# Thinking pink boosts state

### ROGER HANSON

THE salmon industry, which bolsters regional Tasmania, is worth more than half a billion dollars a year to the state's economy and still growing, says a new report.

Bigger salmon growing regions such as Norway and Scotland are now looking at Tasmania's inno-

The Huon region is rapidly becoming known around the world for harvest practices, quality and production of premium

Tasmanian Salmonid Growers Association chief executive officer Adam Main said the new food production ScoreCard report emphasised the growth of the sector, which now employs more than 1100 people.

"The industry welcomes release of the ScoreCard, [which] identifies why aquaculture is one of the key sectors of the economy." Dr Main said, "It also important to note the majority of investment and jobs growth is in rural and regional Tasmania."

The report, produced by the Department of Primary Industries, Parks, Water and Environgrew by more than \$390 million in the seven years to 2012.

'The industry has matured and for the past 20 years has been in a growth phase," it said.

grow in a controlled and sustainable way to satisfy increasing consumer demand for salmon.

"Our pressure comes from our success. Our growth isn't just about getting bigger. We're committed to growing smarter with at Macquarie Harbour is signifithe highest level of sustainability," Dr Morehead said.

He said the newly announced roll-out of a \$43 million stock covering 362ha of leasable area protection system would help on-water. The industry is setting stop fish losses to seals and targets to almost double pro-

cent increase in salmon pro- and 79,000 tonnes by 2030. duction without putting one more pen in the water" he said.

### Tassie a leader in innovation



BOOM: Petuna's Wayne McDermott with a farmed salmon.

in recruitment, training and de-salmon was no exception.

Australia Fund to relocate fish way," she said. farming infrastructure from the Strahan waterfront to a proposed aquaculture hub at Smiths Cove

It allows expansion of the salmon industry on the west coast about 7 per cent of trade revenue. duction from 34,000 tonnes to This could deliver a 10 per more than 60,000 tonnes by 2020 Economic Development Plan.

Tassal's head of sustainability Linda Sams said Tasmania was a

The \$7.14 million provided unany growth has to happen in a der the Regional Development well thought-out and responsible

> of Tasmania's food trade revenue comes from 10 categories, including beef confectionery salmon abalone. All other foods represent

'The State Government has

Huon Aquaculture's business development manager David Morehead said the industry must velopment and expects its work-force to grow from 450 to about Morehead said the industry must velopment and expects its work-force to grow from 450 to about Tasmanian Government . . . [but]

The vast majority (93 per cent)

support to the aquaculture indus-

RISING out of the Huon River like a giant jigsaw crown is a world-first salmon protection pen, which is the first link in

design for the salmon industry globally, Huon Aquaculture's managing director Peter Bender seals out safely and salmon in. The project will create 15 new

jobs at the farm and generate

another four jobs building pens Huon Aquaculture's \$43 million in the Huon. It has 140 pens at The system, launched at the Hideaway Bay farm in the deep seals and other predators cost the

year in lost production, or about 10 per cent of the 14,000 tonnes of

The system uses two nets

to keep seals from jumping into of anti-fouling agents. the pen and keeps fish away from seals. The designs provides a

"It is new technology that is allowing us to do this and the improvements for farm workers. they protect." Mr Bender said.

"It brings together cutting-

The intelligent and inquisitive

New fish protection pen gets the seal of approval

seals weighing more than 400kg fully enclosed walkway for the not only decimate fish stock, but pose a major threat to the safety of the company's 450 staff.

pens are expected to bring safety a pen as a diver and a 450kg seal comes lunging at you. They can bite can inflict serious wounds." Huon Aquaculture co-founder

The best way to protect and keep seals safe is prevent them from entering our pens in the first place, thereby teaching them to

eat elsewhere.' Seals cleverly work their way into pens. They gradually force open a gap and then call in other seals to join the feed. They target any weakness above and below the water. In the past 12 months there have been almost 11,000

and more than 1000 seal entries

from July 2012 to June this year. A section of the protection system uses local windsurfing

"One of our staff is a wind-surfer and with his input we're using technology from that sport so the system can withstand buffeting Tasmanian winds,' Mrs Bender said.

The cutting-edge protection system is made from Dyneema, a

**Growers thrown line of income** 

new pen system was supported by funding through the Australian Government's Fisheries Research and Development Cor-Aquaculture sub-program: trial of a stock protection system for

Australia's premiere privately

pany, expects the project will

The initial trial project for the

ake three years to roll out.



### Lifting quality of our salmon



culture is working on a new quality measurement guide for shelf-life properties. When her research is com-

TIA's Food Safety Centre is helping to ensure that the salmon "performs" at its highest ability for consumers.

"Tasmania has a unique global reputation in producing exceptional salmon products," TIA Food Safety Centre leader, Professor Mark Tamplin, said.

cess is supply chains that deliver the highest-quality products to to be partnering with Huon Aquaculture on a research project that will help the salmon excel in its domestic and inter-

At the centre of the project is TIA honours student Olivia

"I am producing a mathematical model that explains how storage temperature affects the shelf life of whole fresh salmon,"

Ms Churchill said. "When I complete my honours project, Huon Aquaculture will ave a science-based tool to help them design supply chains so that their products have a long shelf life.'

The company is supporting the project by supplying salmon so

pleted, the data will be trans formed into predictive models

As part of her studies, a panel of Churchill. At different points of storage, they evaluate salmon measurements that reflect prod-

Her ultimate goal is to deter mine how these factors change over time and under different storage conditions

"We plan to integrate Olivia's model into our traceability sys tems," Justin Thurley, manager of Huon Aquaculture's infor mation technology services, said

"This will allow us to provide better information to our cus tomers in relation to product quality and freshness.'

Huon Aquaculture Group pro duces more than 14,000 tonnes of fresh salmon a year and is recognised globally as a premium producer of fresh and smoked almon products.

Huon employs more than 450 multi-skilled staff in most states of Australia. According to the Tasmania Salmonid Growers As sociation, the industry as a whole produces nearly 40,000 tonnes of product a year, valued at more

## Fishing for consistency is the name of the game

standardise fish names in Aust-

The Australian Fish Names List and Standard, a world first. consumer confidence.

Seafood Services Australia

the \$2.5 billion Australian seafood

know when they ask for a specific are getting the right fish," Ms

"No other country has been may depend on where it is caught stoe said confusion over fish able to achieve national consenbut there are now moves to names can undermine confidence sus on fish names. This list now and long-term sustainability of contains 5000 names of Australian and imported species.'

"The standard has made label-"Seafood consumers want to ling and marketing in Australia consistent fish names to build fish anywhere in Australia they labelled with the correct Standard Fish Name, which helps provide

made to add the new group name Deepsea Dory to cover the four Oreodory species (Spikey Smooth Oreodory, Warty Oreodory and Black

Oreodory). While there are concerns that the group name Deepsea Dory is similar in name to the iconic

The first application has been and Silver Dory, they do not industry, since about 1920. The nade to add the new group name compete in the marketplace.

name Flake by adding a new name Flake. group name Flake to cover two species, Gummy Shark and the species known in New Zealand as

industry had identified that the The second application has meat from other inferior species been to legitimise the use of the of shark has been sold under the "If this application is success-

ful, the name Flake will apply to Flake has been the name used, animal that will continue to be

For more information visit the website www.fishnames.com.au. Ms Christoe said if there is information or evidence of fish mislabelling, consumers should contact the supplier first.

If dissatisfied with the explanation or response, contact the marketplace and not the whole Australian Competition and Consumer Commission at www.acc-

### VEGETABLES could soon be on

the plate for use in aquaculture. Innovative research into alternate uses for vegetable products source of high-protein fish food.

A healthy diet of vegetables

industry grow up big and strong. The vegetable industry is cur-

insects for the production of high protein fish food for use in

Australia's leading horticulture body. AusVeg. says feeding fish using vegetables may prove an excellent revenue stream for

Hermann said 2.2kg of vegetables can produce 1kg of insects such as

would see vegetables used to feed about 42 per cent high quality protein and a viable alternative to ish-meal. "Insects are a high quality,

high yield and sustainable alternative to fish-meal," Mr Her-Australian aquaculture is re-

stricted by its reliance on fish-"This is exciting research as we

cast a wide net to find alternative