AIMS

• Predict yields
• Maintain catches at a steady level
• Add value to fisheries
• Maximize diversity
• Minimize adverse impacts
QUEEN SCALLOP LANDINGS

Total catch (tonnes) vs Year


Total catch (tonnes): 0, 1000, 2000, 3000, 4000, 5000, 6000, 7000, 8000
OCTOBER 2008 SURVEYS

Relative abundance (100m⁻²)

Site

BRI  BRO  EDG  LAX  MAG  PEL  POA  RAM  TAR

Relative abundance (100m⁻²)

Site

BRI  BRO  EDG  LAX  MAG  PEL  POA  RAM  TAR
KING SCALLOP ABUNDANCE

Relative abundance (scallops 100m⁻²)

Year

KING SCALLOP ABUNDANCE: EXCLUDING TARGETS

Relative abundance (scallops 100m\(^{-2}\))

Year

QUEEN SCALLOP ABUNDANCE

Relative abundance (scallops 100m$^{-2}$) vs. Year

- 1992
- 1994
- 1996
- 1998
- 2000
- 2002
- 2004
- 2006
- 2008

The abundance of queen scallops has shown an overall increase from 1992 to 2008, with fluctuations in 1997 and 2003.

A trend line indicates a general upward trend in abundance over the years.
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
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KING SCALLOP LANDINGS

[Graph showing the total catch of king scallops from 1968 to 2008.]
SCALLOP GROWTH AT TARGETS

June 2008

October 2008