



# MANX FISHERIES SCIENCE





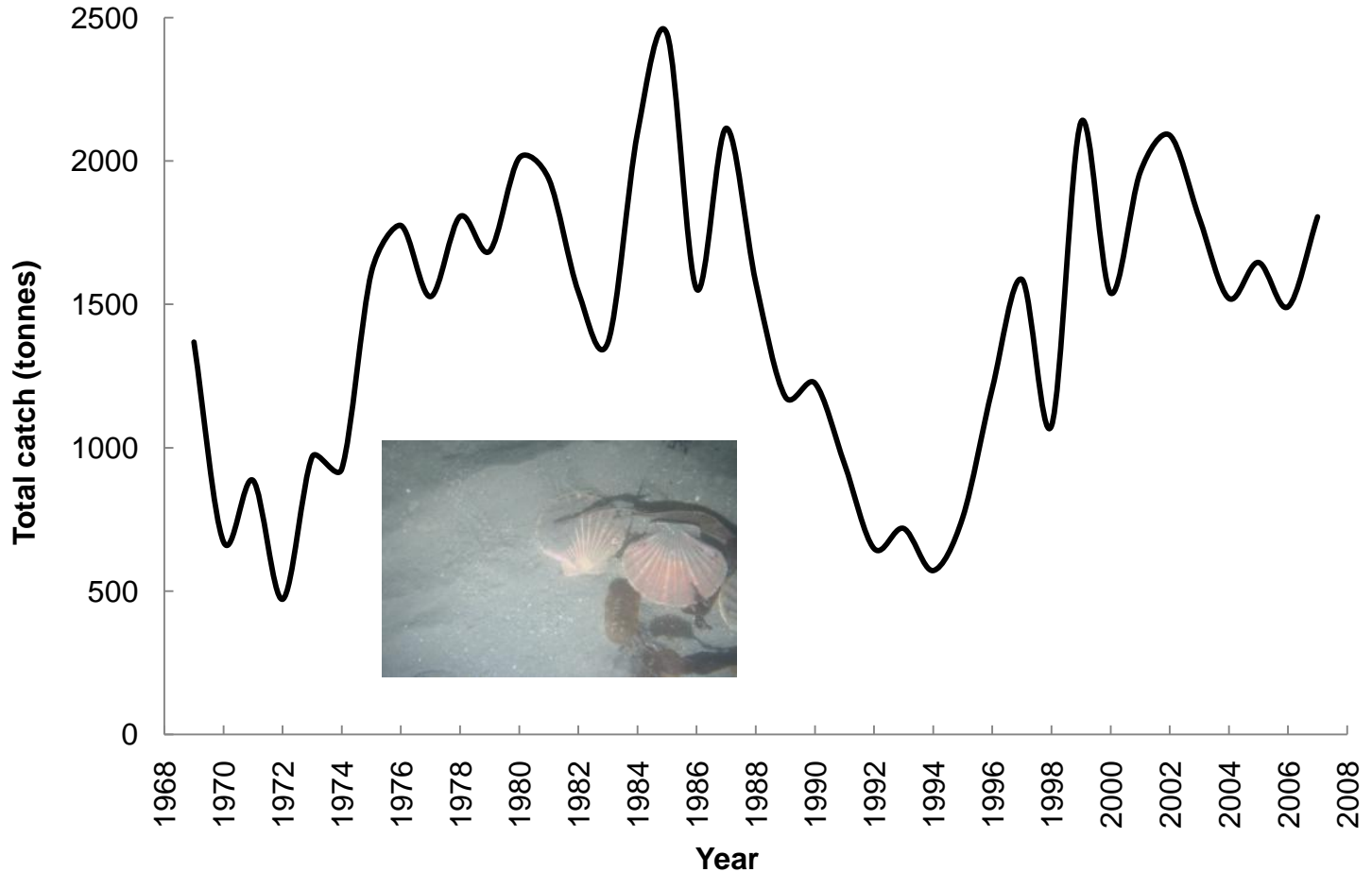
# AIMS

- Predict yields
- Maintain catches at a steady level
- Add value to fisheries
- Maximize diversity
- Minimize adverse impacts



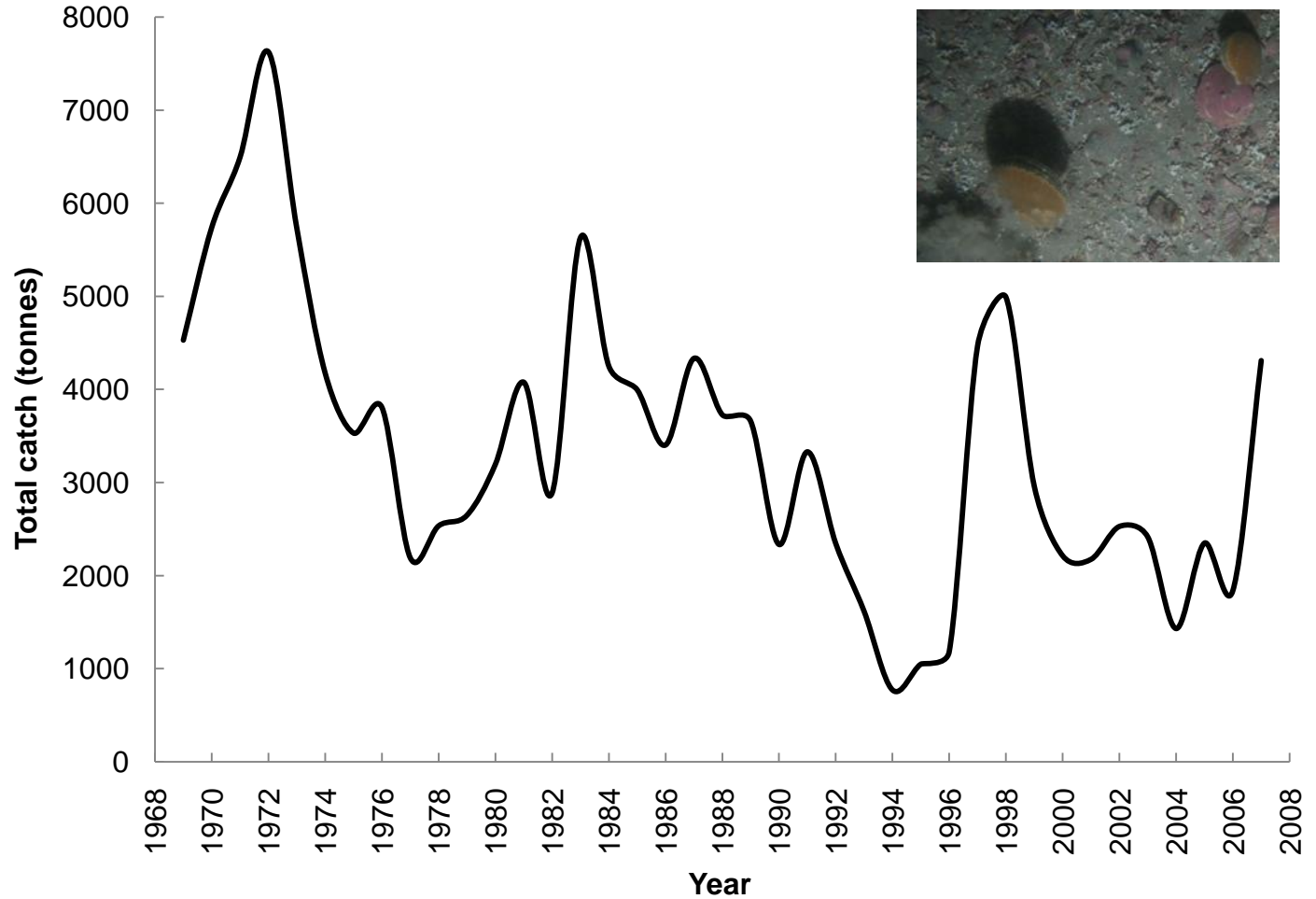


# KING SCALLOP LANDINGS





# QUEEN SCALLOP LANDINGS

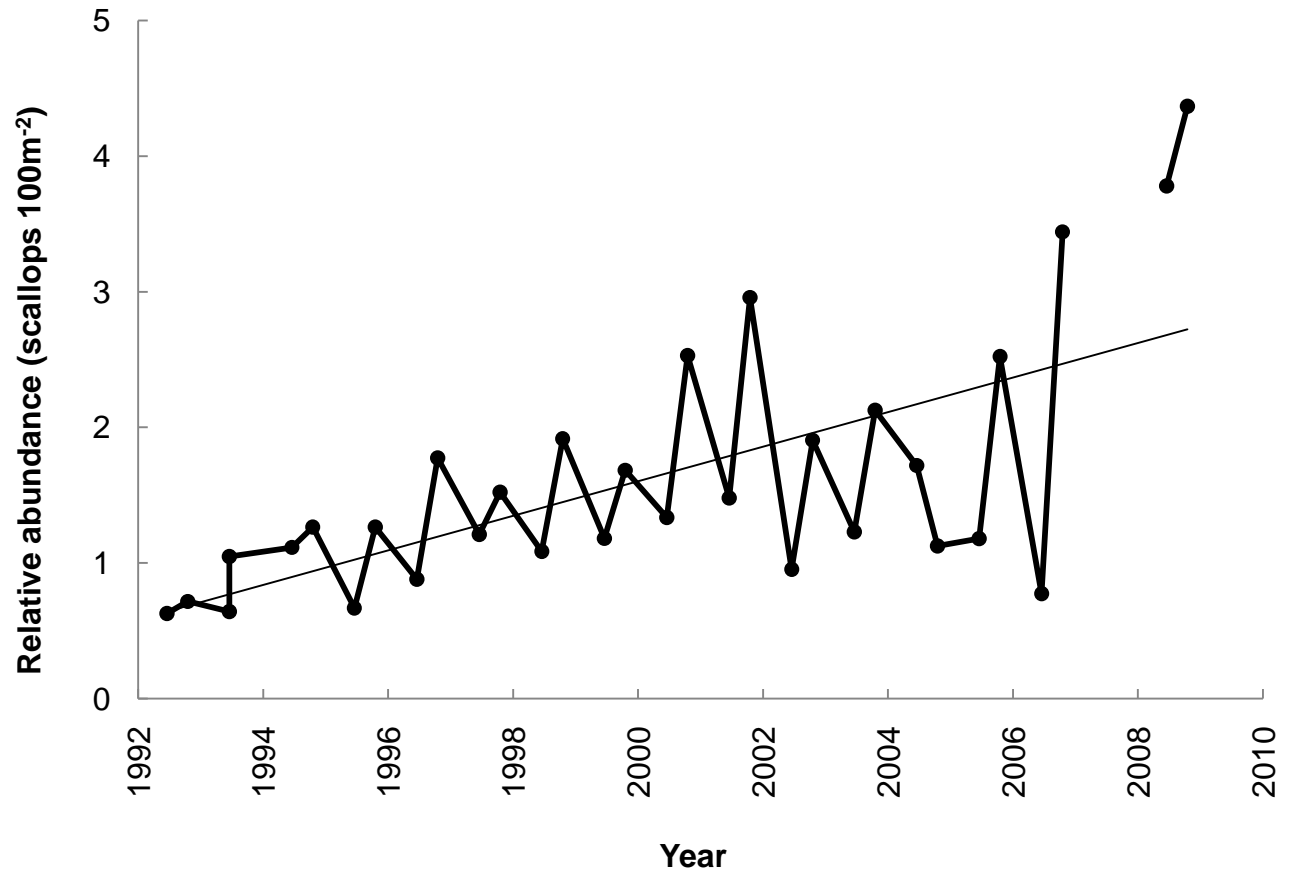






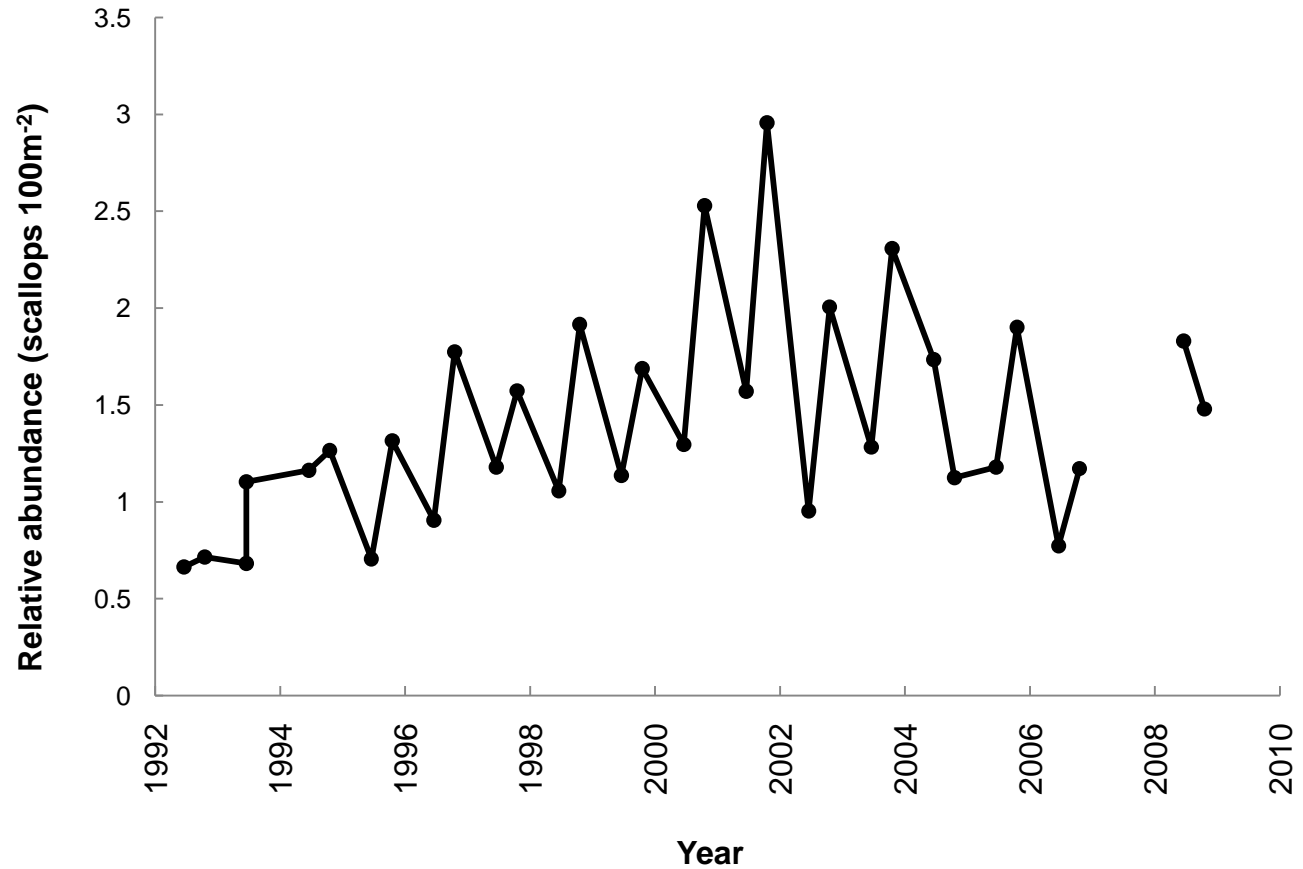


# KING SCALLOP ABUNDANCE



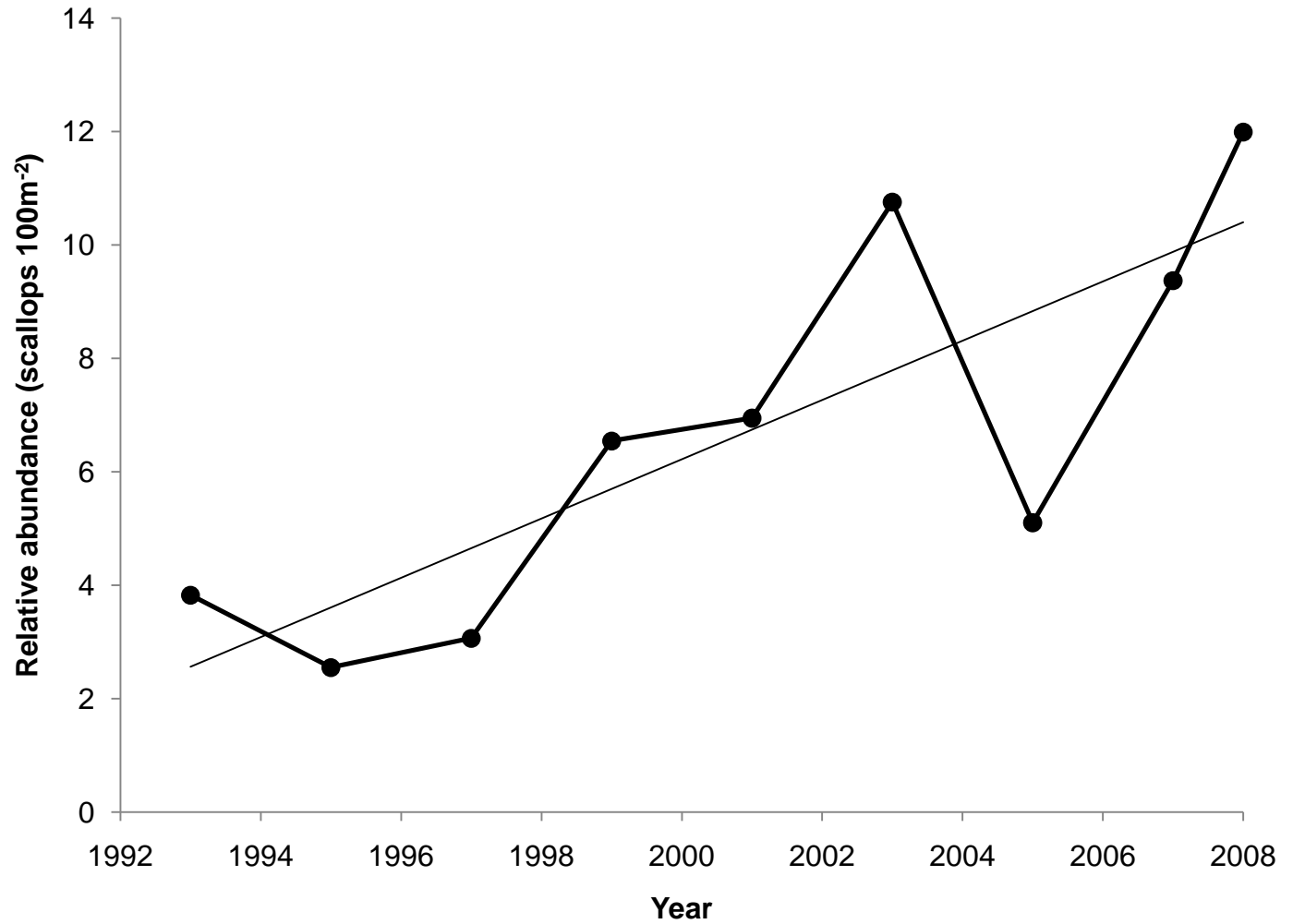


# KING SCALLOP ABUNDANCE: EXCLUDING TARGETS





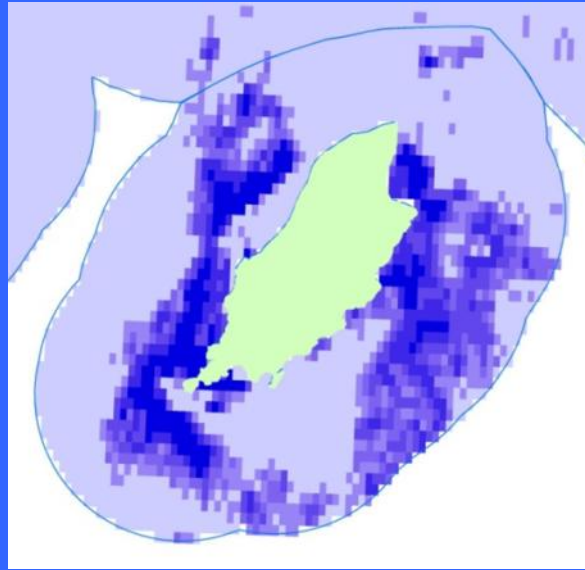
# QUEEN SCALLOP ABUNDANCE



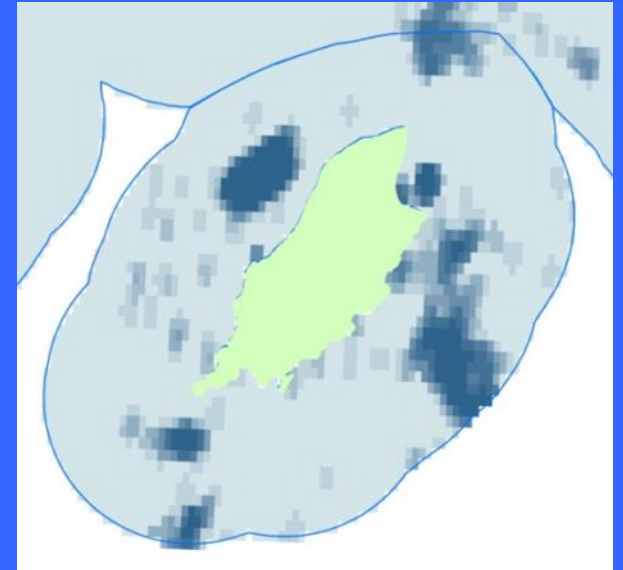




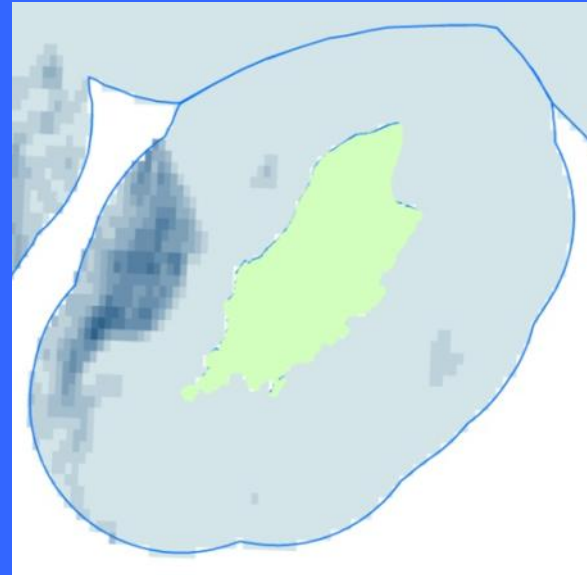
# VESSEL MONITORING SYSTEM



KING SCALLOPS



QUEEN SCALLOPS



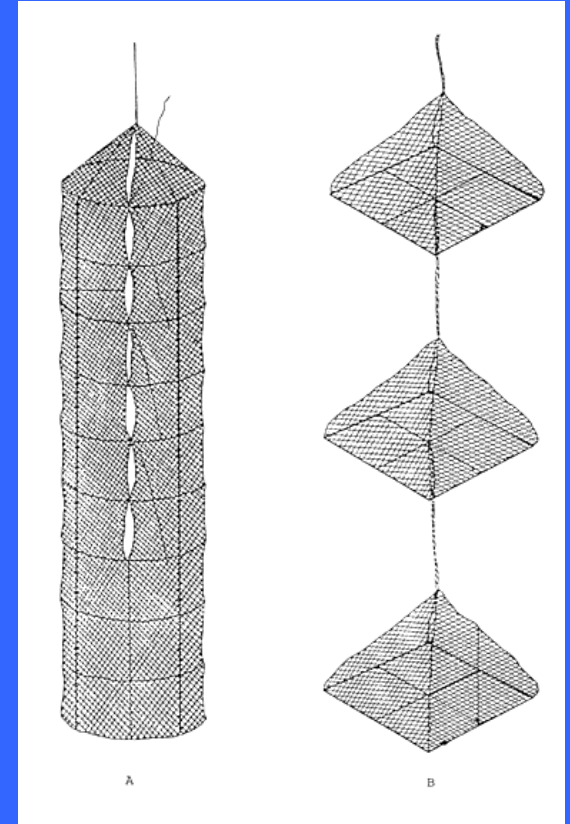
PRAWNS





# SCALLOP RANCHING

- Cultivate or collect spat
- On-growing in cages
- Seeding of seabed
- Predator management
- Harvest



FAO (1999)



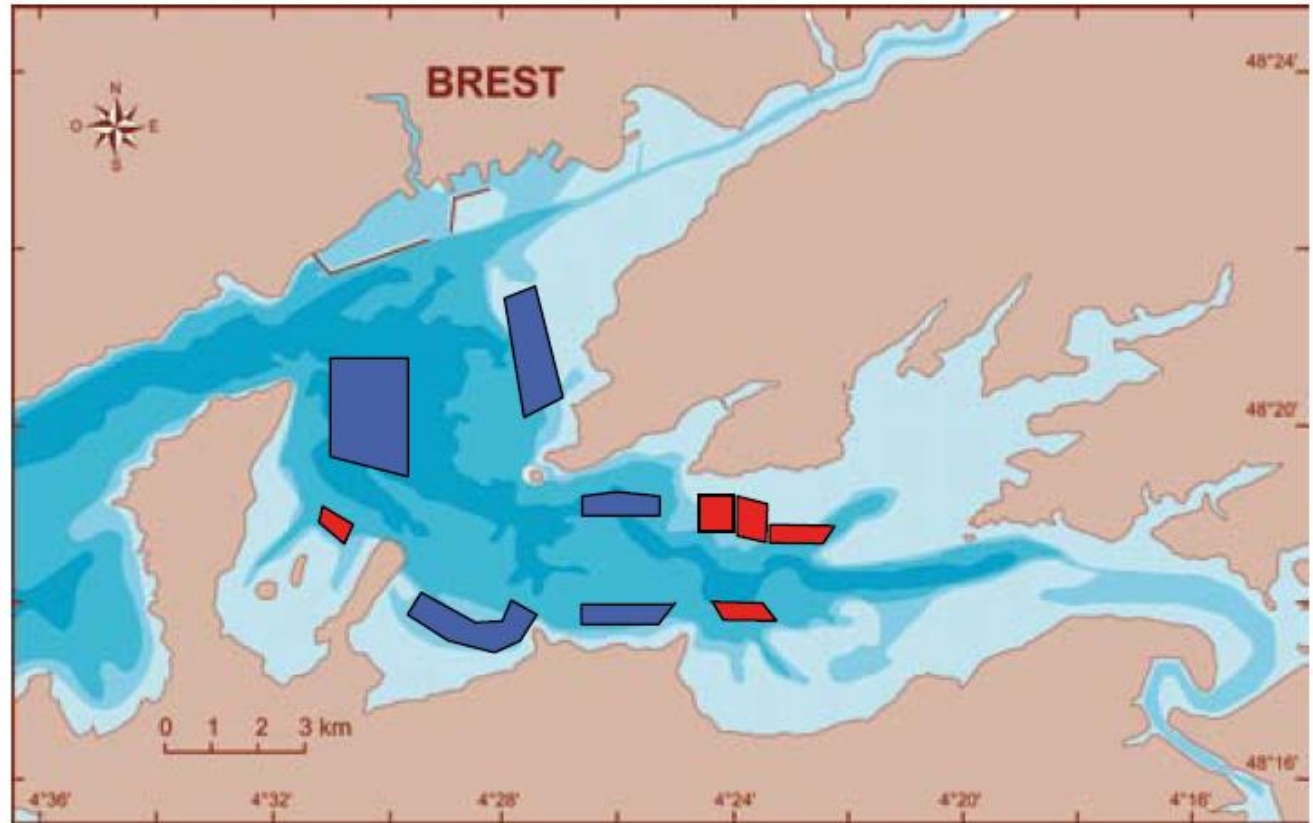
# SCALLOP CULTIVATION IN THE BAY OF BREST

- Scallop ranching developed in Brest following collapse of wild capture fishery
- Decline in landings from 2500 tonnes to 25 tonnes per year
- Scallop fishery October to March
- 300 tonnes per year
- 30% survival
- >25% recapture





# BREST SCALLOP FISHERY



Seeding on rotating reserve



Seeding on natural beds



Alban and Boncoeur (2006)



# SCALLOP RANCHING IN THE ISLE OF MAN?

- Where?
- Over what area?
- Who will be involved?
- Stocking densities?
- Management?
- Economics



PRIFYSGOL  
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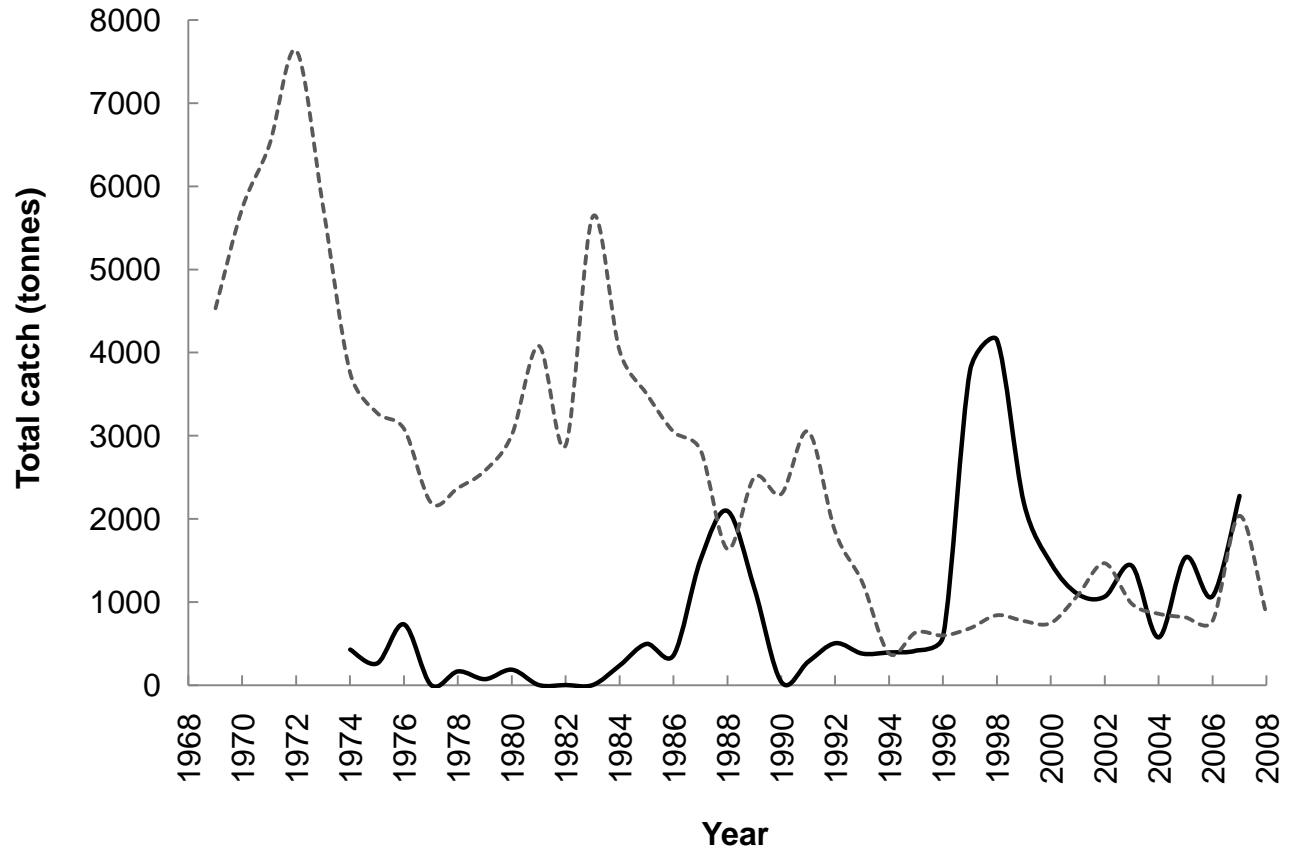


# KING SCALLOP LANDINGS





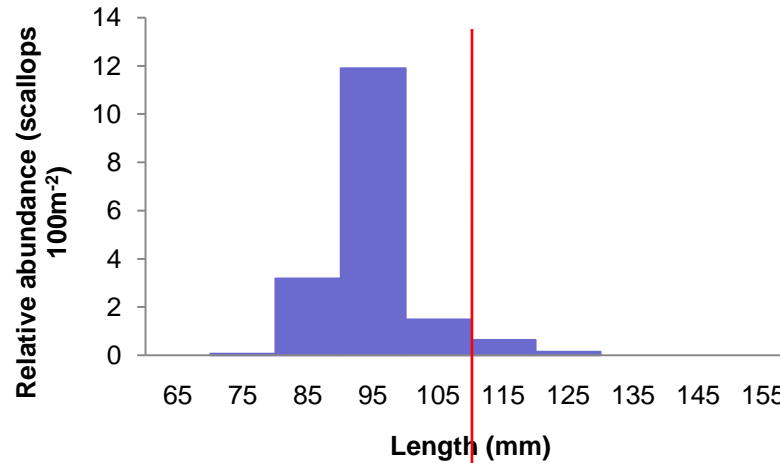
# QUEEN SCALLOP LANDINGS





# SCALLOP GROWTH AT TARGETS

## June 2008



## October 2008

