

New Articles Added to the NZ Seafood Industry Council Information Centre Collection

May - June 2007

Below is a list of new articles added to the NZ Seafood Industry Council Information Centre collection in the months shown.

Articles from *Seafood New Zealand* are not included in this report. They are indexed separately and may be viewed here: <http://www.seafood.co.nz/snz>

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Aquaculture

1. Aquaculture's next giant? It's not China

Evans, John

IntraFish (v. 5 no. 5 2007) page(s) 60-61

The UN is forecasting a slowdown in the growth of aquaculture. The article is discussing where new growth will come from.

2. Aquaculture takes to the open sea

Fisheries and aquaculture in Europe (no. 33 2007) page(s) 9

Outlines that one solution available to farmers for expanding aquaculture activities in highly saturated European coastal areas is to explore the possibilities of the high seas.

3. Better times ahead for freshwater aquaculture?

Inns, Justine

New Zealand Aquaculture (no. 17 2007) page(s) 10

Describes the regulations that are about to change for koura farming.

4. Brits love affair with shellfish brings good news for farmers

Ross, John Macleod

Fishupdate (no. 13 2007) page(s) 45

Discusses the growing popularity of mussels in the UK due to them being a healthy, sustainable and traceable food.

5. East coast mussel producers pin hopes on New Zealand technology in fight against tunicates

Northern Aquaculture (v. 13 no. 2 2007) page(s) 9

Outlines the fight against tunicates which plague the mussel-growing industry in Nova Scotia and Prince Edward Island, Canada. Confidential equipment from New Zealand is being modified to fight the hangers-on.

6. Eel research produces commercial quantities all year round

Rees, Trevor

Fish Farmer (v. 30 no. 2 2007) page(s) 6

Outlines the success of a research team which has managed to trigger eel spawning outside the eel's normal spawning period. This has major implications for commercialising the process and the future viability of the eel farming industry.

7. Efforts to increase fish welfare in aquaculture

Eurofish Magazine (1/2007 2007) page(s) 28-29

Describes the SEAFOODplus project "Ethiqua" which examines husbandry practice in aquaculture systems, ethical slaughter methods, and the problem of how to measure a fish's well-being.

8. Export business for Sydney rock oysters

O'Sullivan, Dos

Austasia Aquaculture (v. 21 no. 1 2007) page(s) 34-37

Describes Andy Baker's Sydney rock oyster farm near Pambula Lake and his new attempt to export. Contains statistics about the Australian oyster production.

9. Fouling pests in aquaculture : issues and management options

Forrest, Barrie

New Zealand Aquaculture (no. 17 2007) page(s) 12-13

Describes how aquaculture companies can contribute to effective management of fouling pests.

10. Hatchery production of sea cucumbers : embryo quality, hatching and early development

Morgan, Andrew

New Zealand Aquaculture (no. 17 2007) page(s) 14

Describes the hatchery production of quality hatching and development of sea cucumbers.

11. High fish meal prices stimulate innovative approach

Reid, Christina

Fish Farmer (v. 30 no. 2 2007) page(s) 28

Outlines sustainable seafood production discussed at an annual meeting for the American Association for the Advancement of Science. Decades of research has shown that proteins derived from grains, such as corn, wheat and barley can provide the protein-rich ingredients needed in feeds for farmed salmon and trout.

12. Kingfish promising for aquaculture

Churchhouse, Nick

New Zealand Aquaculture (no. 17 2007) page(s) 8

Describes the potential and challenges of kingfish farming in the Firth of Thames.

13. Mussels up

Environz (4/07 2007) page(s)

Highlights the growth of the mussels industry in New Zealand and increased focus on sustainable aquaculture.

14. New research on egg quality variation

Treasurer, Jim

Fish Farmer (v. 30 no. 2 2007) page(s) 16-18

Reports on a study in which a box collector design was tested against a net collector to provide comparative information on egg and larval quality. The eggs harvested by net were frequently accompanied by high volumes of detritus whereas eggs collected by box had a visually clearer appearance.

15. Paua farm joins burgeoning industry

Komene, Georgia

New Zealand Aquaculture (n. 17 2007) page(s) 6-7

Describes the new paua farm in Gisborne and how it is set up.

16. Revolutionary new mussel float yields exceptional results

Fish Farmer (v. 30 no. 2 2007) page(s) 11

Highlights recent trials along the west coast of Ireland of a new mussel float that can withstand the pressures of high waves and will sit steadily on the water when loaded with a full crop of mussels. Yield increases of 30% have been reported.

17. Terminal disinfection

McCool, Andrew

Hatchery International (v. 8 no. 2 2007) page(s) 14-15

Highlights basic steps that should be taken to accomplish successful and cost-effective terminal disinfection.

Bycatch & Mitigation

18. Better to sort on the sea bottom rather than on deck

Fisheries and aquaculture in Europe (no. 34 2007) page(s) 7-8

Outlines a possible solution to avoiding discards, by improving the selectivity of gear. This will require design of gear adapted to the problems of different fisheries.

19. Reducing by-catches and discards: a priority for European fisheries

Fisheries and aquaculture in Europe (no. 34 2007) page(s) 4-6

Highlights that the European Commission wishes to put in place a new policy to enable the fisheries sector to solve the problem of by-catches and discards. The Commission's aim is to give fisherman an incentive to adopt more selective methods and fishing gear.

20. Scarecrows at sea

New Zealand Geographic (no. 85 2007) page(s) 10-14

Discusses how seabirds killed in the course of human fishing operations are having a major detrimental effect on the numbers of large seabirds such as albatrosses. Offal discharge from trawl vessels plays a primary role in determining seabird interactions with trawlers. Mitigation devices are required on all trawl vessels in the New Zealand fleet.

Culinary

21. Oysters back in town

Nixon, Fleur

Food Service Grill (v. 5 no. 3 2007) page(s) 36

Highlights the Bluff oyster season which starts in early March and delights oyster lovers all over New Zealand. Suggests best ways of serving them.

22. The public gets what the public wants

Jackson, C. J.

Seafood International (v. 22 no. 4 2007) page(s) 23-25

Looks at who is in charge when it comes to choosing which fish is on the menu in the United Kingdom. Is it customer-led or chef-led? Reviews fish consumption trends in Britain over the twentieth century and the role that World War 2 played.

Economics & Trade

23. The changing environment surrounding fisheries

ISARIBI (no. 54 2007) page(s) 1-4

Comments on changes regarding fishery products and food in general. Demand for

seafood is expanding worldwide while the world's fishery production has come to a limit. Fish consumption is declining among young Japanese. There is also an increasing use of grains for bio-energy.

24. Fisheries riding out the storm

Churchhouse, Nick

Dominion Post (May 7 2007)

Describes the problems the New Zealand seafood industry is facing because of the high dollar.

25. Searching for food miles solutions

Evans, John; Fiorillo, John

IntraFish (v. 5 no. 4 2007) page(s) 24-25

Describes the challenge of food miles facing the fishing industry and how companies around the world are setting up efforts to reduce their so-called "carbon-footprint".

26. Supplies and markets

Seafood International (v. 22 no. 4 2007) page(s) 16

Highlights that over the past decade the annual production of surimi has more than doubled. Cold and warm water species are now being utilised by producers to keep up with demand.

27. US backs Kiwi proposal to curb global overfishing

Peart, Mark

National Business Review (23-03-07 2007) page(s) 7

Highlights a major United States proposal largely drafted by New Zealand to target fishing subsidies around the world that encourage overfishing by commercial interests.

28. Will free trade be fair?

Stromsta, Karl-Erik

IntraFish (v. 5 no. 5 2007) page(s) 44-46

Traditional trade barriers are falling, while unpredictable new ones are taking their place. Describes the consequences especially for the developing countries.

Education

29. Fish farming industry needs workers

Dipietro, Ben

IntraFish (v. 5 no. 4 2007) page(s) 34-36

Describes how the fish farming industry is going to be demanding more workers in the future and how to attract aquaculture students and train them.

Environment & Biosecurity

30. Blue haven : global fish crisis

Warne, Kennedy

National Geographic (April 2007 2007) page(s)

Describes the fish crisis and the hope for a new relationship between man and the sea. New Zealand marine reserves are a model for the world.

31. New Zealand, a marine superpower?

New Zealand Geographic (no. 85 2007) page(s) 24,26

Highlights the massive difference between New Zealander's attitudes and behaviour towards land-based resources and towards marine resources. To this end, Sir Peter Blake trust and NIWA, in partnership, are running a hands-on marine science education programme called Sea and Learn.

32. 'Safe' heavy metals hit fish senses

Pearson, Aria

New Scientist (7-05-2007 2007) page(s) 12

Describes how heavy metal pollution far below the safe levels has a dangerous effect on aquatic life.

Fisheries Management

33. Deemed value a rip-off

Dixon, Grant

New Zealand Fishing News (v. 30 no. 1 2007) page(s) 13

Highlights the issue of 'deemed catch' and argues that the quota management system favours commercial fishers over recreational anglers.

34. Fuzzy logic's sharp results

R D News (v. 15 no. 1 2007) page(s) 36-37

Highlights that the visual nature of geospatial information systems (GIS) and the natural reasoning of fuzzy logic make them ideal tools for fisheries management and a consequent understanding of the ecosystem effects of fishing.

35. Historic win for sport fishers

Romeril, Jeff

New Zealand Fishing World (no. 37 2007) page(s) 62-63

Discusses the decision of the High Court against the Minister of Fisheries over allocation of kahawai stocks from the recreational fishermen's point of view.

36. Opportunities in shared fishery

Rowling, Geoff

New Zealand Fishing News (v. 30 no. 1 2007) page(s) 50

Discusses proposal contained in the MFish Future Management of Shared Fisheries discussion paper which shows that the government is prepared to invest several million dollars to help establish an organisation to enable amateur saltwater fishers to enhance and protect their access rights.

37. Quotas down under

Childers, Hoyt

National Fisherman (v. 87 no. 10 2007) page(s) 26-27

Outlines an educational tour in New Zealand taken by a group of american fishermen to get a firsthand look at New Zealand's management system. Gives opinions formed by the visitors.

38. Shared fisheries : a house built on sand?

Kirk, Bill

New Zealand Fishings News (v. 30 no. 5 2007) page(s) 22-23

Discusses the Shared Fisheries proposal and concludes it will take away recreational fishers rights.

39. Telson clipping a step forward

Jorion, Alain

New Zealand Fishing News (v. 30 no. 1 2007) page(s) 160

Describes why Telson clipping would effectively combat poaching of rock lobsters, because it will show if it is a commercial or recreational caught lobster.

40. Where our fish comes from

Starck, Walter

AUSMARINE (v. 29 no. 6 2007) page(s) 14-15

Reports on Thailand's fishing industry, particularly the fleet and the catch. Thailand is teeming with fishing boats and Thai fisheries are overfished at an unbelievable level. Their fisheries have not collapsed but have changed. This article is part two of a series.

Fisheries Science

41. Enhancers needed when feed is low on fishmeal

Fish Farming International (v. 34 no. 4 2007) page(s) 23

Outlines results of experiments to determine the optimum level of palatability enhancer when applied by top-coating and the comparison of application methods on the performance of PEs.

42. HIV medicine from the sea?

Gregersen, Frank

Fiskeriforskning (no. 4 2007) page(s) 1

Describes a new research programme where scientists are testing new molecules from sea organisms. The goal is that these special molecules will prevent HIV virus from reproducing itself in the body.

Fishing Industry

43. New kids on the block

IntraFish (v. 5 no. 4 2007) page(s) 20-21

Describes the new chief executive officers that are younger than 40 and are making their way up the seafood ladder around the world.

Fishing Technology

44. All the way from New Zealand to Fishing 2007

Fishing News International (v. 46 no. 5 2007) page(s) 10-12

Describes the new WASSP WMB160F multi-beam 3-D fishing system manufactured in New Zealand that will be on the Fishing 2007 conference.

45. Penetrating the depths

Collier, Ev

National Fisherman (v. 88 no. 1 2007) page(s) 34-35

Describes transducers and the factors of frequency, beam angle and bandwidth that will determine what transducer to choose for a fishing boat.

46. Symmetry in motion

Crowley, Michael

National Fisherman (v. 88 no. 1 2007) page(s) 36-37

Describes new trawl monitors so skippers have a better chance of knowing what the arrangement of the trawl and doors is to each other as they are being pulled through the water.

Food Safety

47. The need for traceability

Seafood Processor (v. 3 no. 26 2007) page(s) 51

Outlines the need for traceability in the fish production chain driven by consumer's food safety concerns.

48. Shellfish toxin testing without using animals

Seamer, Cathrine

Biosecurity (no. 75 2007) page(s) 14-15

Describes how development in shellfish toxin testing could see the use of animal testing phased out completely. Cawthron Institute have developed a liquid chromatography mass spectrometry-based method for the detection of toxins.

Marketing & Retailing

49. Canned tuna

Ramseyer, Rick

Seafood Business (v. 26 no. 2 2007) page(s) 36-40

Describes how tuna canners launch new products with flavored sauces and market and educate the consumers.

50. Has organic fish finally arrived?

Stromsta, Karl-Erik

IntraFish (v. 5 no. 4 2007) page(s) 22-23

51. U.S. consumers want more seafood choices

Rogers, Lesley

IntraFish (v. 5 no. 4 2007) page(s) 16

Describes the U.S. consumer demographic and how shrimp is the top seafood choice.

Miscellaneous

52. 158 countries agree Port State controls

Fishing News International (v. 46 no. 5 2007) page(s) 3

A total of 158 countries have agreed to begin a process leading to the adoption of official control measures in ports where fish is landed, transhipped or processed in a concerted effort to combat illegal fishing.

53. Adding value to mussel products

Fletcher, Graham

Food Technology (v. 42 no. 3 2007) page(s) 33

Describes how Crop & Food Research is adding value to NZ Greenshell TM mussels through their programmes.

54. Biofuels could be hugely beneficial to fishing industry

Dybdal, Siri Elise

FishUpdate (no. 14 2007) page(s) 22

Biofuels are set to be a viable alternative to conventional diesel and deliver huge benefits to fishermen.

55. New alternatives to fish meal

New Zealand Aquaculture (no. 17 2007) page(s) 9

Describes the alternatives to fish meal like plant protein-based feeds.

56. Time to end suspicions over electronic engines

Bull, David

Fishing News International (v. 46 no. 5 2007) page(s) 18-19

The article argues that the new electronic engine is better than the old diesel engine, because of simpler user interfaces and engine diagnostics. This enables the electronic engines to be economic, greener and reliable.

57. A touch of glass

Collier, Ev

National Fisherman (v. 87 no. 12 2007) page(s) 50-51,59

Describes touch screens for boats.

58. Twig and Tweet get it wrong

Andrews, Graham

New Zealand Fishing News (v. 30 no. 1 2007) page(s) 196-197

Describes how the environmentally friendly organisations use statistics with faults and how the recreational fishermen should defend their sport.

Processing & Packaging

59. Applying brains to mussels

Innovate (no. 63 2007) page(s) 1,4

Describes the technically advanced project developing a production prototype machine for automatic opening of greenshell mussels.

60. Automatic detection of nematode worms

Wray, Tom

Seafood Processor (v. 3 no. 25 2007) page(s) 16-17

Describes new equipment that will automatically detect worms in whitefish fillets at speeds of up to one fillet per second. Currently whitefish fillets are inspected manually. The Norwegian filleting industry is in recession due to low cost processors in Asia and the equipment under development will help to redress the situation.

61. Cleaner mussels with electro-chemical water

Fishing News International (v. 46 no. 4 2007) page(s) 14

Outlines research being conducted by a Spanish university into using electrochemically activated water to make mussel sterilisation faster and more efficient.

62. End in sight for expanded polystyrene boxes

Wray, Tom

Seafood Processor (v. 3 no. 25 2007) page(s) 26-29

Describes the latest developments in packaging fresh fish for transport and looks at new applications in the packaging process. Benefits of new solid board boxes manufactured from paper fibres include cost, stackability, environmental benefits and imprinting.

63. Extending shelf life

Kramer, Lauren

Seafood Business (v. 26 no. 2 2007) page(s) 30-34

Looks at ways to increase food safety and shelf life of fish with dips, sprays and ozonated water.

64. Ice in fisheries : from block to slurry

Infish International (1/2007 2007) page(s) 28-32

Discusses the method of making the different types of ice available for use in fish cooling and their advantages and disadvantages.

65. The use and abuse of poly phosphates

Neubacher, Herby

Seafood Processor (v. 3 no. 25 2007) page(s) 11-13

Reports that while immersion in a polyphosphate solution is one of the most common treatments given to fish and crustacean shellfish before freezing to prevent excessive drip loss on thawing, this treatment can also be used to bind in excess moisture for the purpose of weight increase.

Seafood for Health

66. Infrequent cases, but severe reactions

Eurofish Magazine (1/2007 2007) page(s) 100-103

Interview with Dr Arend Hartjen, allergologist and Christiane Schafer, nutritionist, about fish allergies. There are not many people with fish allergy, but fish and shellfish allergies are very potent and reactions can be severe. Often, however, a presumed allergy is the result of biogenic amines which can develop when fish spoils.

67. Life sustaining or toxic waste

Robb, Dave

Fish Farmer (v. 30 no. 2 2007) page(s) 34-35

Looks at the balance between contaminants in the food we eat, particularly fish, and the benefits from consuming it. Concludes that fish are an essential component of a balanced diet.

68. Maternal fish consumption benefits children's development

Myers, Gary J.; Davidson, Philip W.

Lancet (v. 369 2007) page(s) 537-538

Describes the value of nutrition in fetal and infant development by associating children's development with their mother's fish consumption. Linked to article accn no. 32012.

69. Maternal seafood consumption in pregnancy and neurodevelopmental outcomes in childhood (ALSPAC study) : an observational cohort study

Lancet (no. 369 2007) page(s) 578-585

Reports on a study on consumption of seafood during pregnancy and neurodevelopment in childhood. Findings show that risk from the loss of nutrients were greater than the risk of harm from exposure to trace contaminants in 340g seafood eaten weekly.

70. Something fishy?

Consumer (no. 469 2007) page(s) 12-15

Reports on the results of tests of 29 fish oil and fish oil combination supplements checking omega 3 levels and oxidation levels.