

# National Situation Report: Philippines

“Establishment and Operations of a Regional System of Fisheries *Refugia* in the South China Sea and Gulf of Thailand”

## ➤ Republic Act (RA) 8550 or the Philippine Fisheries Code of 1998

### – Fishery refuge/sanctuary

Designated area where fishing and other forms of activities that may damage the ecosystem of the area are prohibited and human access may be restricted

### – Fishery reserve

Designated area where activities are regulated and set aside for educational and research purposes

# Republic Act (RA) 7160 or the Local Government Code

ARTICLE III ; Section 447. Powers, Duties Functions and Compensation – Sangguniang Bayan or Local Legislative Body

- Approve ordinances and pass resolutions necessary for an efficient and effective municipal government, and in this connection shall:
  - (vi) Protect the environment and impose appropriate penalties for acts which endanger **the environments, such as dynamite fishing and other forms of destructive fishing**, illegal logging and smuggling of logs, smuggling of natural resources products and of endangered species of flora and fauna, slash-and-burn farming, and such other activities which result in pollution, acceleration of eutrophication of rivers and lakes or of ecological imbalance;

# RA 8550 and RA 7160

- Fish sanctuaries and reserves are declared by local governments and solely under their jurisdiction by applying appropriate provisions in the Local Government Code or RA 7160 and RA 8550 or Fisheries Code as legal bases

# GOALS & OBJECTIVES

- Sustainable resource use (mainly fisheries)
- Preservation of species and genetic diversity
- Protection of specific natural and sensitive habitats, maintenance of environmental services, tourism, and recreation
- Education and social awareness
- Repopulation of fish stocks and enhancing fisheries productivity
- Providing refuge for intensively fished species

# IUCN CATEGORIES OF PROTECTED AREAS

- Category I: strict protection, *e.g.* strict nature reserve & wilderness area
- Category II: ecosystem conservation and recreation, *e.g.* national park
- Category III; conservation of national features, *e.g.* natural monument

# IUCN CATEGORIES OF PROTECTED AREAS

- Category IV: conservation through active management , *e.g.* habitat/ species management area
- Category V: Landscape/ seascape conservation and recreation, *e.g.* protected seascape/landscape
- Category VI: sustainable use of natural ecosystems, *e.g.* managed resource protected area

## Category IV: conservation through active management , e.g. habitat/ species management area

Primary objective :

To maintain, conserve and restore species and habitat

*Fisheries Refugia*

*“ Spatially and geographically defined, marine or coastal areas in which specific management measures are applied to sustain important species [fisheries resources] during critical stages of their lifecycle, for their sustainable use.”*

# *Fisheries Refugia*

- ❖ Should NOT be no-take zones
- ❖ Serve to safeguard spawning aggregations, nursery grounds, and migration routes
- ❖ Have the objective of sustainable use for the benefit of present and future generations
- ❖ Provide for some areas within *refugia* to be permanently closed due to their critical importance [essential contribution] to the life cycle of a species or group of species
- ❖ Be sub-dividable to reflect the differing importance of sub-areas to the species or species groups for which they are establish





## National Structures

## Regional Structures

Policy/Decision Makers

National Fisheries  
*Refugia* Committee

Project Steering  
Committee

Scientific &  
Technical  
Personnel

National Scientific  
& Technical  
Committee

Regional  
Scientific &  
Technical  
Committee

Managem  
ent Board  
**Busuanga**  
, **Palawan**

Managem  
ent Board  
**Bolinao,**  
**Pangasin**  
**an**

Managem  
ent Board  
**Masinloc,**  
**Zambales**

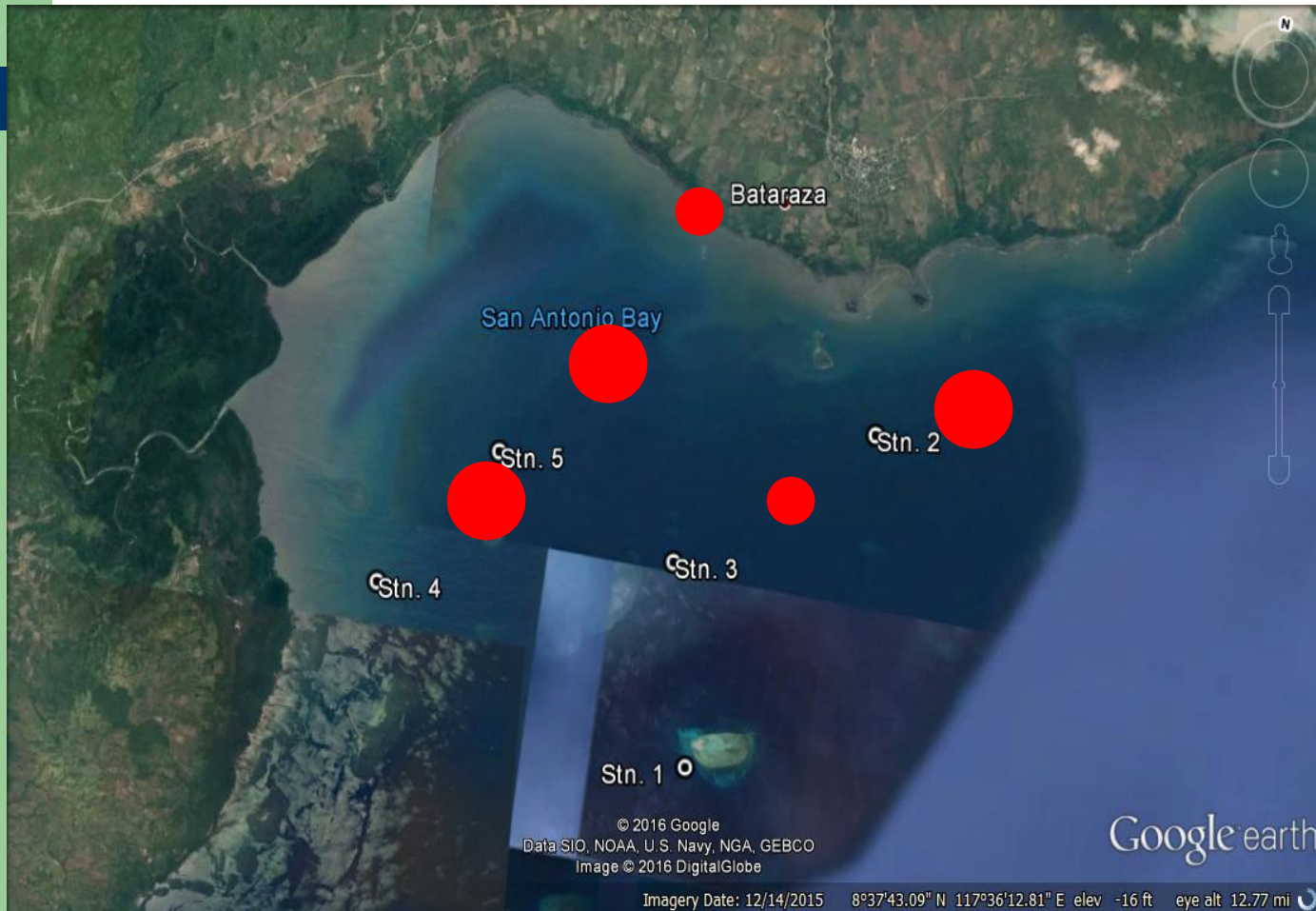
*Refugia*  
Site

*Refugia*  
Site

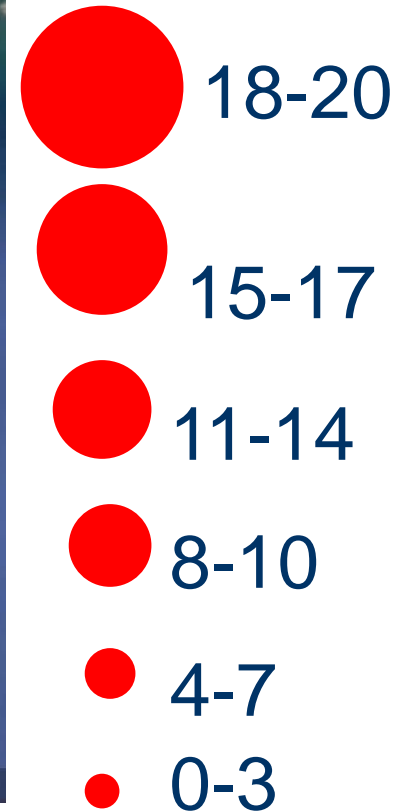
*Refugia*  
Site



# Bataraza

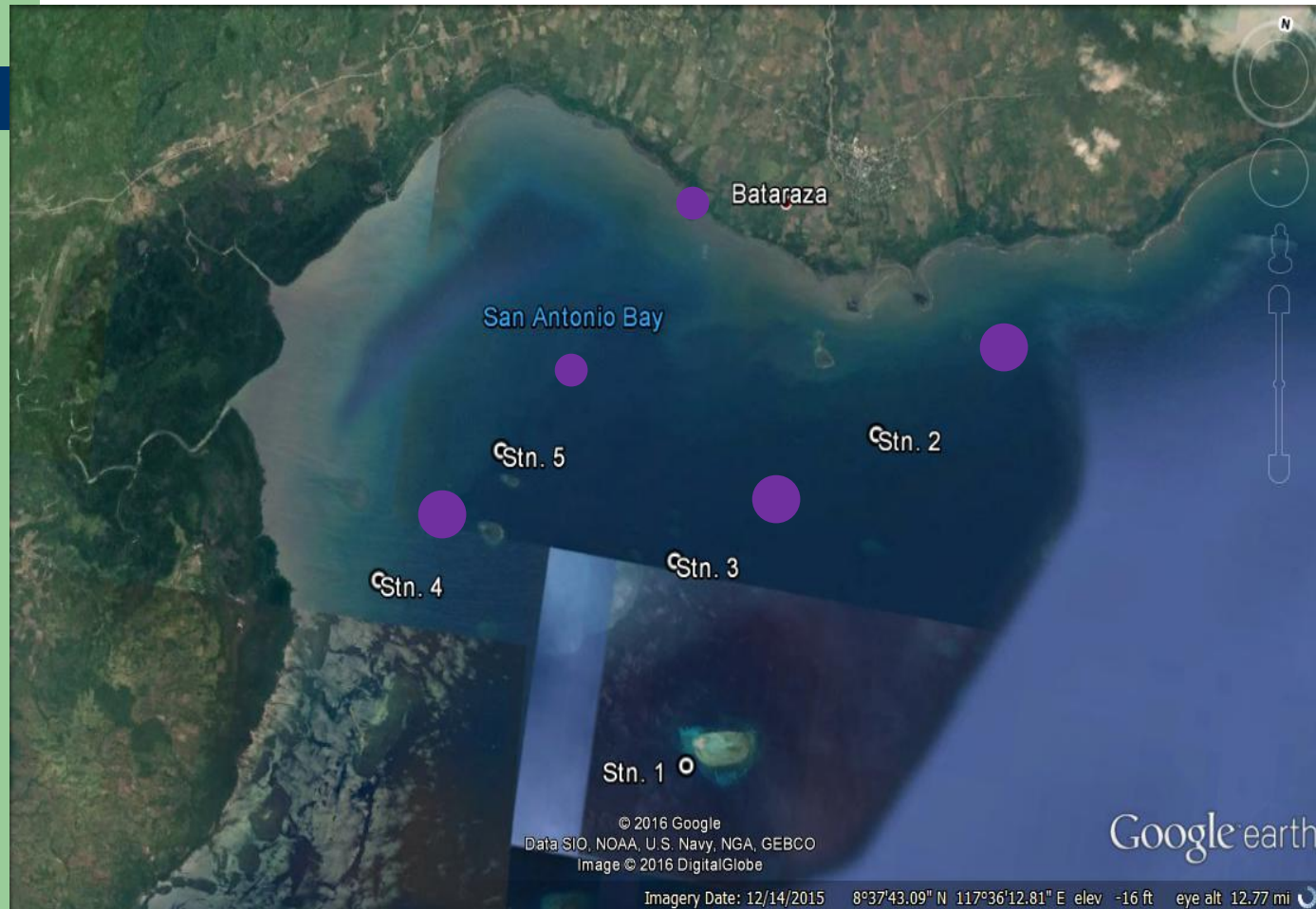


Fish Eggs



Spatial Distribution of Fish Eggs

# Bataraza

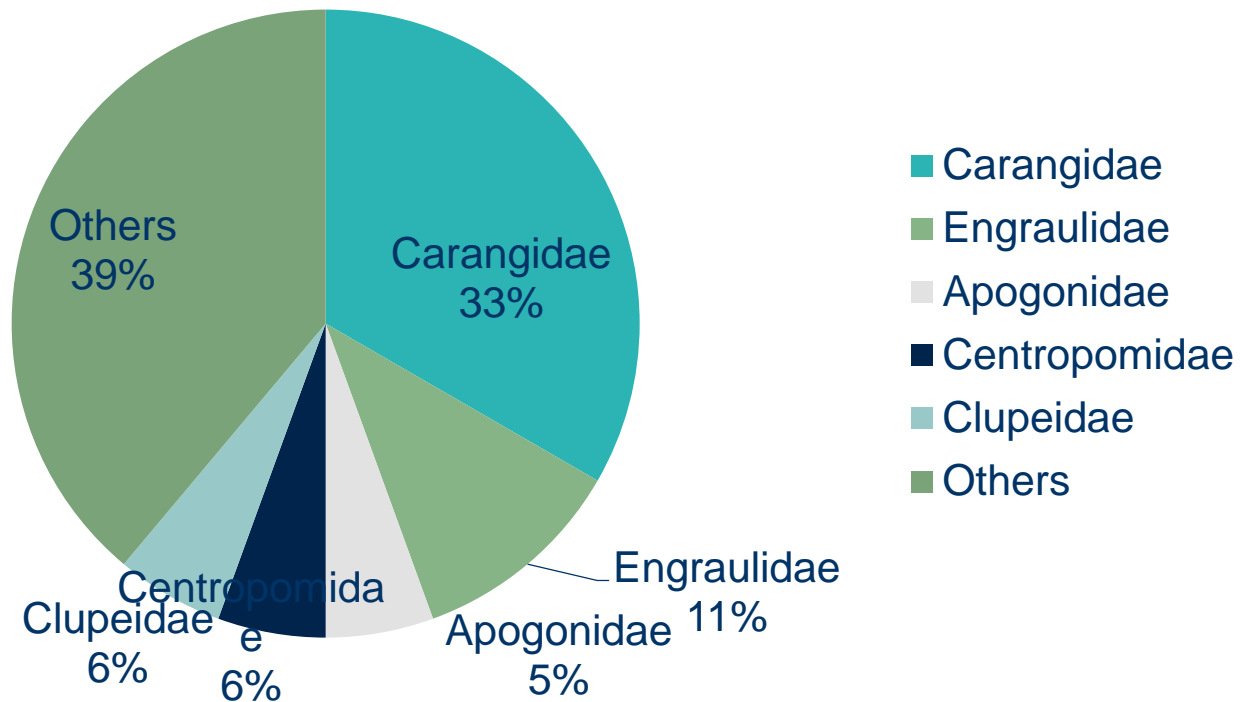


Fish  
Larvae

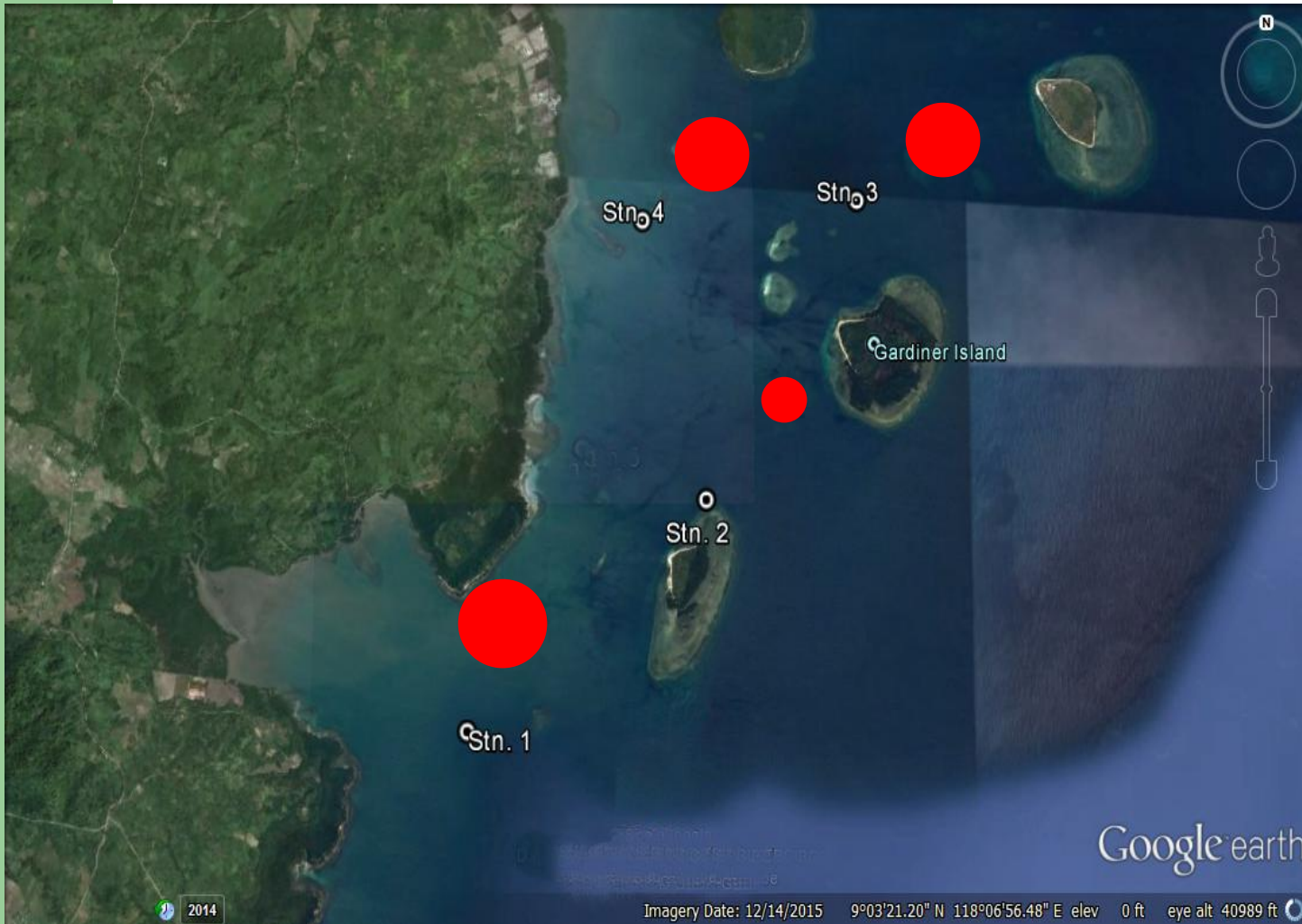


Spatial Distribution of Fish Larvae

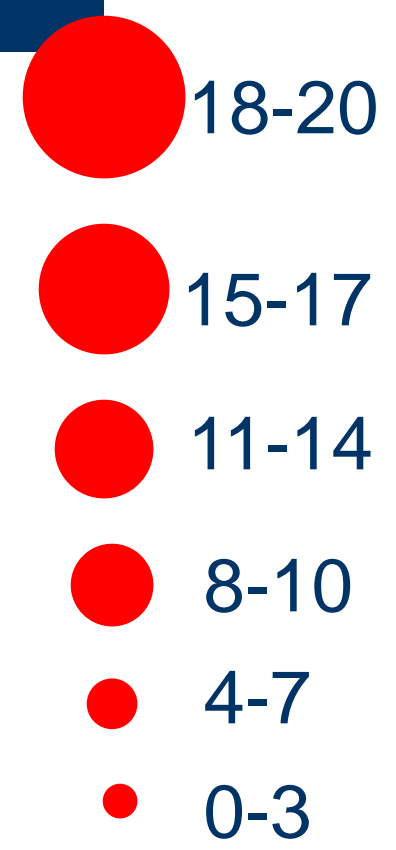
## Fish Families in Bataraza



# Sofronio Española



Fish Eggs

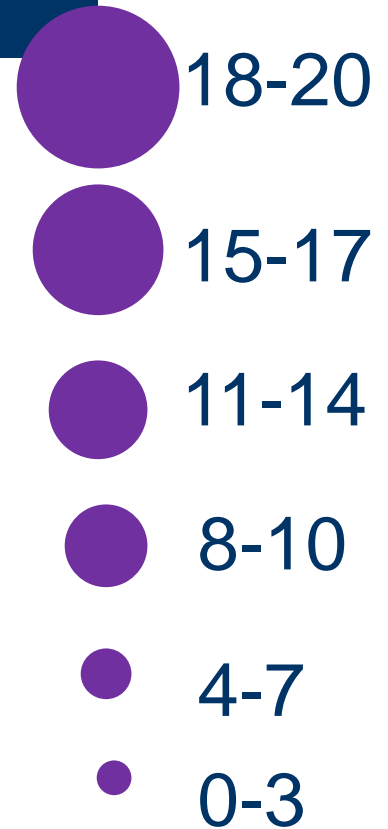


Spatial Distribution of Fish Eggs

# Sofronio Española



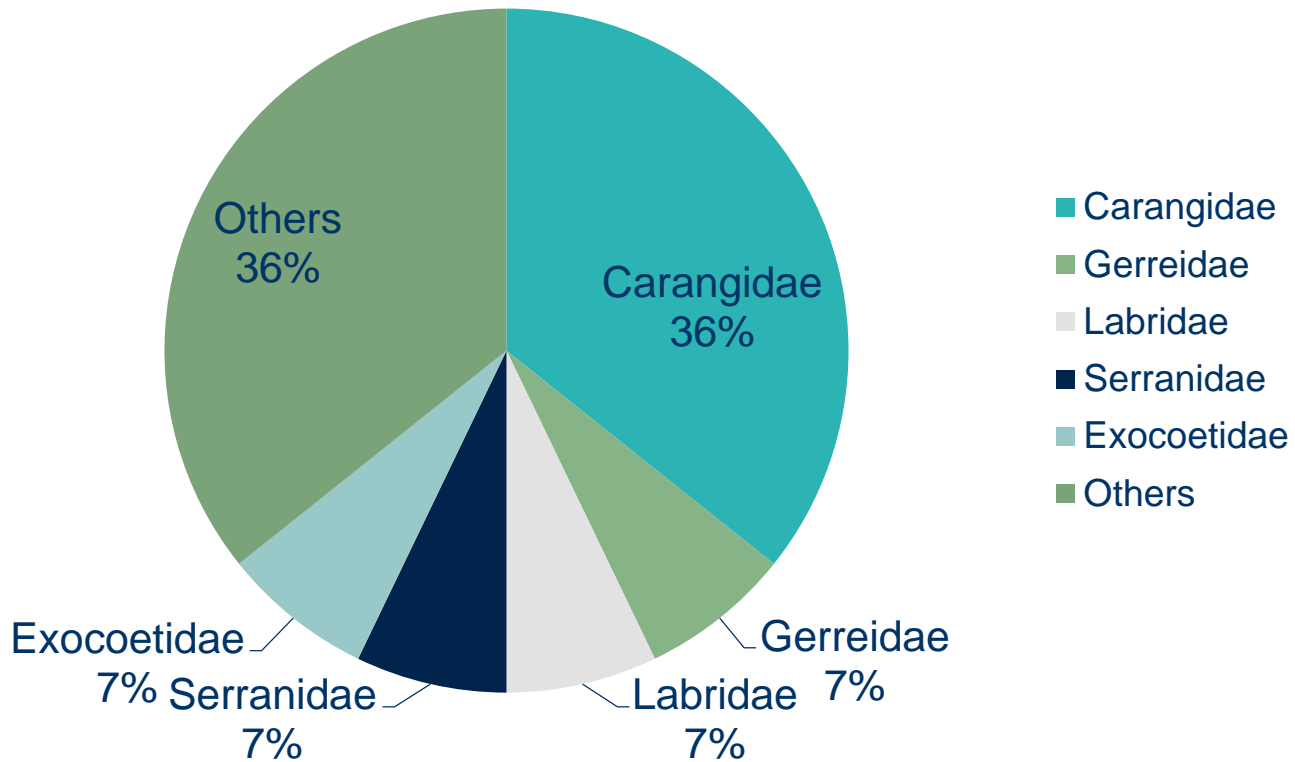
Fish  
Larvae



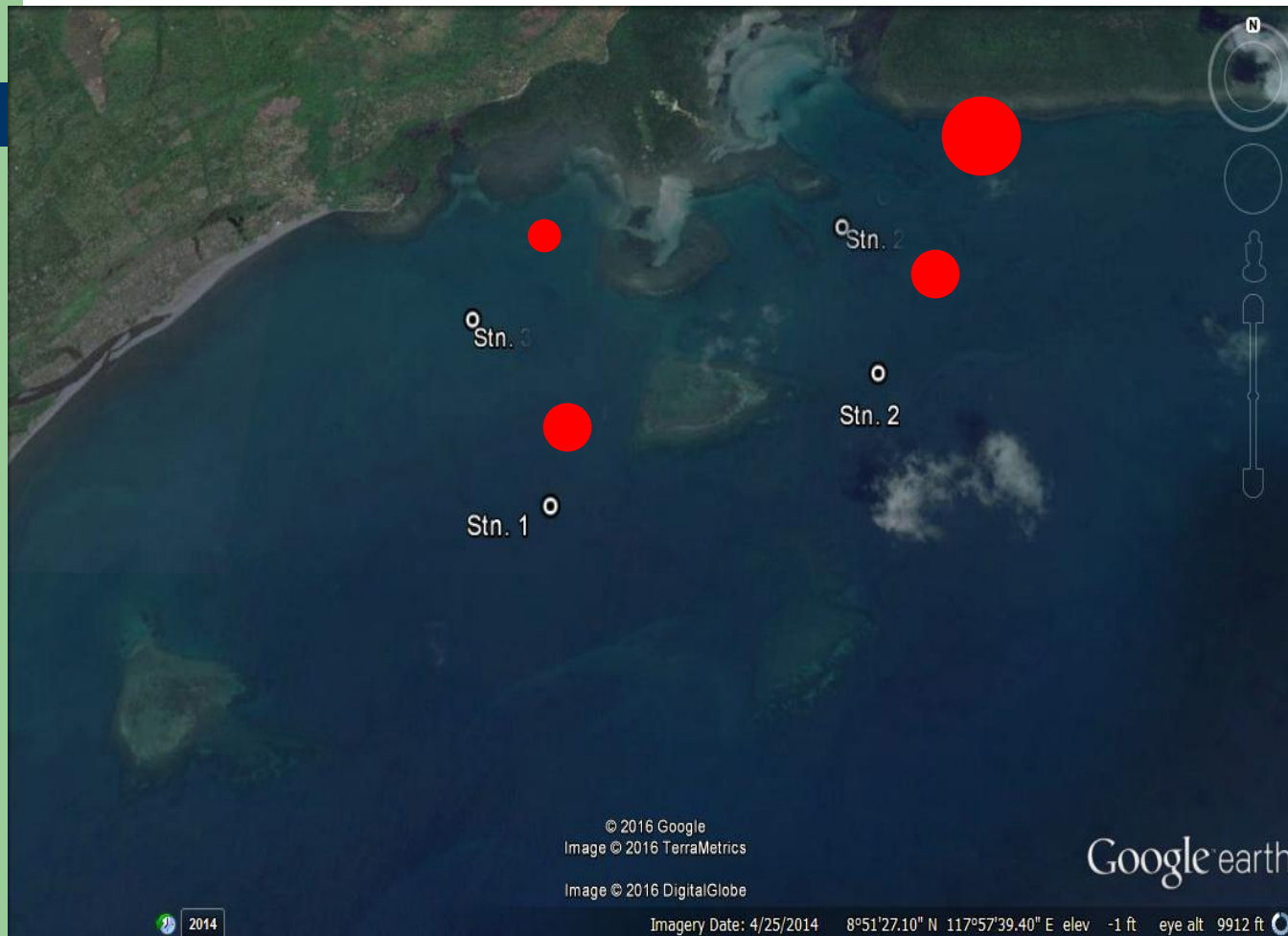
Spatial Distribution of Fish Larvae



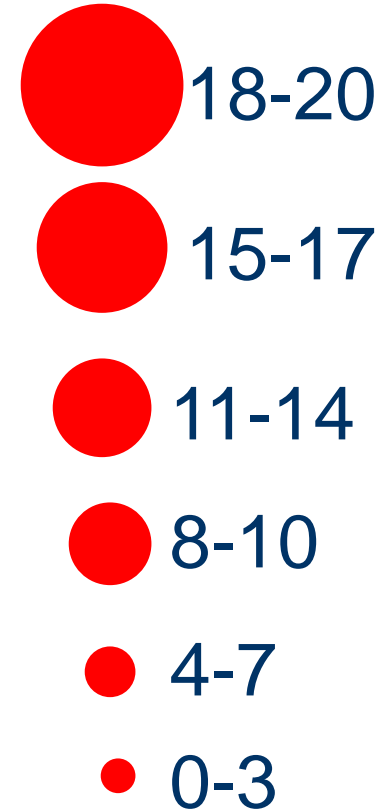
## Fish Families in Sofronio Española



# Brooke's Point



Fish  
Eggs

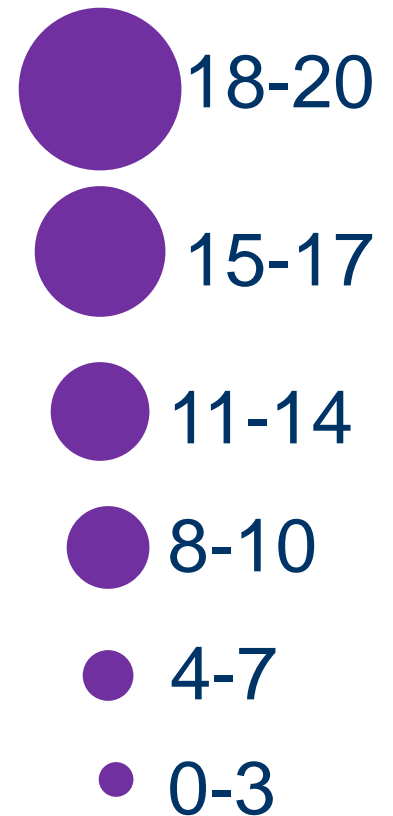


Spatial Distribution of Fish Eggs

# Brooke's Point

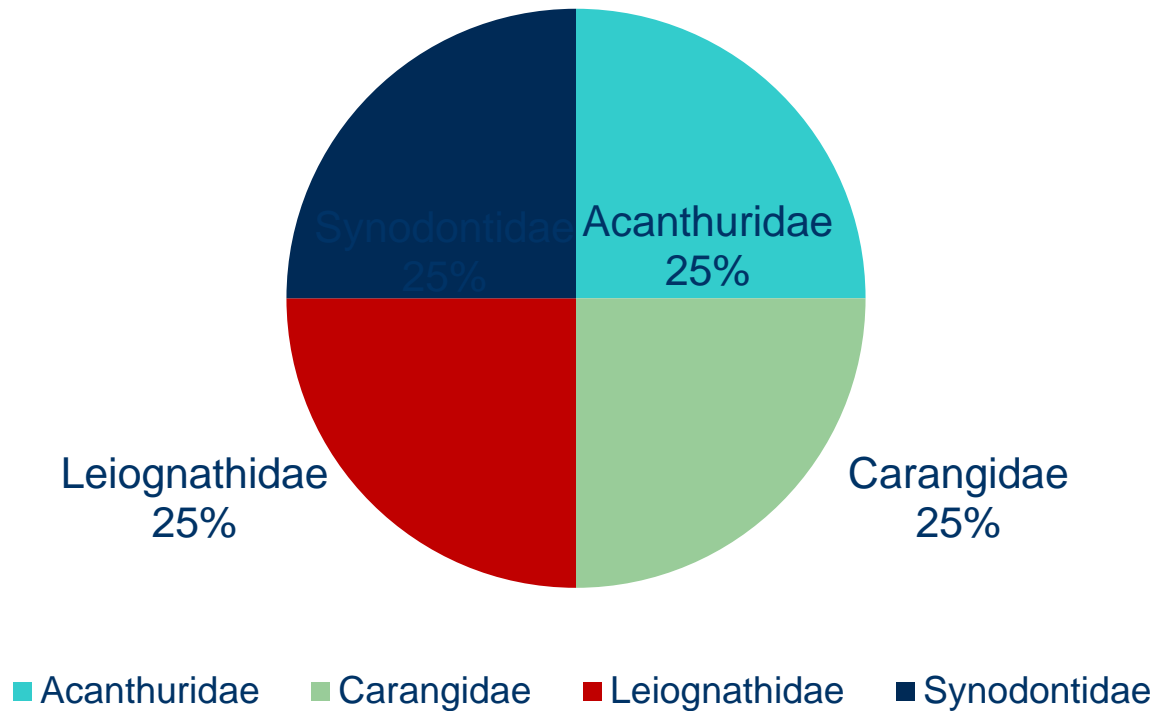


Fish  
Larvae



Spatial Distribution of Fish Larvae

## Fish Families in Brooke's Point



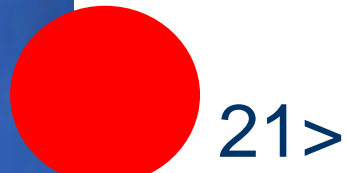
# Narra



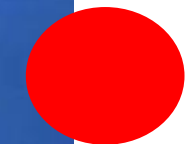
# Narra



Fish  
Eggs



21>



18-20



15-17



11-14



8-10



4-7



0-3

# Narra

Fish  
Larvae



18-20

15-17

11-14

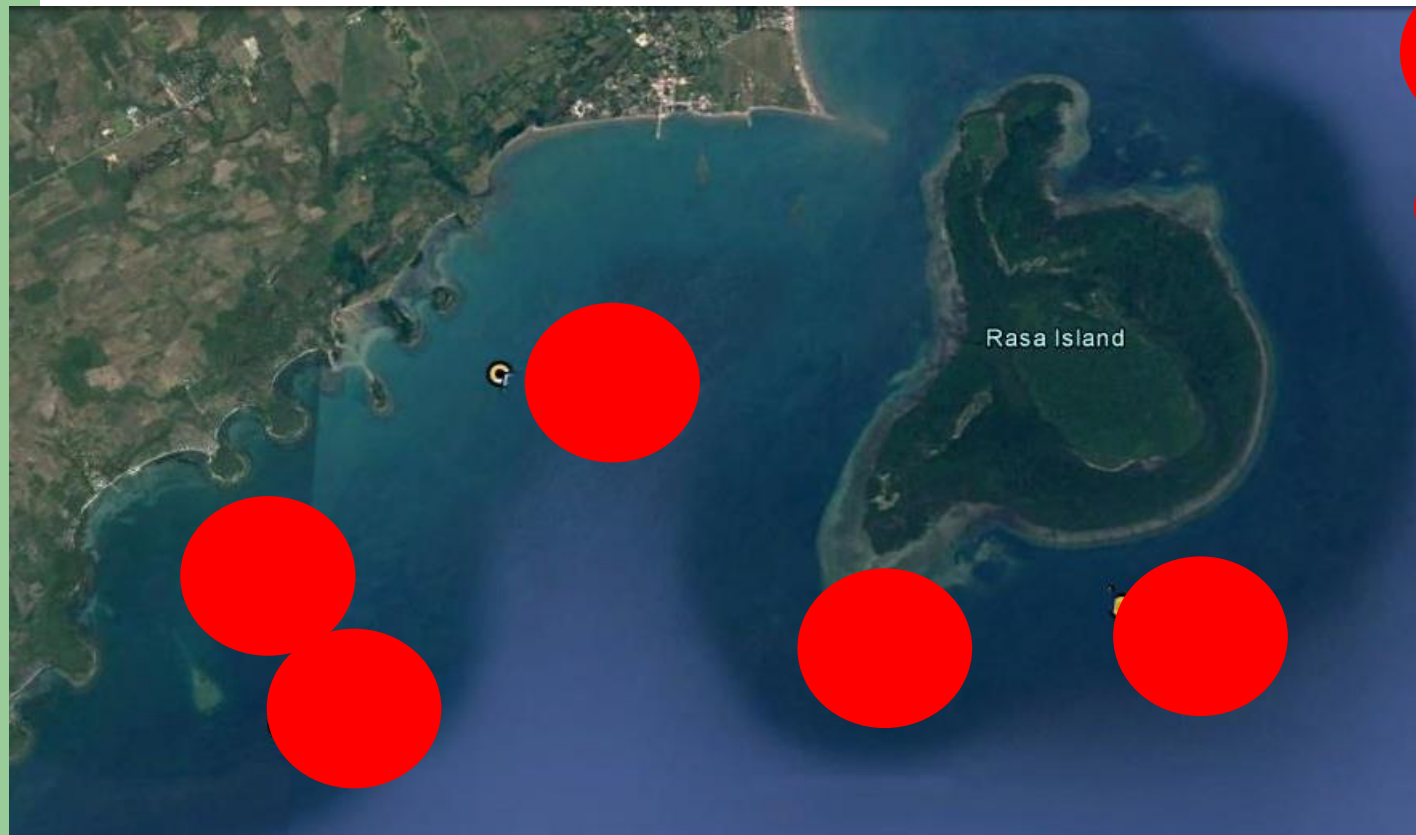
8-10

4-7

0-3

# Narra

Fish  
Eggs



21>

18-20

15-17

11-14

8-10

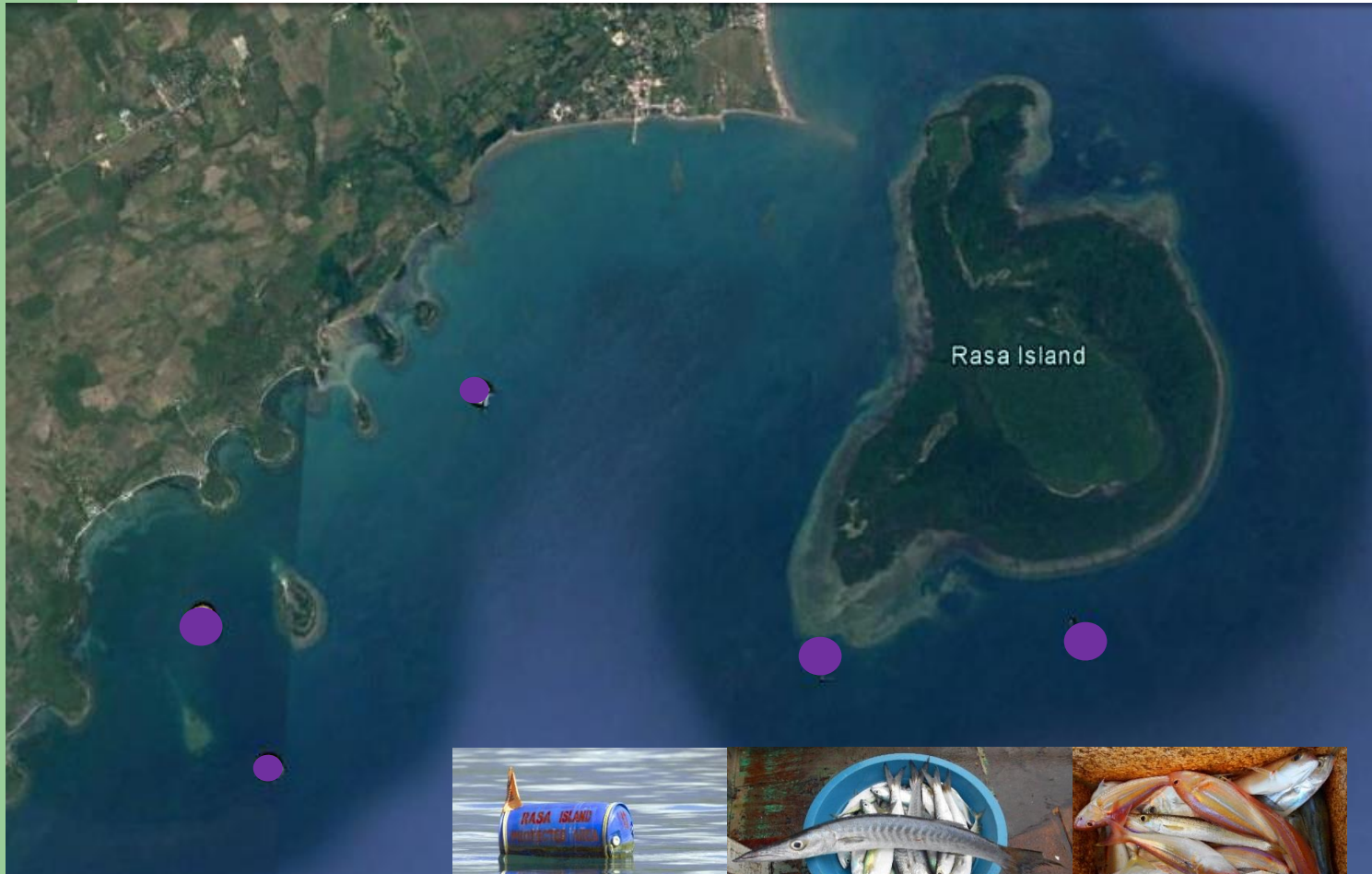
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0-3



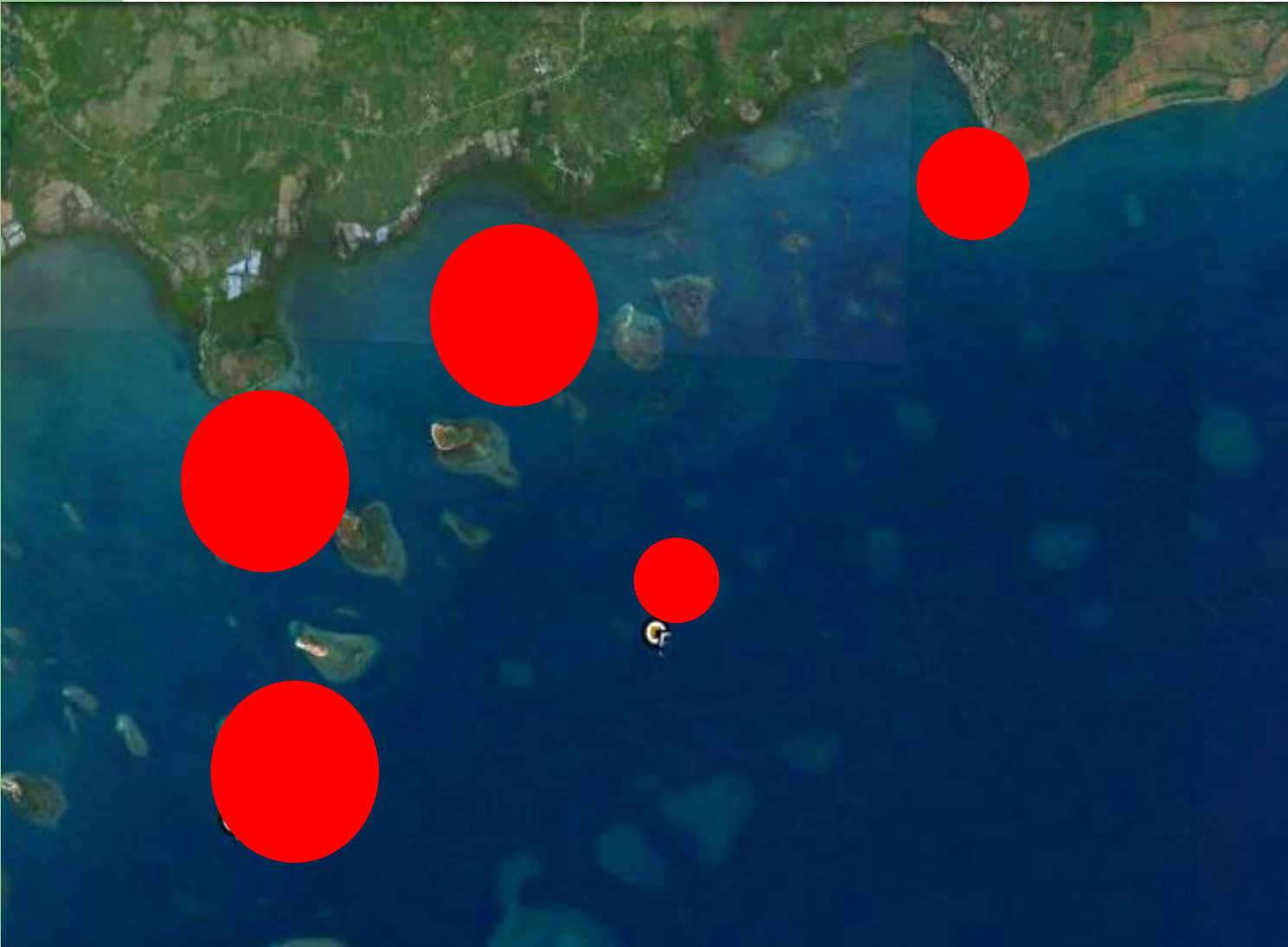
# Narra

Fish  
Larvae



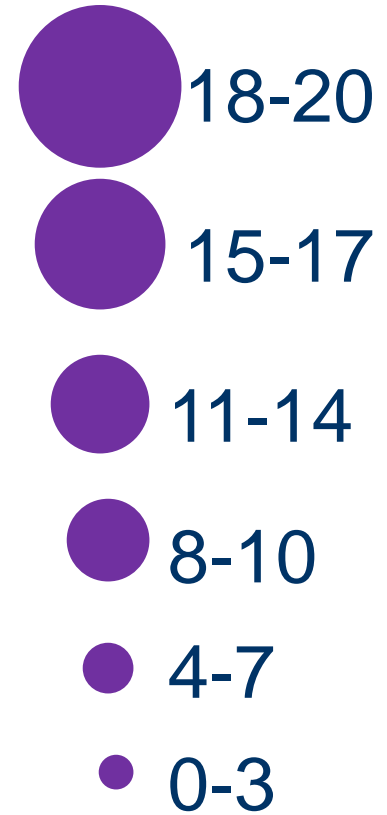
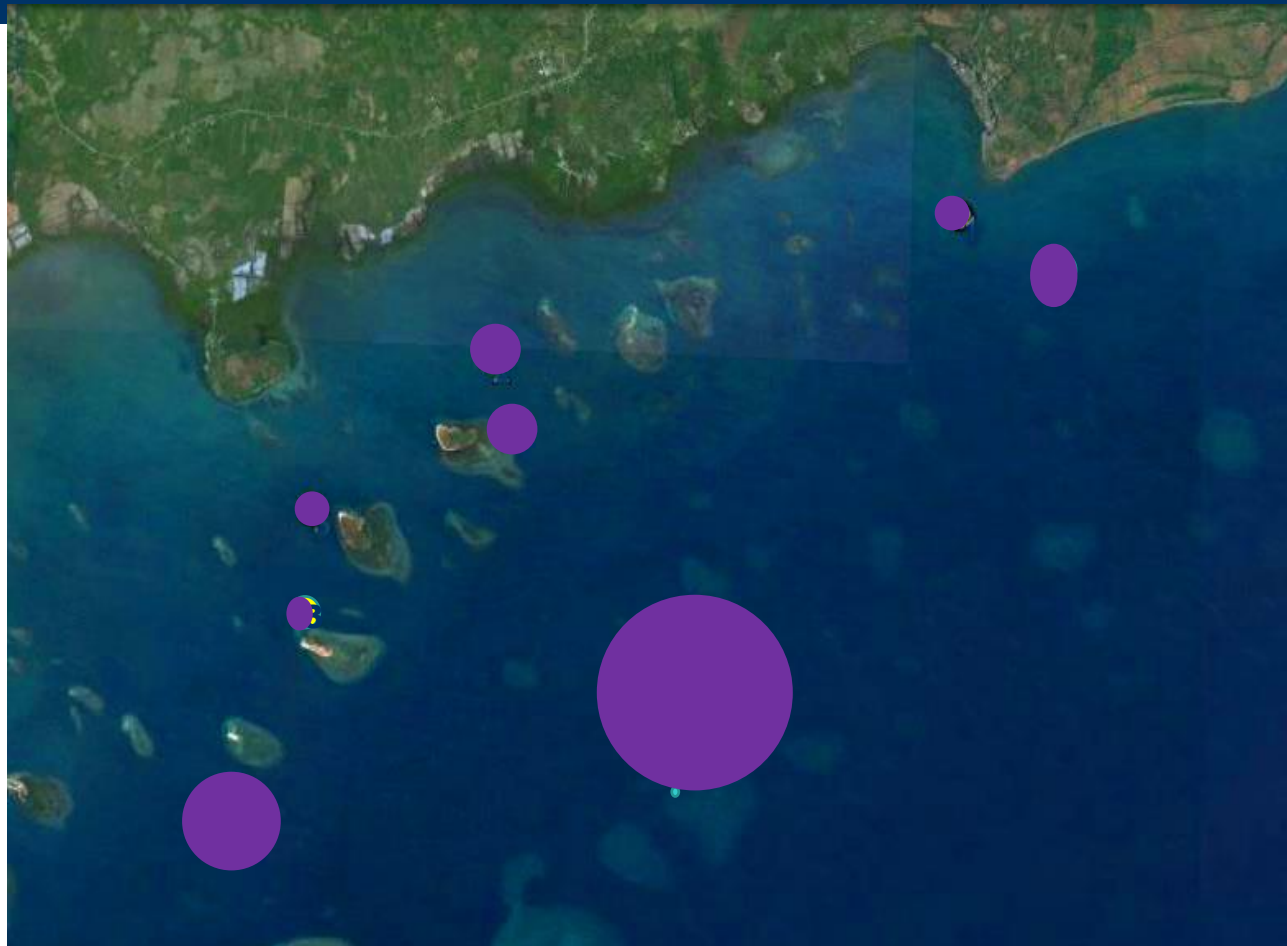
# Fish Eggs

## Narra

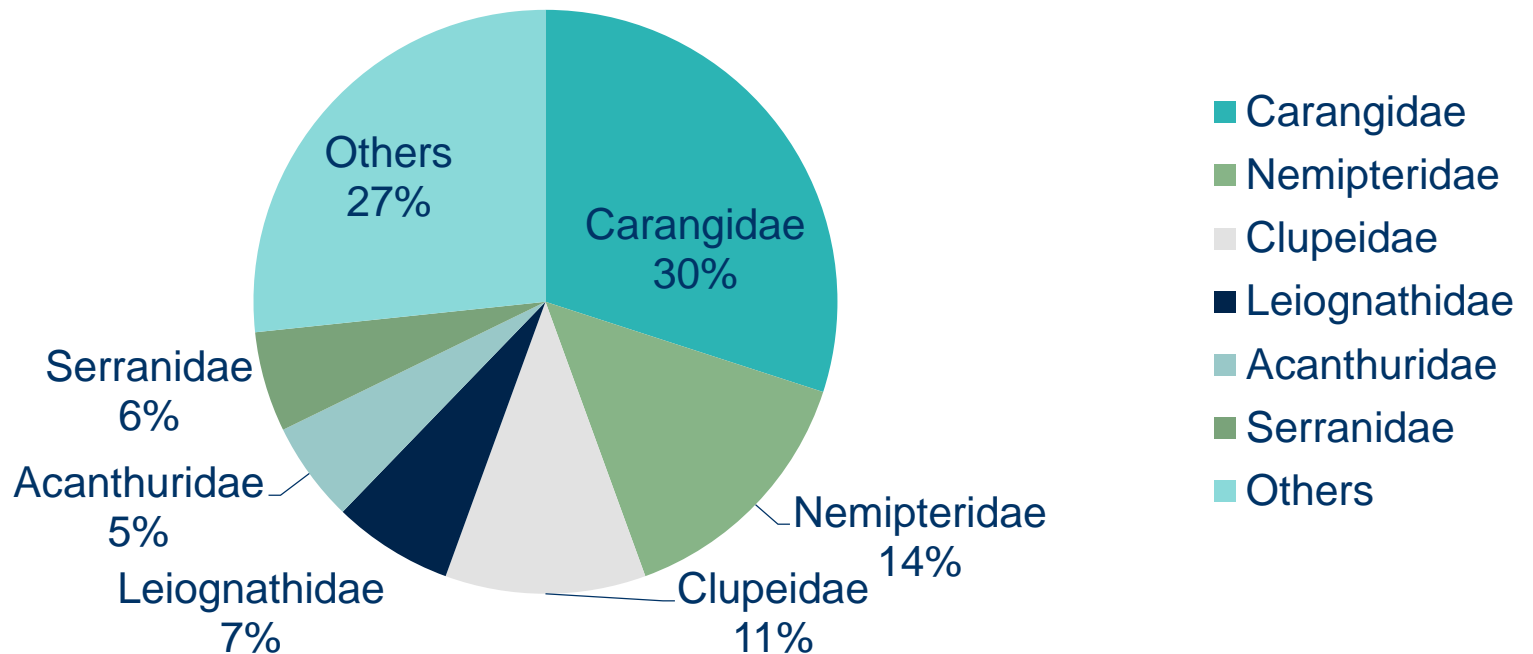


# Narra

Fish  
Larvae



## Fish Families in Narra



# Propose Membership of the National Fisheries *Refugia* Committee

1. Bureau of Fisheries and Aquatic Resources (BFAR) - Chairperson
2. Biodiversity Management Bureau (BMB)- Member -DENR
3. National Economic and Development Authority (NEDA)
4. Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD) - DOST
5. Department of Interior and Local Government (DILG)
6. **Philippine Coast Guard (PCG)**
7. **Philippine National Police Commission (PNPC)**
8. Philippine Commission for Indigenous People (PCIP) ?

# Propose Membership of the National Scientific and Technical Committee

- National Fisheries Research and Development Institute (NFRDI)
- Biodiversity Management Bureau (BMB)
- Academe (UPMSI, UPV, WPU, WPU)
- Bureau of Fisheries and Aquatic Resources (BFAR)
- Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD)
- Philippine Coast Guard (PCG)
- Chairperson (Management Board of three Fisheries *Refugia* Sites)
- Office of the Provincial Agriculturist (OPA) of Palawan, Pangasinan and Zambales

# Propose Membership of the Site-based Management Committee

- Local Government Unit (Office of the Mayor, MAO, CENRO, Tourism, Academe
- Bureau of Fisheries and Aquatic Resources (BFAR))
- Philippine Coast Guard (PCG)
- Fisheries and Aquatic Resources Management Council (FARMC)
- Association of Resort owners and Tourism Establishments
- Peoples Organization (PO)
- **Indigenous People (IP)**

# Site-Based Committees (Barangay level)

1. Law Enforcement
2. Information, Education, Communication (IEC)
3. Tourism
4. Habitat Protection
5. Livelihood

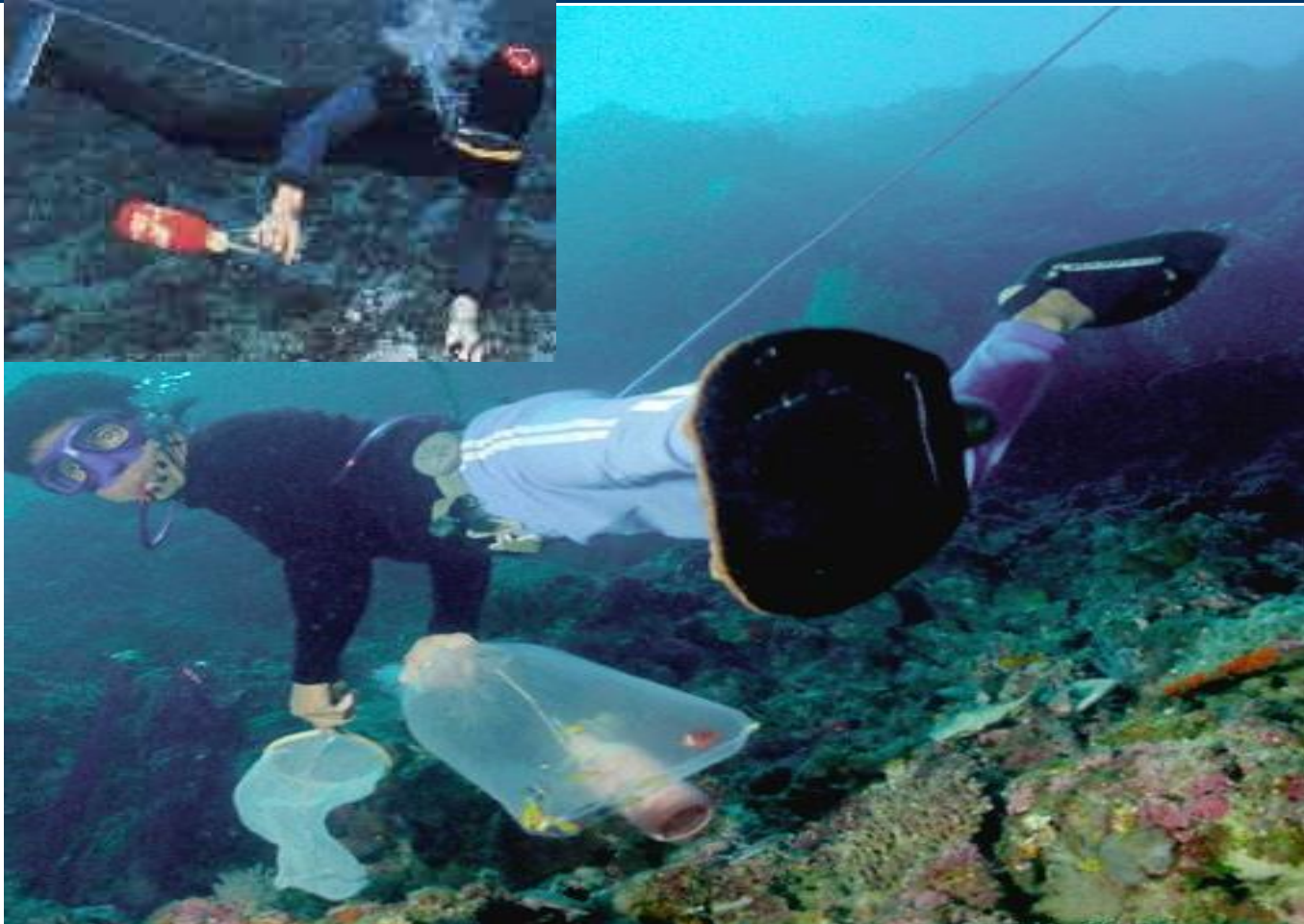


# Terms of Reference (TOR)

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Adopt the TOR as agreed during the last meeting in Jakarta.





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THANK YOU