



Solutions for Sustainable Seas

SDG 14: Life Below Water

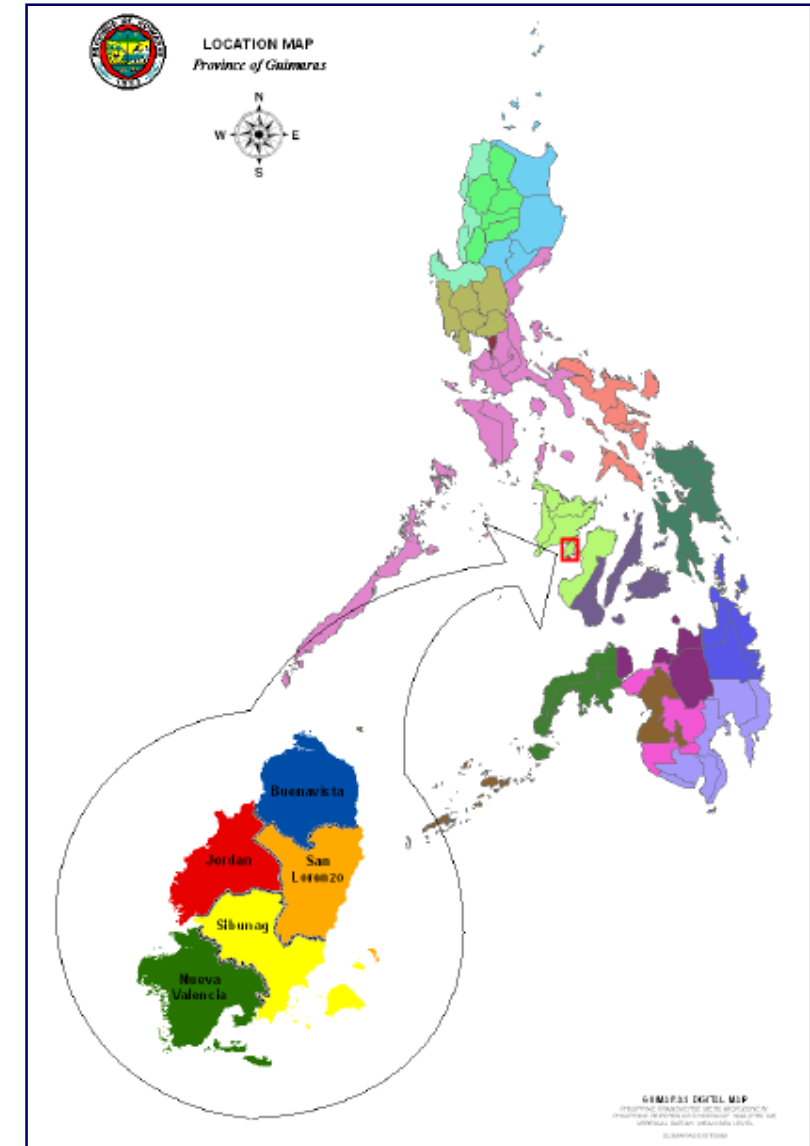
Scaling Up the Protection and Conservation of Marine and Coastal Ecosystems and Resources through Marine Protected Area Management in Guimaras, Philippines

Rose Jane Sablon

Guimaras Environment and Natural Resources Office

Guimaras at a Glance

- Location : Western Visayas Region
- Land Area : 604.57 sq. km
- Length of coastline : 409.2 km
- Population : 174,613 (2015)
- Municipalities : 5
- Number of Coastal Barangays: 54
- Major Economic Activities:
 - Farming (Agriculture)
 - Fishing
 - Tourism
 - Local and foreign employment
- ICM program initiated in 2008 focusing on the application of integrated management solutions in an island ecosystem



Integrated Coastal Management Program

Scaling-up of ICM



MOA Signing of the Provincial Government of Guimaras, Department of Environment and Natural Resources-Provincial ENR Office and PEMSEA on May 22, 2015

ORDINANCE NO. 2018-06
Series of 2018

AN ORDINANCE ADOPTING INTEGRATED COASTAL MANAGEMENT AS A STRATEGY FOR THE SUSTAINABLE DEVELOPMENT OF GUIMARAS COASTAL AND MARINE ENVIRONMENT AND NATURAL RESOURCES AND ESTABLISHING SUPPORTING MECHANISM FOR ITS IMPLEMENTATION AND FOR OTHER PURPOSES

Operation of ICM-PCC Sub-Committee

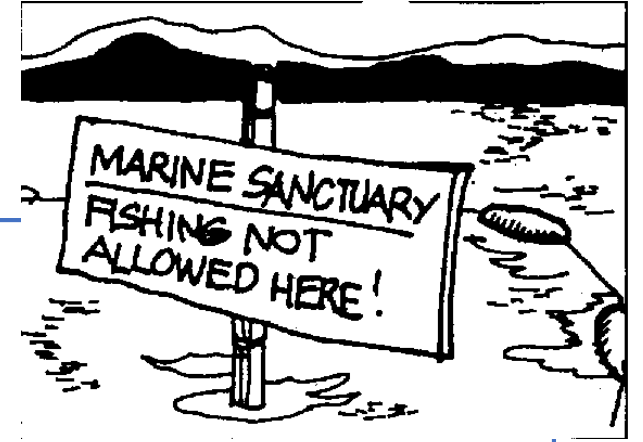
Natural and Manmade Hazard Prevention and Management	Habitat Protection, Restoration and Management	Water Use and Supply Management	Food Security and Livelihood Management	Pollution Reduction and Waste Management
DENR-PENRO	BFAR, DepEd	DENR-PENRO, DAR	DA, BFAR, NMRDC	DENR-PENRO, POAS
DPWH, PCG, PNP	DENR-PENRO	DepEd, GSC	DENR-PENRO, DTI	DPWH, DILG, PCG
DOST, PPA DepEd	DBP, UPV, GSC	PHO, PPDO	DOST, DILG, LBP	DepEd, NMRDC
MLFMPC, GRA	ZSL, JBLFMU	GENRO	DepED, DAR	PHO, PGSO, GENRO
GUIMELCO, PVSO	PEDO, POAS, GENRO	Jordan Water District	Taytay sa Kauswagan	SP Chair, Committee on Environment
PEO, POAS PPDO, GSC, JBLFMU	PDRRMO	Buenavista Water District	GCCI, POAS, PEDO, GENRO, JBLFMU	PVSO, PTourO, GHRA, JBLFMU, GSC
PDRRMO, PSWDO, GENRO PHO, PEDO	KAMAMADO	Nueva Valencia Water District	ZSL, SEAFDEC, GSC, One Network Bank, PTourO	Jordan Motor Banca Association
SP Chair, Committee on Environment	SP Chair, Committee on Environment	SP Chair, Committee on Environment	SP Chair, Com. on Agriculture and Fisheries	Jordan Motor Banca owners and Sailors Association
3 Representatives from Municipal Gov'ts: MPDC, MDRRMC, SB Chair Com. on Environment	3 Representatives from Municipal Gov'ts: MA, MPDC, SB Chair Com. on Environment MFARMCS	3 Representatives from Municipal Gov'ts: MA, MPDC, SB Chair Com. on Environment	3 Representatives from Municipal Gov'ts: MA, MPDC, SB Chair Com. Agriculture and Fisheries	Association of Bta. Ferry Service Providers, Guimaras Small-Scale Miner's Association, ALH Lime Factory, Sven C Integrated Corp.
Guimaras Small Scale Miner's Association, Trans-Asia Dev't Corp. ALH Lime Factory, Seven C Integrated Corp.				4 Representatives from Municipal Gov'ts: MA, MPDC, SB Chair Com. on Environment MFARMCS

Environmental Issues

- Coastal erosion
- Deterioration of water quality in rivers and coastal areas
- Foreshore management (multiple use conflicts)
- Vulnerability of southern part of Guimaras to tsunami
- Vulnerability to oil spill
- Degradation of coastal and marine ecosystems and resources



Solutions



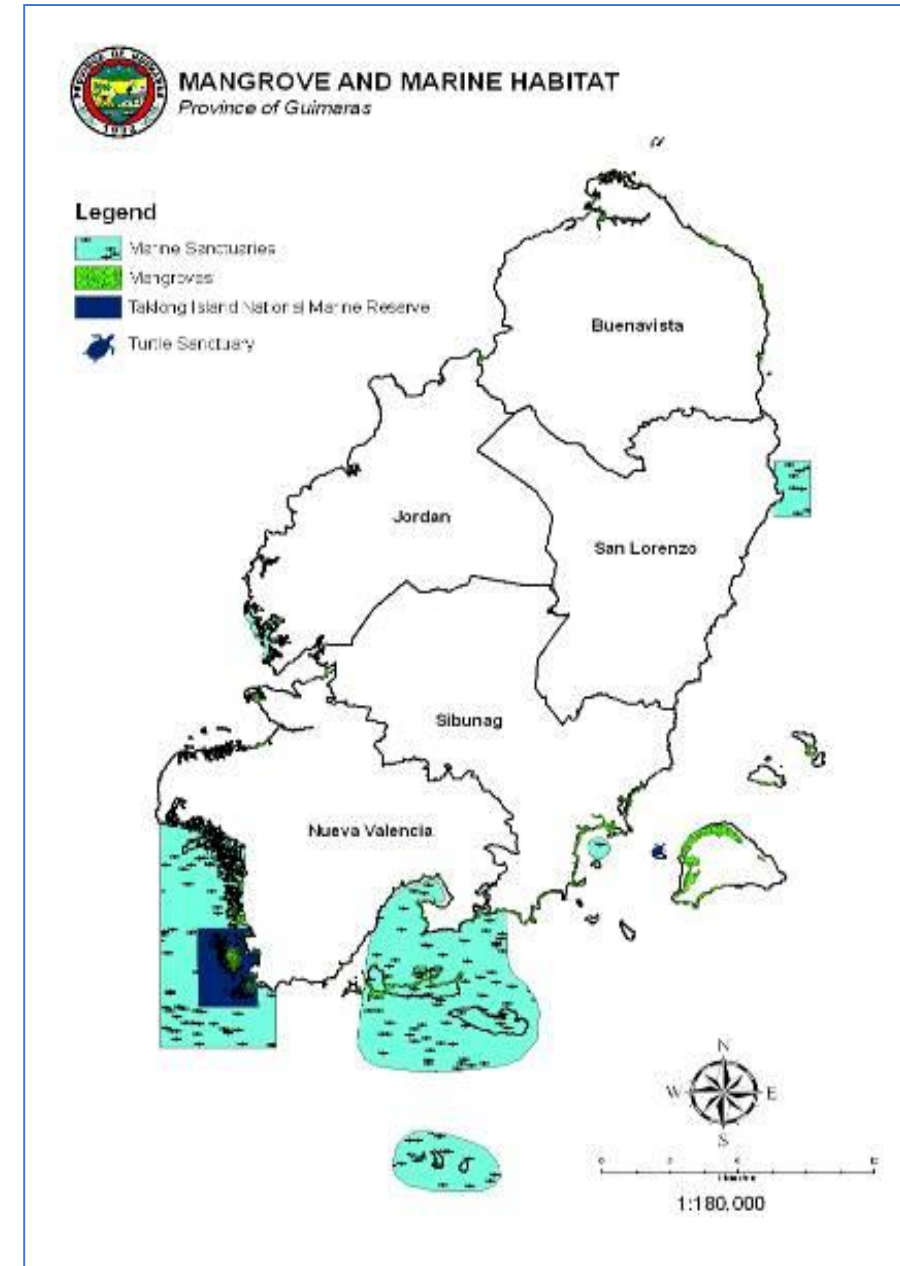
- Establishment of marine protected areas (MPAs)
- Effective management of MPAS
 - Establishment of MPA Management Boards
 - Development and adoption of MPA management plans
 - Demarcating the boundaries of the protected area with marker buoys
 - Strengthening law enforcement (e.g., maintenance of patrol boats and training of personnel)
 - Establishment of MPA management facilities
 - Implementation of MPA management plans
 - Regular conduct of habitat and fisheries assessment and monitoring

Baseline

Four declared Marine Protected Areas (MPAs) located in Jordan, Nueva Valencia and San Lorenzo

- Taklong Island National Marine Reserve
 - Presidential Proclamation No. 525,1990
 - Managed by Protected Area Management Board
- Toyo Reef Marine Sanctuary
 - Ordinance No. 03, 1994
- Jordan Marine Turtle Sanctuary
 - Municipal Ordinance No.97 -006, 1997
- Tumulintinan Point Fish Sanctuary
 - Ordinance No. 99-005, 1999

Area covered by
the 4 MPAs:
1830.94 hectares

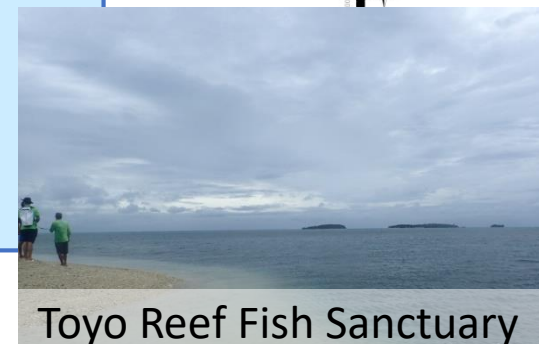
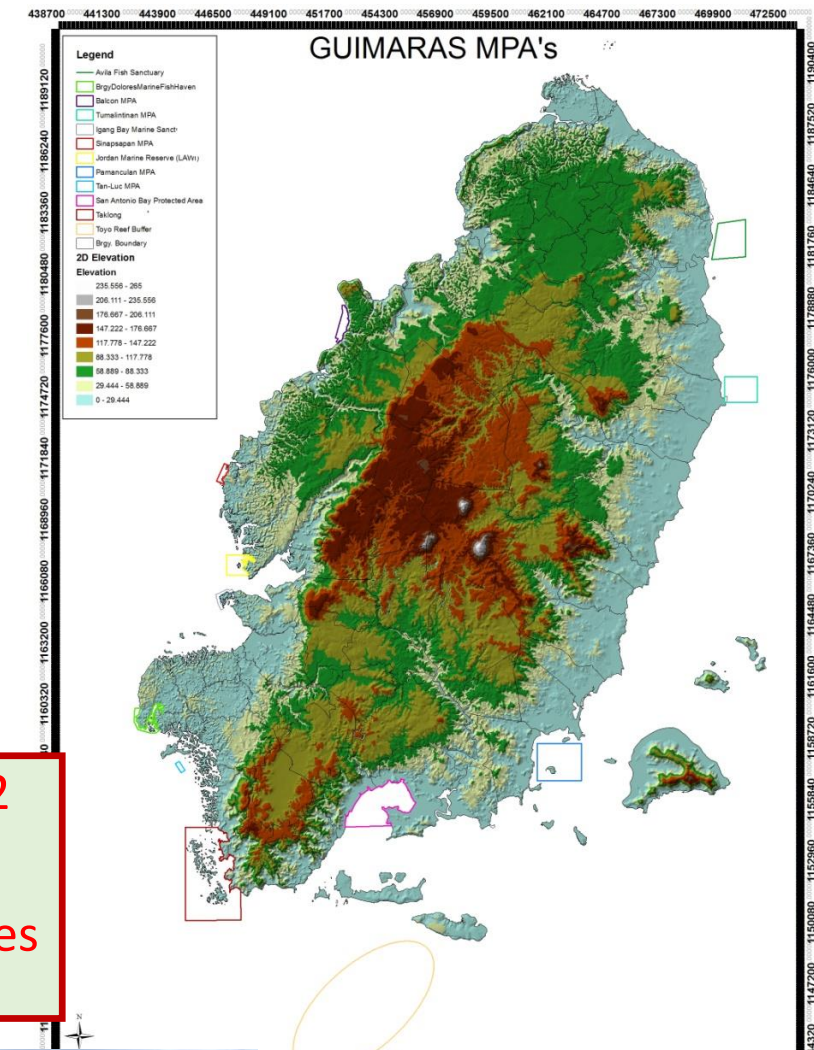


Current status

1. Avila Marine Sanctuary
2. Tumulintinan Point MPA
3. Pamanculan Fish Sanctuary
4. San Antonio Bay MPA
5. Toyo Reef Fish Sanctuary
6. TINMR
7. Tan-Luc MPA
8. Brgy. Dolores Marine and Fish Haven
9. Igang Bay Marine Sanctuary
10. Jordan Municipal Marine Reserve and Sanctuary
11. Balcon MPA
12. Brgy. Sinapsapan MPA



- Area covered by the 12 MPAs: 2,672 hectares
- Increase of 781 hectares



MPA Management Support



MPA Management Plan Formulation and Updating



Infrastructure Support



Capacity Development

Tan-Luc Coral Garden



Monitoring of the Established of Coral Gardening Demonstration Site	No. of Nursery Units	: 8
	No. of COPs transplanted	: 800
	Total Area	: 400m ²
	Survival Rate	: 52%

Habitat Rehabilitation



Habitat Assessments



Advocacy

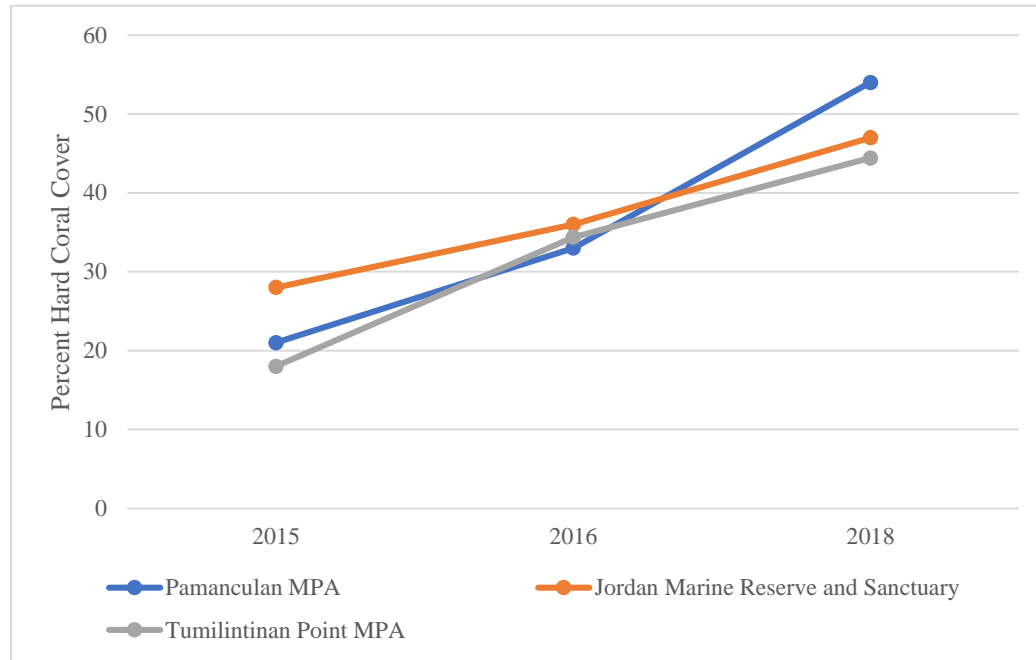
Results

- Strengthened Public Private Partnerships: Establishment of Guimaras Alliance of Protected Areas and Sanctuaries (GAPAS)
- Increased awareness and active participation of the community in MPA management
- Management effectiveness (METT and MEAT ratings) increased

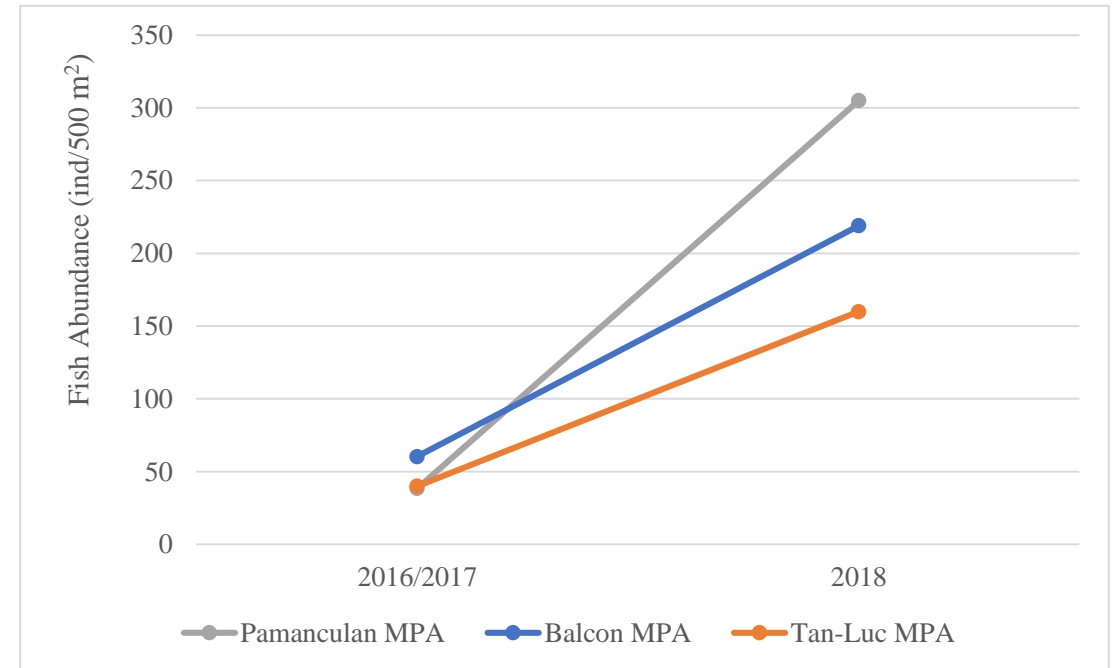
Name of the MPA	Assessment result		Level attained	Remarks
	MEAT Score	METT Score		
IBMS		62 (2016: GIZ)	3	Management is 62% effective
Pamanculan Fish Sanctuary	56.52 (2017 ;DENR)		Established transitioning to Strengthened	Very Good
Tumalintinan Point MPA	61.53 (2017 ;DENR)		Strengthened transitioning to Sustained	Very Good
TINMR		79.5 (2016: GIZ)	3	The increase was observed across all the elements of the evaluation
Avila Marine Sanctuary	28.6 (2015; Hassig)		0-Initiated	Fair
Balcon MPA	28.6 (2015; T. Hassig)		0-Initiated	Fair
Tan-Luc MPA	39.3 (2015; T. Hassig) 69 (2017; DENR)		1-Established	Good Very good
Barangay Dolores Marine and Fish Haven	50 (2017 ;DENR)		0-Initiated	



Results

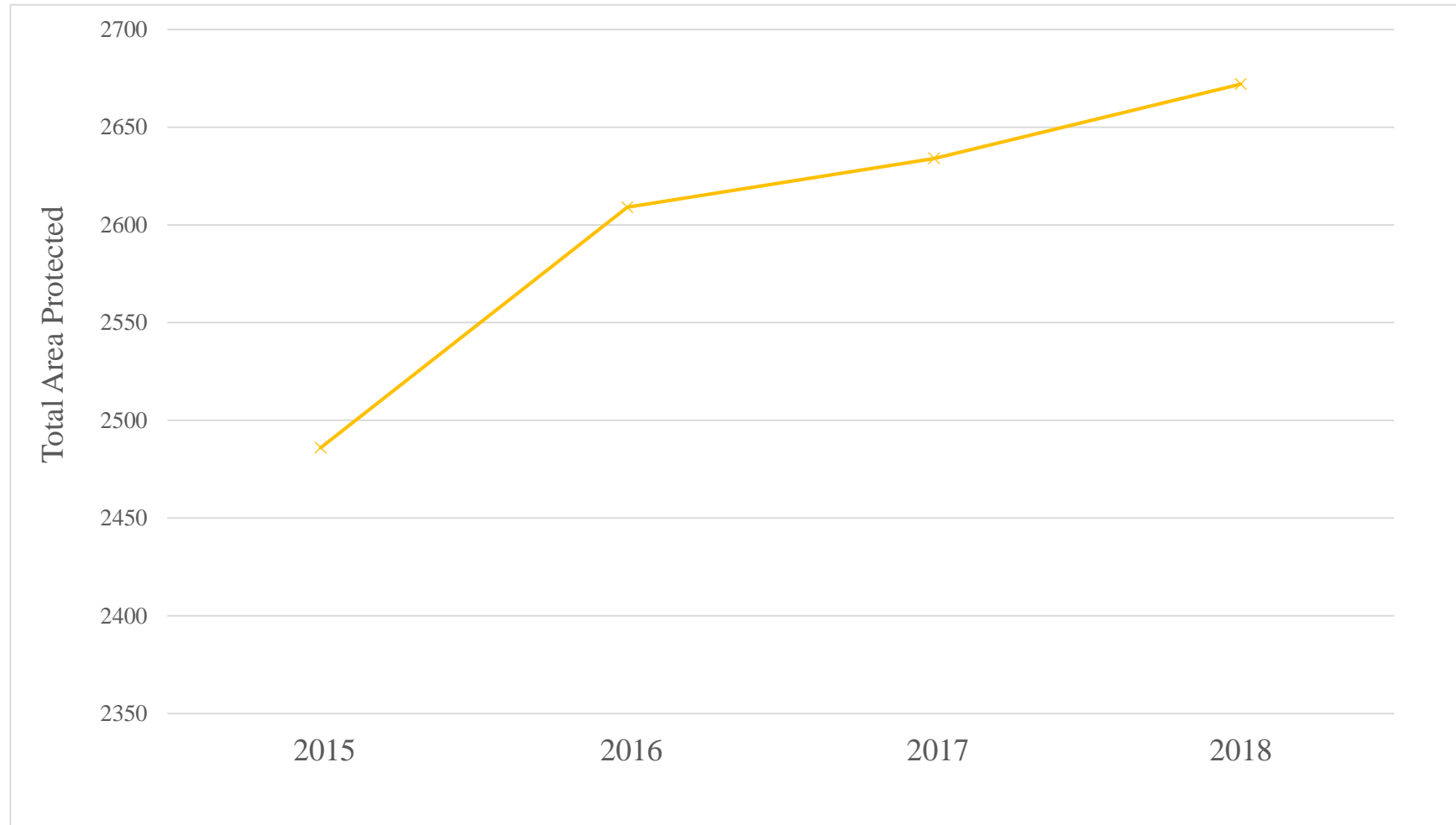


Increased coral cover inside the core zone of the MPA



Increased fish density inside the core zone of the MPA

Results



Increased areal extent of protected critical habitat

Results



TINMR PAMB members receiving the award for Para El Mar



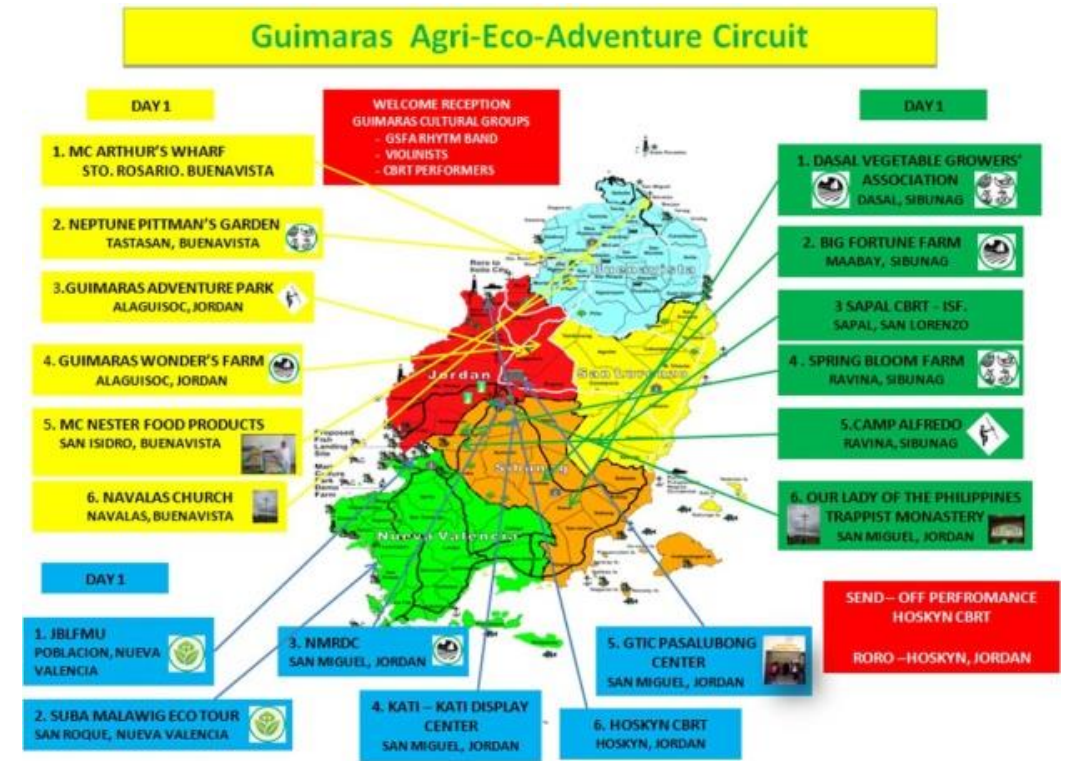
Hon. Galila, Municipal Mayor of Nueva Valencia receiving the award for the 2017 Most Outstanding Coastal Community Regional Level



Governor Gumarin with the Provincial Government staff receiving the 2017 Excell Awards Regional Level

Expected Impact Areas

- Fisheries
- Food Security
- Tourism
- Employment
- Coastal and Marine Ecosystem
- Climate Change



Way forward

1. Development of MPAs for ecotourism as part of the ecotourism circuit
2. Establishment of additional MPAs to increase areal extent of habitats under protected status (**PNLG SAP** target of 2, 672 has. protected by **2021 achieved; PPFP** target of 6, 198.78 has. protected by **2035**)
3. Sustainable livelihood for displaced fisherfolks within MPA sites
4. Establishment of inter-LGU alliances to facilitate MPA networking
5. Consolidation and encoding of monitoring data into the Integrated Information Management System to support the State of the Coasts reporting

Taklong Island National Marine Reserve (TINMR)

THANK YOU



Success is not final, failure is not
fatal: it is the courage to continue
that counts.

Winston Churchill

