Office of the PALARIS

Republic of Palau National GIS Office

Using GIS In Palau for mapping & various project

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25 – 29 Nov. 2024 | Japan USP-ICT
Theatre USP Laucala Campus | Suva | Fiji

PALARIS ROLES:

- Serves all agencies including the National, State Government, & private sectors.
- Collect & process geographical data.
- Process & produce maps for public in terms of residential or business maps.
- Strengthen collaboration between the government sectors, state governments, private sectors and the community.
- Improvement of the Land use Planning & Land Management.

Survey Equipment

PALARIS
Republic of Palau's National GIS

- Topcon GR3 GPS
- Topcon Hyper SR
- Carlson BRx7
- Garmin etrex 22
- eBee RTK Drone
- Laser Scanner
- DJI Phantom 4 Pro
- Autel robotics Evo 2
- Wingtra Mapping Drone

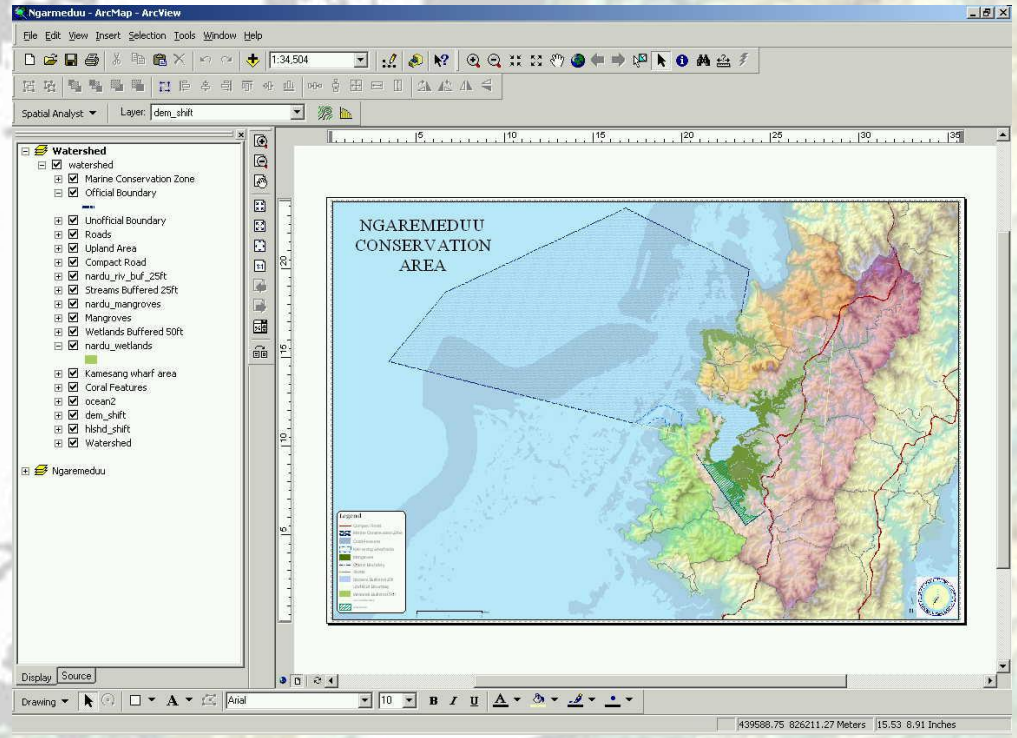
Pix4Dmapper

Agisoft Metashape

QT Modeler

ArcGIS® Pro

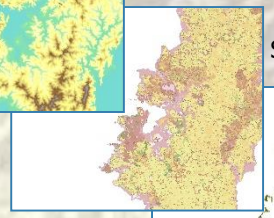
GIS Geographic Information Systems



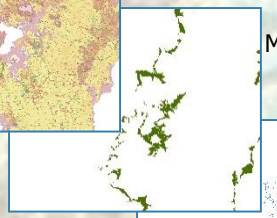
The development of a **G**eographic **I**nformation **S**ystem (**GIS**) provides a technique to capture, store, manage, analyze and display geographically referenced information for optimal decision-making.

Lidar Image 2021

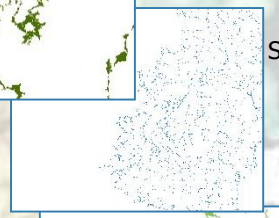
Digital Elevation Model (DEM)



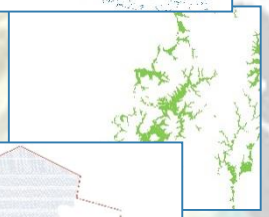
Soils



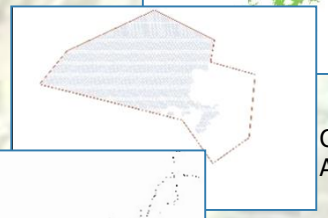
Mangroves



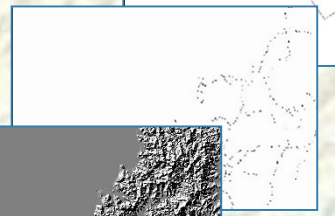
Streams



Wet Lands

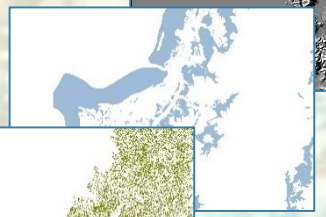


Conservation Area



Roads

Hill Shade



Corals

Contours

Office of the PALARIS - Palau Automated Land And Resource Information System
Ministry of Resources & Development

For further information please call:
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Current & Ongoing PALARIS Project:

Fire Survey

Drone Survey

Mapping & Invasive Plants Monitoring

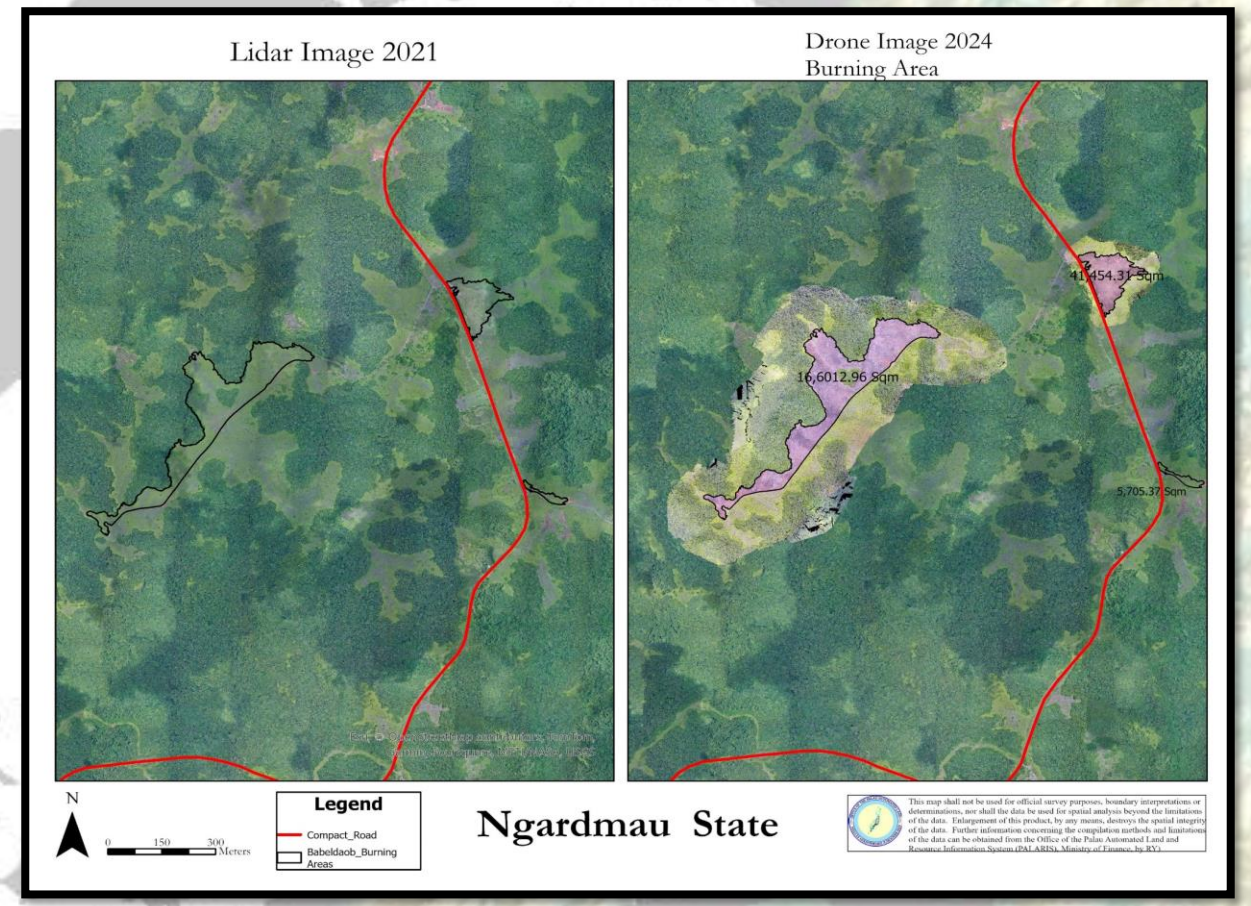
Conservation

Street Naming

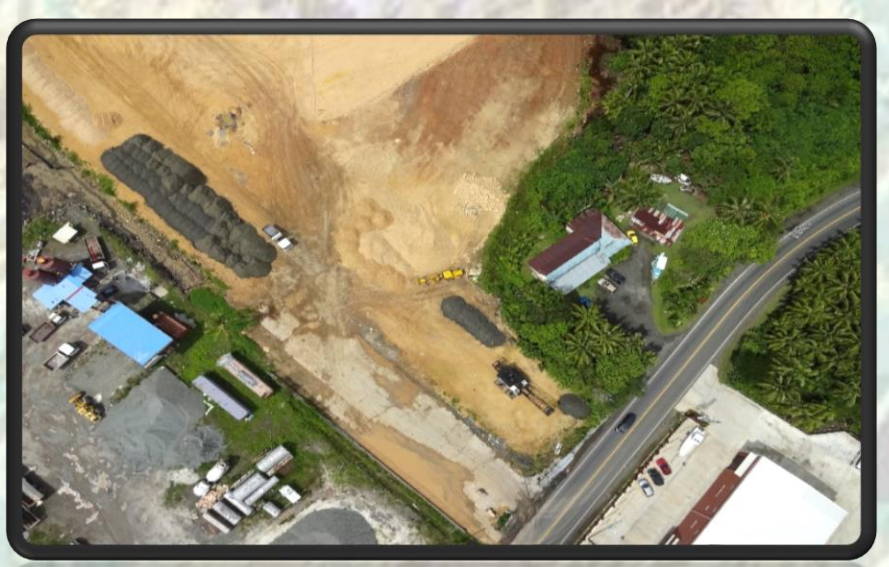
Fire Survey

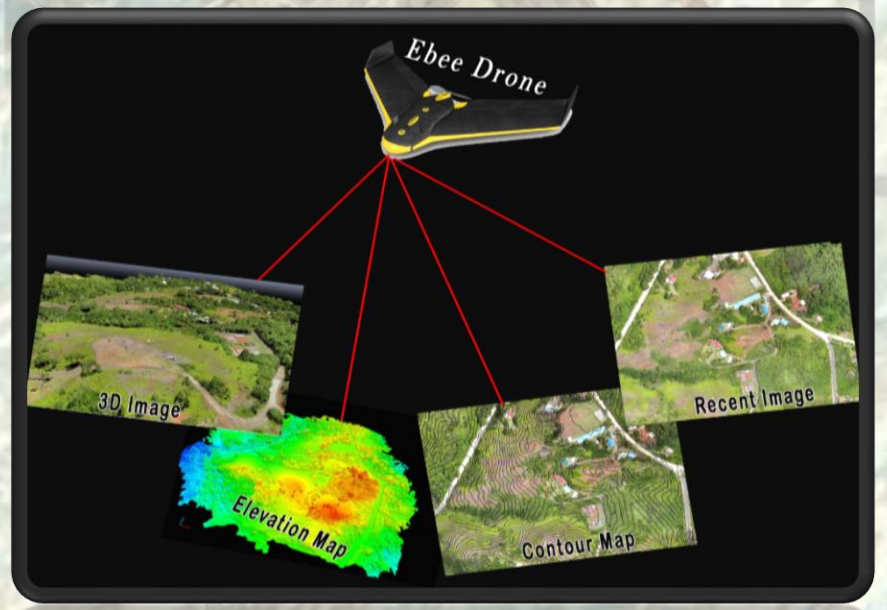
- Identify the location & the size of burned areas.
- Inform the leaders, stakeholders or managers, so they can educate the community of the impact of wildfire.
- Compare the burnt areas with historical images to show the impacted areas.

Fire Survey


Lidar Image 2021
Drone Image 2024
Burning Area
41,454.31 Sqm
16,6012.96 Sqm
5,705.37 Sqm
N
0 150 300 Meters
Legend
Compact_Road
Babeldaob_Burning Areas
Ngardmau State

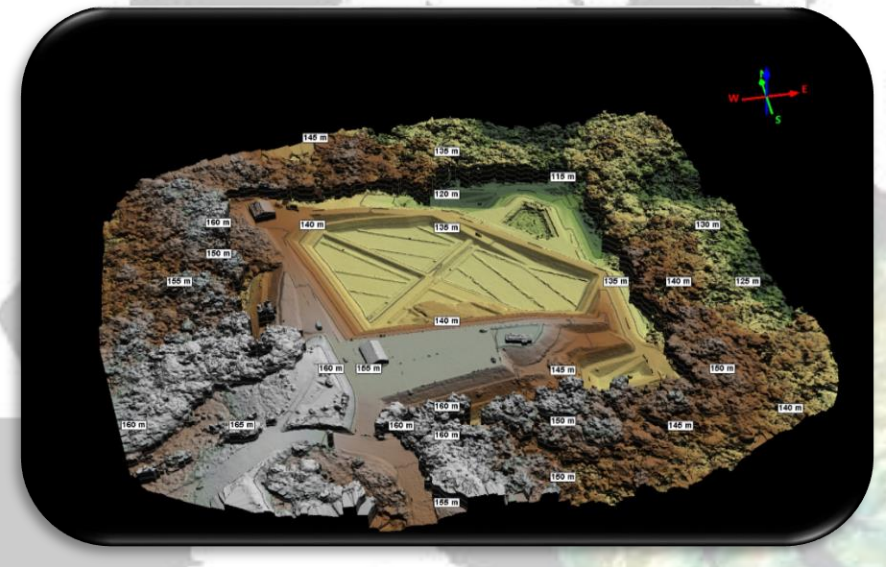
Drone Survey:

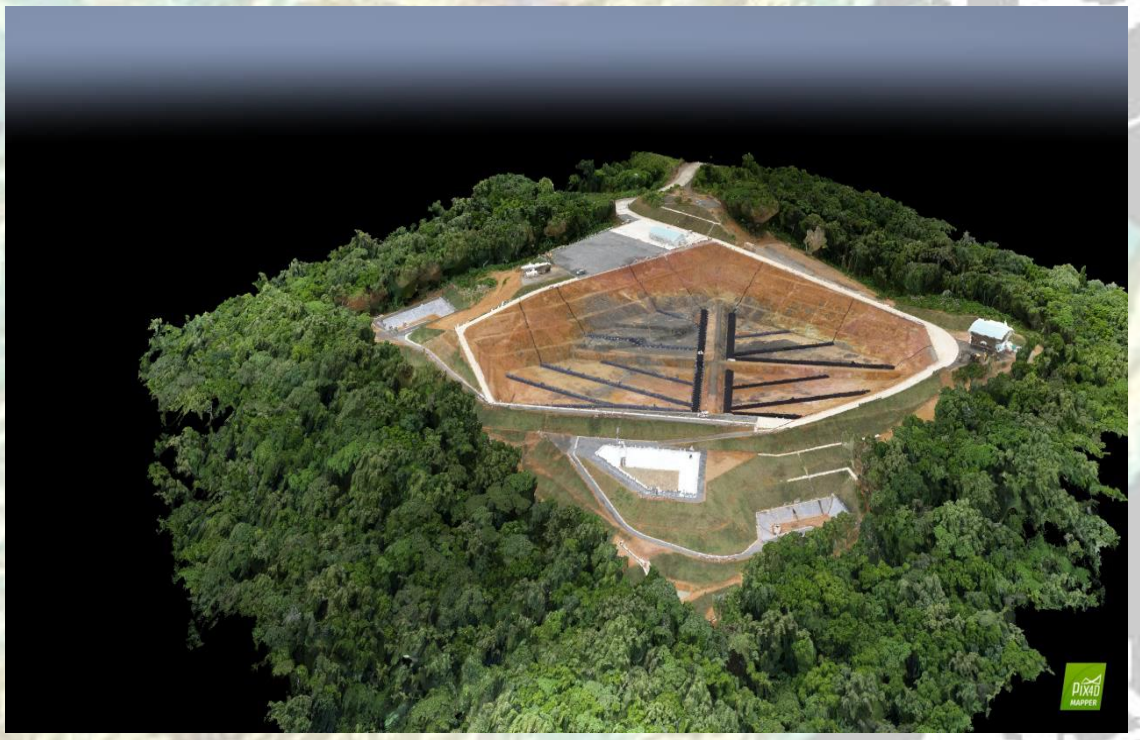




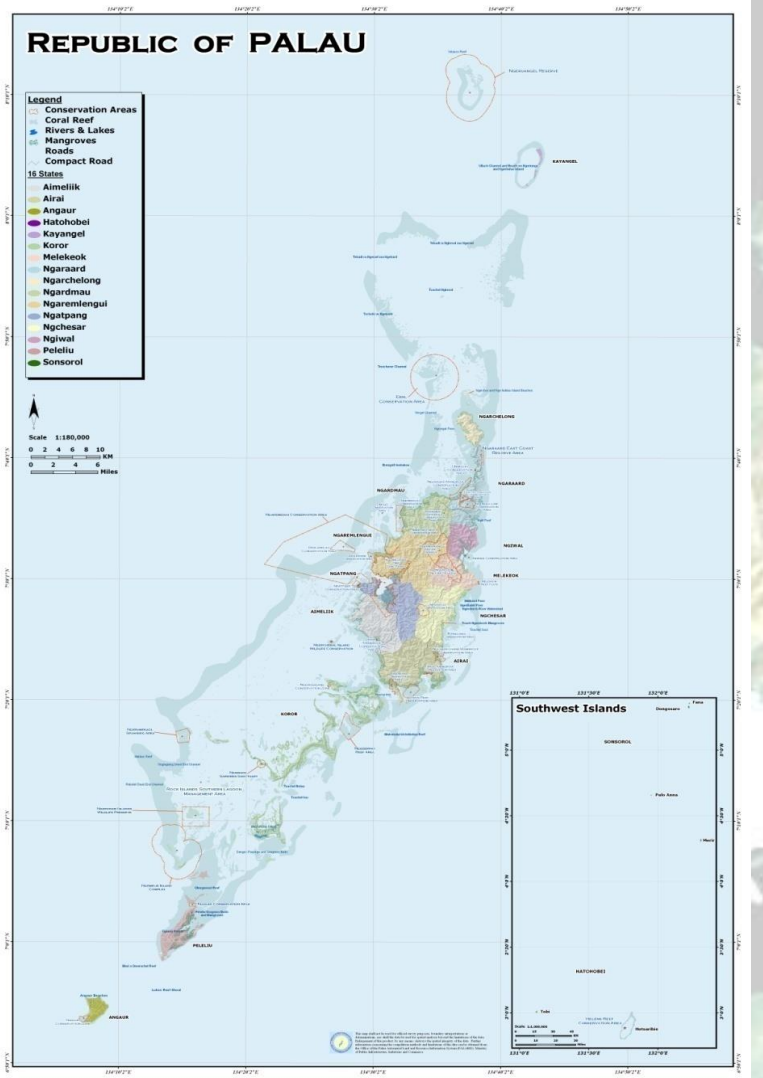
Drone Survey Project:

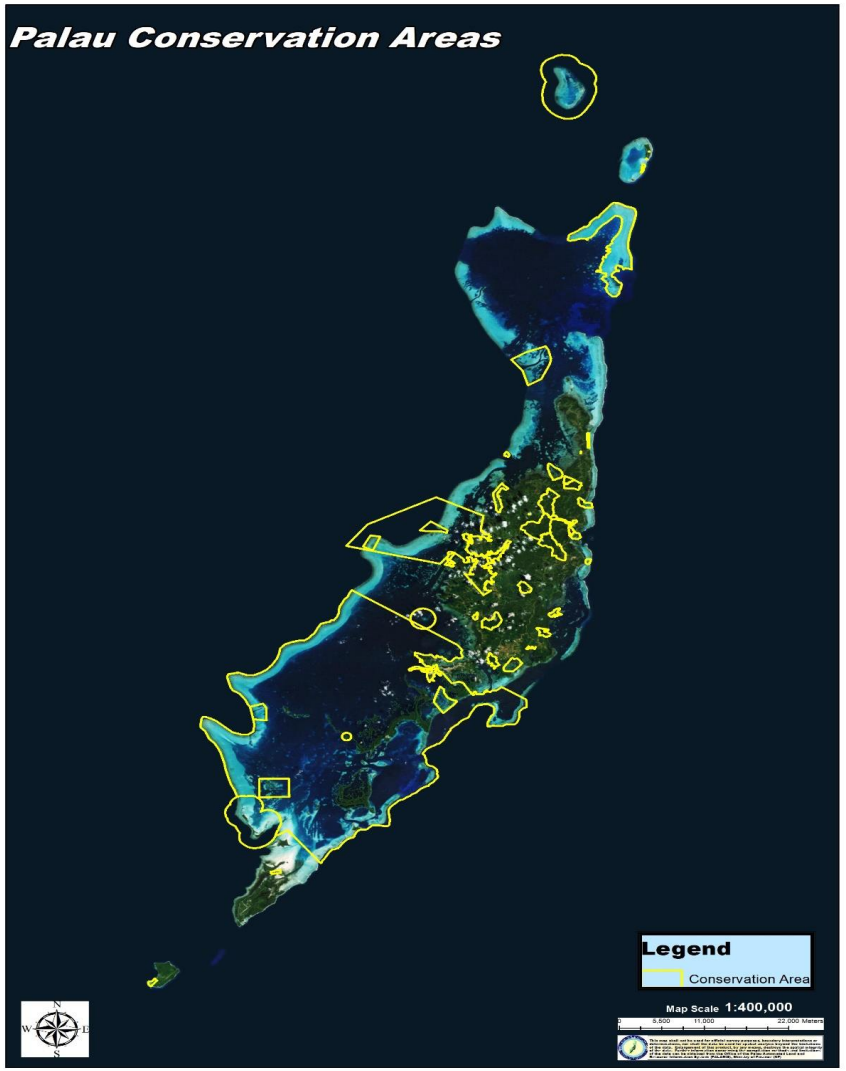
- Aimeliik National Landfill
- Digital Elevation Model of the area
- Image Raster
- 3D video

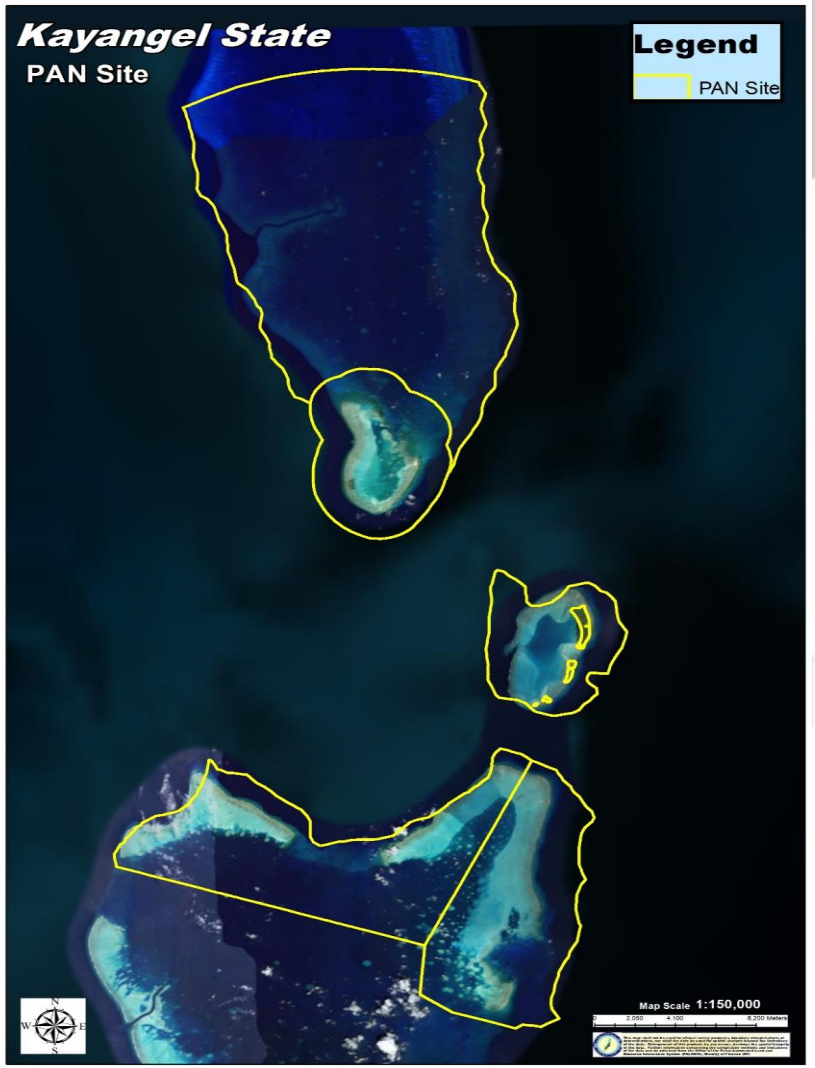




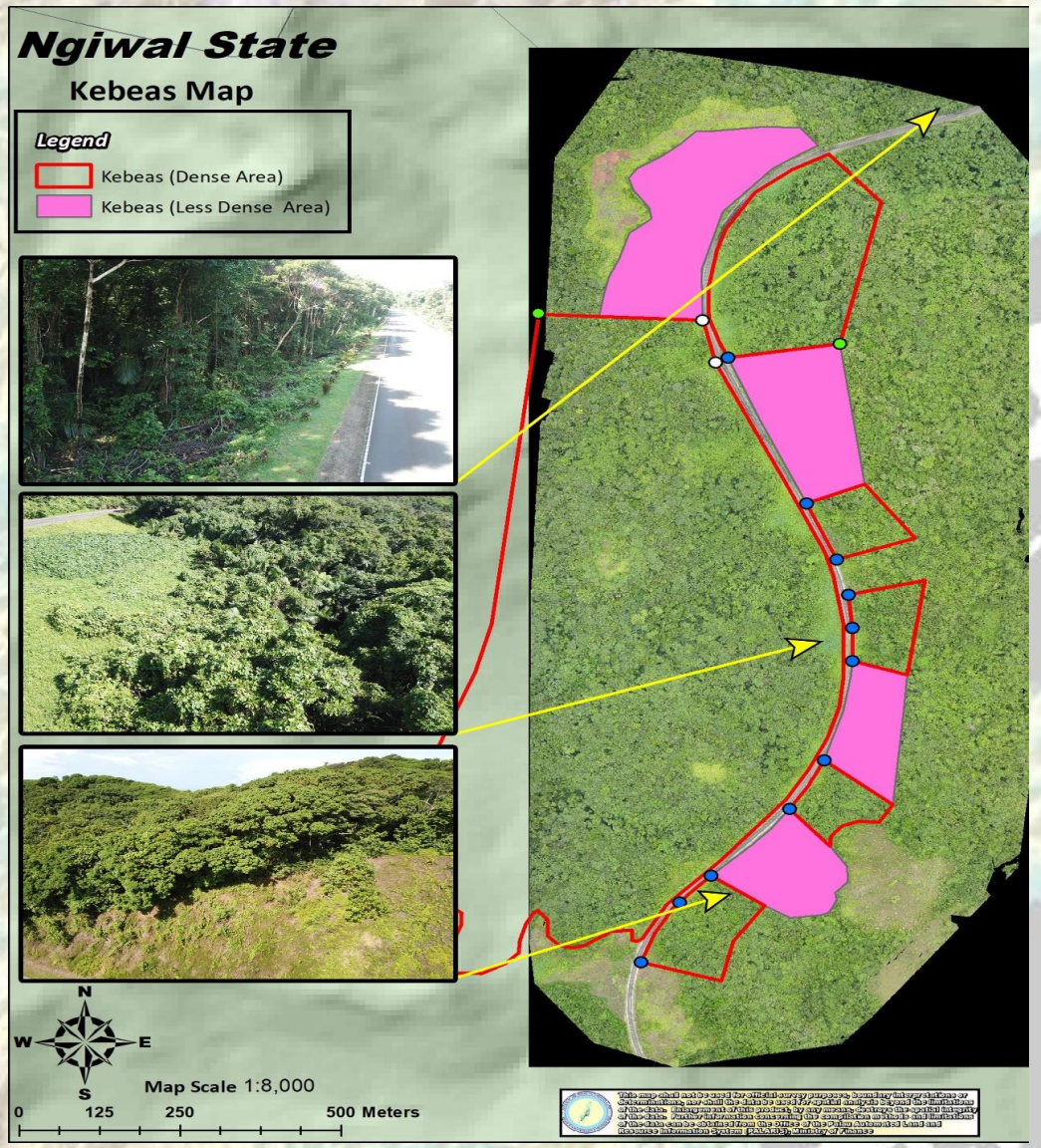
Consevation Areas & PAN Site







Mapping & Invasive Plant Monitoring:



Street Naming Project:

- Project's main software is Arc Pro.
- Phase 1 of the project is Street naming.
- Phase 2 conduct a home numbering system.
- Phase 3 is national address index.
- Collaborate with each state government so they can follow the proper guidelines and name each street within their area.
- Eight of the sixteen states has been done & numbering system for the states that already have official street names will be generated by December 31 of this year.

Street Naming Project:

PALARIS Facebook Page

Scan me!

MESULANG!

PALARIS Website