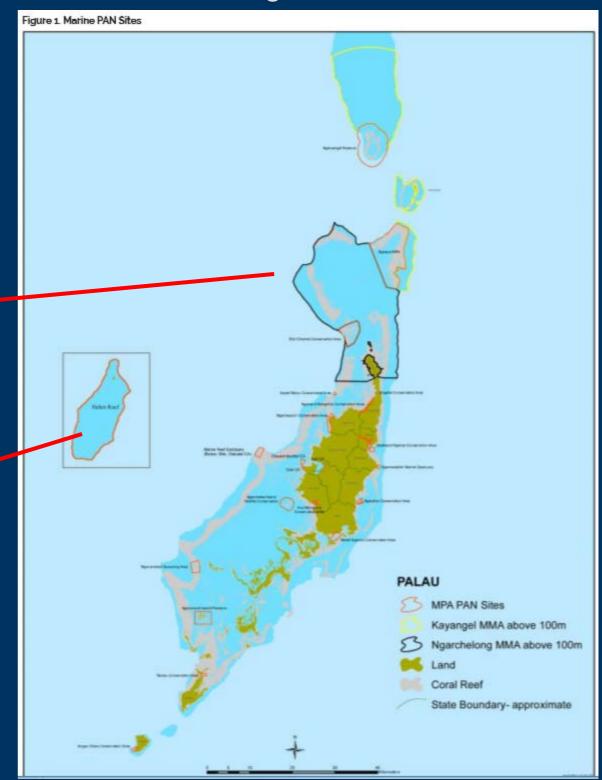


Republic of Palau Map Scale 1:4,000,000 Palau EEZ Palau National Marine Sanctuary

PAN sites are locally managed by state government





Background and History

- Conservation is a Palauan value
- 2003 PAN Act (RPPL 6-39)
- 2006 Micronesia Challenge and PAN Funds
- 2008 PAN Funds (RPPL 7-42)
- 2009 Green Fee
- 2010 Ngardok Nature
 Reserve of Melekeok State
 becomes first PAN Site
- 2012 PAN Funds Board
- 2017 Ngatpang becomes the 15th state to establish a PAN Site



PAN Process

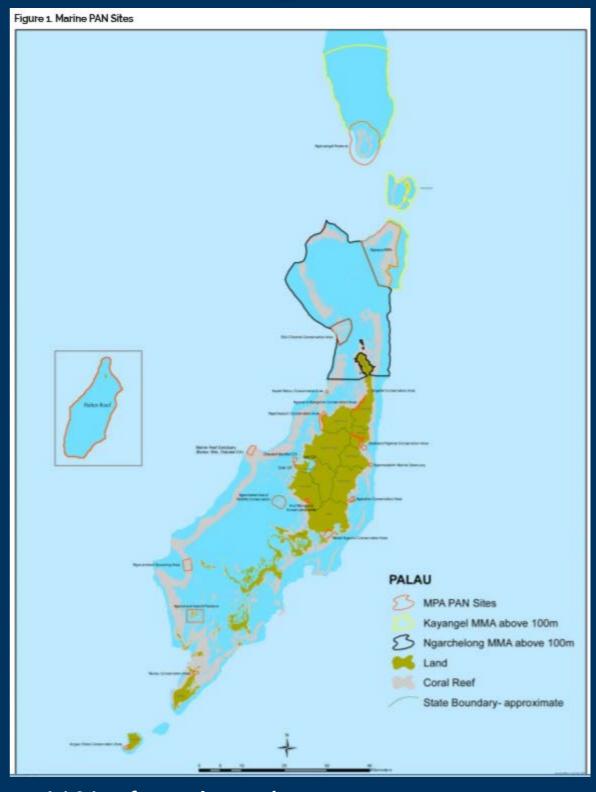
 States manage Management and PAN sites as Technical committee advise Ministry on resource evaluation, policy and owners decision making Ministry's PAN Office guide State management nominate site based on - legislative national law resolution and regulations PAN Funds PAN award startup Office/MNRET funds for assess and management approve based on plan and office establishment **IUCN** criteria PANO/Ministry PAN Funds review and award approve reports

- 1. Management Committee is made up of governors, traditional leaders and Palau Public Land Authority
- 2. Technical Committee is made up technical experts from government agencies and NGOs
- 3. PAN Funds Board is made up of individuals from NGOs, private sectors and two from the national govern ment as ex-officio members the Minister of Finance and the Minister of Natural Resources, Environment and Tourism.

	DECEMBER 1		Day to be	
- HOLES	100	Sites	LIV SILI	

State	State PAN Site		Terrestrial PAN Sites (km²)	TOTAL square area of PAN Site (km²)	IUCN Category (if assigned)**
Aimeliik	Imul	Sites (km²)* 0.8	0.0	0.8	
Aimeliik	Marine Reef Sanctuary	2.8	0.0	2.8	II
Aimeliik	Ngerchebal	0.3	0.0	0.3	٧I
Aimeliik	Ngerderar Watershed Reserve	0.0	3.8	3.8	VI
	Aimeliik Subtotal	3.9	3.8	7.7	
Airai	Medal Ngediull Conservation Area	32	0.1	33	
	Airai Subtotal	32	0.1	3.3	
Angaur	Angaur Conservation Area	0.7	0.0	0.7	IV
	Angaur Subtotal	0.7	0.0	0.7	
Hatohobei	Helen Reef Conservation Area	162.0	10	163.0	la
	Hatohobei Subtotal	162.0	10	163.0	- 12
Kayangel	Territorial Waters	331.0	0.0	331.0	la
Kayangel	Ngkesol	81.0	0.0	81.0	la
Kayangel	Ngaruangel Marine Reserve	30.0	5.0	35.0	lb
Kayangel	Ngerusebek	0.000	0.003	0.003	٧I
Kayangel	Chermall	0.000	0.003	0.003	VI
r wywngot	Kayangel Subtotal	442.0	5.0	447.0	**
Koror	Ngerukewid Islands Wildlife Preserve	33	7.7	11.0	lb
Koror	Ngerumekaol Conservation Area	21	0.0	21	- iii
TOTO!	Koror Subtotal	54	7.7	131	
Melekeok	Ngardok Nature Reserve	0.0	5.0	5.0	
Protentoun	Melekeok Subtotal	0.0	5.0	5.0	
Ngaraard	Ngaraard Mangrove Conservation Area	2.0	0.0	2.0	п
Ngaraard	Ungellel Conservation Area	0.03	0.0	0.03	٧ı
Ngaraard	Diong Ra Ngerchok! Conservation Area	0.0	0.0	0.9	*'
Ngaraard	Ngerkall Lake Conservation Area	0.0	2.2	2.2	
Ngarabiu	Ngaraard Subtotal	3.0	3.1	6.1	
Ngarchelong	Ngarchelong Marine Managed Area	521.0	2.0	523.0	la
Ngarchelong	Ebiil Conservation Area	101	0.0	101	lb
11gard leading	Ngarchelong Subtotal	540.1	2.0	542.1	~
Ngardmau	Ngermasech Marine Protected Area	33	0.0	33	
Ngardmau	IlevakiBeluu Reef	0.6	0.0	0.6	IV
Ngardmau	Ngerchelchuus Ridge Conservation Area	0.0	0.3	0.3	
Ngardmau	Medal-A-leychad Waterfall "Taki" CA	0.0	61	61	
Ngarumau	Ngardmau Subtotal		6.4	10.3	
Ngaremlengui	Ngeremeskang Bird Sanctuary	3.9 0.0	15	15	
Ngaremiengui	Ngererneskang Brd Sanctuary Ngeremlengui Subtotal				
Ngatpang	Oreuaol Ibuchel	0.0	0.0	1.5 0.8	III III
Ngatpang	luul Conservation Area	0.0	0.0	0.0	νı
Ngatpang	Crab Conservation Area		0.0	0.3	۷I
Ngaipang	Ngatpang Subtotal	0.3			VI
Ngchesar	Ngelukes Marine Protected Area	15	0.0	1.5	IV
Ngchesar Ngchesar	Mesekelat Watershed Reserve	0.5	0.0 3.8	0.5 3.8	IV
ngunesar					
Mañard	Ngchesar Subtotal	0.5	3.8	43	- 111
Ngiwal Ngiwal	Ngemai Conservation Area Olsolkesol, Ngerbekuu River	1.0	0.0	10	
Ngiwal		0.0	11	11	
Dalalis	Ngiwal Subtotal	1.0	1.1	0.8	- 111
Peleliu	Teluleu Conservation Area	0.8	0.0	0.8	
	Peleliu Subtotal	0.8	0.0		
	Total Area - PAN Sites Total Marine or Terrestrial Area - Palau	1167.4 2868	40.5	1207.93	
	Total Marine of Terrestrial Area - Palau	J. Carried	410		

Progress

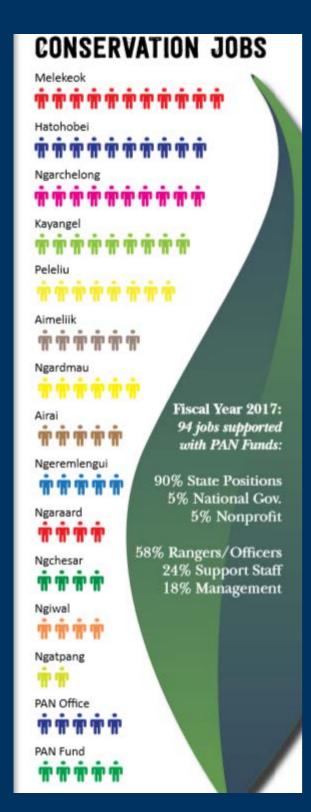


41% of total marine area 10% of total terrestrial area



"Includes mangroves
"As assigned by individual Management Plans

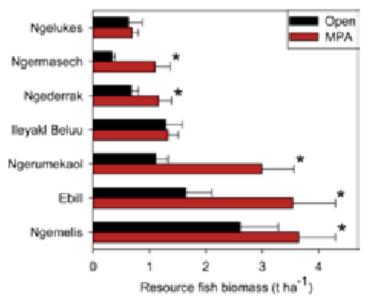
Success Stories



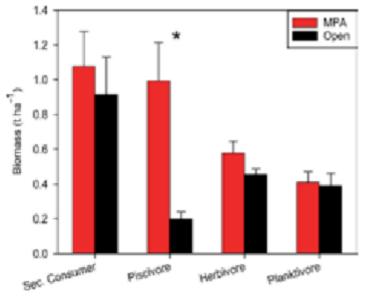
465 sq mi = 1204 sq km

HIGHER FISH BIOMASS

A 2017 study¹ found that resource fish biomass was (2x) higher in PAN MPAs than in adjacent non-prote and top predator biomass was fives times (5x) higher author Dr. Yimnang Golbuu:² "The state governments and local communities that manage these protected areas, the [PAN] Office and PAN Fund and other partners that support these protected areas should be congratulated for their success. By working together, we have demonstrated the value of protected areas to the world and the scientific community."







Biomass by fish trophic groups and management (MPAs (red) and open to fishing (black).²



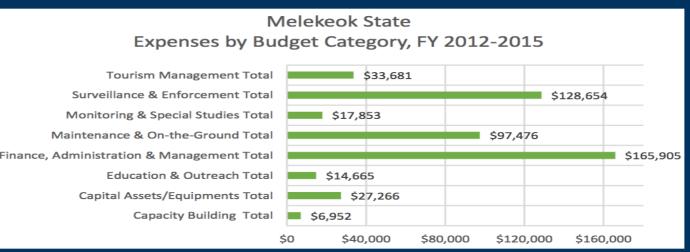


Site Profile: Melekeok State

	Average PAME Score	Rating			
PAME categories assessing Natural Resources					
Biophysical	50%	Poor			
Conservation effect	86%	Good			
Ecosystem services	0%	Poor			
PAME categories assessing Infrastructure					
Enforcement	72%	Adequate			
Finance	33%	Poor			
Infrastructure/equip	67%	Adequate			
Legal	61%	Poor			
Planning	94%	Good			
Staffing	92%	Good			
PAME categories assessing Community Effects					
Socio-economic	75%	Adequate			
Stakeholder engage- ment	76%	Fair			
Traditional knowledge	100%	Effective			
Overall Average	75%	Adequate			

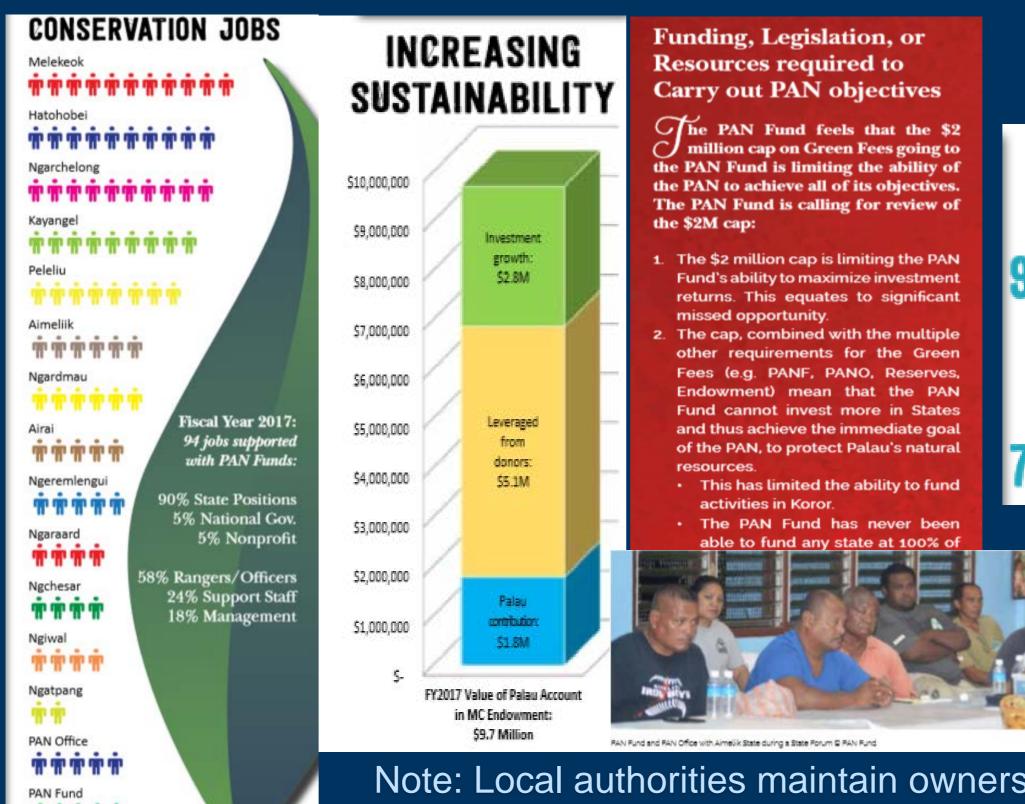
	Ngardok Nature Reserve
Year into PAN	2008
Year Established	1997
Total size (km²)	5.0
Percent Marine/Terrestrial	100% Terrestrial

Features: Wetland of International Significance (Ramsar Convention); Largest freshwater lake in Micronesia; Freshwater river, streams, and habitats; Watershed, Water source for Capitol; Terrestrial and forest biodiversity; Endangered species, particularly saltwater crocodiles; Cultural, tourist, and educational sites, including trail testing and development; Research sites, particularly for soil restoration and water quality. Management: No-take, restricted entry with zones; Active restoration sites and visitor sites. Active research sites.





Challenges, Lessons & Opportunities



Growing

92% Aware of PAN

Support

Participation Rate

Sites w/good 78% Stakeholder Engagement

Note: Local authorities maintain ownership of sites and local capacity is built through PAN



Next Steps



- Capacity development for PAN Office
- Institutionalizing training for site managers
- Sustainable financing mechanisms for PAN site



Sulang!



