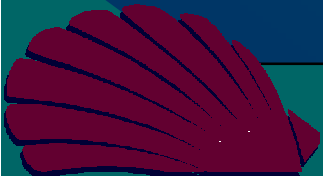




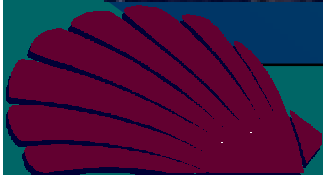
Challenger Scallops

Success & Sustainability In A Shared Fishery

Russell Mincher
Chief Executive Officer
Challenger Scallop Enhancement Company



Overview



Overview

F Background

- F Location

- F History of Fishery

F Challenger Programme

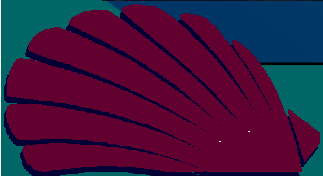
- F Business & Representation

- F Enhancement

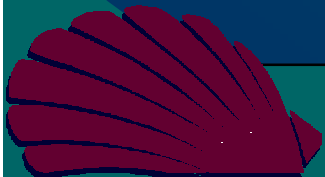
 - F Scallop Biology

 - F Intervention

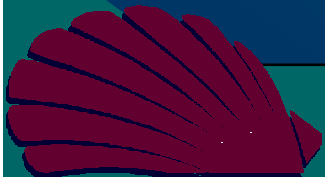
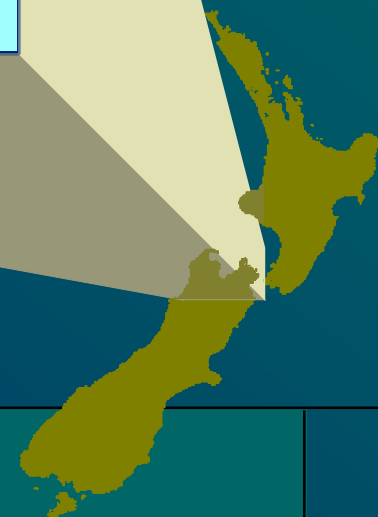
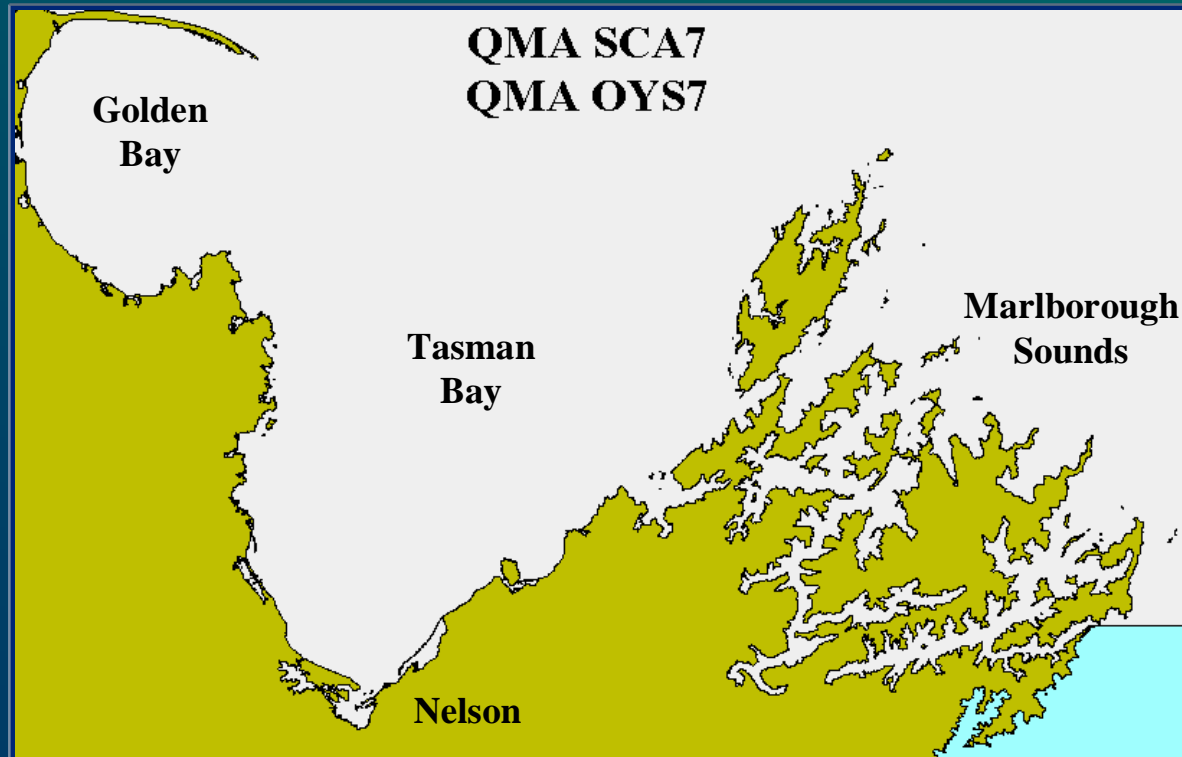
- F Harvest Management



Background

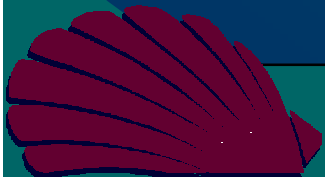
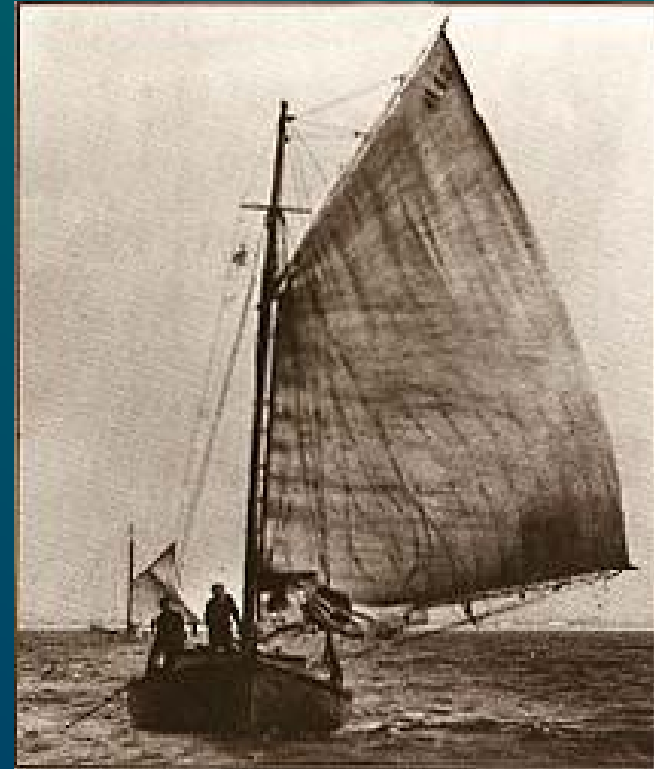


Location



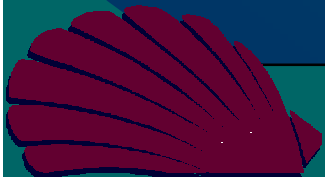
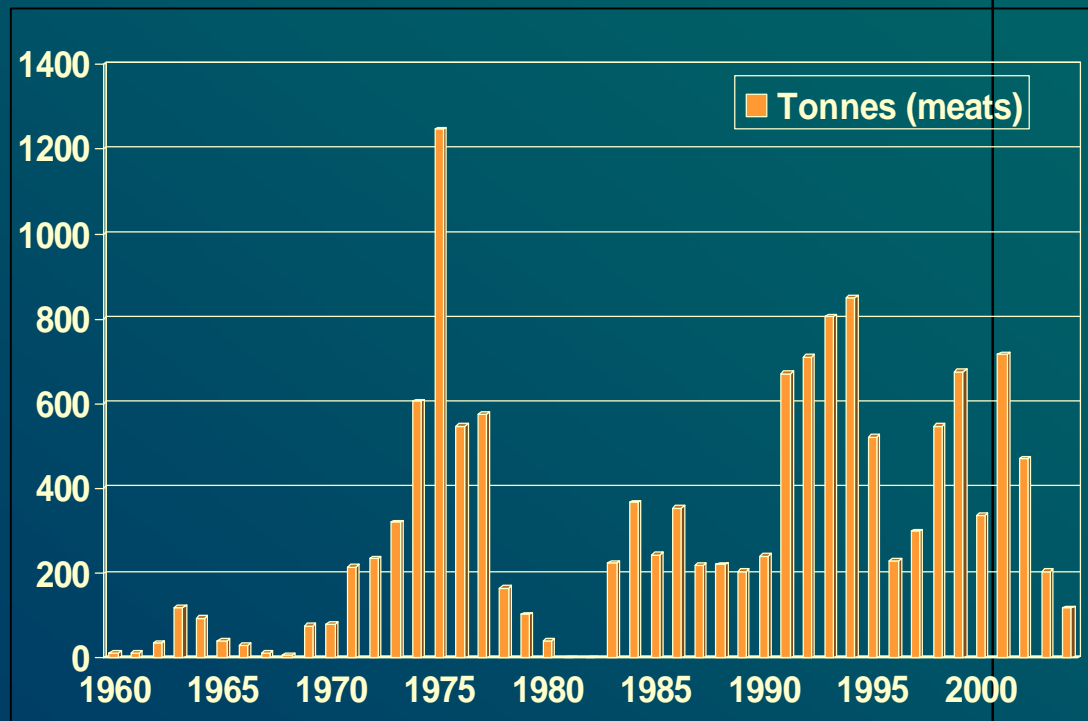
History of Fishery

- F Oyster dredging 1845
- F Green-lipped mussel dredging since 1940's
- F First commercial scallop landing 1959

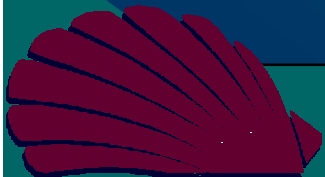
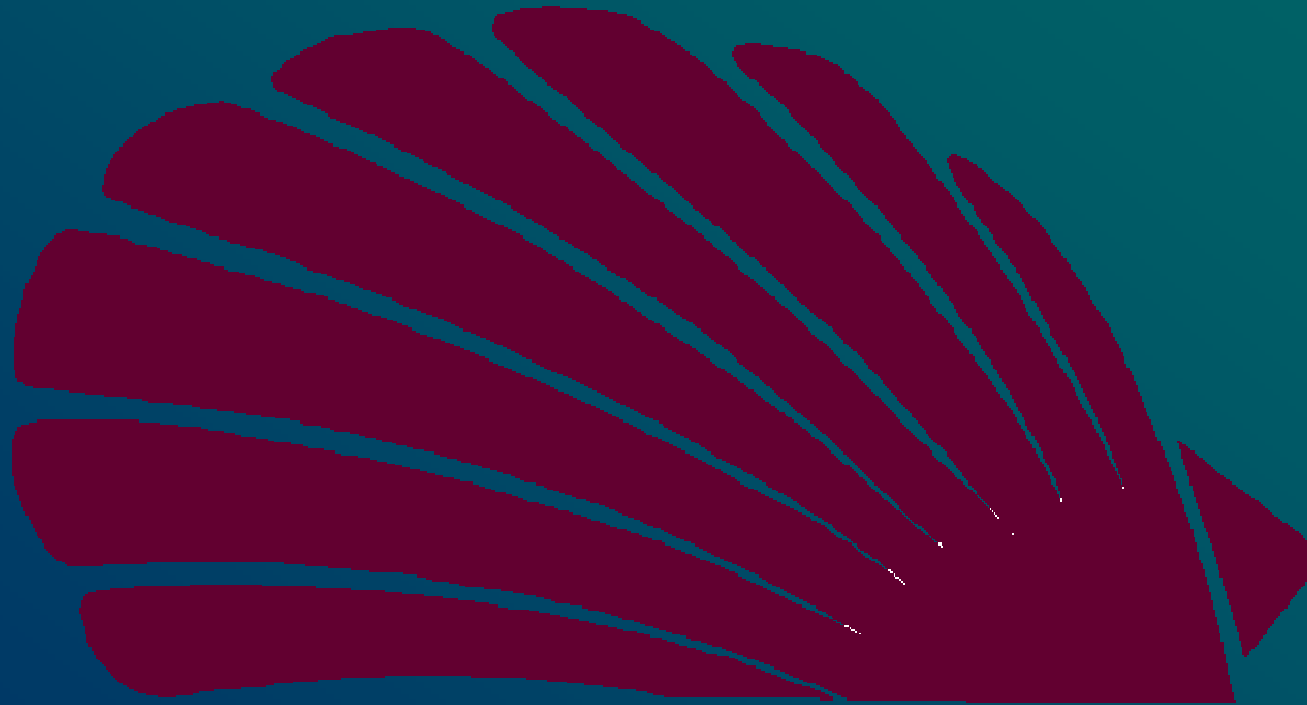


History of Fishery

- F Oyster dredging 1845
- F Green-lipped mussel dredging since 1940's
- F First commercial scallop landing 1959
- F Boom 1975
 - F Open access
 - F Over 200 boats
 - F 1,248 T landed
- F Bust 1980
 - F Controlled Fishery
 - F 48 boats permitted
 - F 41 T landed
- F Fishery Closed

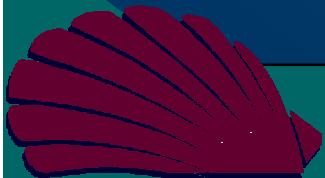
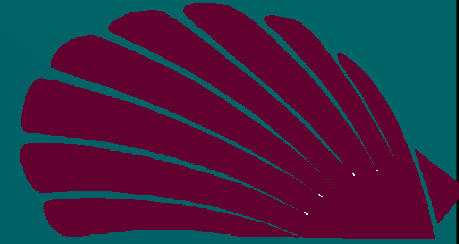


Challenger Scallop Enhancement Company Limited



CSEC

F Business & representation



Business & Representation

F Company Structure

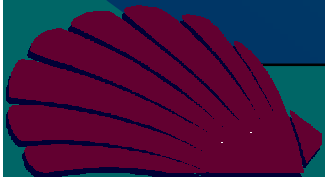
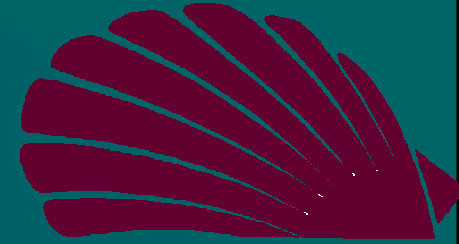
- F Unlisted limited liability public company
- F Shares exclusive to Scallop 7 quota owners
- F Voting on amount of quota owned

F Management

- F 10 – 11 member board
- F Business plan & budget set at AGM

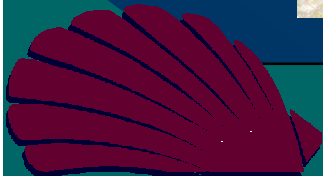
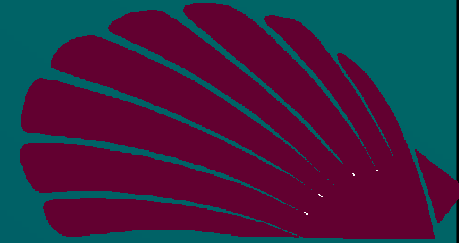
F Funding

- F Commodity Levies (Southern Scallops) Order
 - F Levy set at General Meeting
 - F Up to 25% of landed value of scallops



CSEC

- F Business & representation
- F Enhancement



Scallop biology

F *Pecten Novaezelandiae*

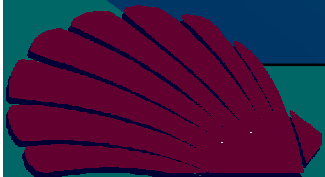
- F Bivalve mollusc
- F Prefers mud or sandy bottom
- F Functional hermaphrodite
- F Primary spawning early summer

F Pelagic stage

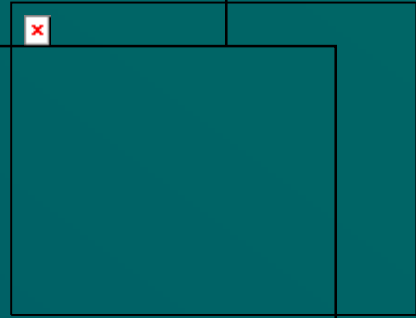
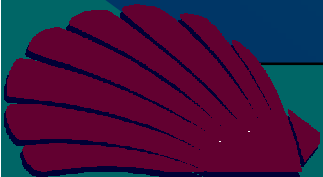
F Settles and grows into juvenile scallop

F Drops to seafloor

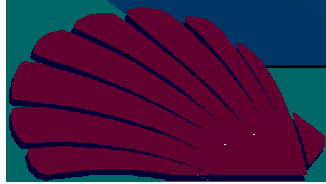
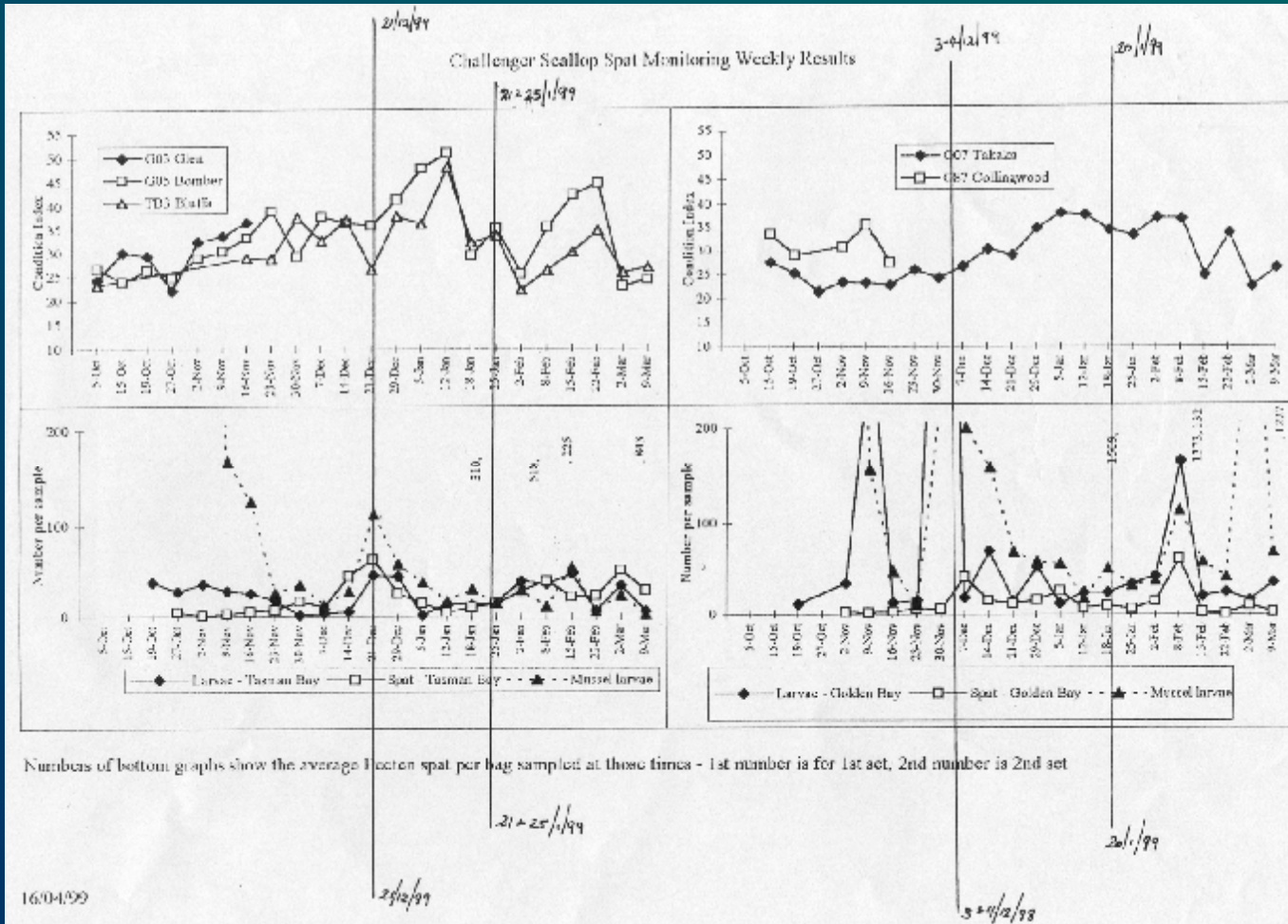
F Lives 3 - 5 years



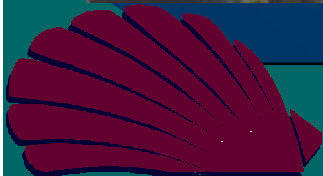
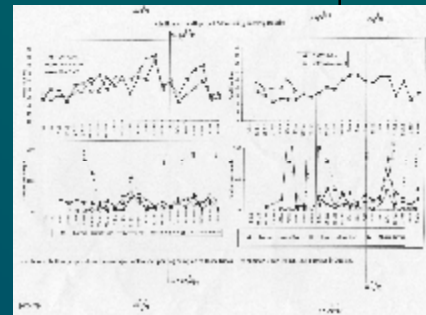
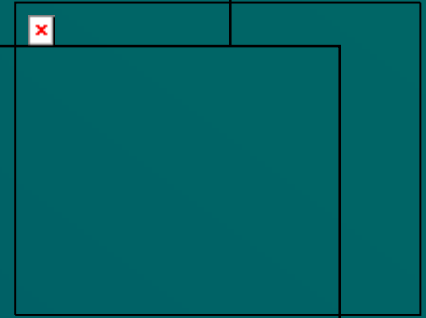
Enhancement



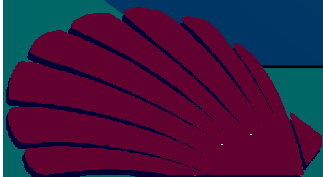
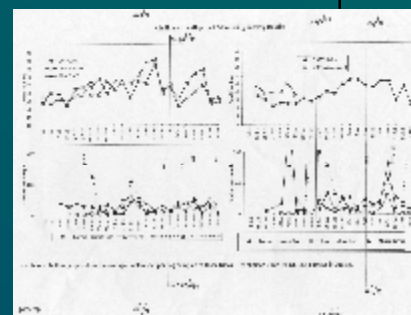
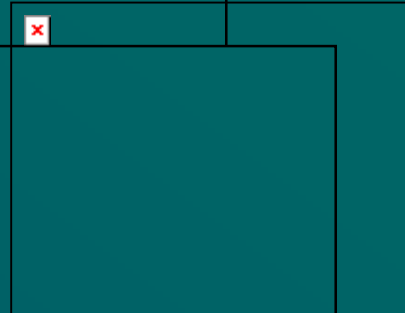
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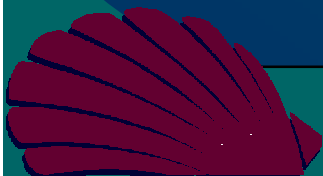
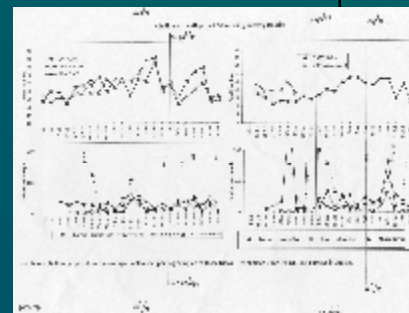
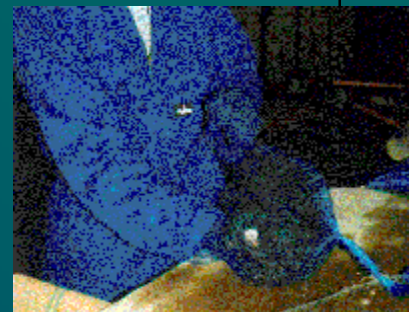
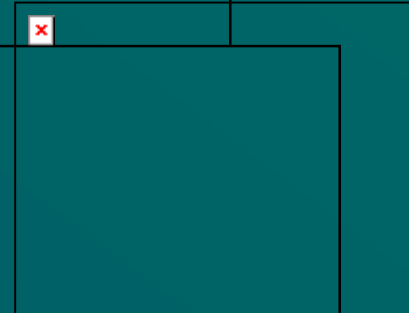
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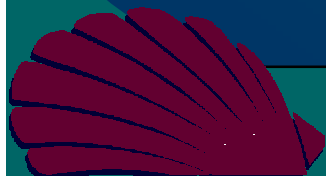
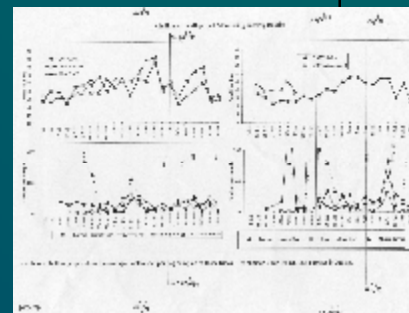
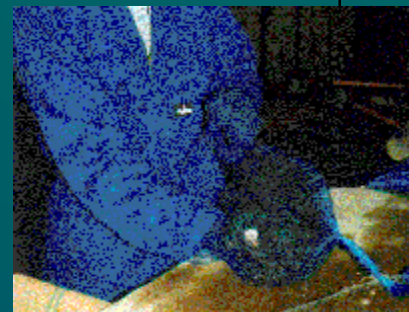
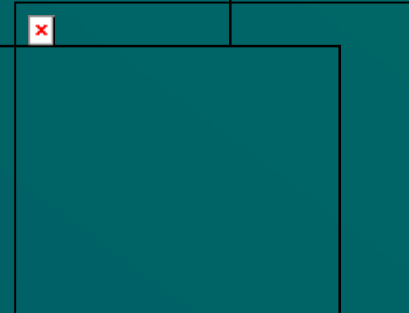
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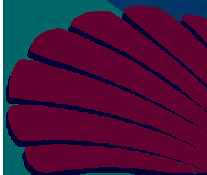
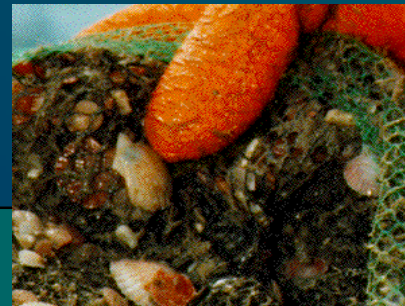
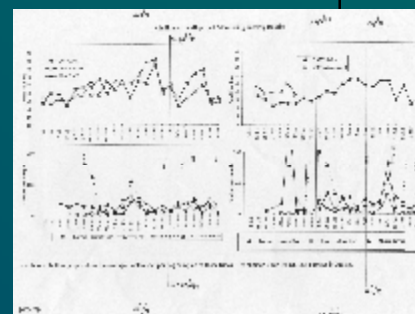
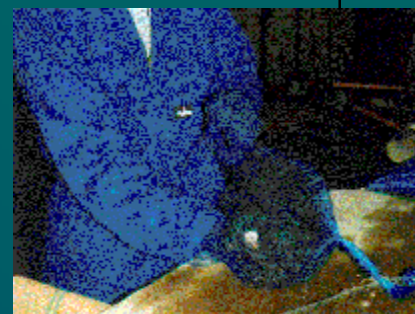
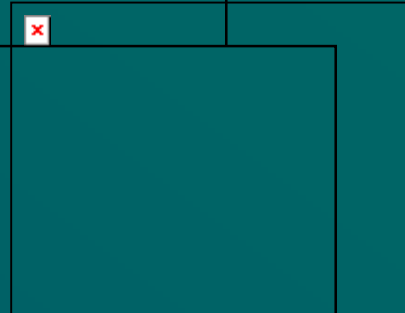
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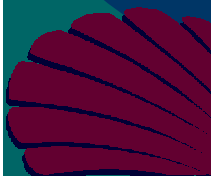
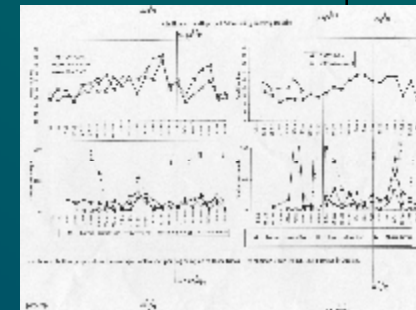
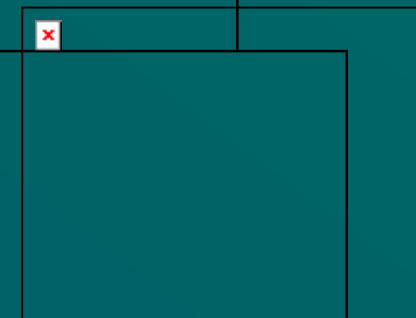
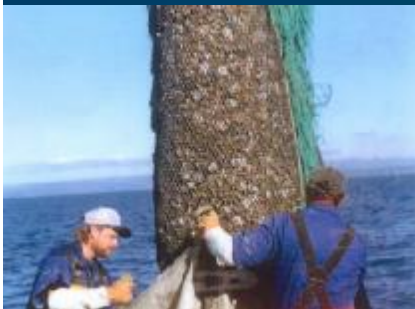
Enhancement



Enhancement

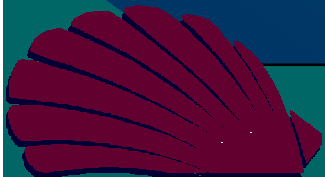
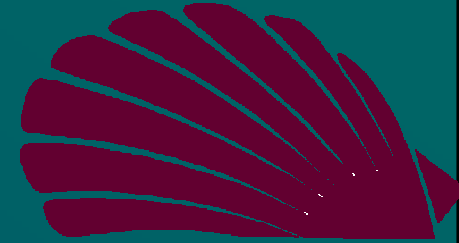


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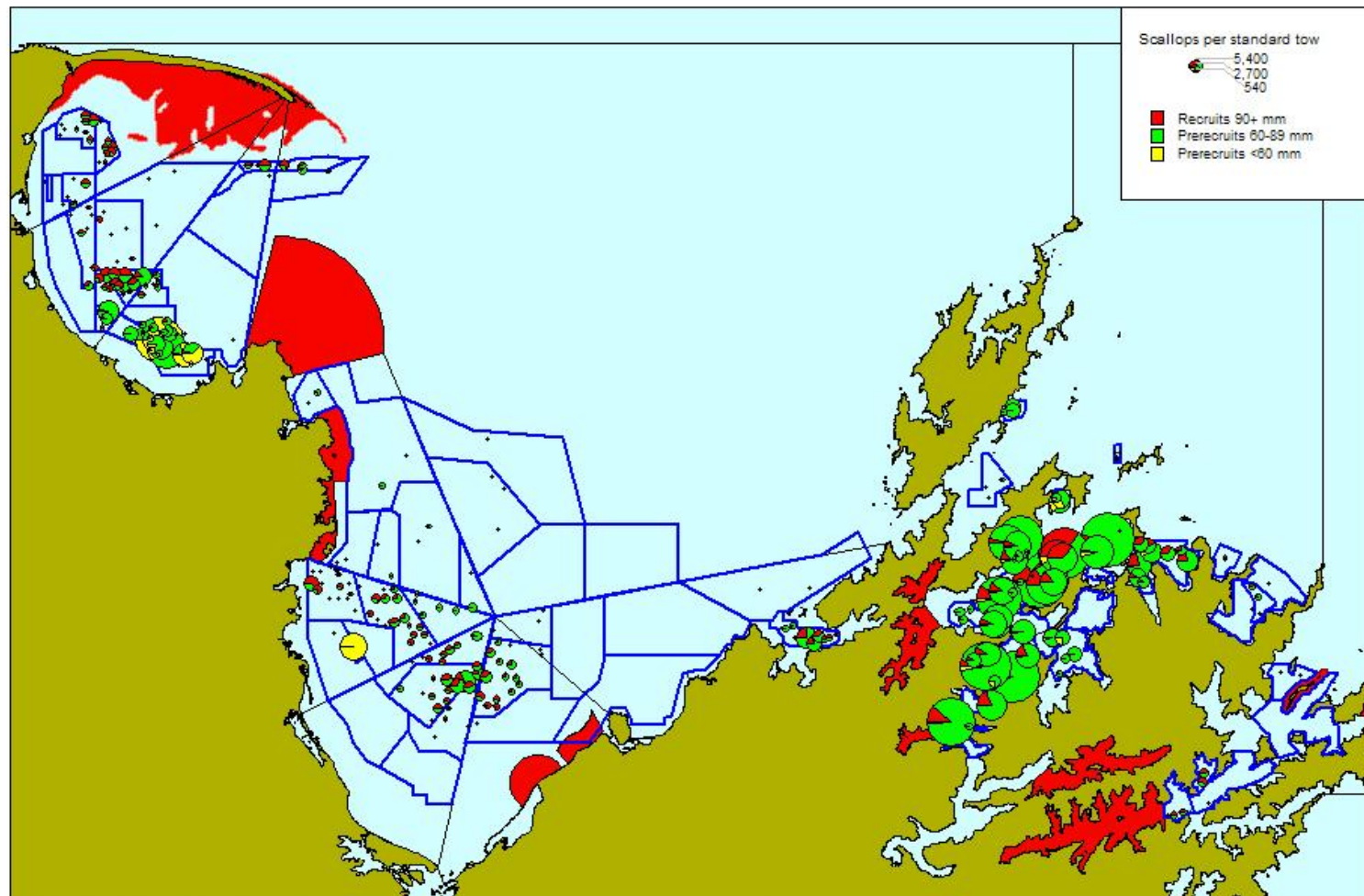


CSEC

- F Business & representation
- F Enhancement
- F Harvest management & sharing



Survey



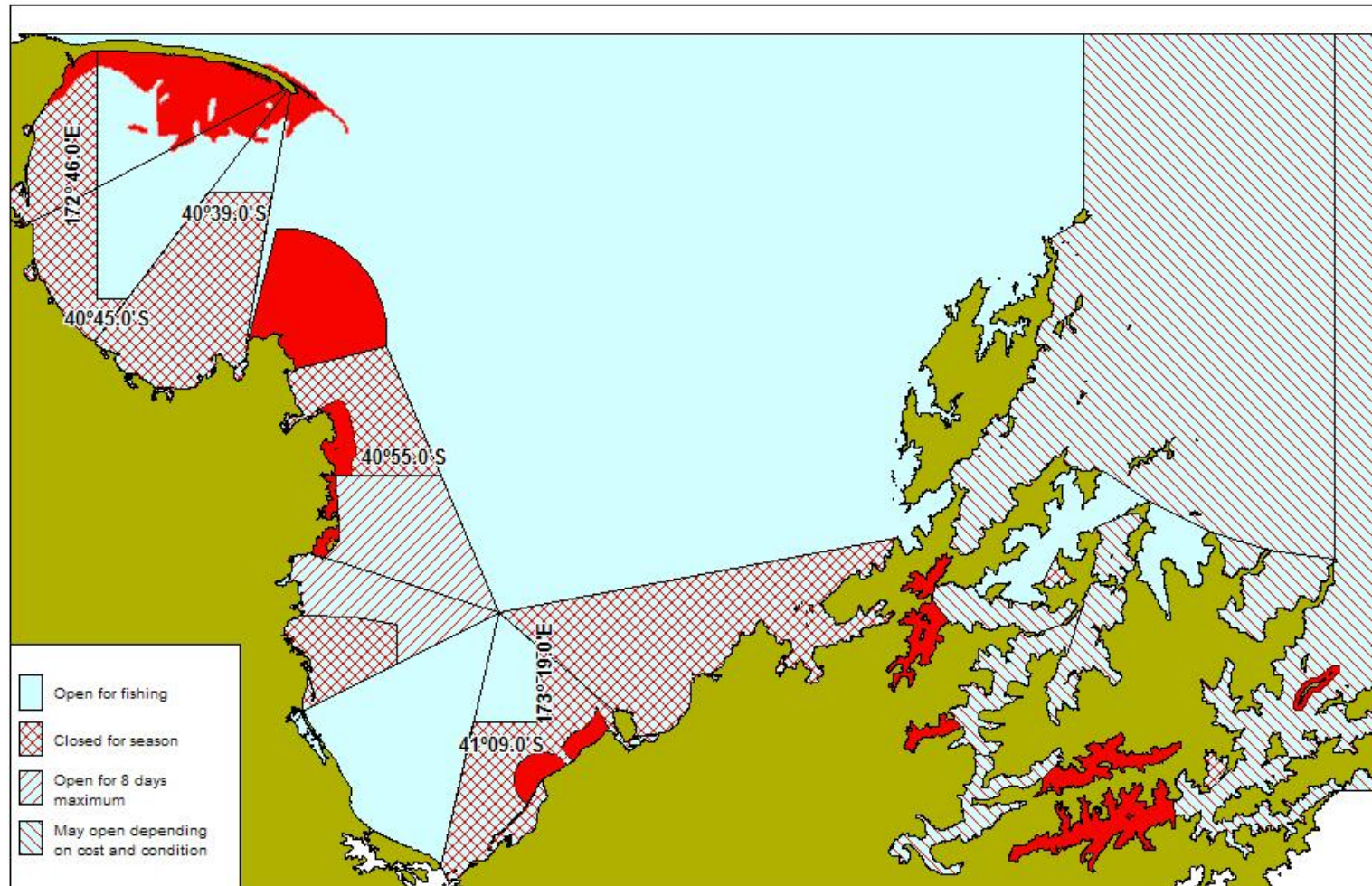
Annual Abundance Survey
May / June 2005



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Harvest recommendations after consultation



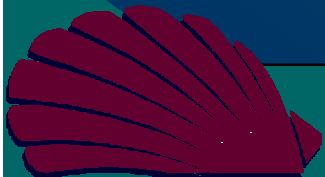
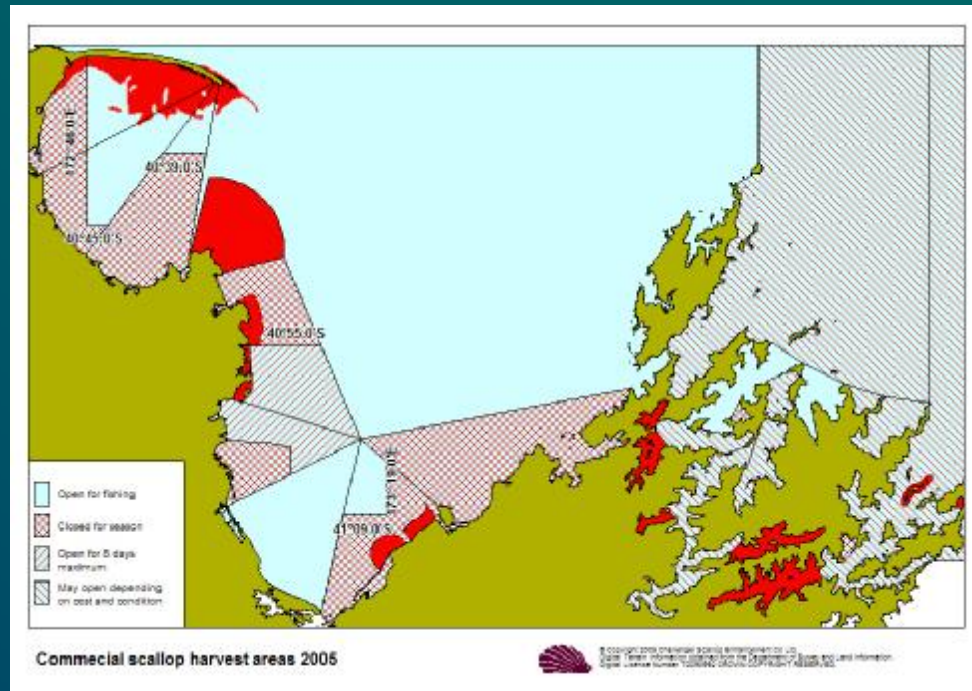
Commercial scallop harvest areas 2005



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Managing fisher behaviour

- F Harvest agreement
 - F Agreed rules
 - F 100% subscription
 - F Compliance programme
- F Rules
 - F Catch limits
 - F QMS
 - F Marlborough Sounds
 - F ACE shelving
 - F Vessel numbers
 - F Quality closures
 - F Dredge specification
 - F Fishing times
 - F Rotational Fishery
 - F Closed areas



Moving forward

F Fisheries Plan

- F Strengthen current instruments
- F Improve harvester commitment
- F Better framework for communication between stakeholders and with Government
- F Provide for environmental standards (SMEEF)

