

OceaNZ Blue Ltd

The Hatchery Operation

Overview of OceaNZ Blue Ltd

- In operation for 3 years
- Targeted production of 140 tonnes live weight PA (1.6 million paua)
- Currently have 2.5 million paua on site
- To produce 1 million plus spat for enhancement

Breeding

- 1 wild paua may produce 1 offspring
- Wild paua spawn in less than 5 meters of water
- Wild paua don't spawn every year
- 1 captive paua will produce 100,000 plus spat per spawning.
- Hatch rate greater than 80%
- Settlement rate greater than 10% (30,000 per tank)

Wild Paua

- 3.5 paua to the kilo
- 1000 tonnes of TAC per annum
- Roughly 3.5 million paua legally harvested per annum.
- Total population of 35 million harvestable paua?
- Average age of 25

Wild Paua cont'd

- This equates to 35 million offspring every 25 years.
- 1.4million paua spat being produced
- A 2.1 million deficit of spat
- These calculations are assumptions

Spat production

- Currently at 2.2 million per annum (10mm)
- Goal is to produce 4 million PA (7-12 mm)
- Spat at 10mm are 5 months old

Genetics

- Presently paua used for enhancement must be breed from stock from that area.
- OBL can presently ID parents of paua
- Geographic family's???
- Further research
- What happened in Australia

Diseases

- Each transfer to the wild must be free of diseases (\$2500 per test)
- Disease certification after 2 years of clear tests, then test required on an annual basis.
- The disease risk comes from wild paua populations
- Exotic disease testing is market driven

Cost and size

- Charged @ 4 cents a mm plus costs (packaging and freight)
- Minimum charge of 30 cents each
- 7-10mm is our preferred size to market (spat)
- Larger animals available by negotiation.

Future Hatchery Production

- Establish secure markets to enhancement
- Consider expanding the nursery to supply enhancement programmes
- Develop other on-growing facilities (farms)
- Supply other farms with spat

Summary

- To focus on OBL requirements
- Explore spat sales for enhancement
- Explore spat sales to other farms
- To have a better understanding of genetic and disease issues.