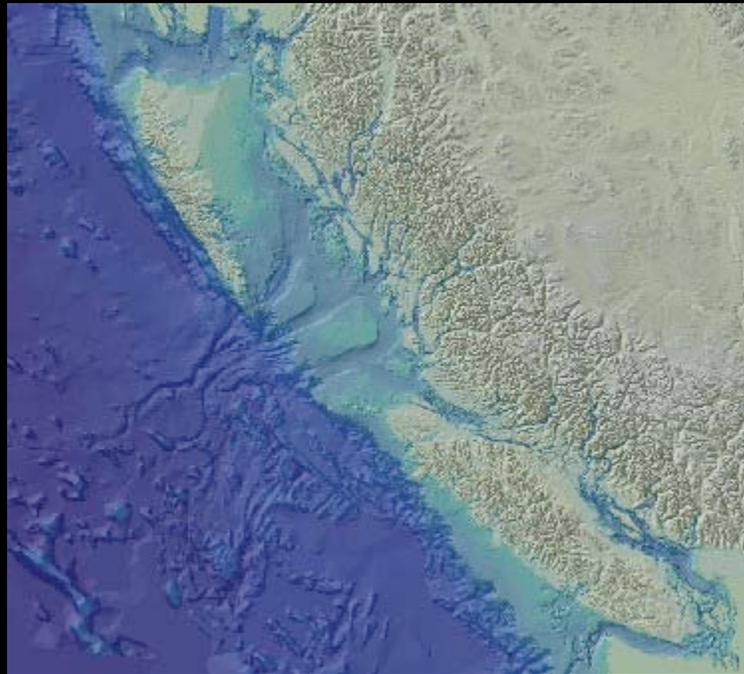


MIPARCG

Marine Protected Areas Research Group • Department of Geography • University of Victoria



Effectiveness of Coastal and Marine Protected Areas in Canada's Pacific Coast

Rosaline Canessa

Kristin Lunn

NAMPAN, March 2005



Outline

- Context
- Objective
- Indicators
- Legislation/IUCN Categories
- Size Distributions
- Ecological Values
- Threats
- Next Steps



Context

- State of Environment reporting for coast and marine environment
- Themes:
 - Population Pressures
 - Human Uses
 - Ecological Health
 - Biodiversity
 - Ecosystem Protection
 - Fisheries
 - Climate Change
 - Contaminants
 - Stewardship



Objective

- Regional overview of:
 - What ecological values are being protected within Coastal and Marine Protected Areas (CMPAs)?
 - How well are they being protected?



Indicators

- Enabling legislation
- Goals and objectives
- Number and size distributions
- Area protected
- Habitats
- Threats



Enabling Legislation

Marine Protected
Areas (DFO)

Protect and conserve fisheries resources,
threatened, unique, high biodiversity

Migratory Bird
Sanctuaries (CWS)

1% of populations, education and
interpretation

National Wildlife
Area (CWS)

Significant habitats, research, conservation,
interpretation

National Park Reserves
(Parks Canada)

Ecological integrity; public
understanding, appreciation, enjoyment

National Marine
Conservation Areas
(Parks Canada)

Representative; maintain and protect;
sustainable use; interpretation and recreation



Enabling Legislation

Ecological Reserves

Research and education; representative, modified, endangered, unique

Class A Parks

Representative biodiversity; enhancing tourism, enjoyment

Wildlife Management Areas

Maintain native wildlife heritage diversity; opportunities for use and enjoyment;

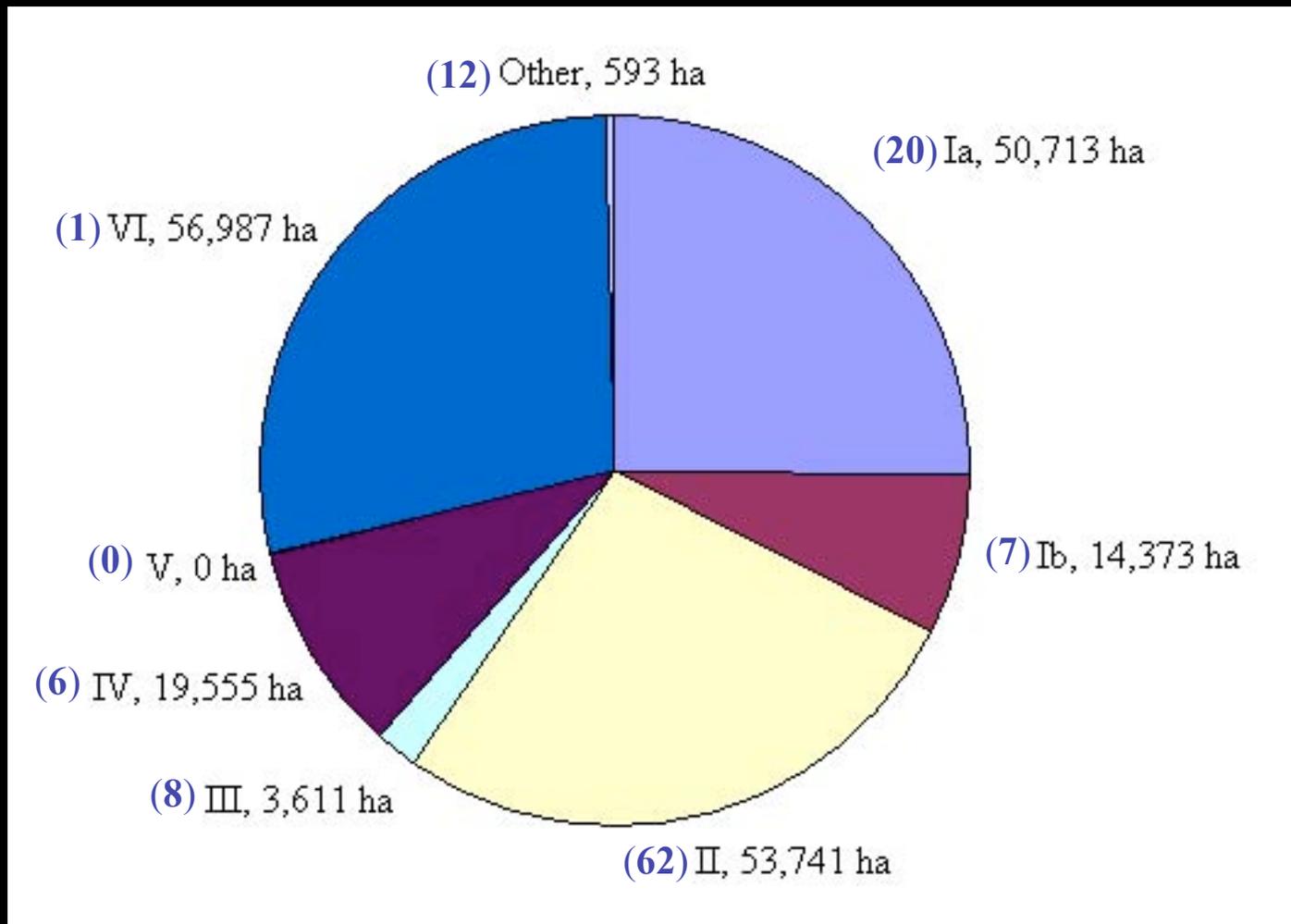
Protected Areas

Representative ecosystems, recreational opportunities, cultural values

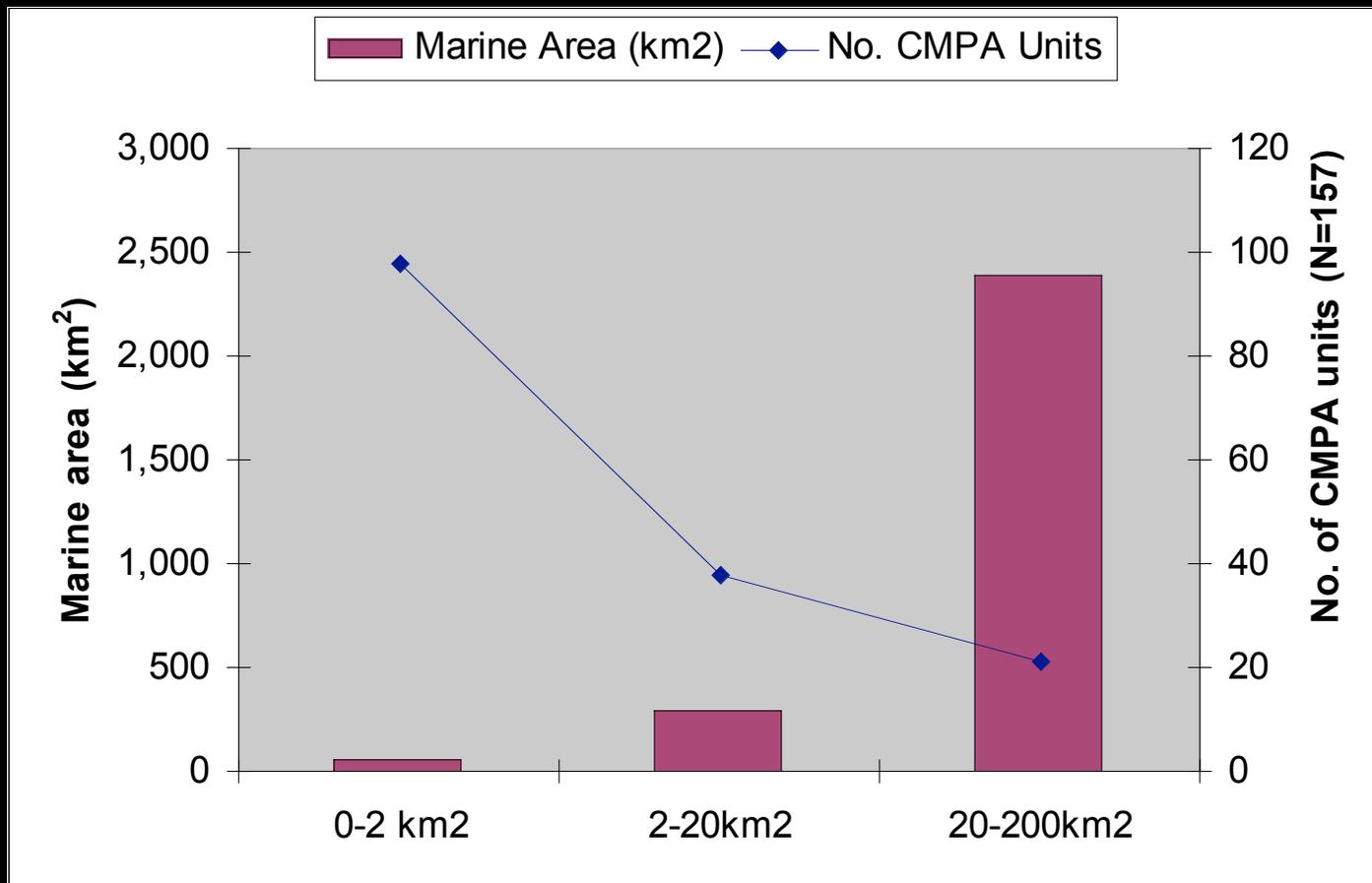
Recreation areas

Public recreational use

IUCN Goals and Objectives



Size Distribution

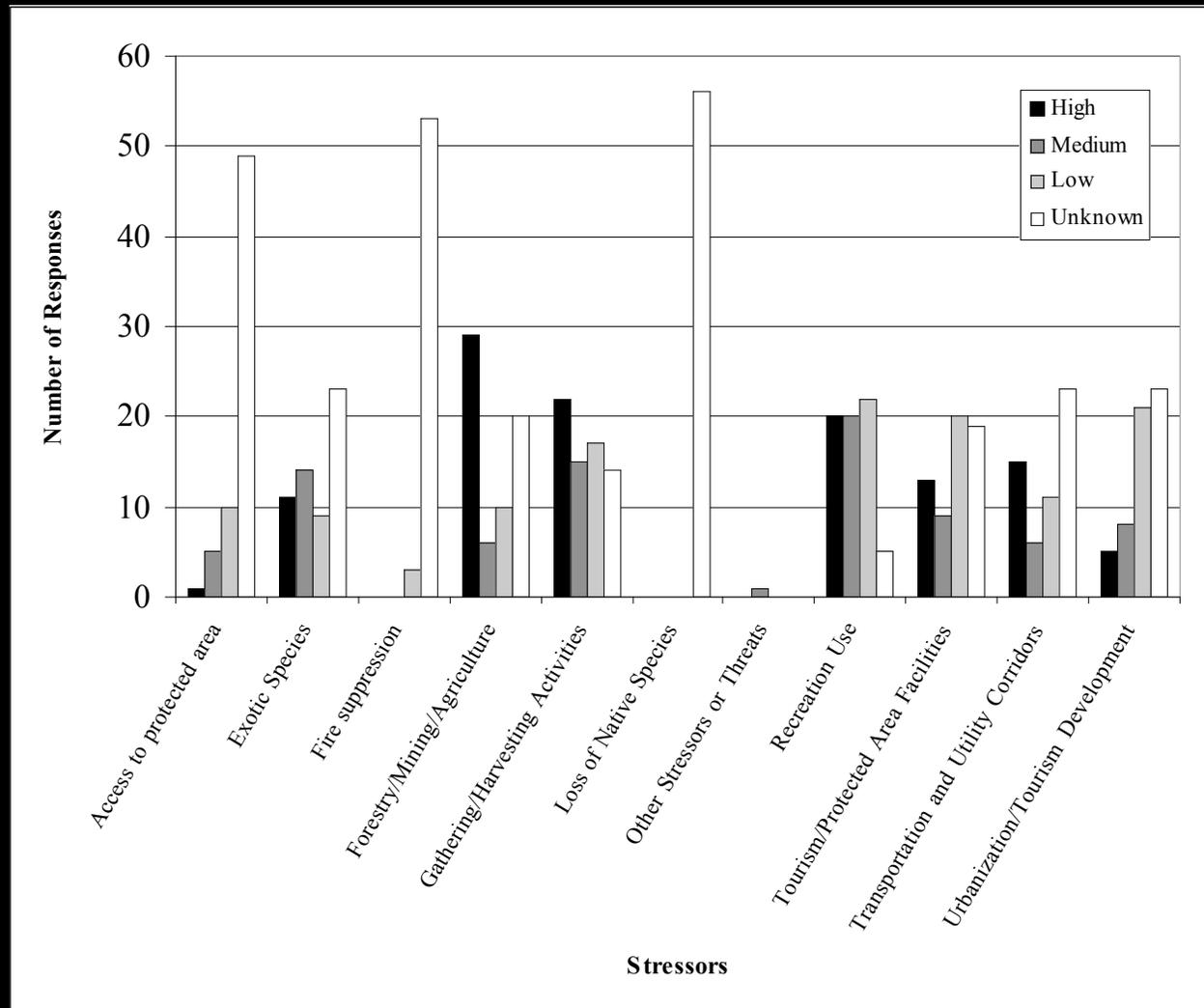




Ecological Values

- **Biophysical classification**
 - 263 combinations
 - Scale
 - Groundtruthing
 - Generalised environments
- **Habitats and species**
 - Estuaries
 - Important bird areas
- **Nearshore habitats**

Threats





Next Steps

- Tenures
- Fisheries closures
- Ecological values
- Upland contiguity
- Threats relative to objectives

A vertical banner on the left side of the slide. It features the word 'WIPAC' in large, white, semi-transparent letters. The background of the banner is a scenic photograph of a lake or river reflecting a forested shoreline under a clear sky.

Thanks to ...

- BC Parks (Ministry of Water, Land and Air Protection)
- BC Ministry of Sustainable Resource Management
- BC Ministry of Agriculture, Food and Fisheries
- BC Ministry of Energy and Mines
- Environment Canada
- Parks Canada
- Fisheries and Oceans Canada
- WWF Canada
- Living Oceans Society
- Bird Studies Canada

Designations

