia) ; no. 4, 32 p. : ill., maps
- **Foundation Capital (April 2009)**
- Governance framework: open ocean aquaculture project
- **Great Southern Aquaculture Development Conference (1998 : Albany W. A.); Great Southern Development Commission (Western Australia); Australia. Dept of Employment and Training. Office of Labour Market Adjustments (1998)**
- 'OLMA economic impact study of aquaculture in the Great Southern : Great Southern Aquaculture Development Conference, Friday 19th June 1998, Pyrmont House, Albany, Western Australia.' [Albany, W.A.] : Great Southern Development Commission, 27 p. :graphs, maps, tables ; 30 cm.
- **Kimberley Aquaculture Research Project. Project Steering Committee (2002)**
- 'The Kimberley aquaculture research project : as a part of the development of a black tiger prawn aquaculture industry in the Kimberley region of Western Australia.' / report by the Project Steering Committee. Kununurra, W.A. : Kimberley Development Commission, vi, 38 p. : col. ill., maps ; 30 cm.
- **Kolkovski, S.; Jenkins, G. I.; Lee, C. L. (2000)**
- 'Cage aquaculture in Western Australia : current status and future plans.' / S. Kolkovski, G. I. Jenkins and C. L. Lee. Cage aquaculture in Asia : proceedings of the First International Symposium on Cage Aquaculture in Asia, held 2-6 November 1999, in Tungkang Marine Laboratory, Taiwan Fisheries Research Institute, Tungkang, Pingtung, Taiwan., p. 39-46
- **Lawrence, Craig S. (1995)**
- 'A review of international aquaculture development and selected species in environments relevant to Western Australia.' / C.S. Lawrence. Fisheries research report (Western Australia. Fisheries Dept.) ; no. 102, 14 p.
- **Lendich, Zelko (2003)**
- DD'Proposed strategy for the development of the Western Australian aquaculture industry : final report.' / Zelko Lendich for the Honourable Mr Kim Chance, MLC Minister for Agriculture, Forestry and Fisheries.. n.p. : ZL & Associates [for] Minister for Fisheries.
- **LeProvost Dames & Moore; Fisheries Western Australia; Western Australia. Environmental Protection Authority; R S Rosich & Associates; Makaira Pty Ltd.; Tropical Water Solutions (1999)**
- 'Kimberley aquaculture development strategy : Lake Argyle barramundi aquaculture industry strategic environmental review.' / LeProvost Dames & Moore, in association with Tropical Water Solutions, Makaira Pty. Ltd. and R.S. Rosich & Associates.. [Perth, W.A.]
- **Makaira Pty Ltd; Ecologia Environmental Consultants; Fisheries Western Australia; Western Australia. Aquaculture Development Council (1997)**
- DD'Aquaculture planning in Western Australia.' / prepared by Makaira Pty Ltd and Ecologia Environmental Consultants.. Perth : Fisheries Western Australia; Perth : Aquaculture Development Council, 93, 25, 13 p. : maps ; 31 cm.
- **Marine Fish Farmers Association Inc (unpubl. 2013)**
- An objective review of mid-western marine aquaculture and proposed development plan
- **Nel, Steve (Stephen Arthur Joseph); Western Australia. Fisheries Dept. ; Western Australia. Kimberley Development Commission. (1996.)**
- 'Kimberley aquaculture development plan.' / prepared by Steve Nel on behalf of the Fisheries Department of Western Australia & Kimberley Development Commission. Perth, W.A. : The Dept., v., 106 p. : 2 : folded leaves : ill. (2 col.), 2 maps ; 30 cm.
- **OBH Consulting Pty Ltd (March 2008)**
- DStrategic Review and Market Assessment of Eco-Labeling Opportunities and Value Adding Products
- **Ord Group Pty Ltd (July 2006)**
- A preliminary feasibility assessment of an abalone aquaculture project on the south coast of Western Australia

Statement of commitment

Clear priorities:

- Support for existing industry
- Aquaculture Zones and Infrastructure
- Streamlining regulation
- Industry Development and Investment
- Fish health and biosecurity

Lead agency

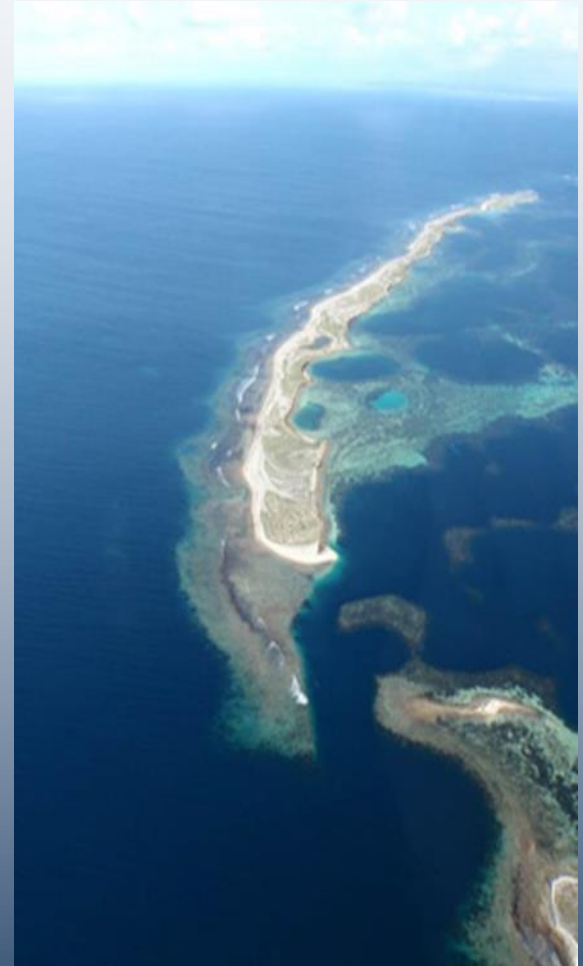
- Developing 10 year plan for Marine Aquaculture;
 - Realistic and achievable;
 - Guide investment decisions;
 - Building blocks for the future;

Reducing red tape



Development zones

- Kimberley development zone
- Geraldton-Mid-West zone
- Where next?



Fish health services



Research, hatchery and nursery services

- WA Marine Research Laboratory – Hillarys
- Australian Centre for Applied Aquaculture Research



Multi species hatchery

Located at Albany Aquaculture Park,
Frenchman's Bay

\$1.8 million operating costs over four years

\$500,000 capital costs



New legislation

- Aquatic Resources Management Bill 2015

A Bill for “...the development and management of aquaculture that is compatible with the protection of aquatic ecosystems”.

Reality check

- Listen to messages from industry;
 - logistical challenges;
 - environmental challenges;
 - biosecurity risks;
 - high costs.
- Point of difference
- Do a few things well
- Build on what works

Cause for optimism

- Yellow tail kingfish, Indian Ocean Fresh
- 888 Abalone, Bremer Bay
- Marine Produce Australia, Cone Bay
- Blue Lagoon Mussels
- Funding commitments in State Budget