

COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS

**COMPREHENSIVE  
PUBLIC LAND USE PLAN UPDATE  
GIS MAP BOOK**



PREPARED FOR:  
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and

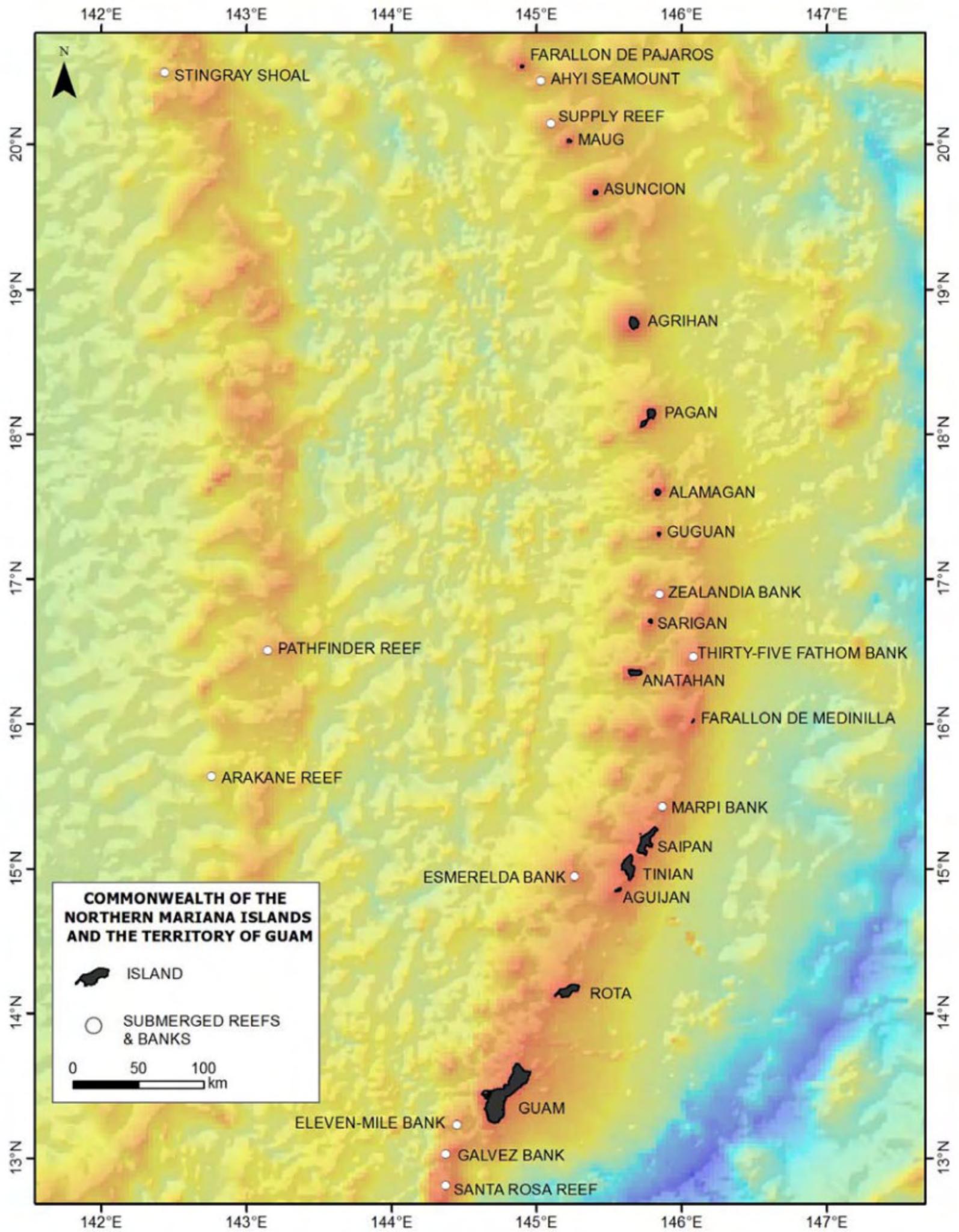
Chris Hart & Partners, Inc.  
115 North Market Street  
Wailuku, Hawaii, 96793-1717

March 2019

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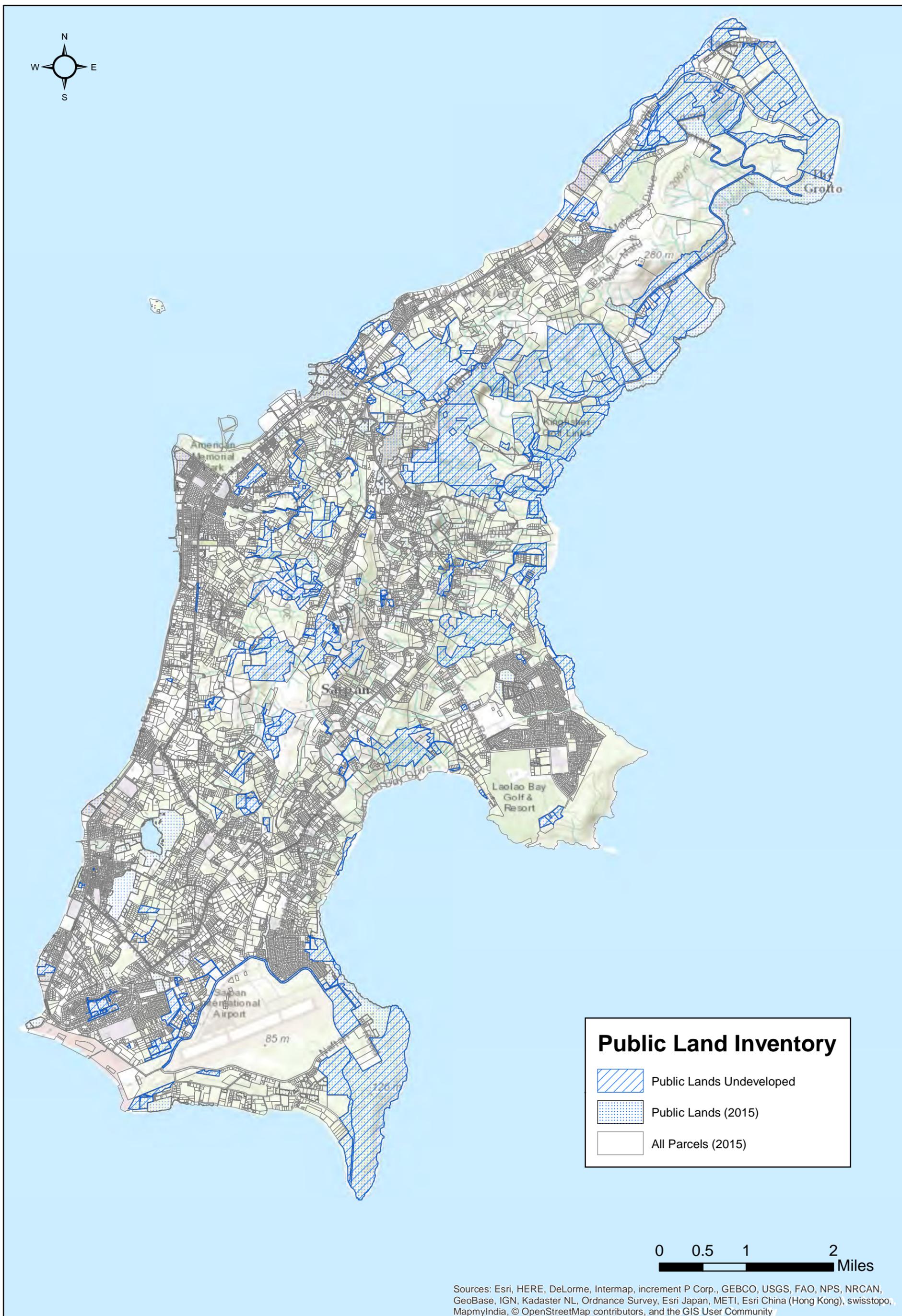
SCHOOL OF OCEAN & EARTH SCIENCE & TECHNOLOGY, University of Hawaii Manoa

# COMMONWEALTH OF THE MARIANA ISLANDS

FIGURE 1



SAIPAN MAPS

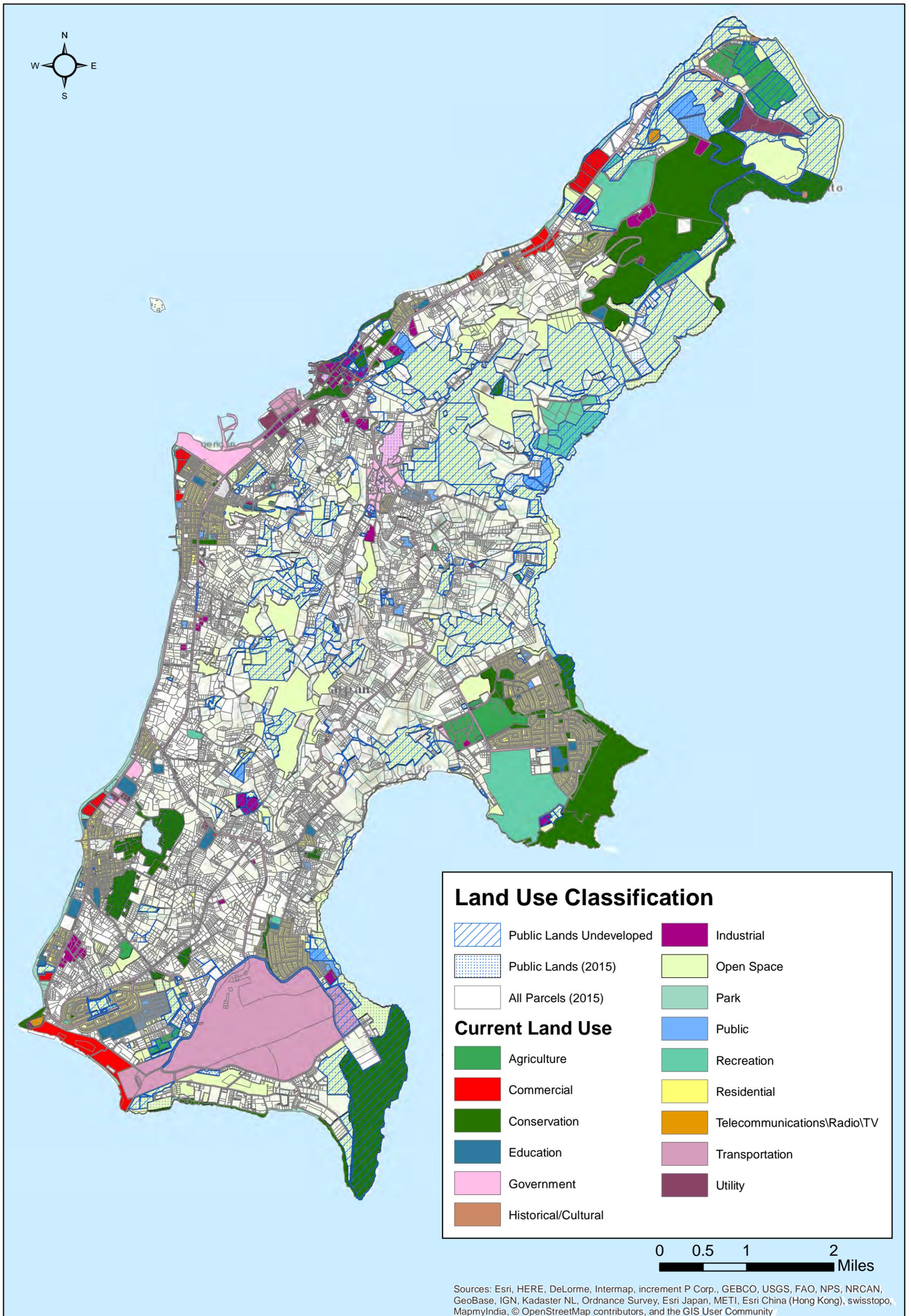


# SAIPAN

**FIGURE S-1**

Parcels & Land Use from 2015 DPL BECQ CAD file prepared by The Baldwin Group Inc., a NOAA contractor



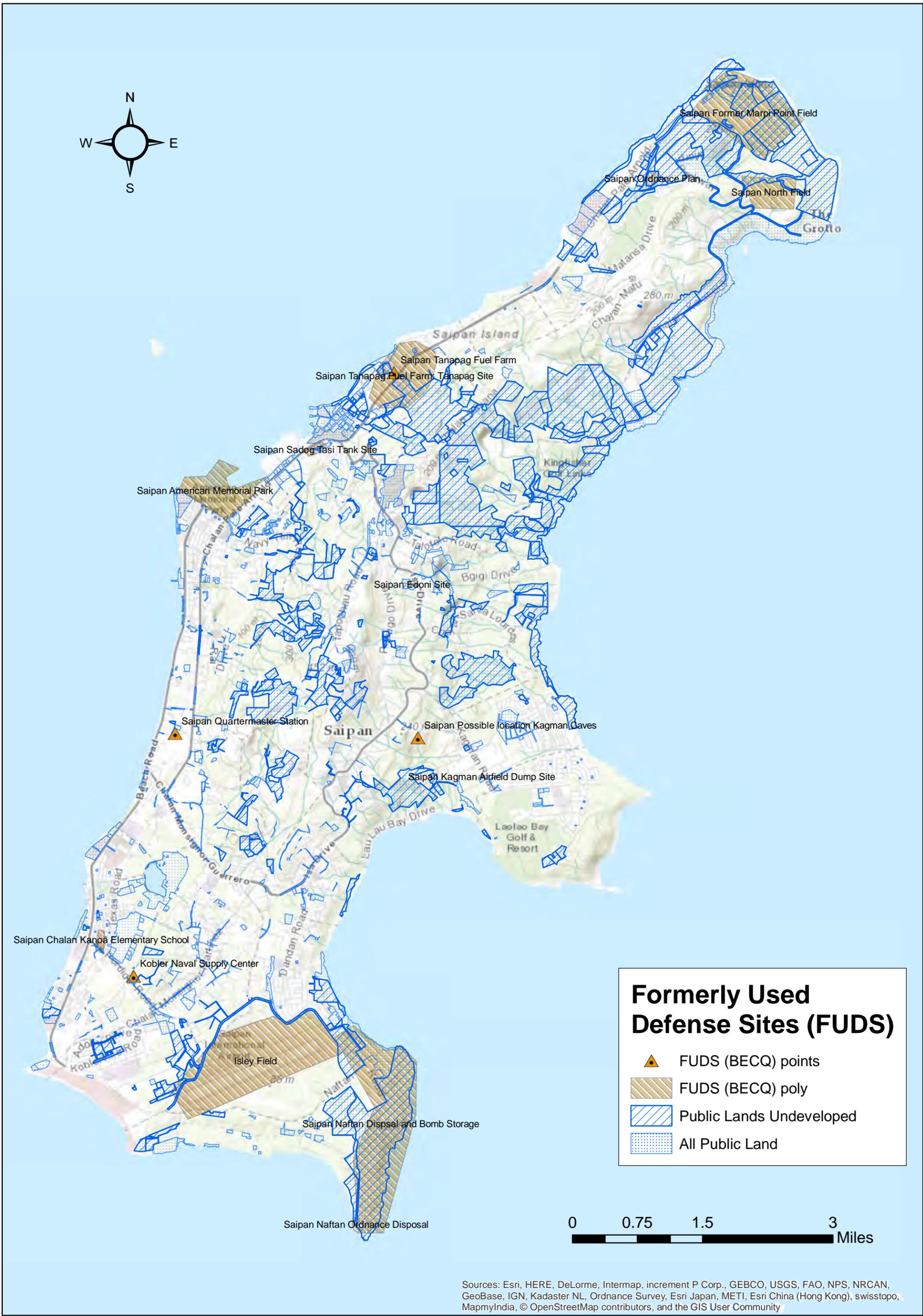


# SAIPAN

## FIGURE S-2

Parcels & Land Use from 2015 DPL BECQ CAD file  
 prepared by The Baldwin Group Inc., a NOAA contractor

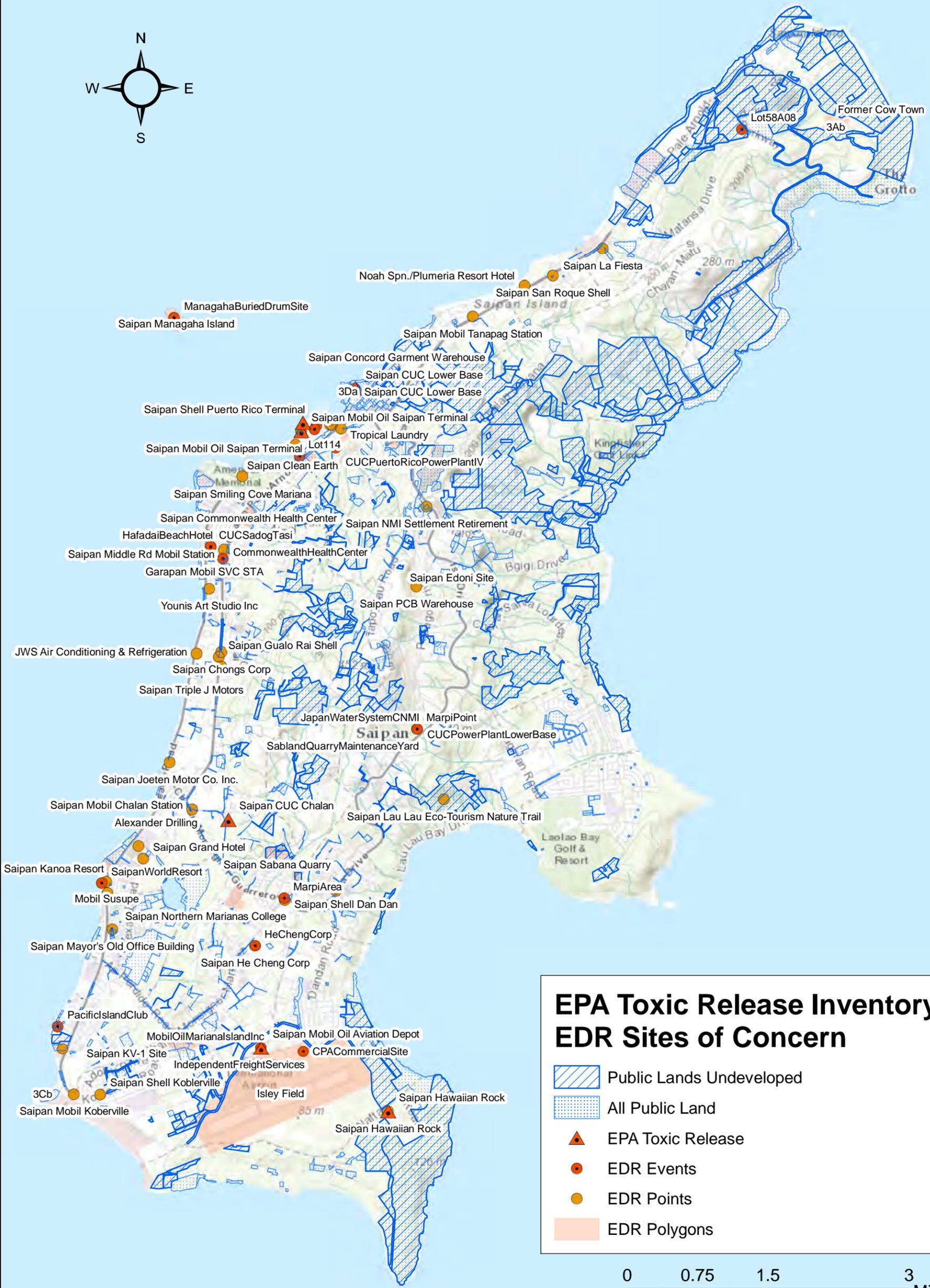
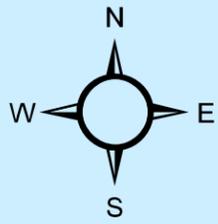




# SAIPAN

FIGURE S-3.1





### EPA Toxic Release Inventory EDR Sites of Concern

- Public Lands Undeveloped
- All Public Land
- EPA Toxic Release
- EDR Events
- EDR Points
- EDR Polygons

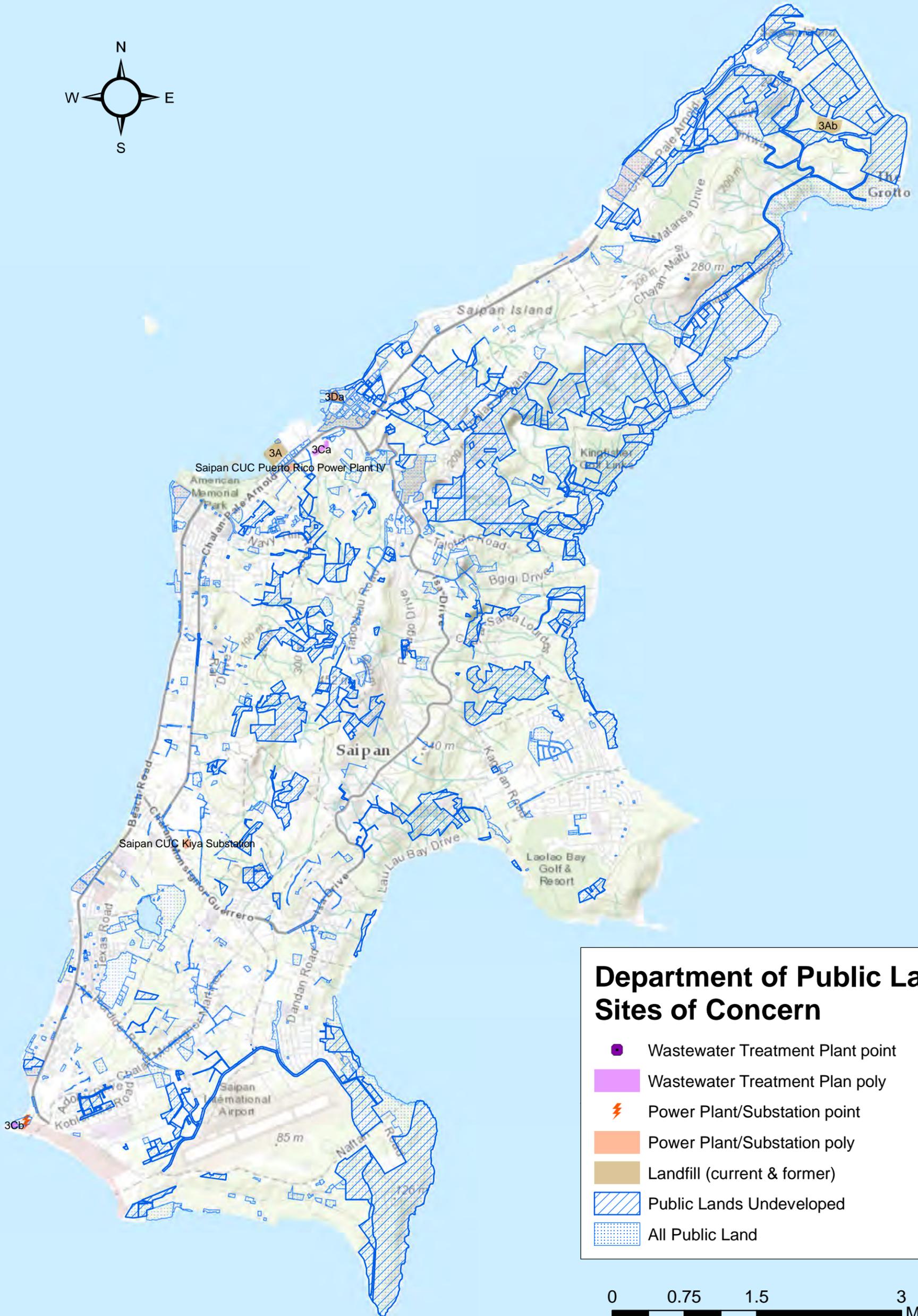
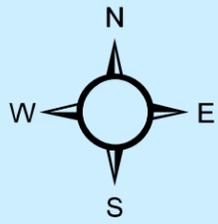


Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

# SAIPAN

FIGURE S-3.2





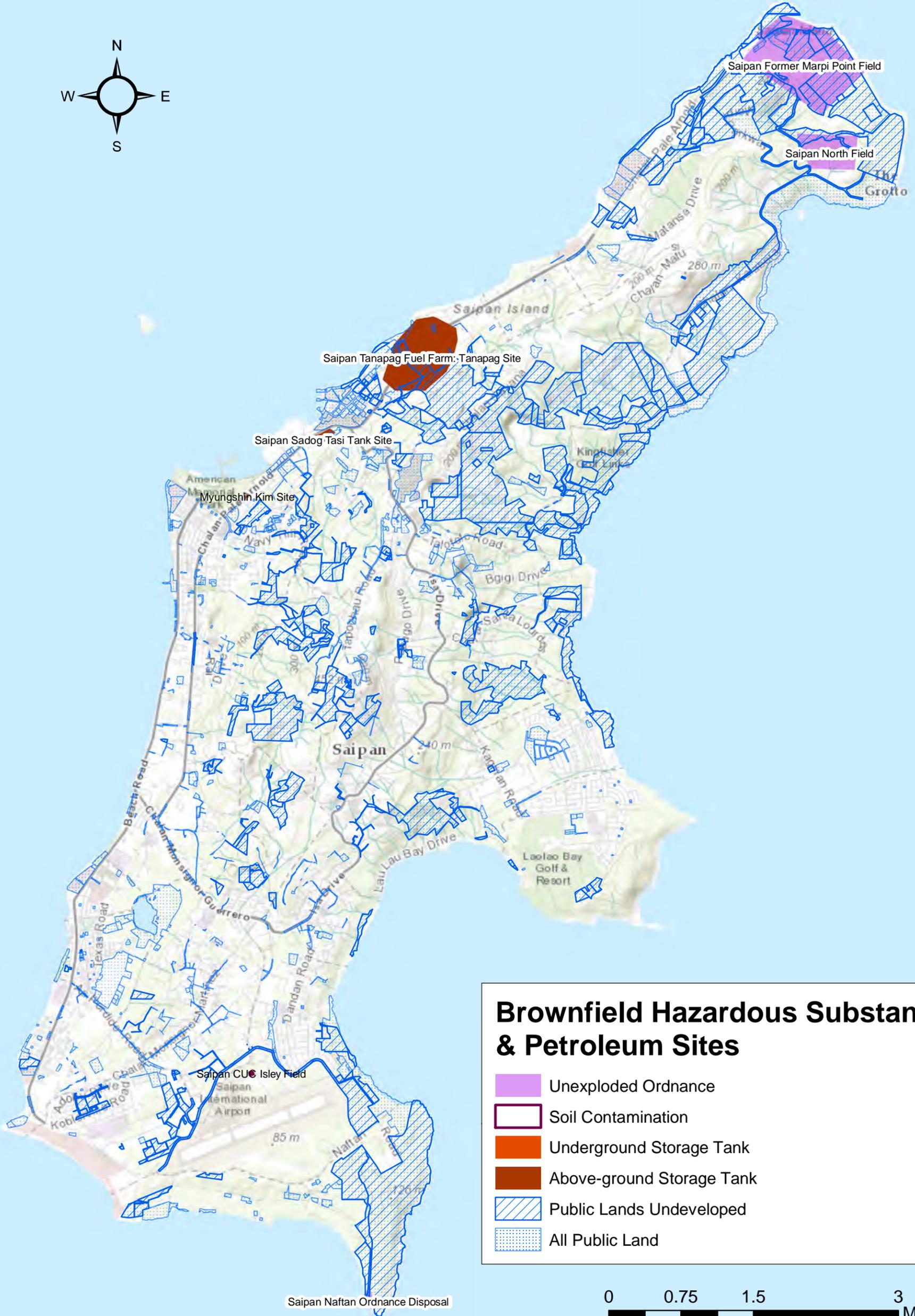
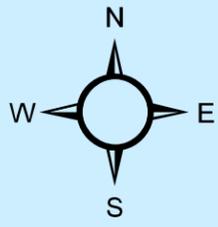
Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

# SAIPAN

## FIGURE S-3.3

Information by CNMI DPL





**Brownfield Hazardous Substances & Petroleum Sites**

- Unexploded Ordnance
- Soil Contamination
- Underground Storage Tank
- Above-ground Storage Tank
- Public Lands Undeveloped
- All Public Land

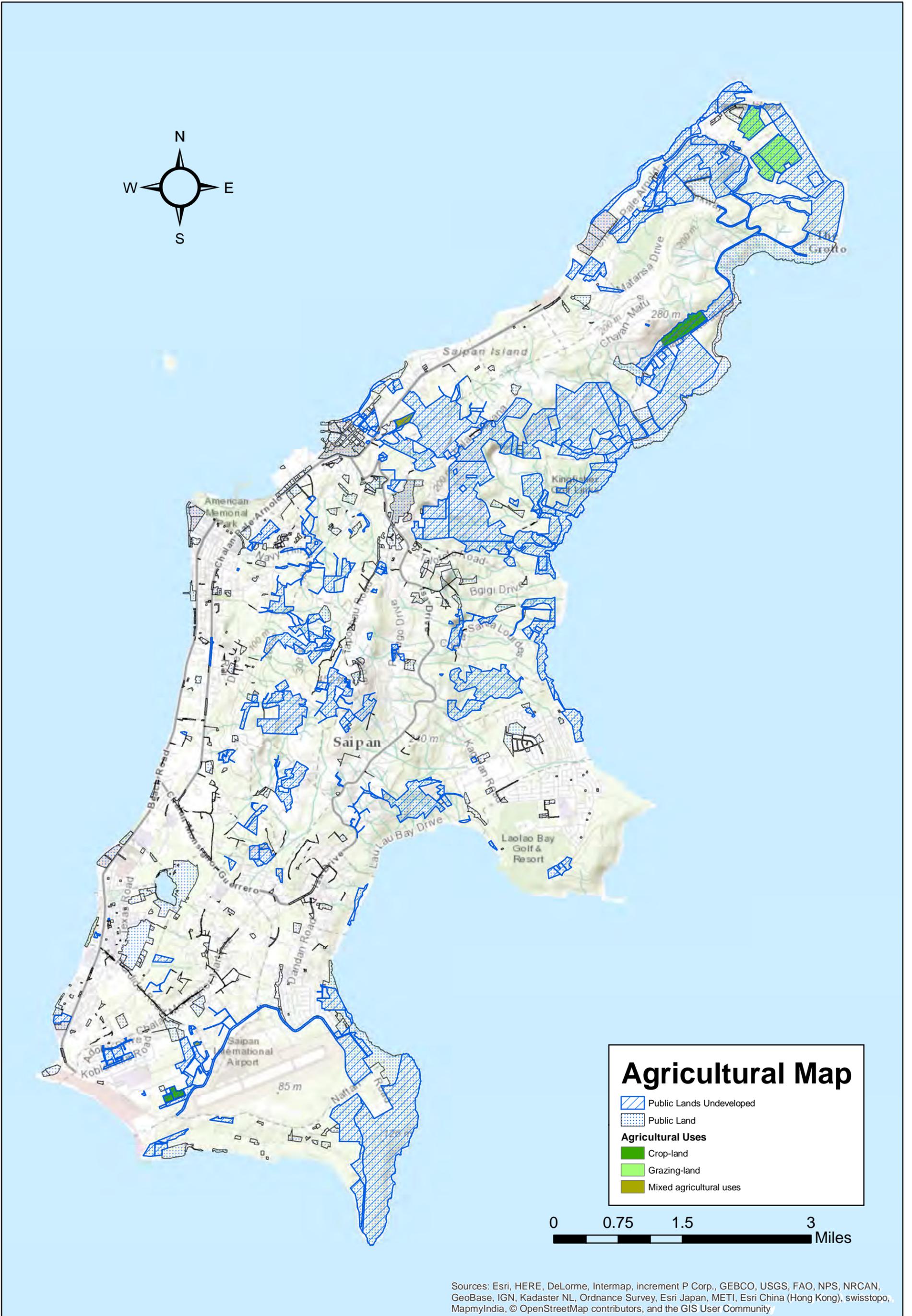


Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

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**FIGURE S-3.4**

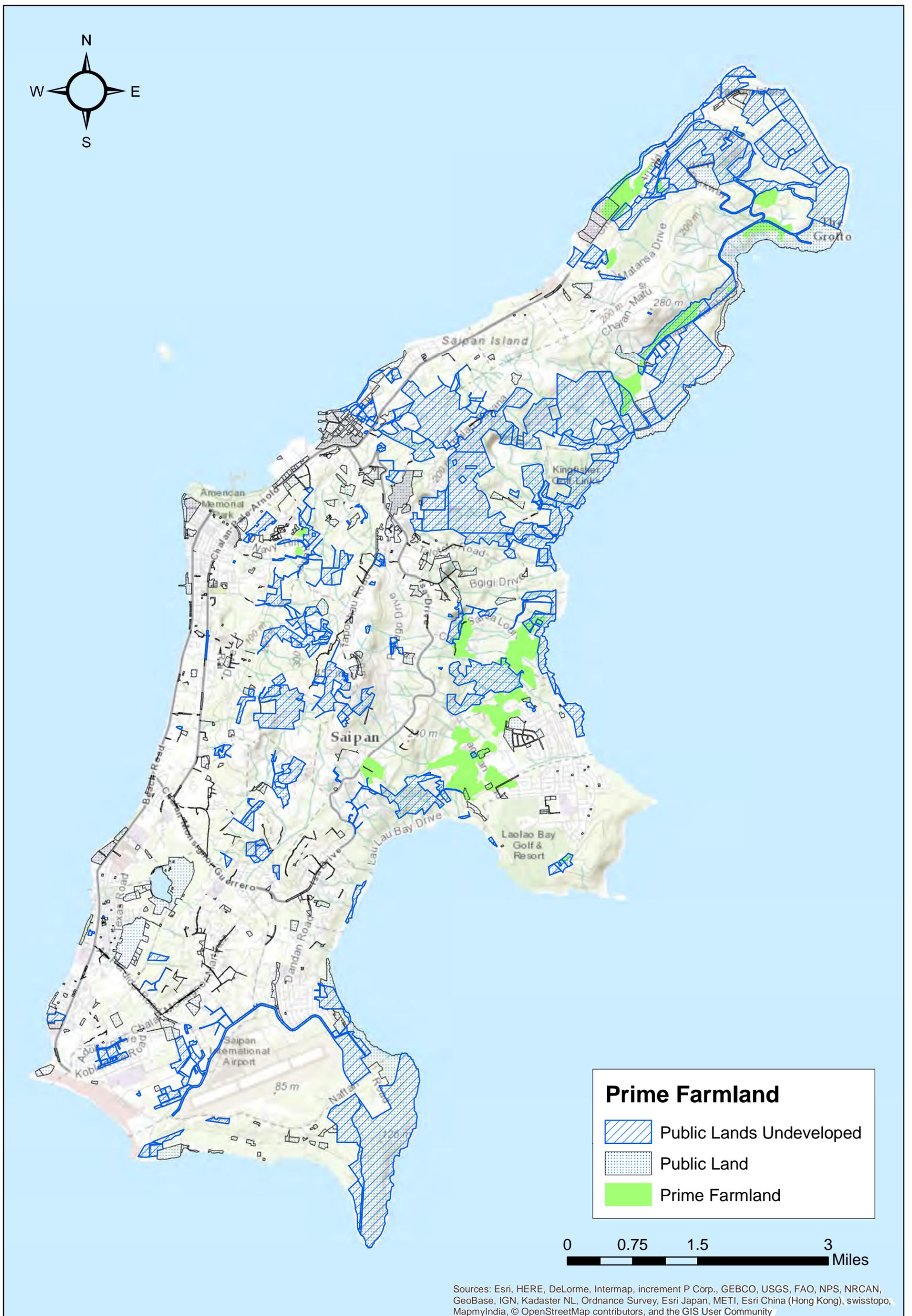




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FIGURE S-4



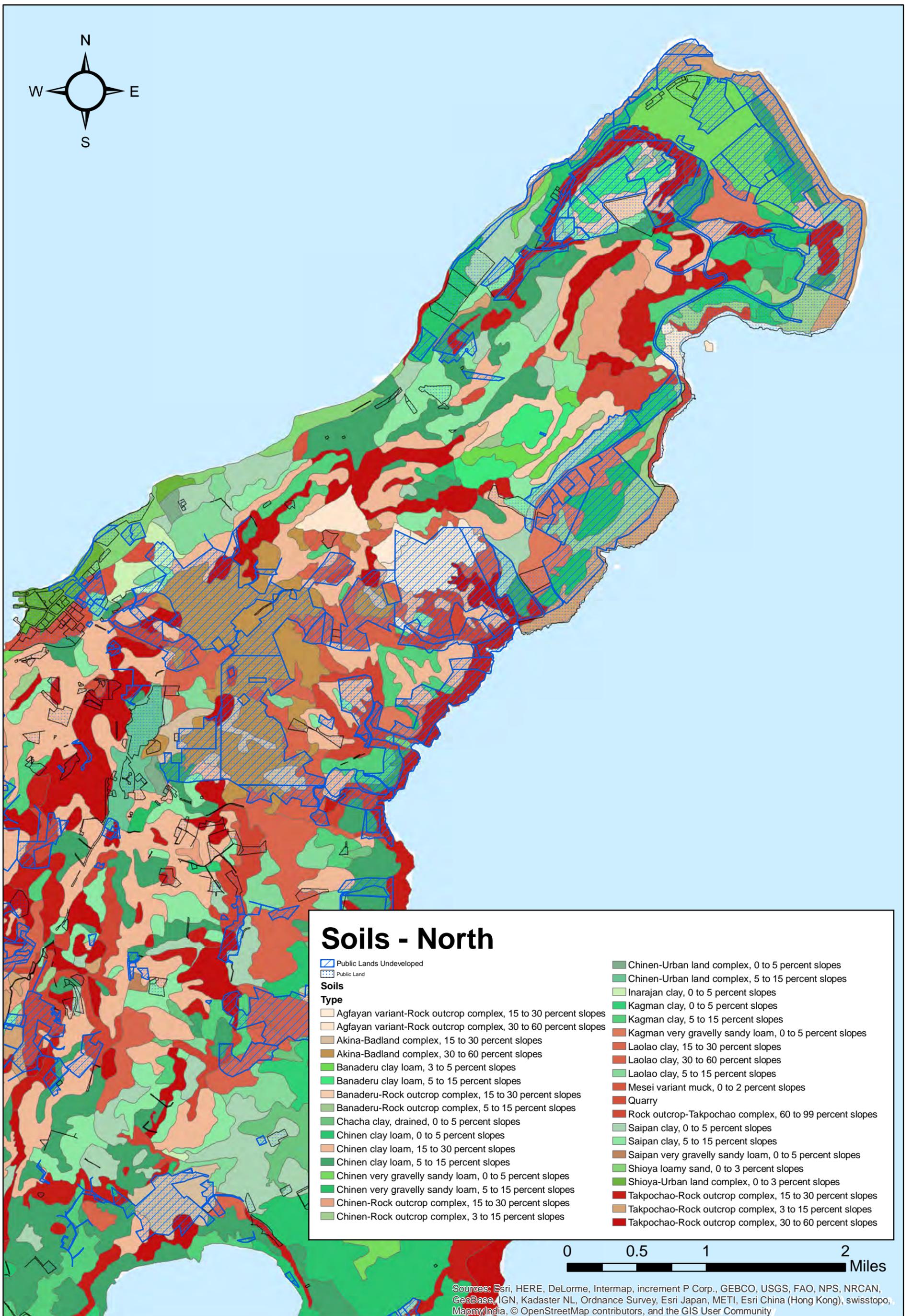


# SAIPAN

FIGURE S-5



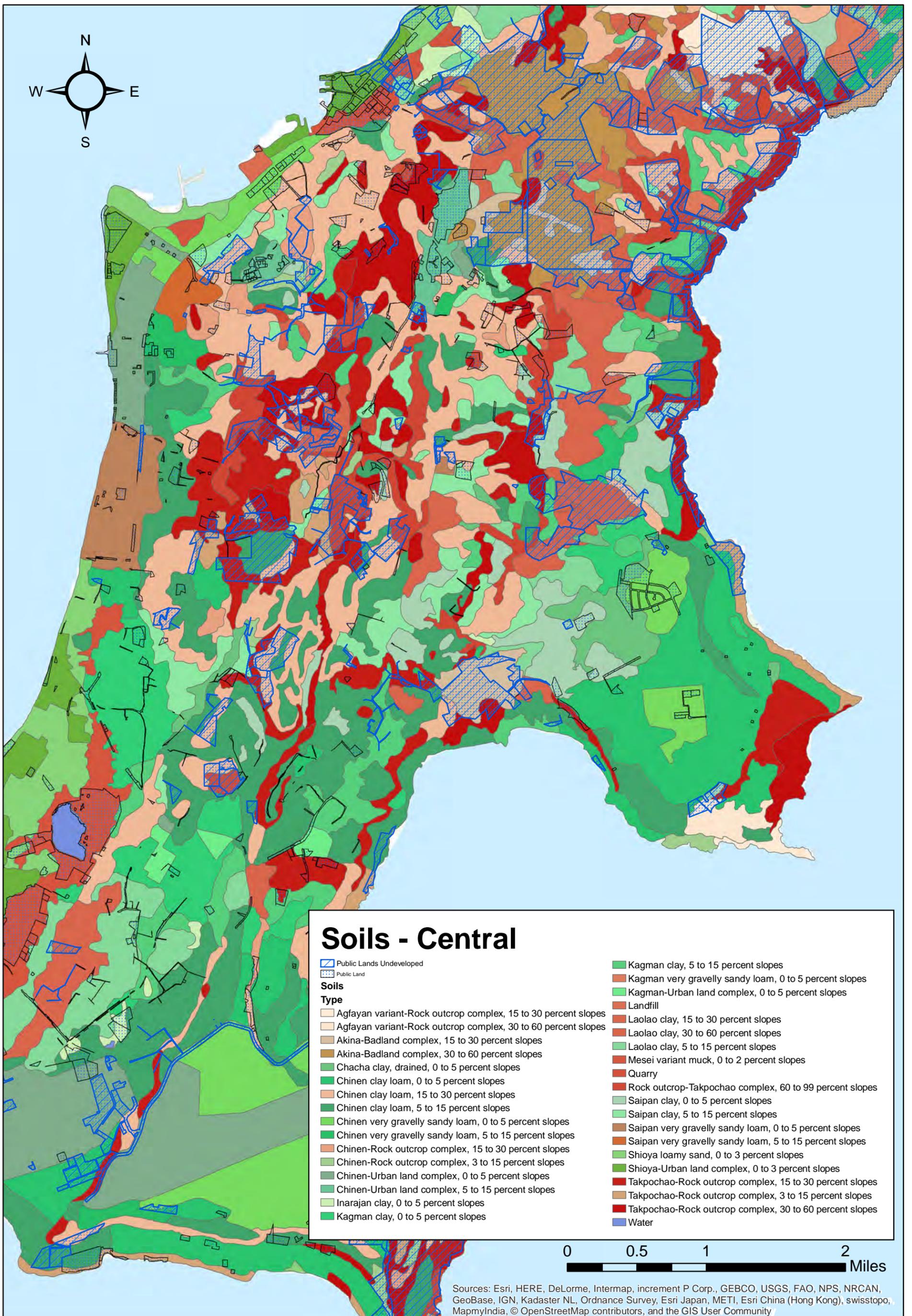
Prime Farmland Designation from National Cooperative Soil Survey data



# SAIPAN

FIGURE S-6.1

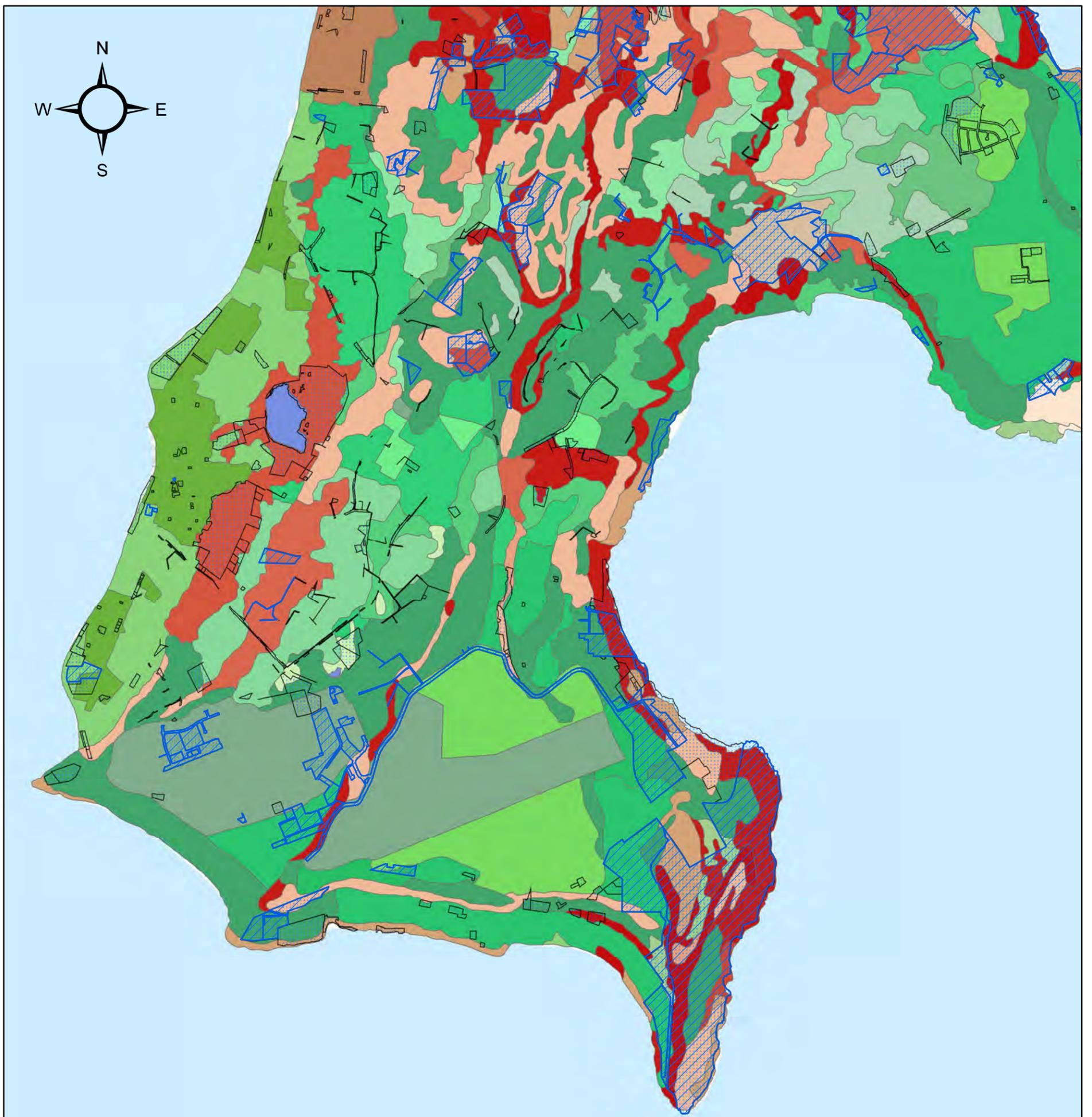




# SAIPAN

FIGURE S-6.2





### Soils - South

Public Lands Undeveloped	Kagman clay, 5 to 15 percent slopes
Public Land	Kagman-Urban land complex, 0 to 5 percent slopes
<b>Soils</b>	Laolao clay, 15 to 30 percent slopes
<b>Type</b>	Laolao clay, 30 to 60 percent slopes
Agfayan variant-Rock outcrop complex, 15 to 30 percent slopes	Laolao clay, 5 to 15 percent slopes
Agfayan variant-Rock outcrop complex, 30 to 60 percent slopes	Mesei variant muck, 0 to 2 percent slopes
Akina-Badland complex, 15 to 30 percent slopes	Quarry
Chacha clay, drained, 0 to 5 percent slopes	Rock outcrop-Takpochao complex, 60 to 99 percent slopes
Chinen clay loam, 0 to 5 percent slopes	Saipan clay, 0 to 5 percent slopes
Chinen clay loam, 15 to 30 percent slopes	Saipan clay, 5 to 15 percent slopes
Chinen clay loam, 5 to 15 percent slopes	Saipan very gravelly sandy loam, 0 to 5 percent slopes
Chinen very gravelly sandy loam, 0 to 5 percent slopes	Shioya loamy sand, 0 to 3 percent slopes
Chinen very gravelly sandy loam, 5 to 15 percent slopes	Shioya-Urban land complex, 0 to 3 percent slopes
Chinen-Rock outcrop complex, 15 to 30 percent slopes	Takpochao-Rock outcrop complex, 15 to 30 percent slopes
Chinen-Rock outcrop complex, 3 to 15 percent slopes	Takpochao-Rock outcrop complex, 3 to 15 percent slopes
Chinen-Urban land complex, 0 to 5 percent slopes	Takpochao-Rock outcrop complex, 30 to 60 percent slopes
Inarajan clay, 0 to 5 percent slopes	Water
Kagman clay, 0 to 5 percent slopes	

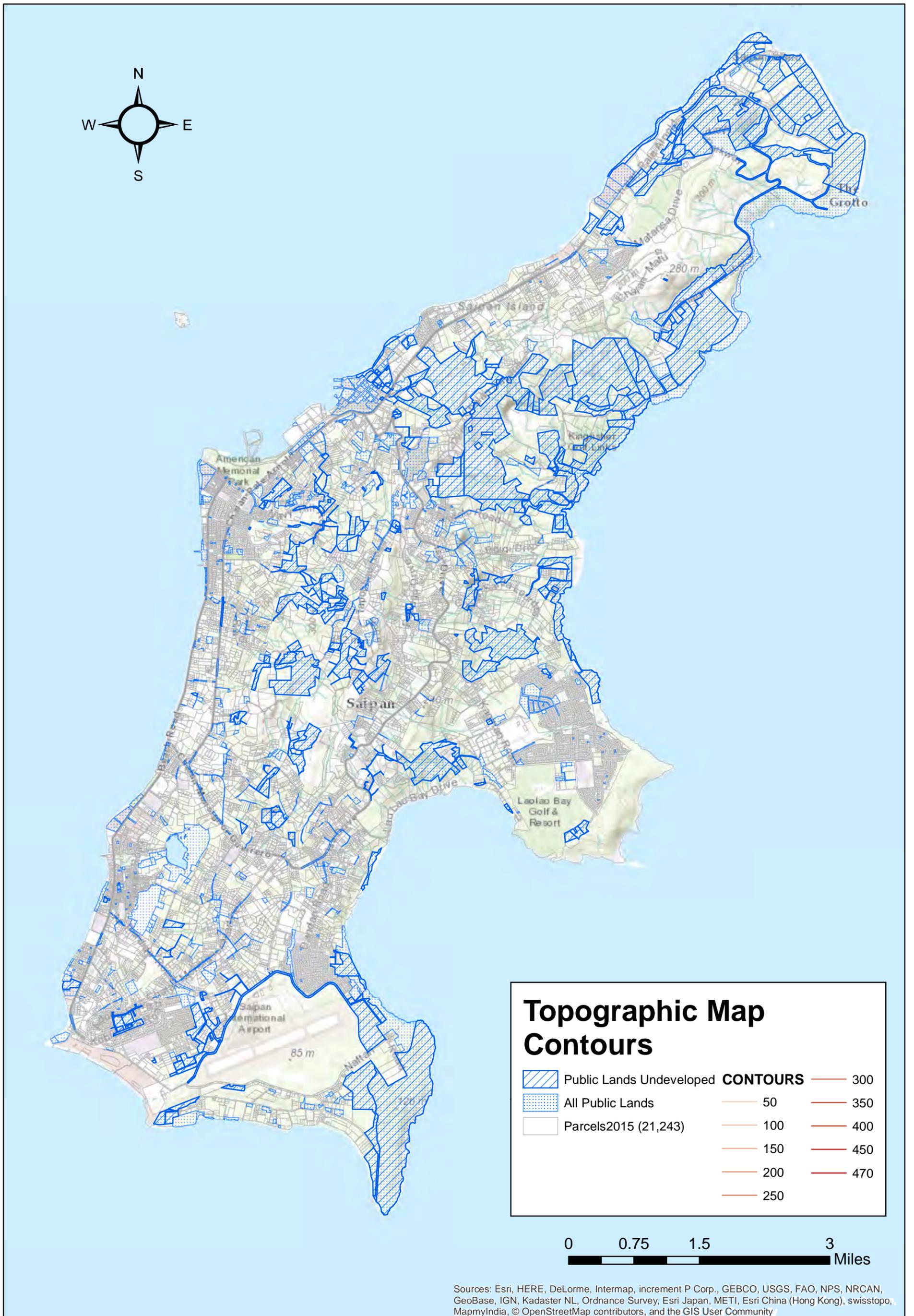


Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

# SAIPAN

FIGURE S-6.3



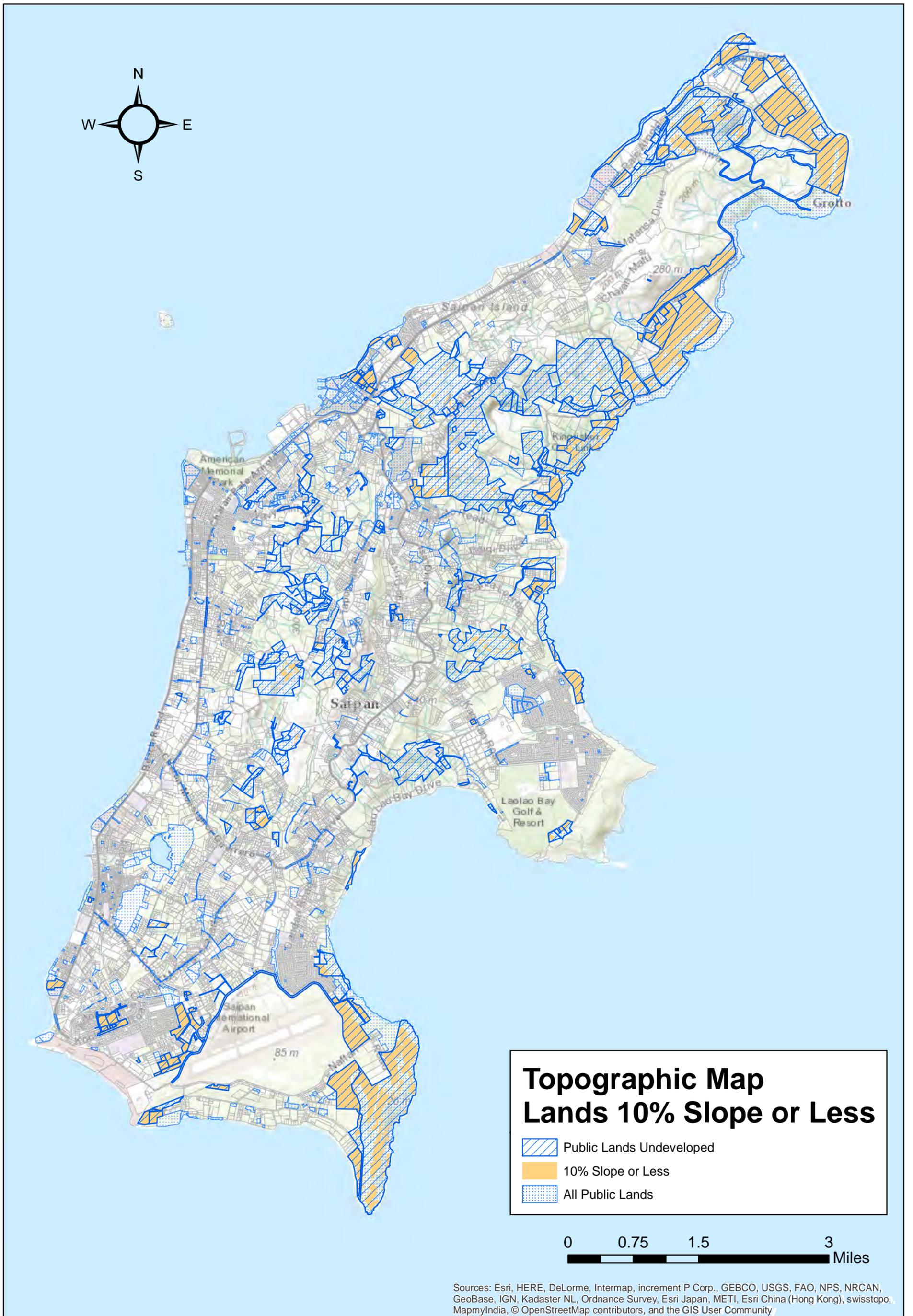


# SAIPAN

FIGURE S-7.1



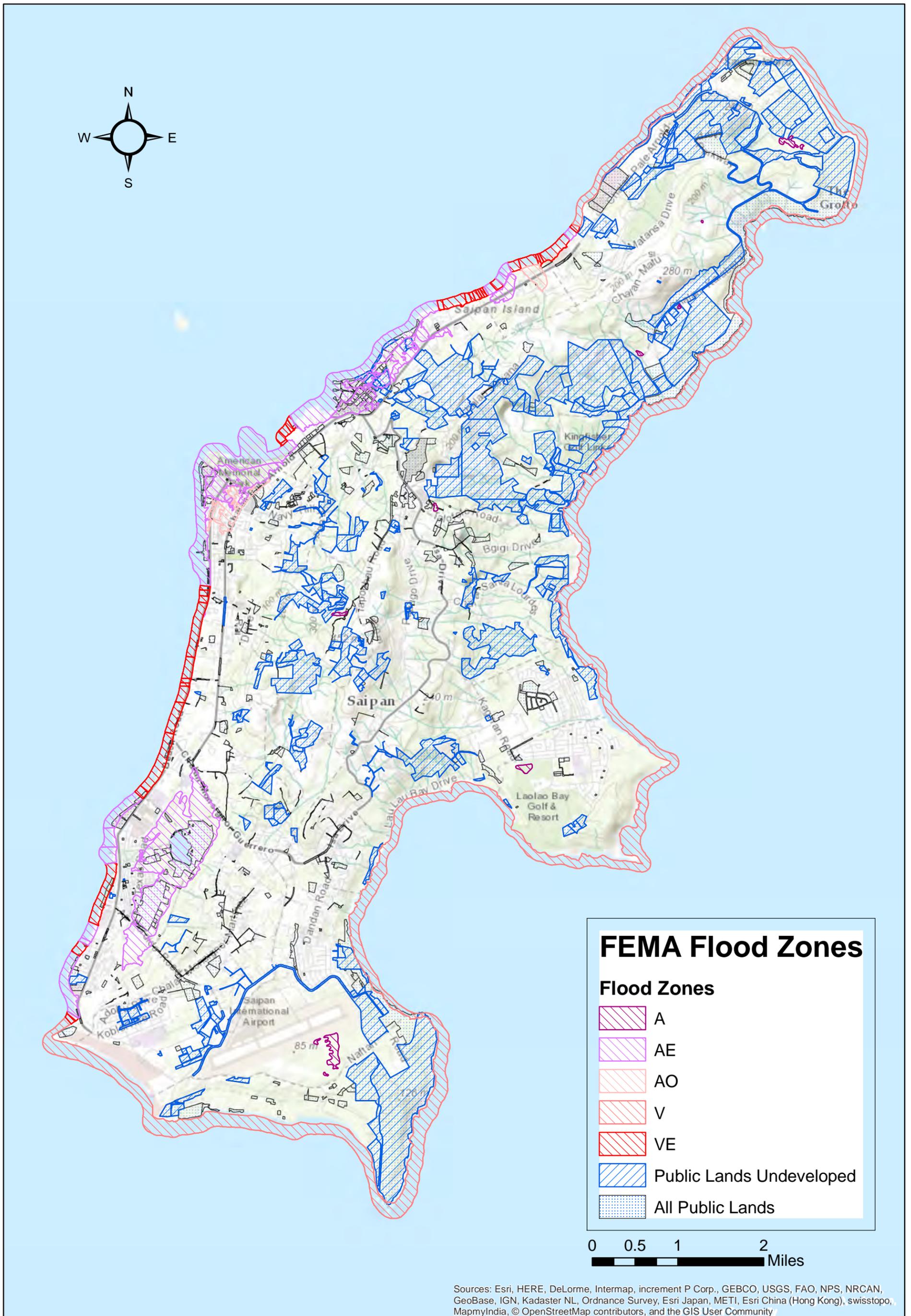
Information by USGS



# SAIPAN

FIGURE S-7.2

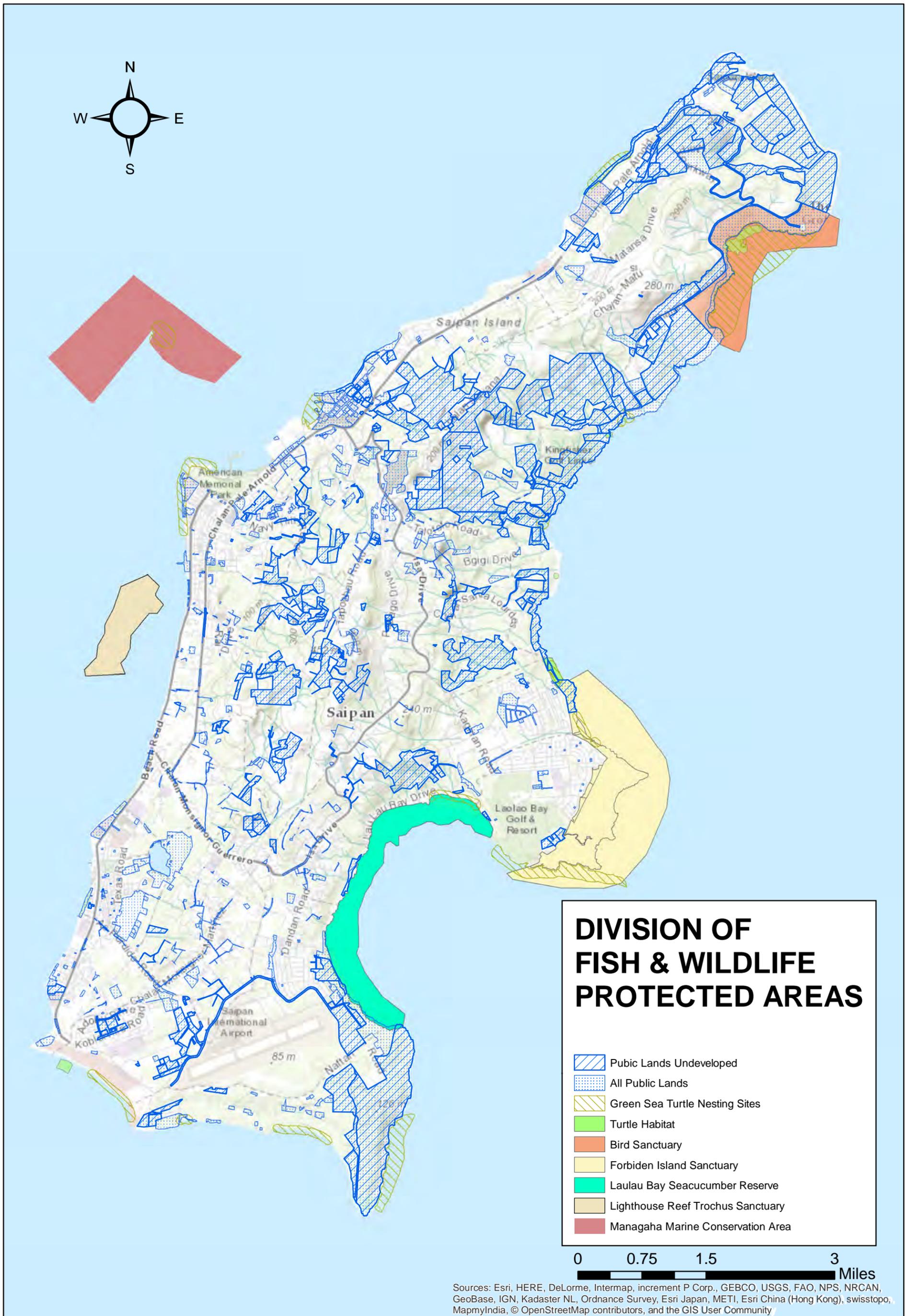




# SAIPAN

FIGURE S-8





# SAIPAN

FIGURE S-9



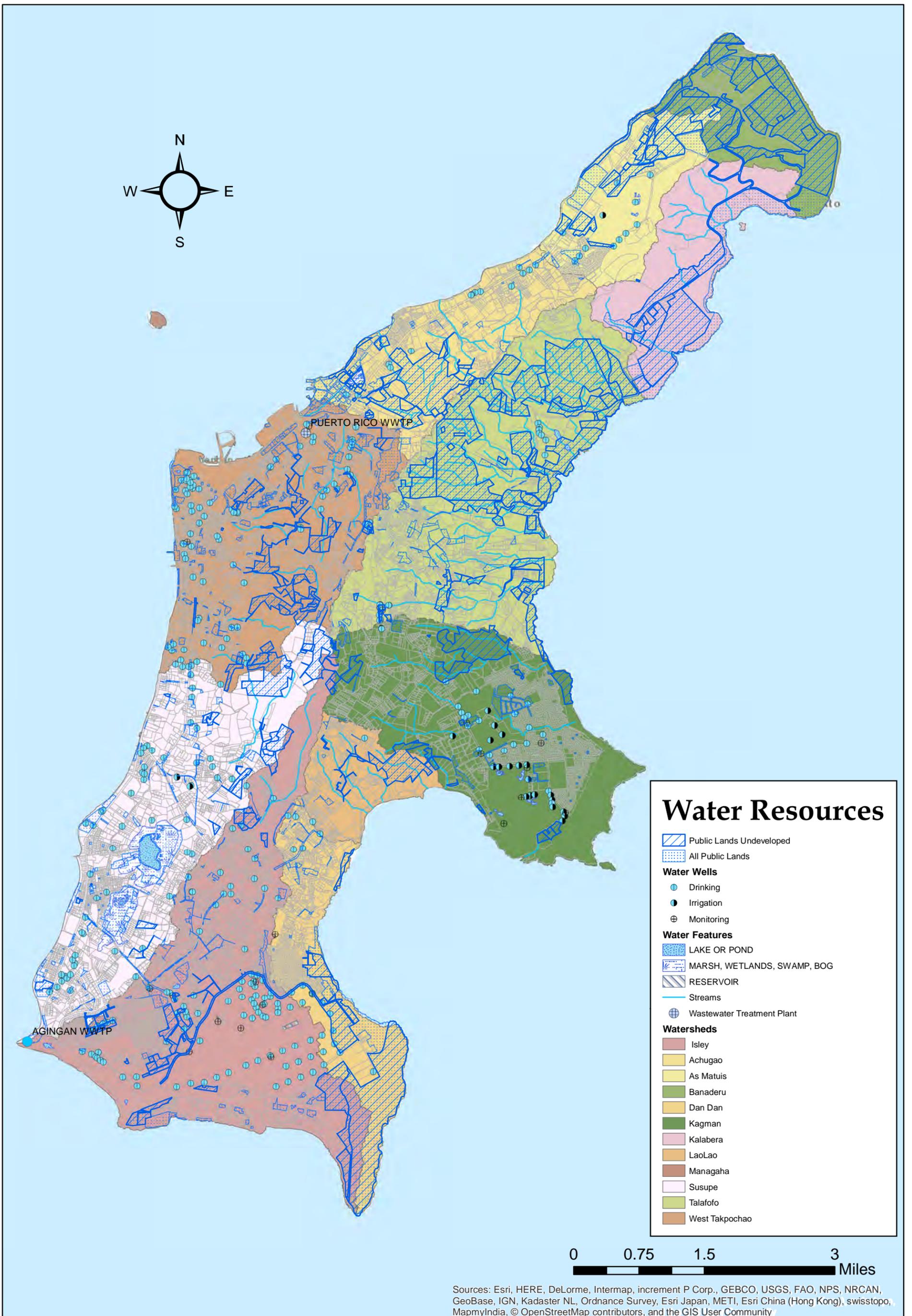
Protected area information from CNMI Division of Fish & Wildlife



# SAIPAN

FIGURE S-10

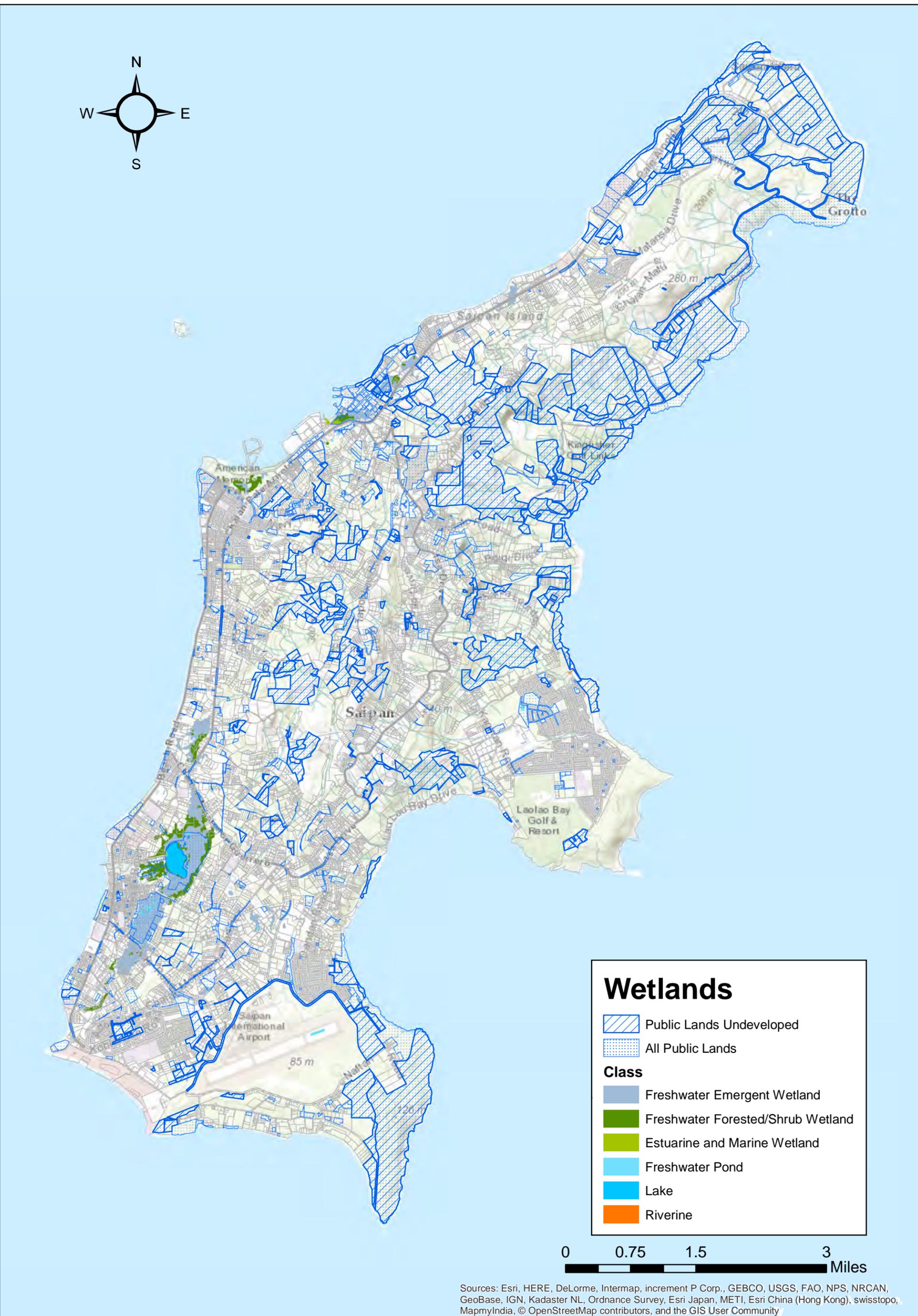




# SAIPAN

FIGURE S-11

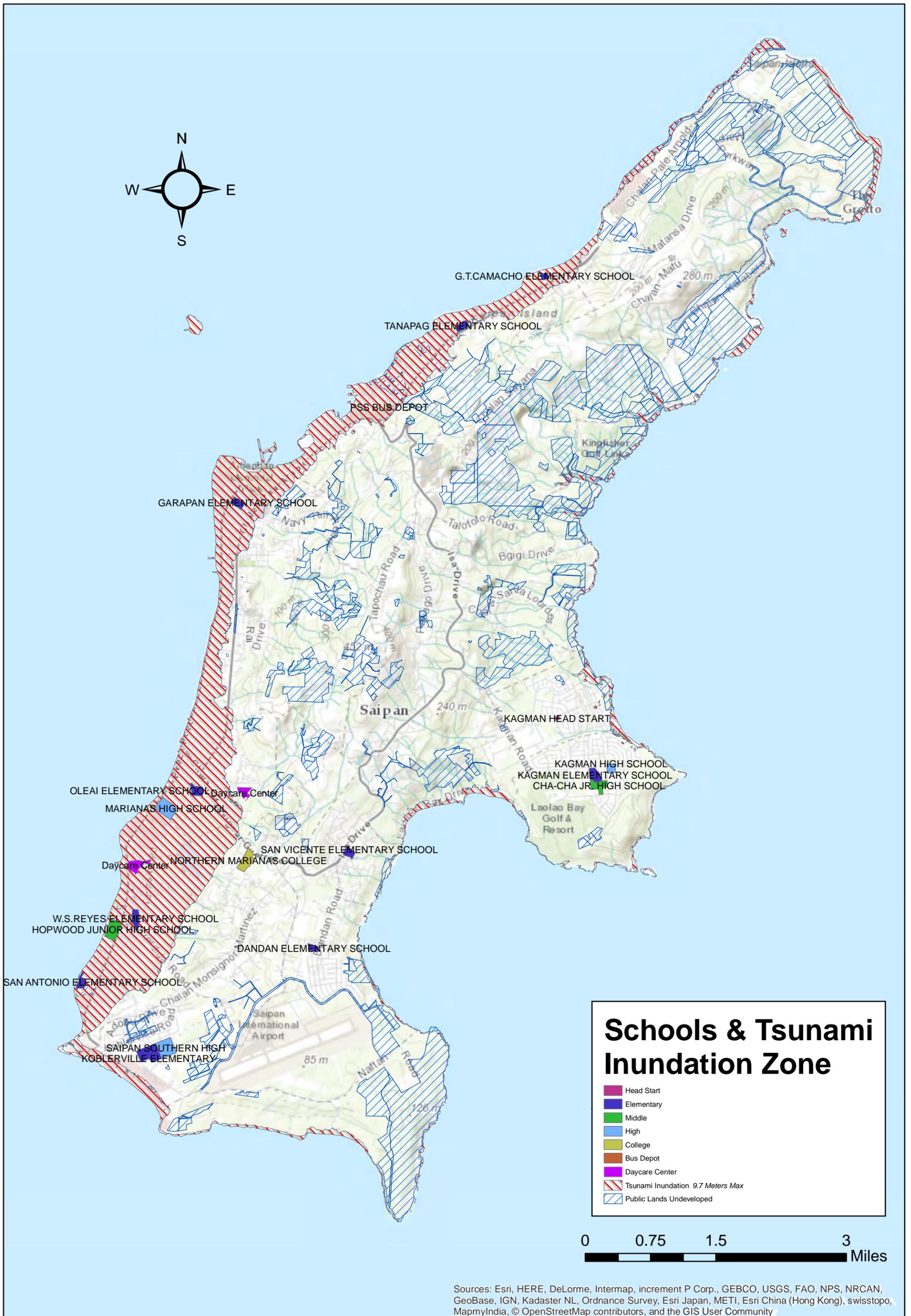




# SAIPAN

FIGURE S-12

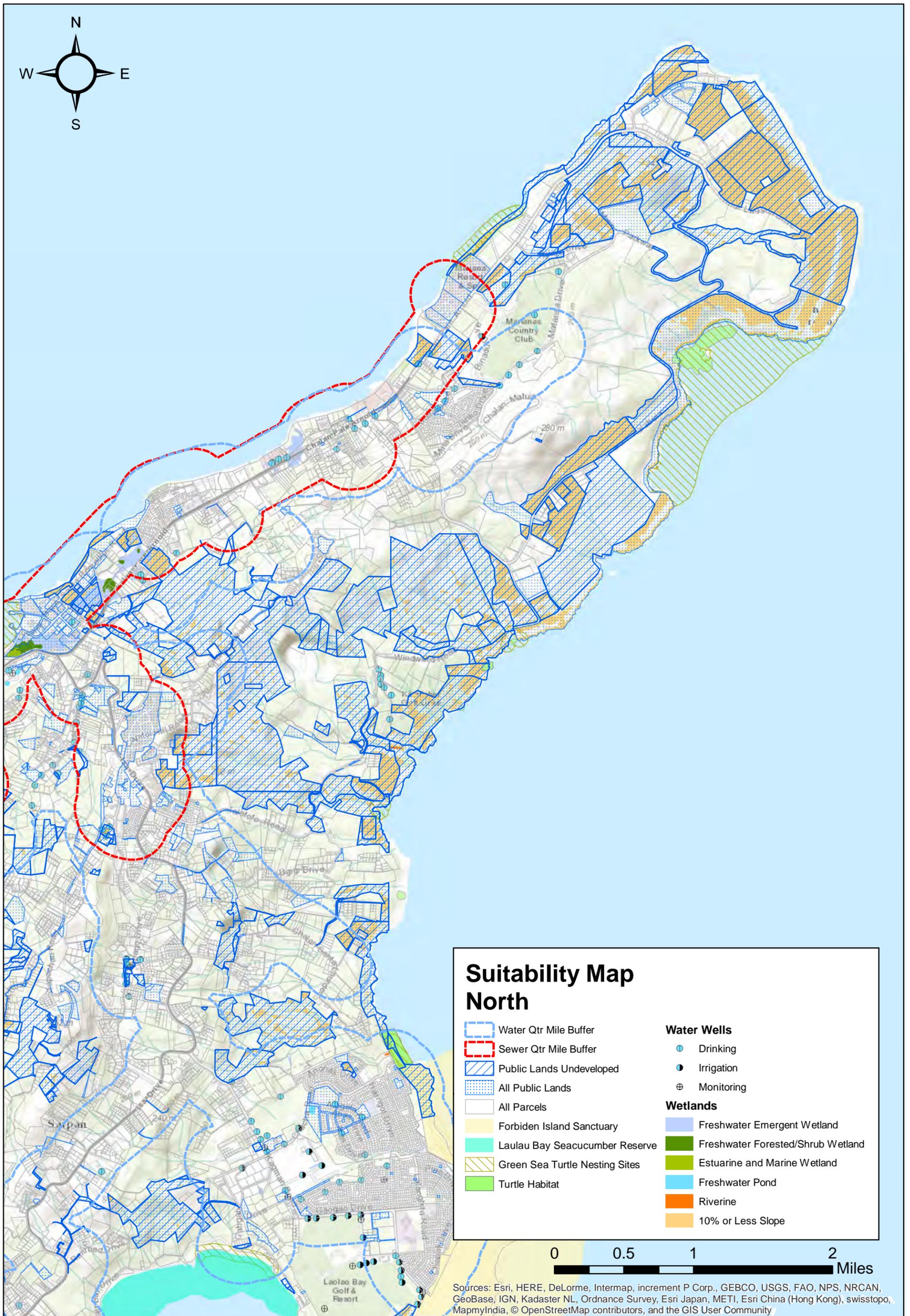




# SAIPAN

FIGURE S-13

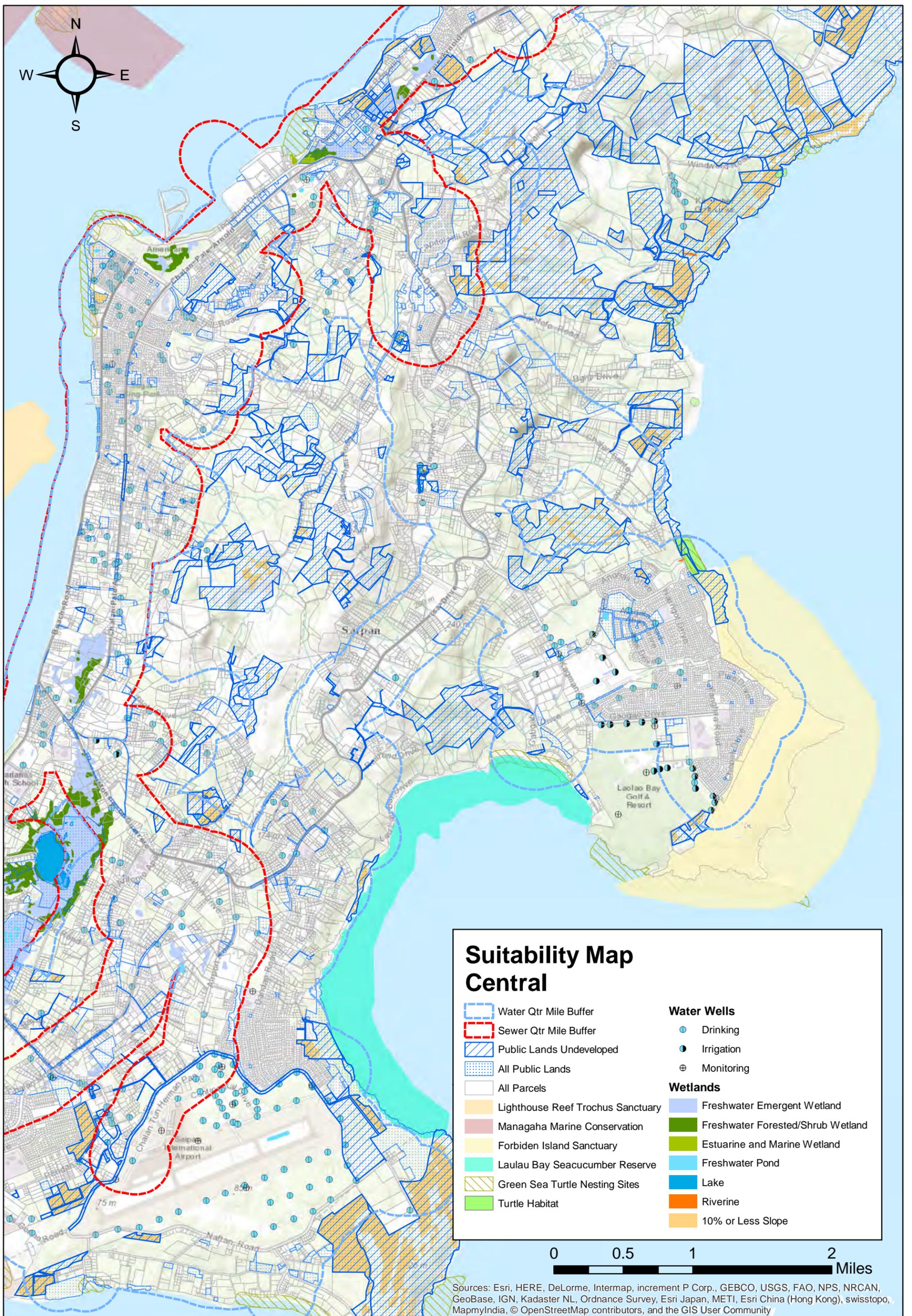




# SAIPAN

FIGURE S-14.1

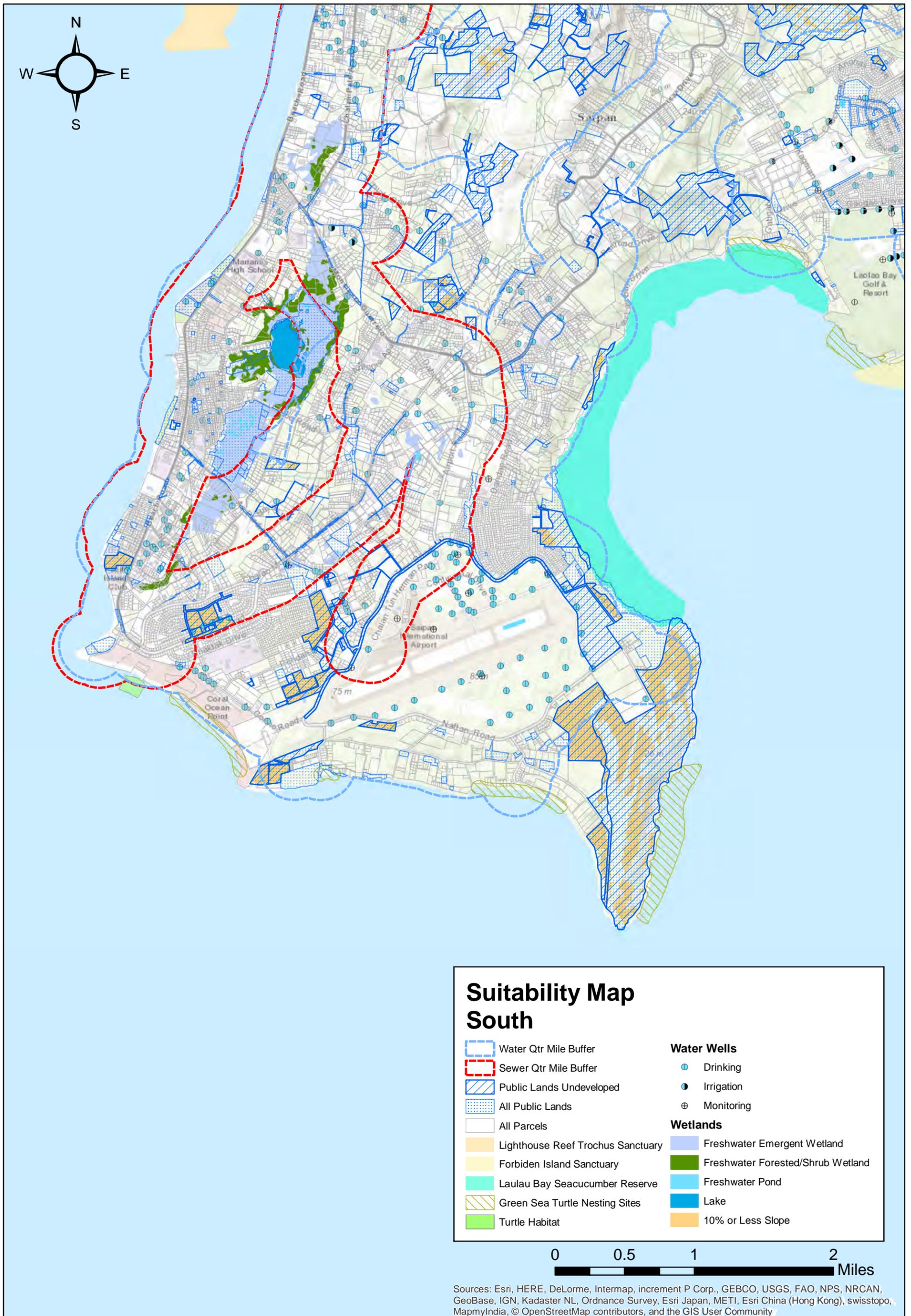




**SAIPAN**

**FIGURE S-14.2**

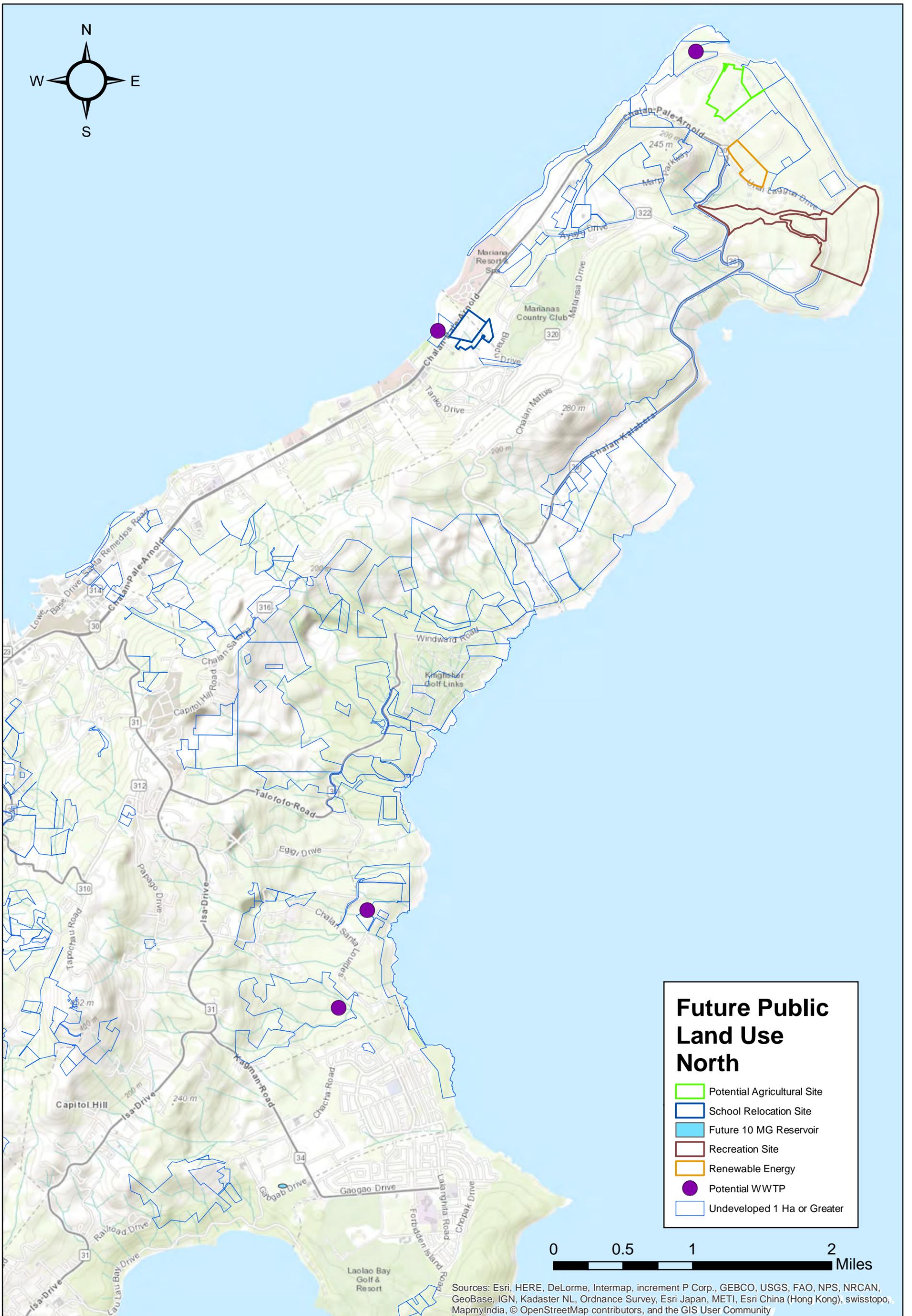




# SAIPAN

FIGURE S-14.3



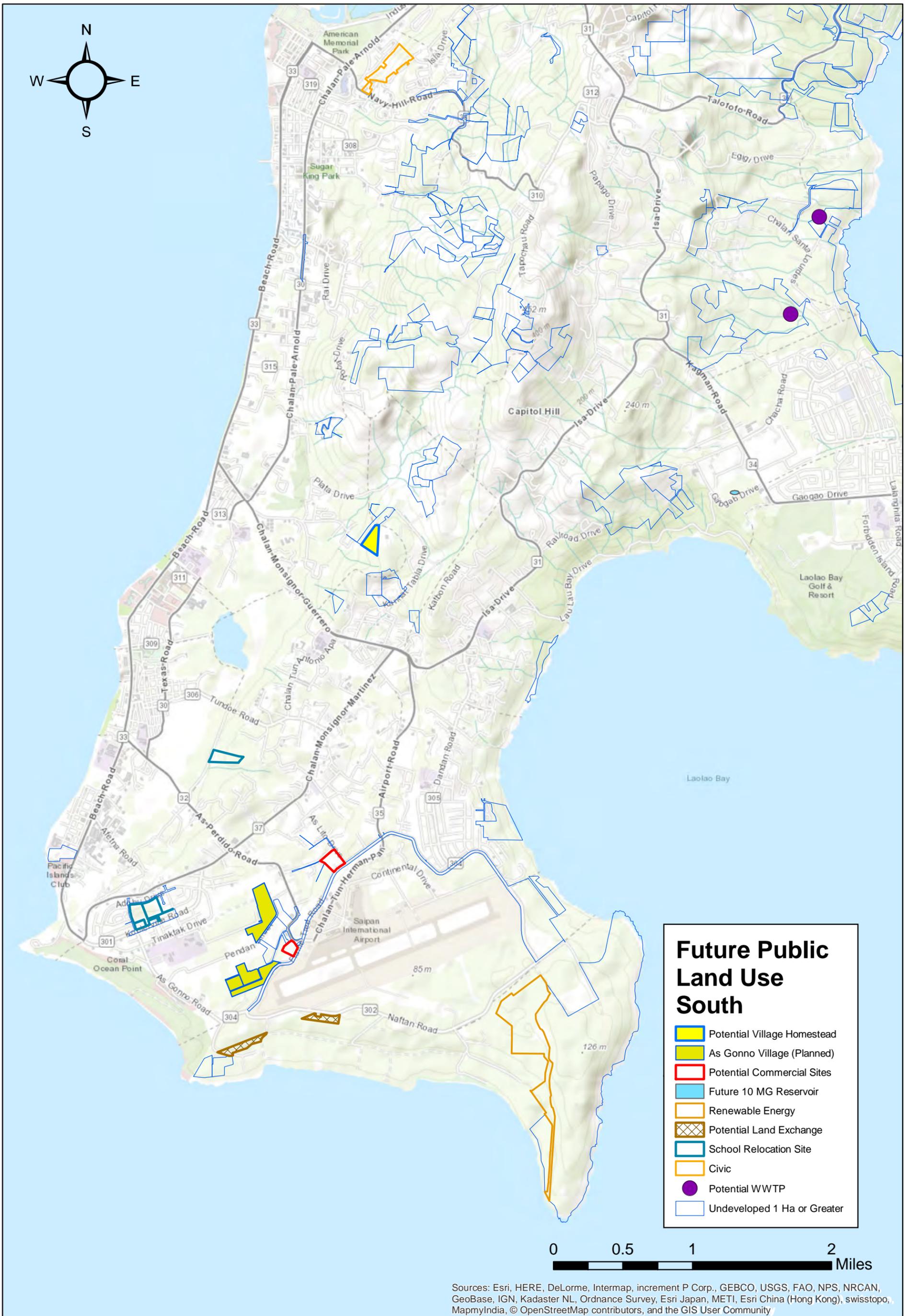


Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

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FIGURE S-15.1

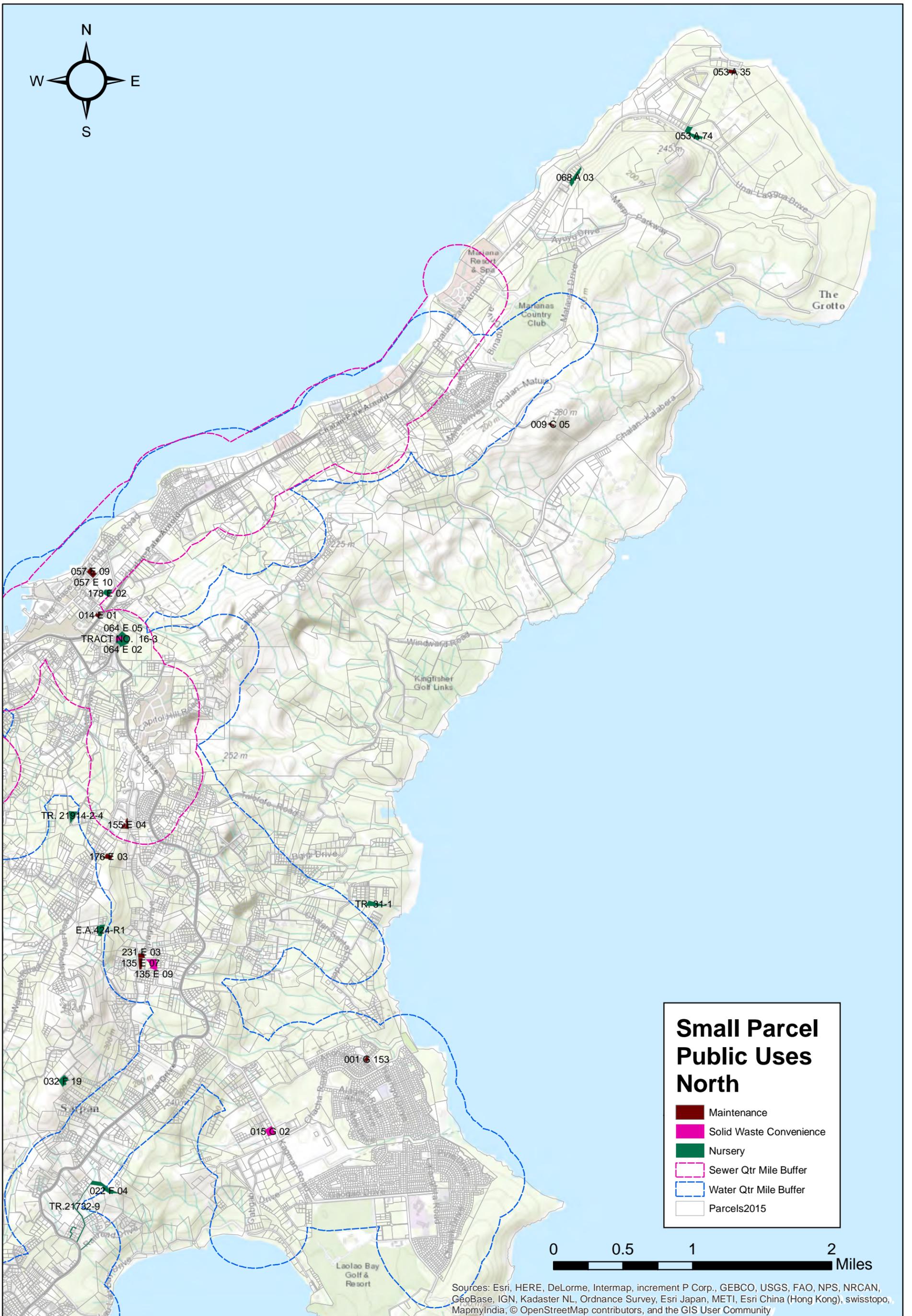




# SAIPAN

FIGURE S-15.2



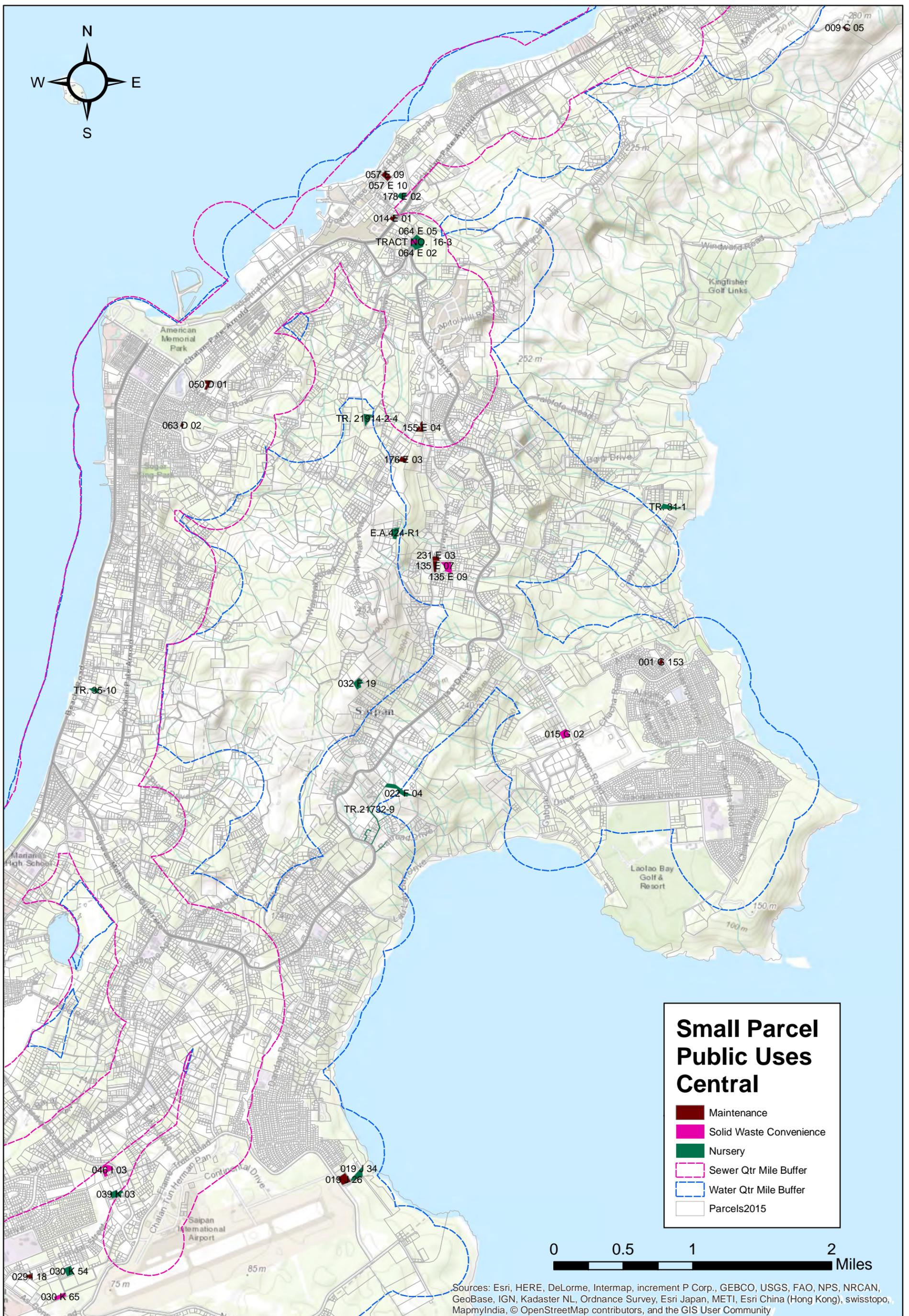


# SAIPAN

FIGURE S-16.1



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

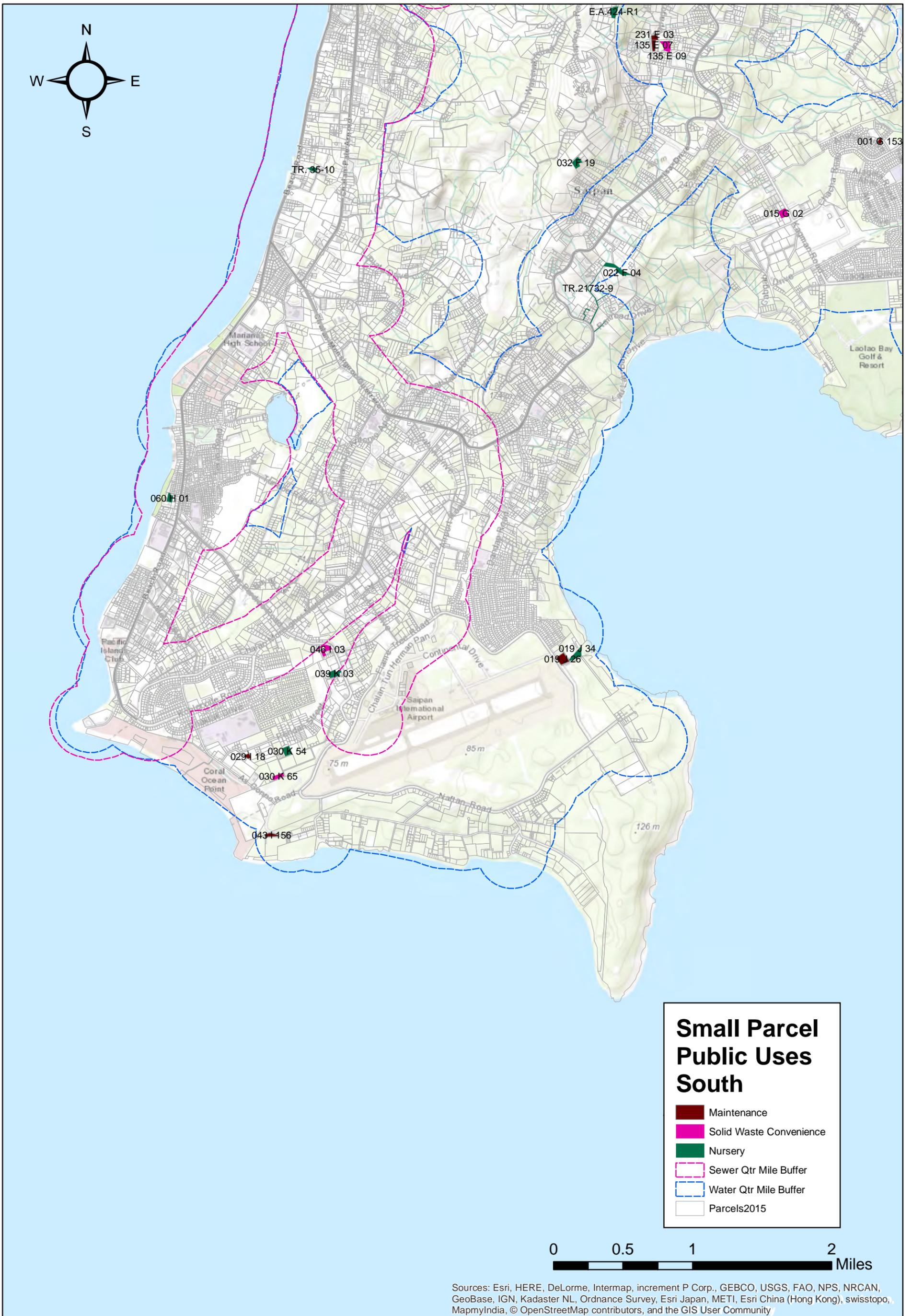


# SAIPAN

FIGURE S-16.2



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

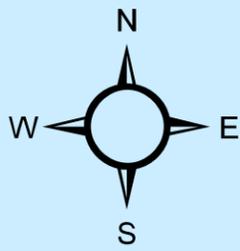


Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBSCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

# SAIPAN

FIGURE S-16.3





	National Register of Historic Places
	Parcels 2015

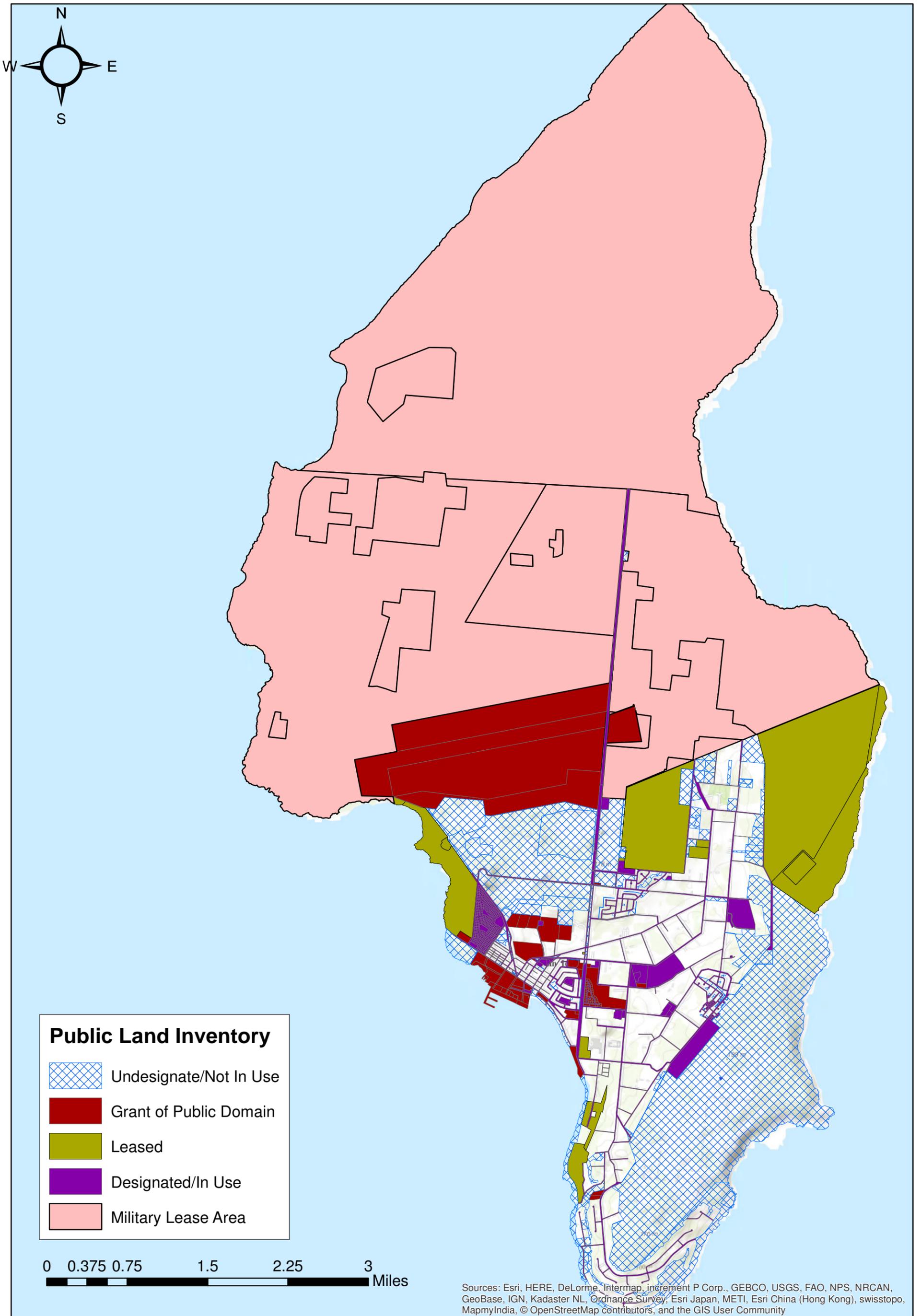


Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

# SAIPAN - MANAGAHA **FIGURE S-17**



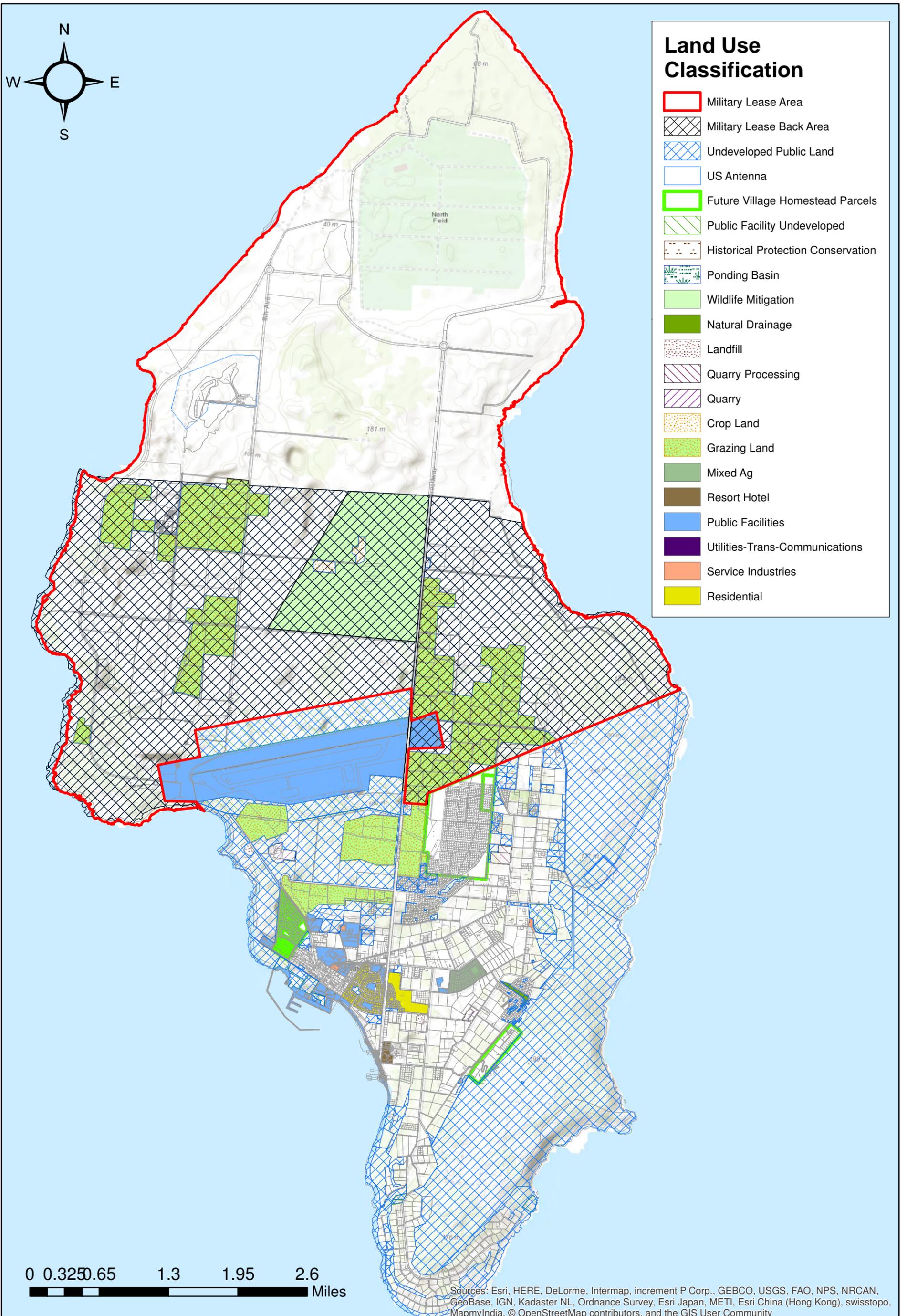
TINIAN MAPS



# TINIAN

FIGURE T-1

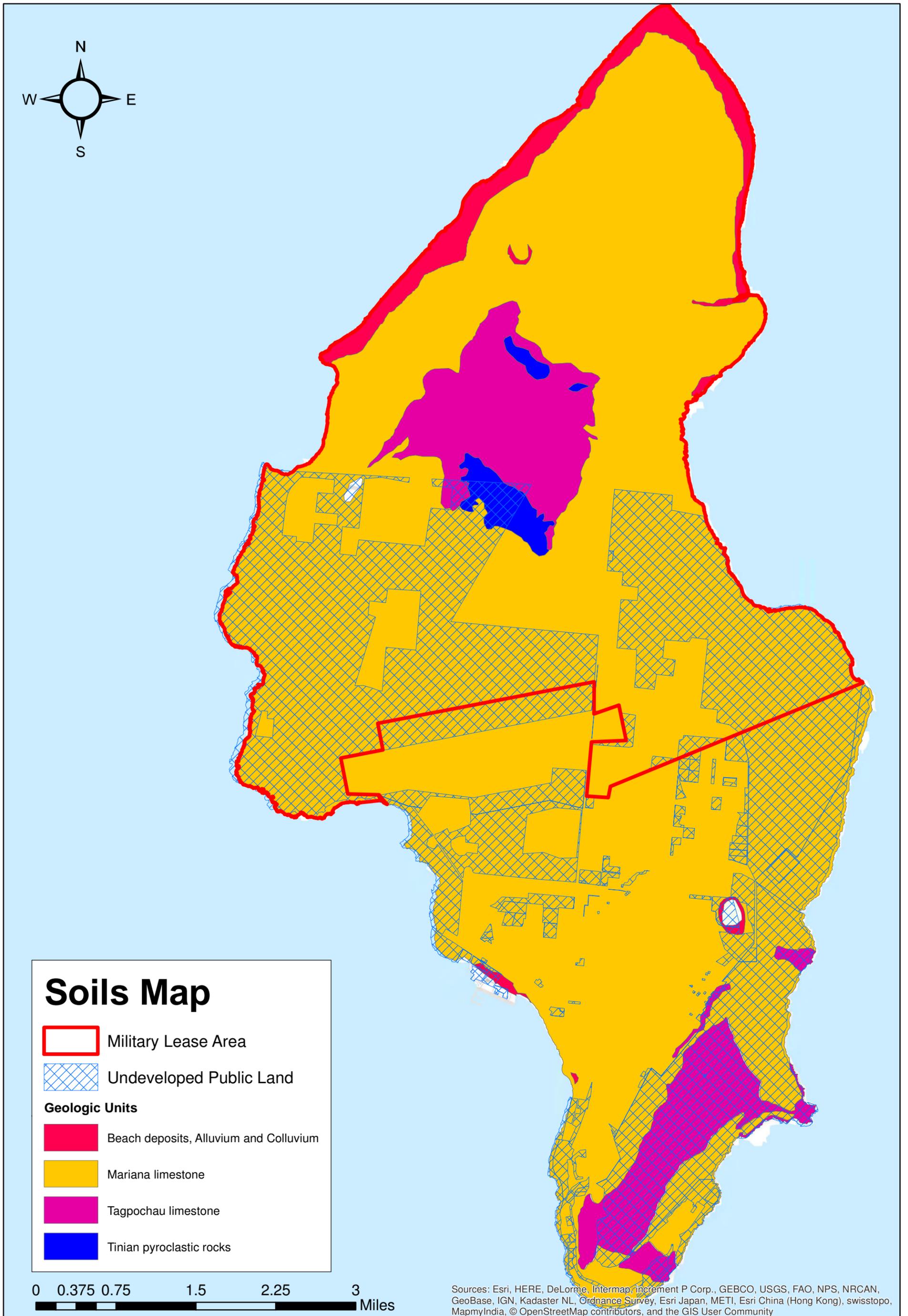




# TINIAN

FIGURE T-2

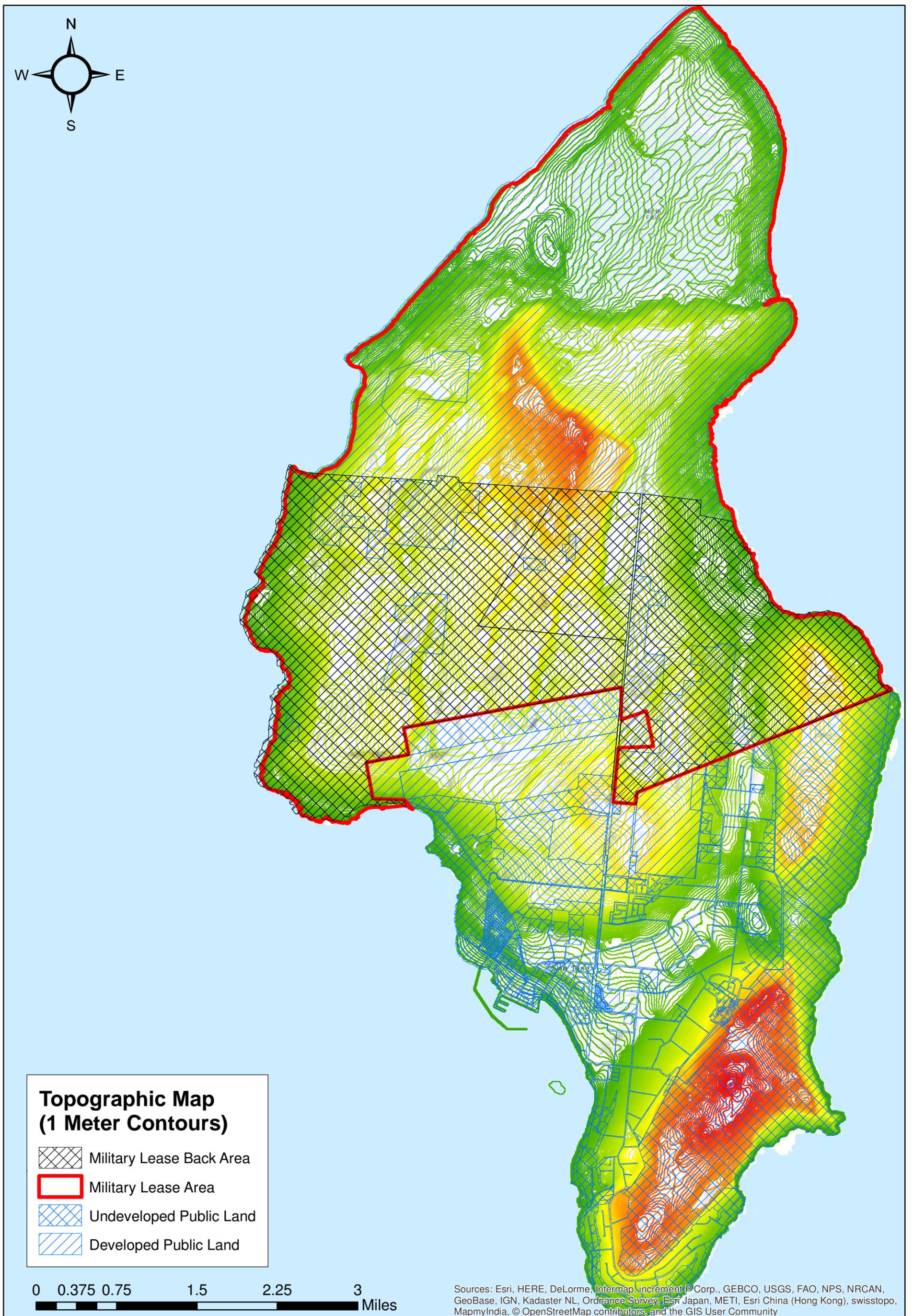




# TINIAN

FIGURE T-3

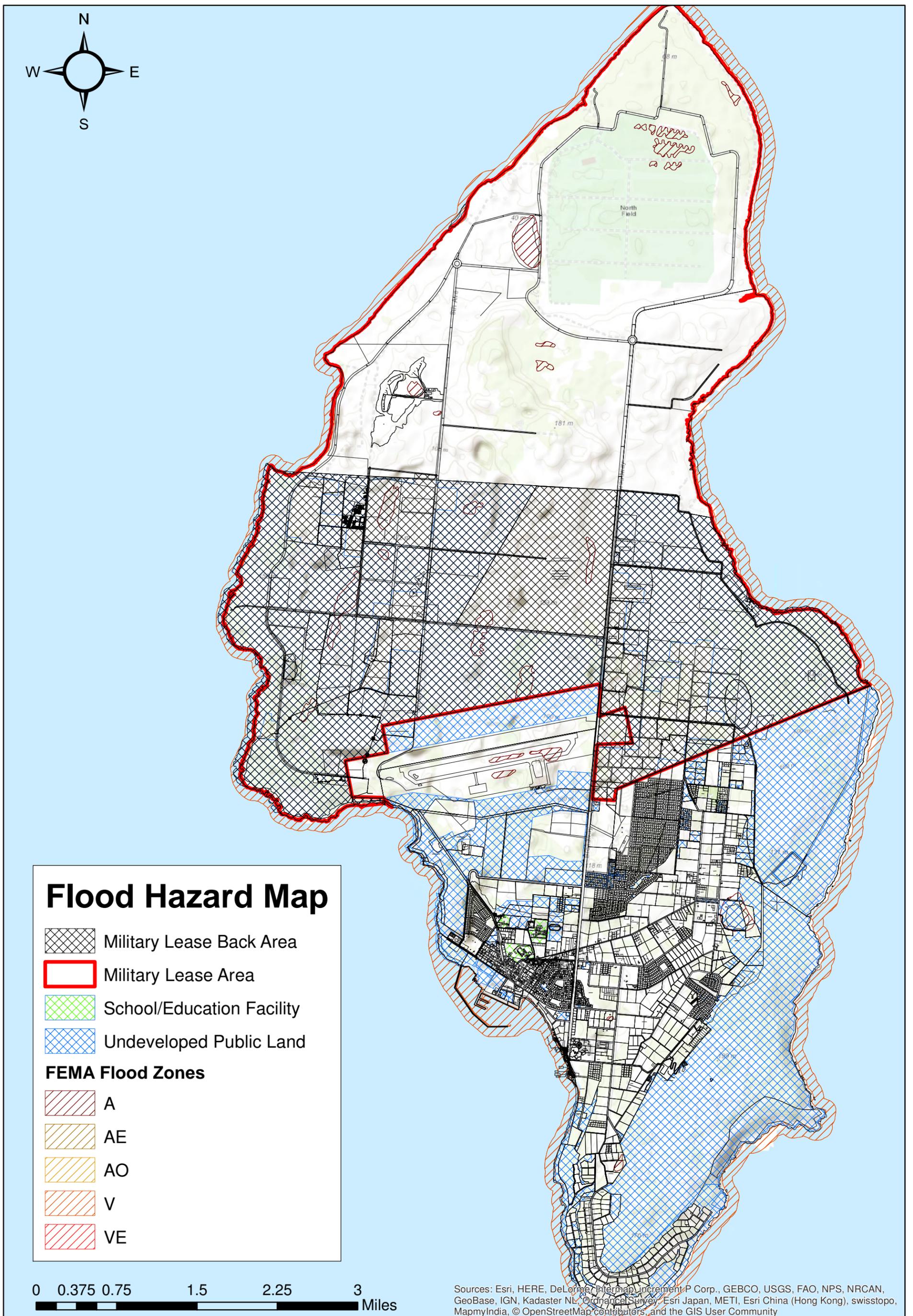




# TINIAN

FIGURE T-4

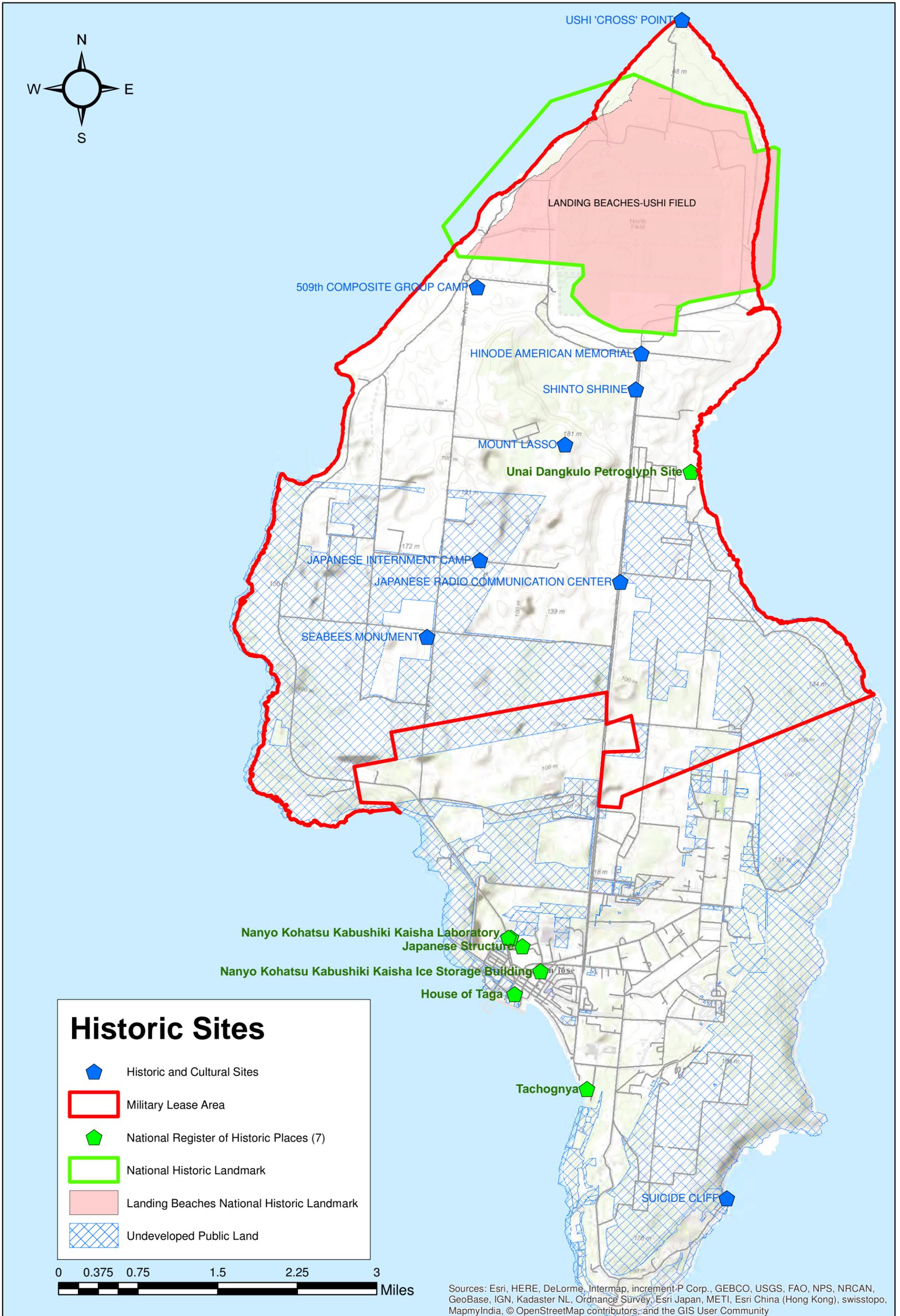




# TINIAN

## FIGURE T-5

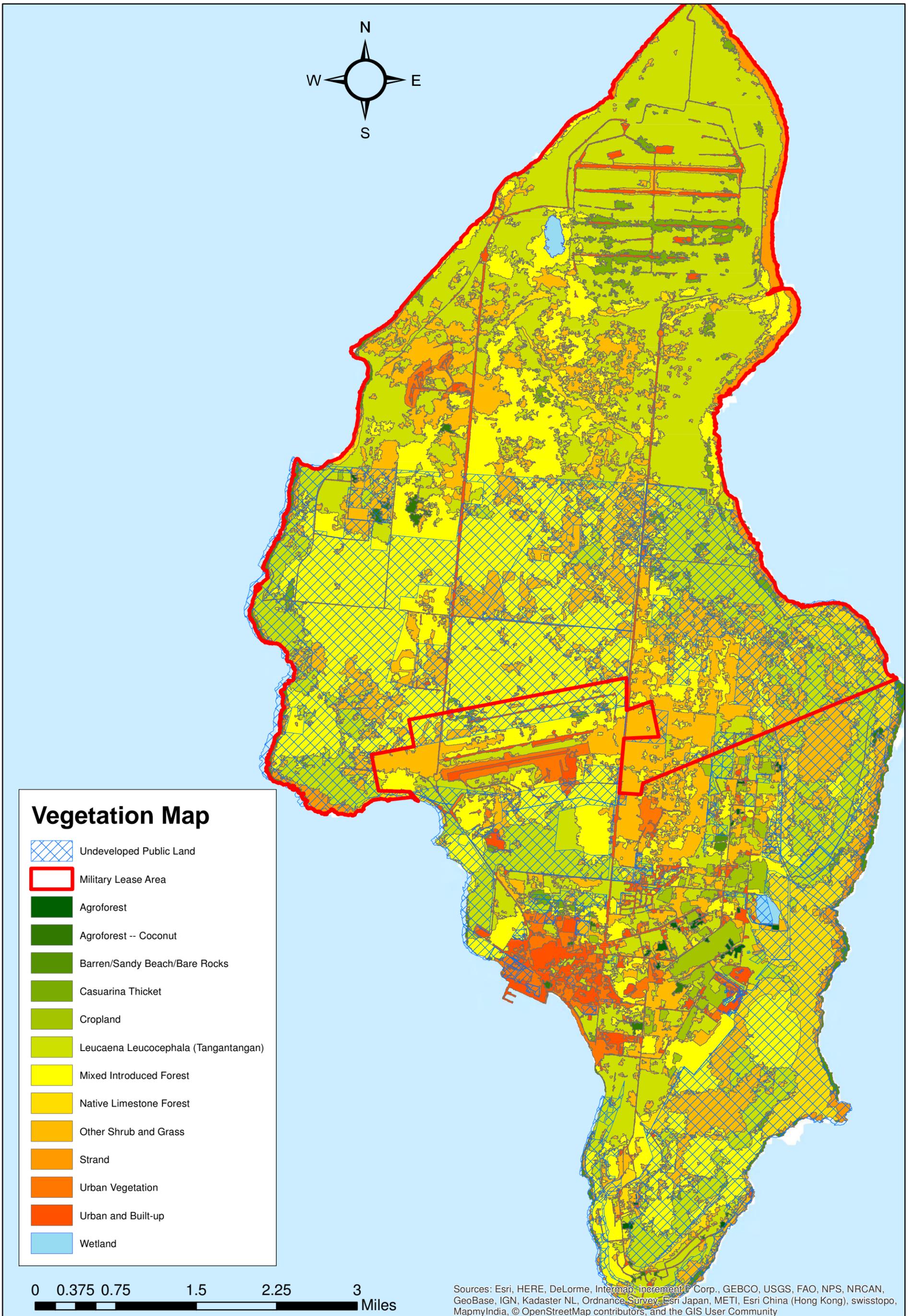




# TINIAN

FIGURE T-6

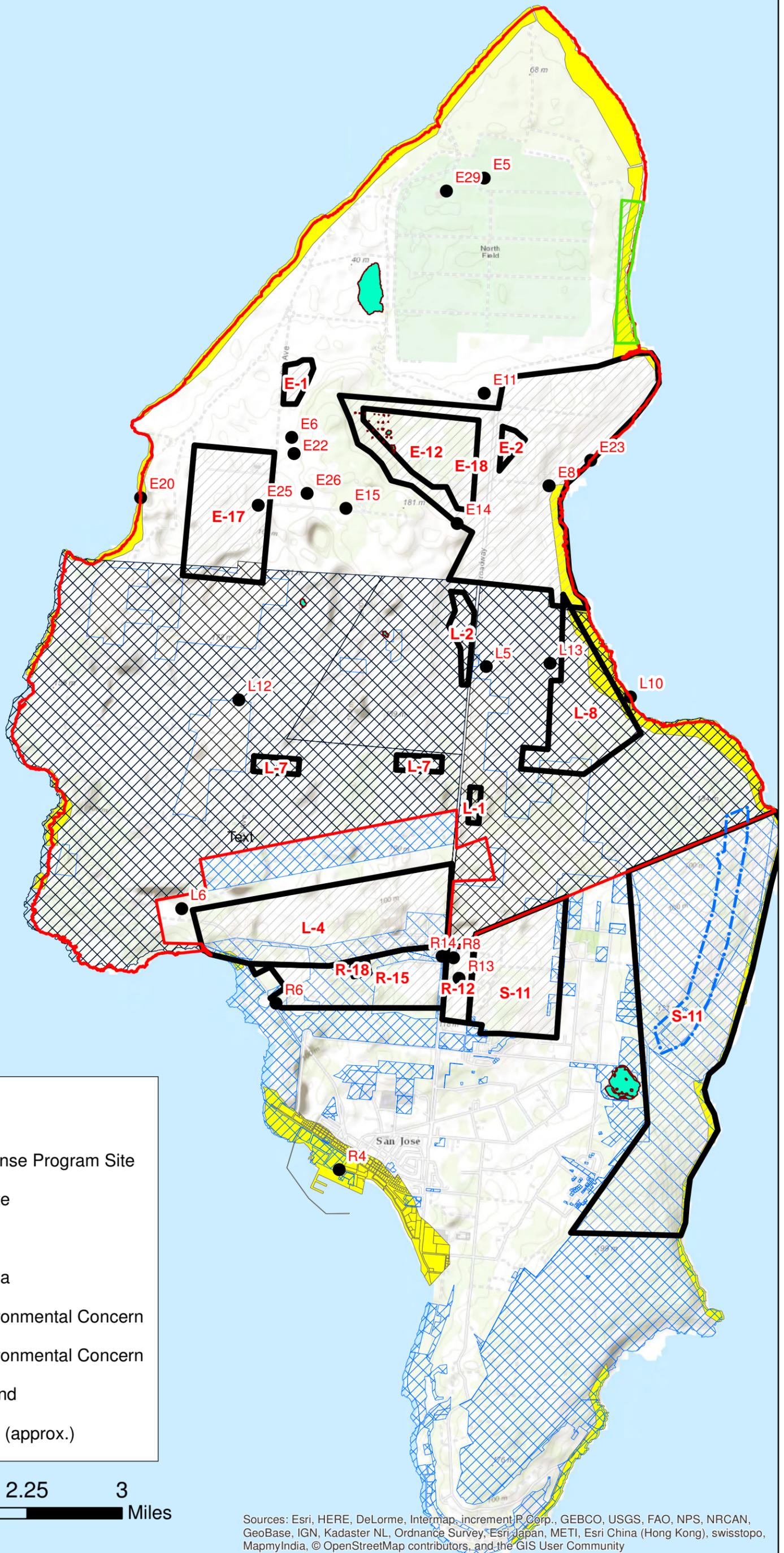
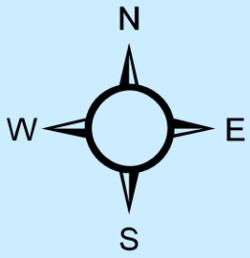




# TINIAN

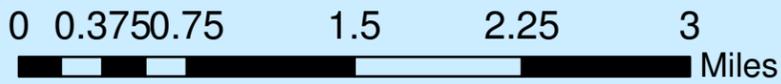
## FIGURE T-7





### Hazards Map

-  Military Muniton Response Program Site
-  Masalog Ridge Area Site
-  Military Lease Area
-  Military Lease Back Area
-  Areas of Potential Environmental Concern
-  Areas of Potential Environmental Concern
-  Undeveloped Public Land
-  Tsunami Affected Areas (approx.)



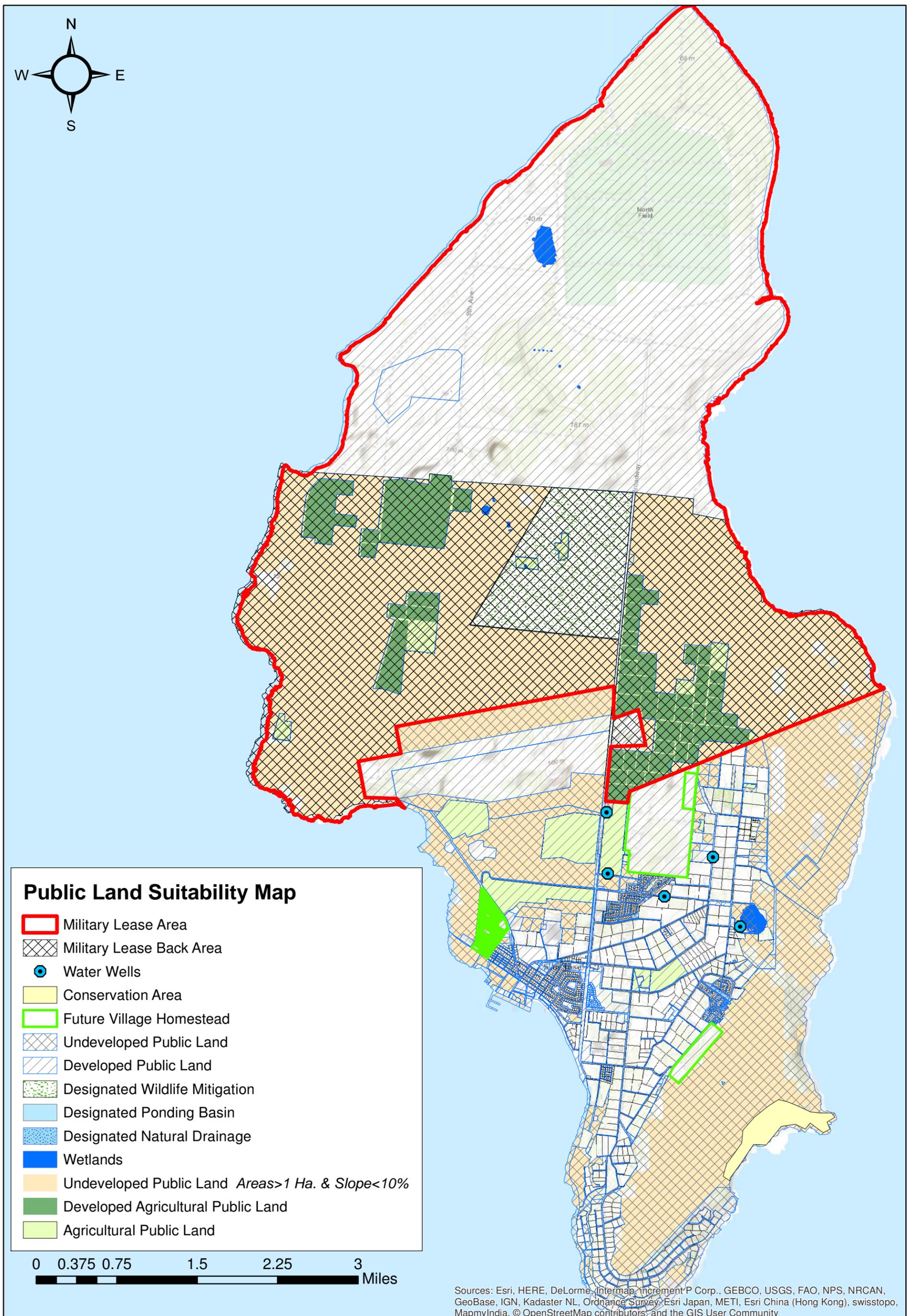
Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri, Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

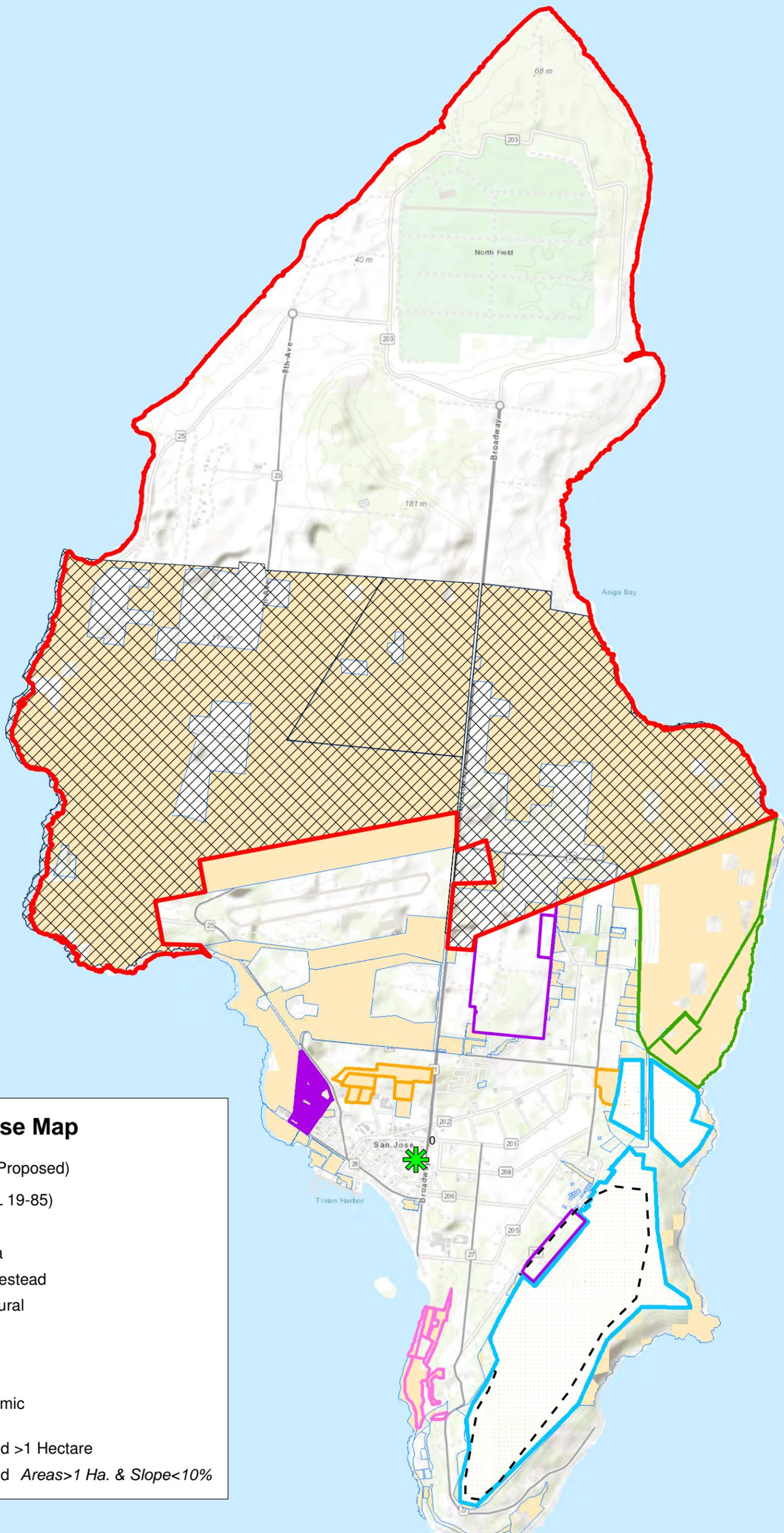
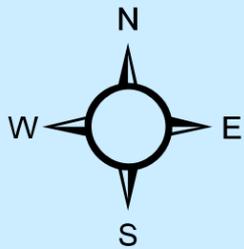
# TINIAN

## FIGURE T-8



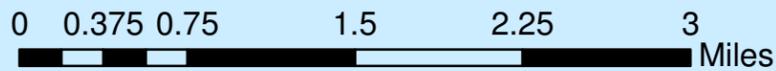
Data based on Figure 3.16-1 Tinian Areas of Potential Environmental Concern and Military Munitions Response Program Sites, CJMT EIS/OEIS April 2015  
 Tsunami information interpolated from fig. 4.5 - NOAA OAR Special Report- Tsunami Hazard Assessment Special Series Vlo.3 2013





**Future Public Land Use Map**

-  Municipal Civic Center (Proposed)
-  Proposed Route 205 (PL 19-85)
-  Military Lease Area
-  Military Lease Back Area
-  Designated Village Homestead
-  Future Village & Agricultural Homesteads (627 Ha.)
-  Future Agricultural Land
-  Land Exchange
-  Reserve Land for Economic Development
-  Undeveloped Public Land >1 Hectare
-  Undeveloped Public Land Areas >1 Ha. & Slope <10%

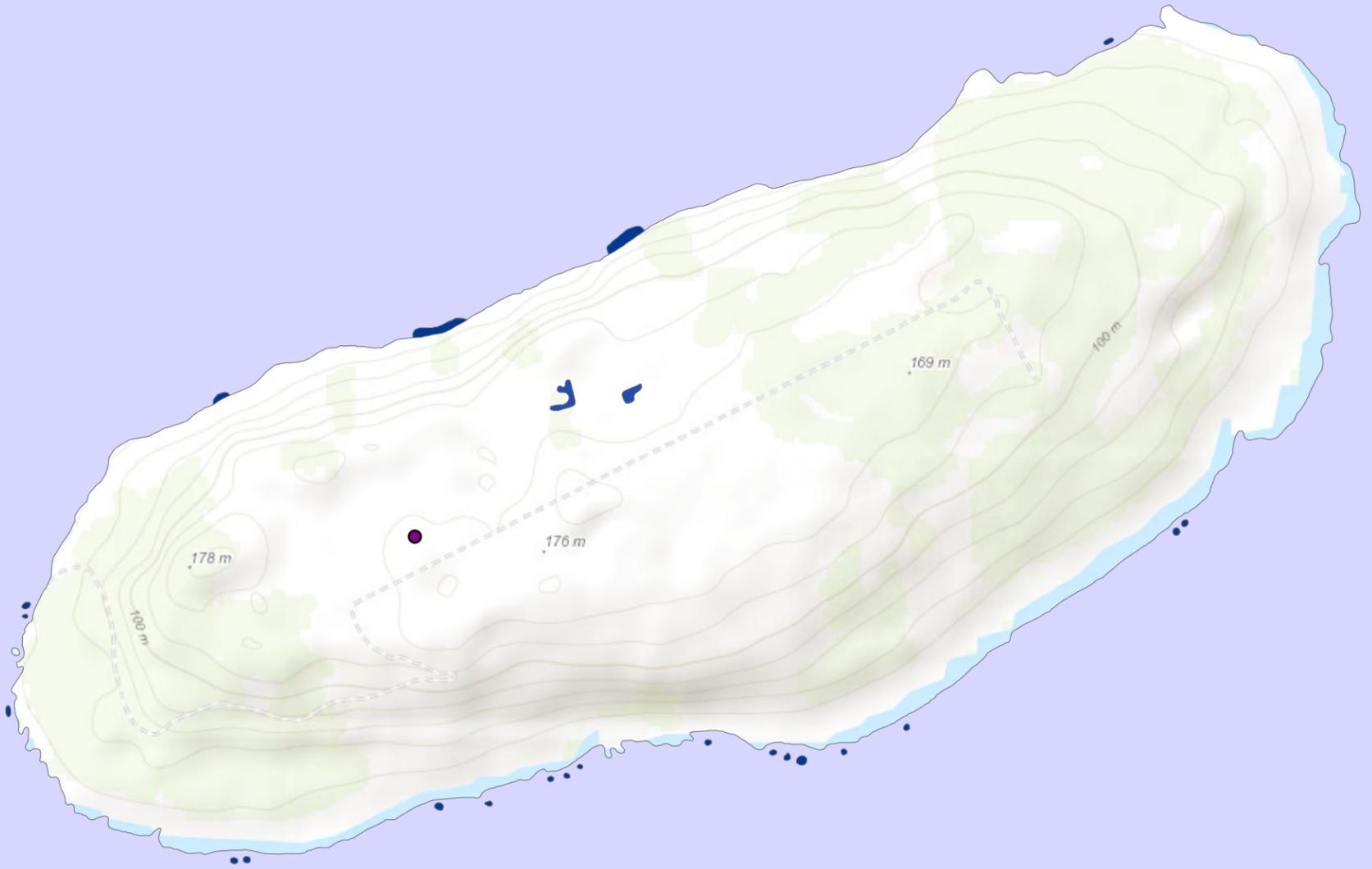
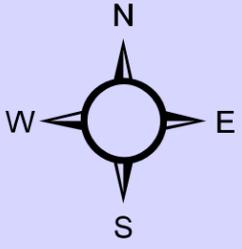


Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

# TINIAN

FIGURE T-10





### Wetland Areas

- Sheet1\$ Events
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond



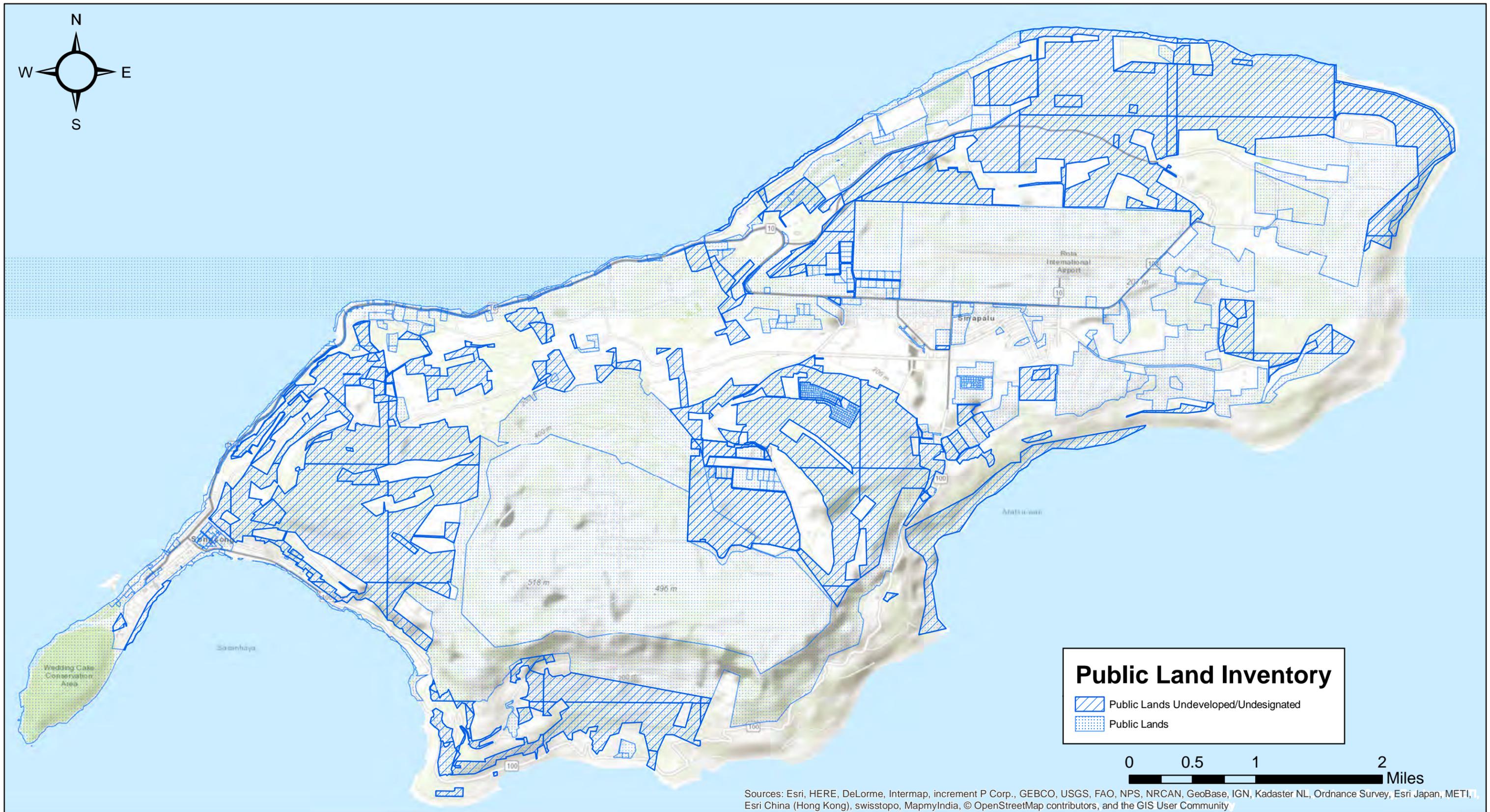
Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

# AGUIGUAN

## FIGURE T-11



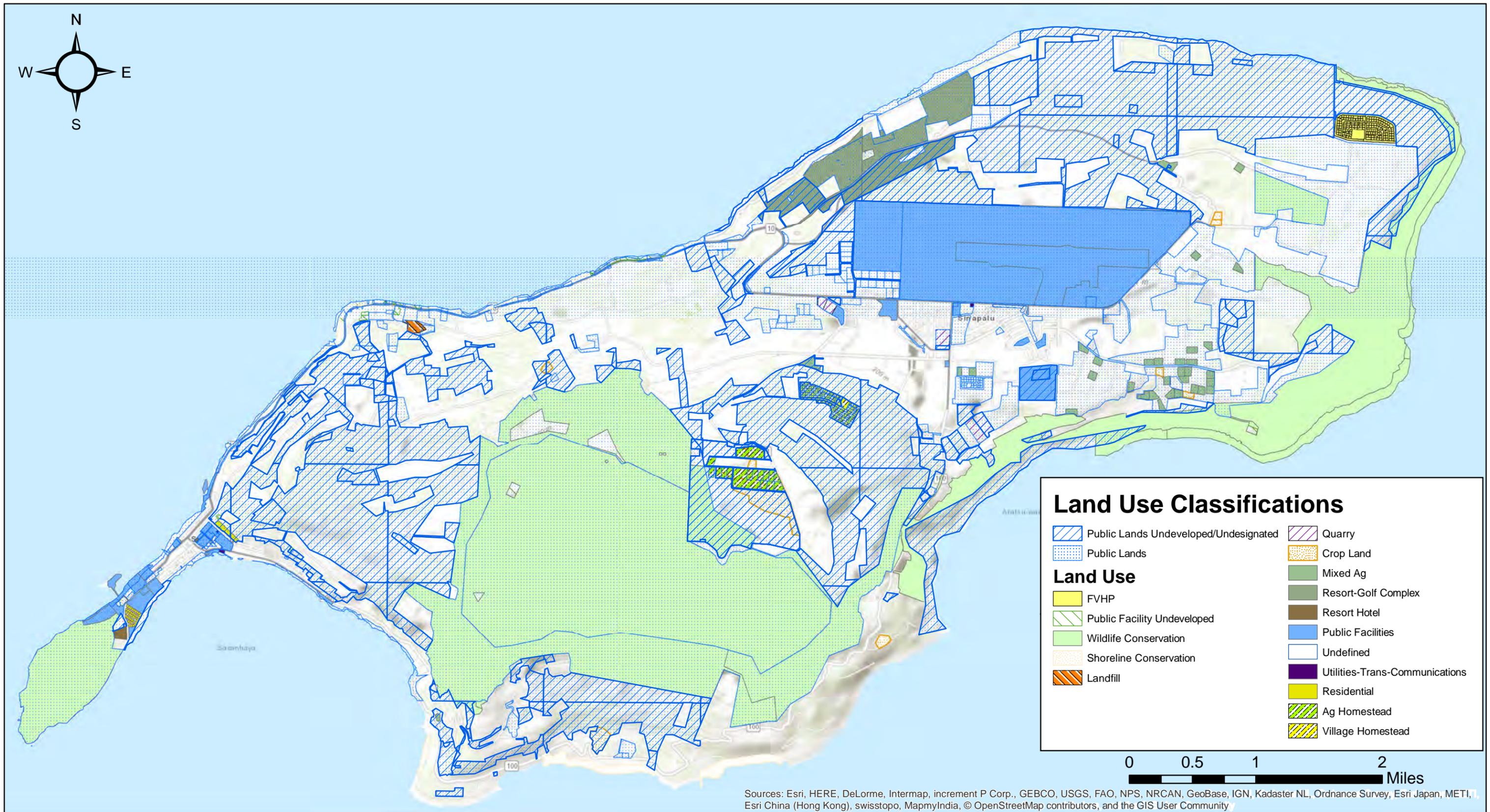
ROTA MAPS



# ROTA

FIGURE R-1

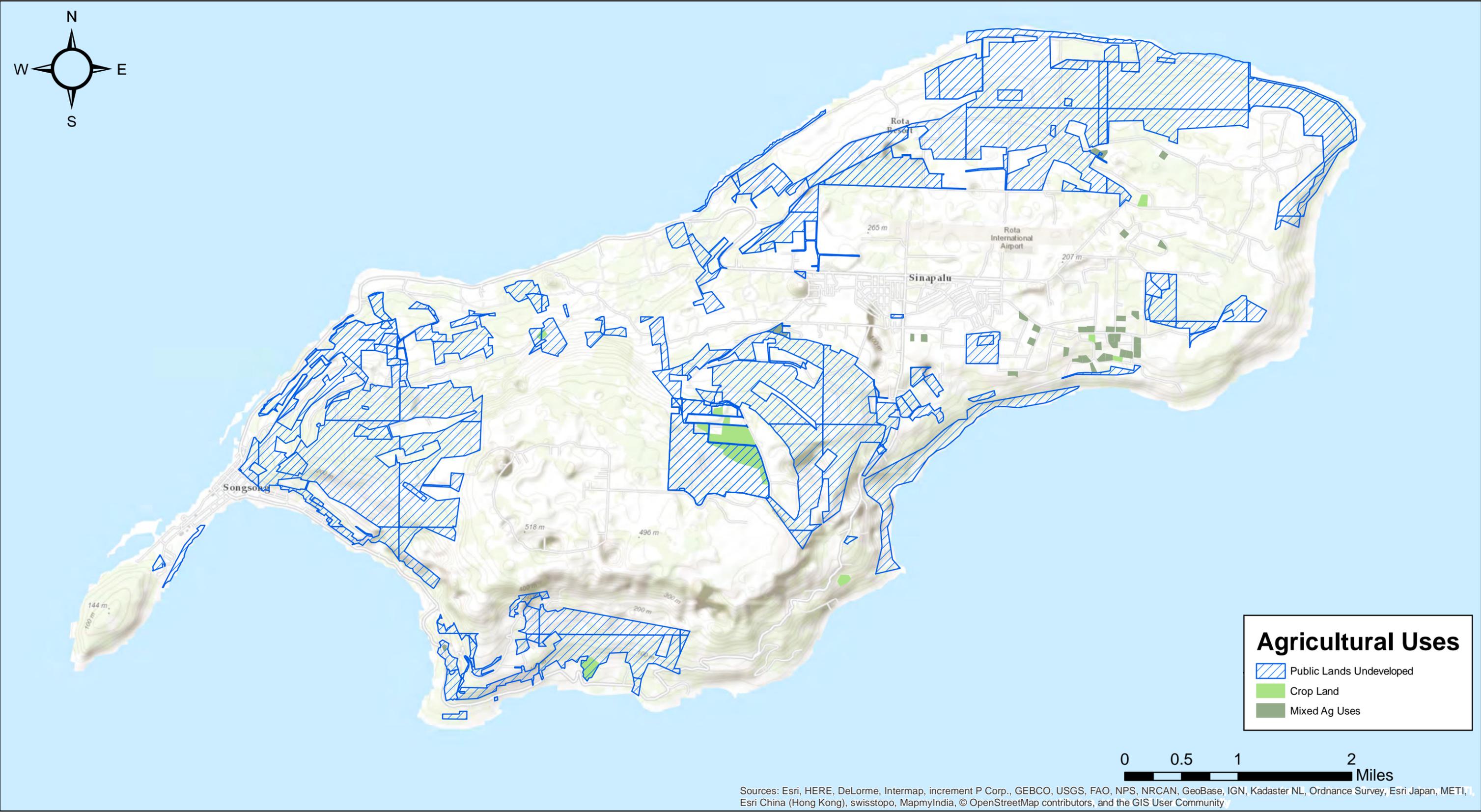




# ROTA

FIGURE R-2



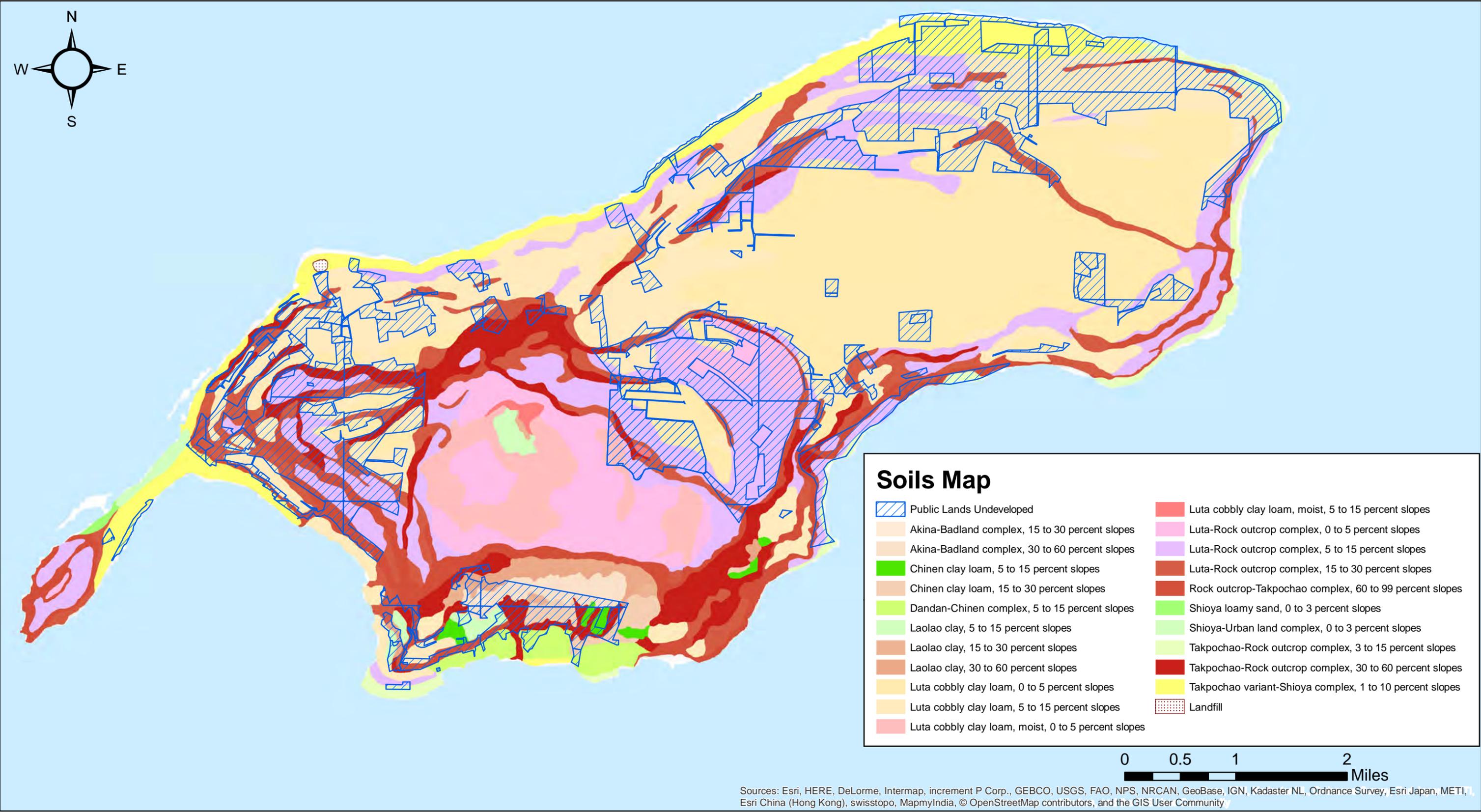


# ROTA

Information by CNMI Department of Public Lands

FIGURE R-3

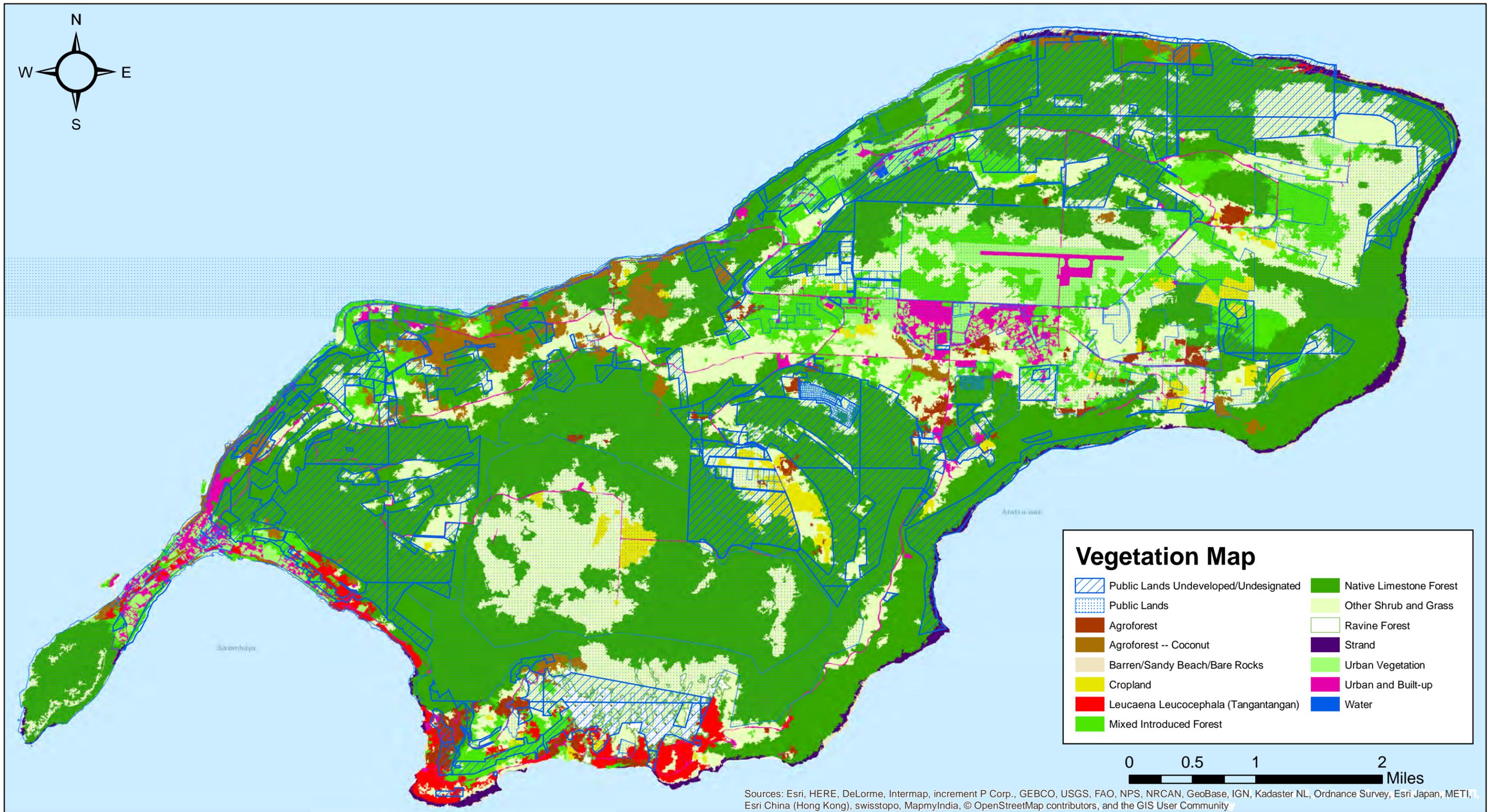




**ROTA**

**FIGURE R-4**

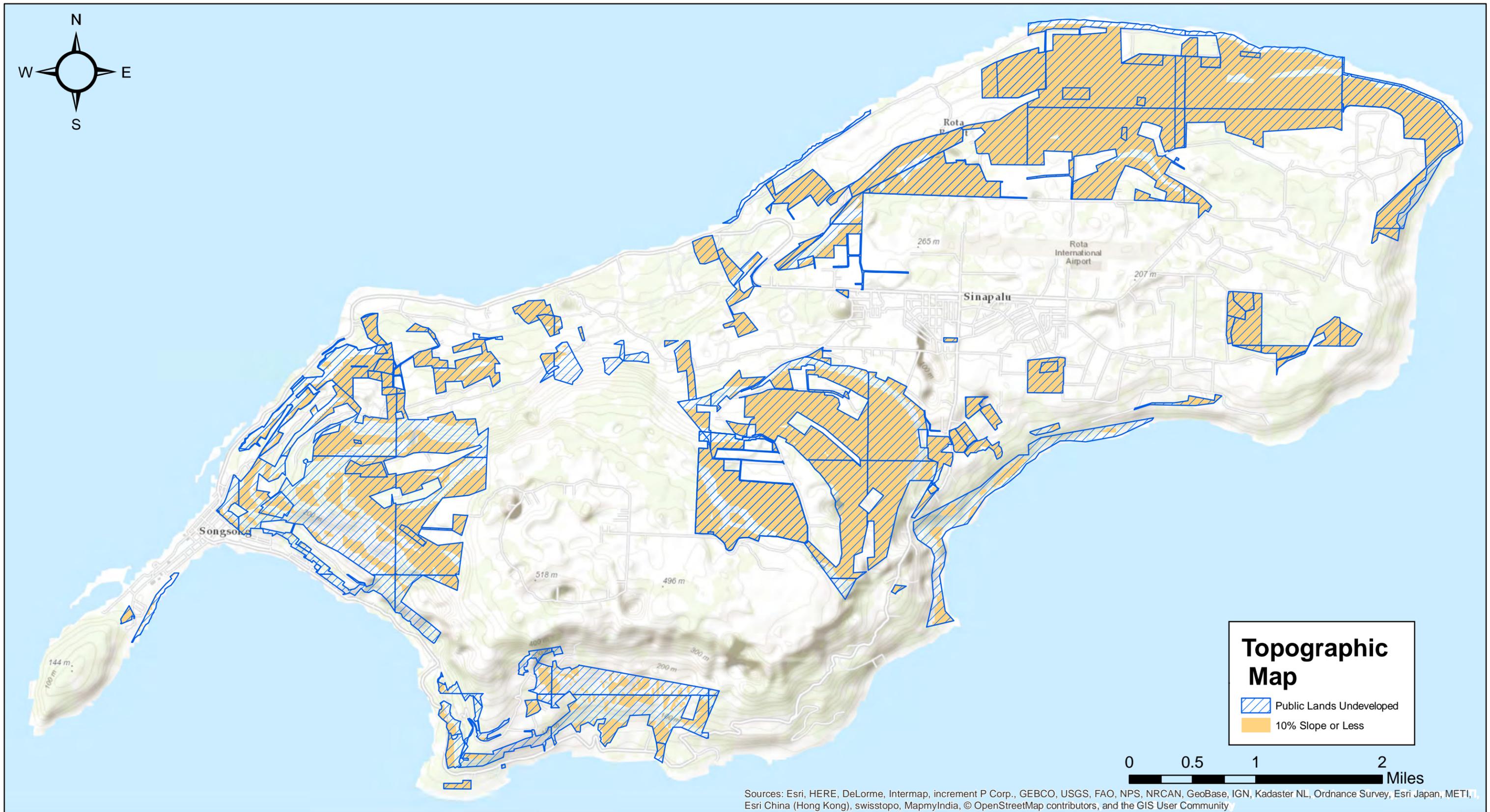




# ROTA

FIGURE R-5



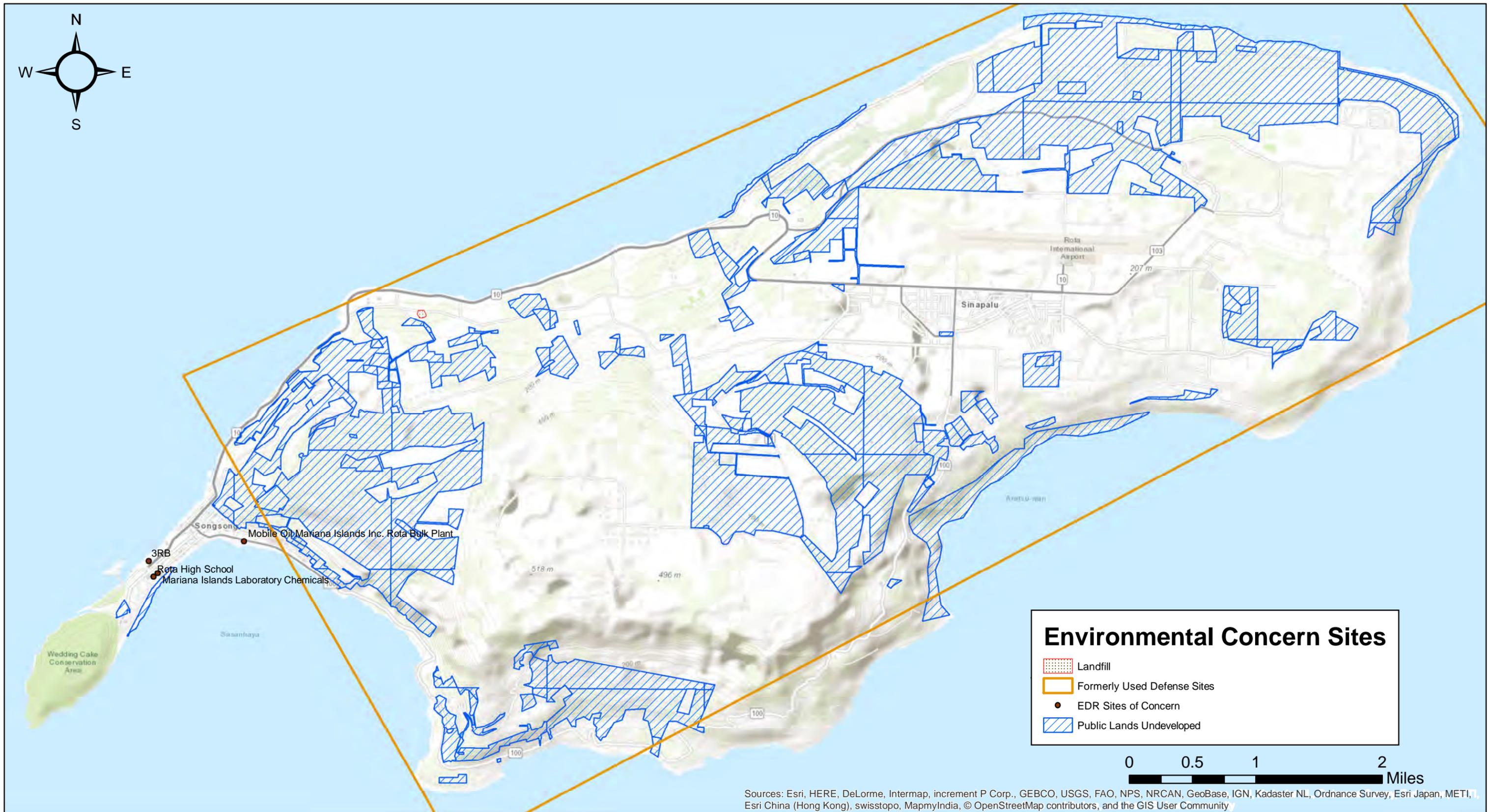


# ROTA

Information by U.S. Geological Survey

FIGURE R-6



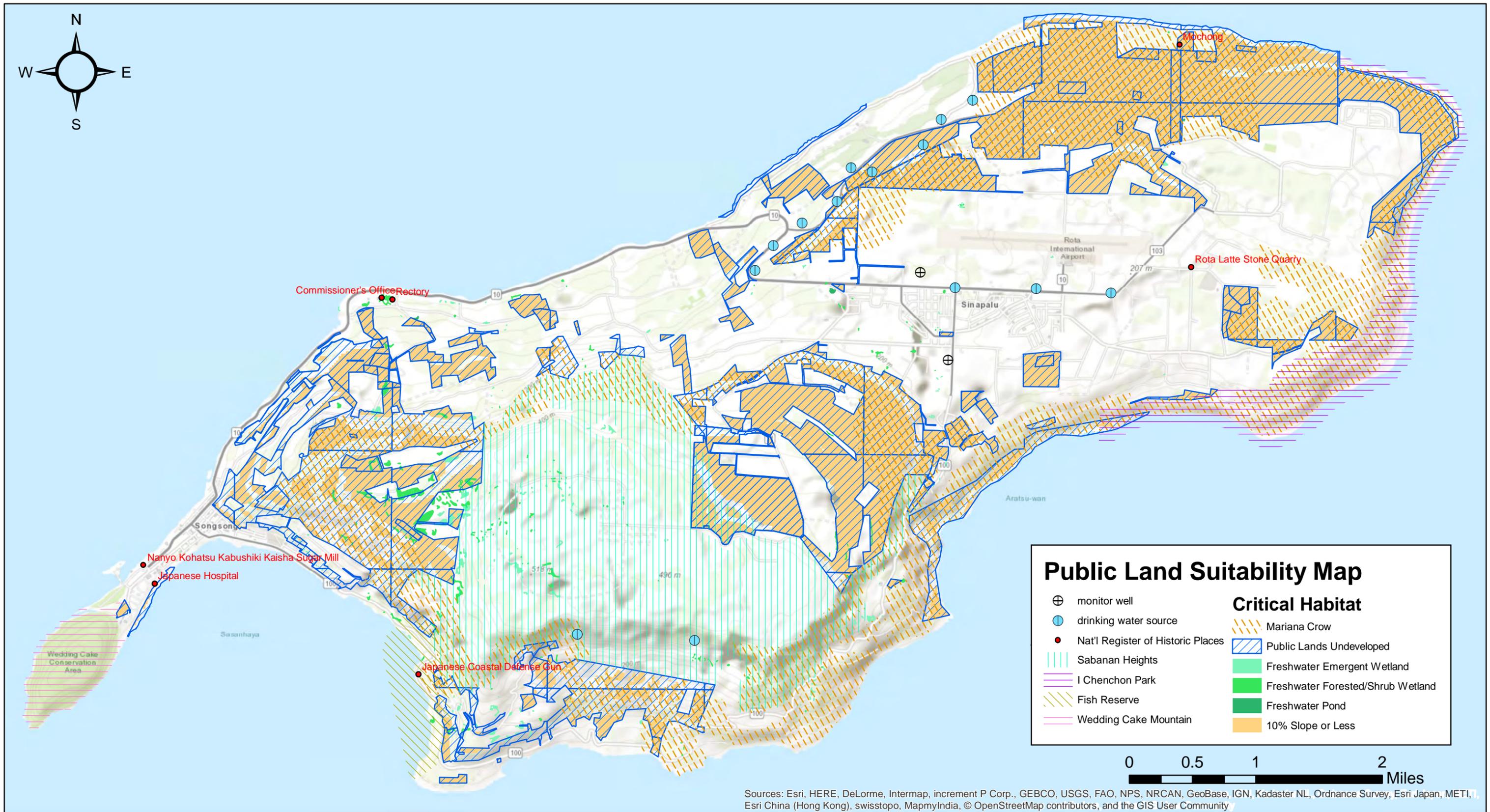


# ROTA

Information by CNMI BECQ & U.S. Army Corps of Engineers

FIGURE R-7



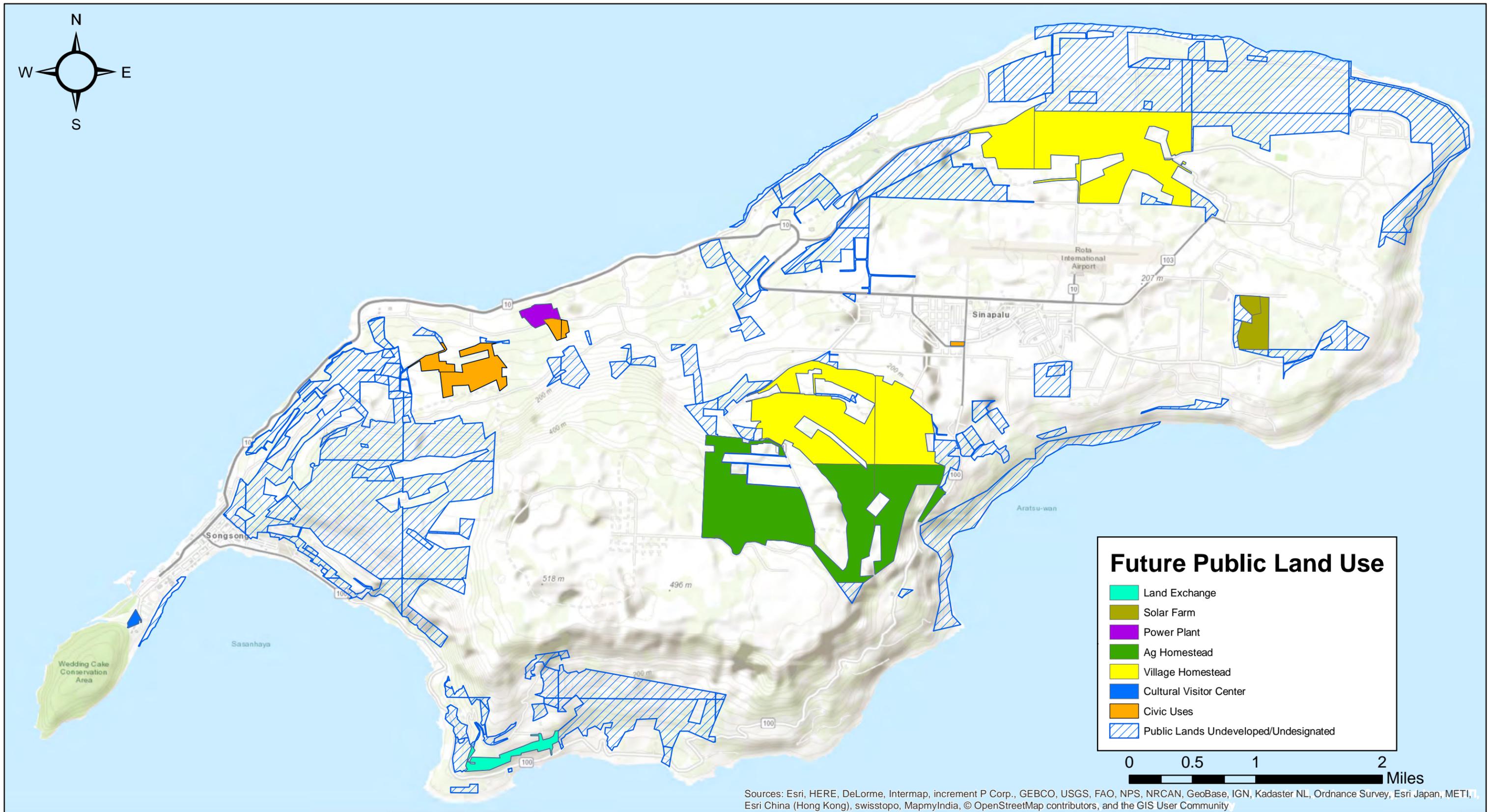


# ROTA

Information by CNMI BECQ, F&W, & DPL

FIGURE R-8



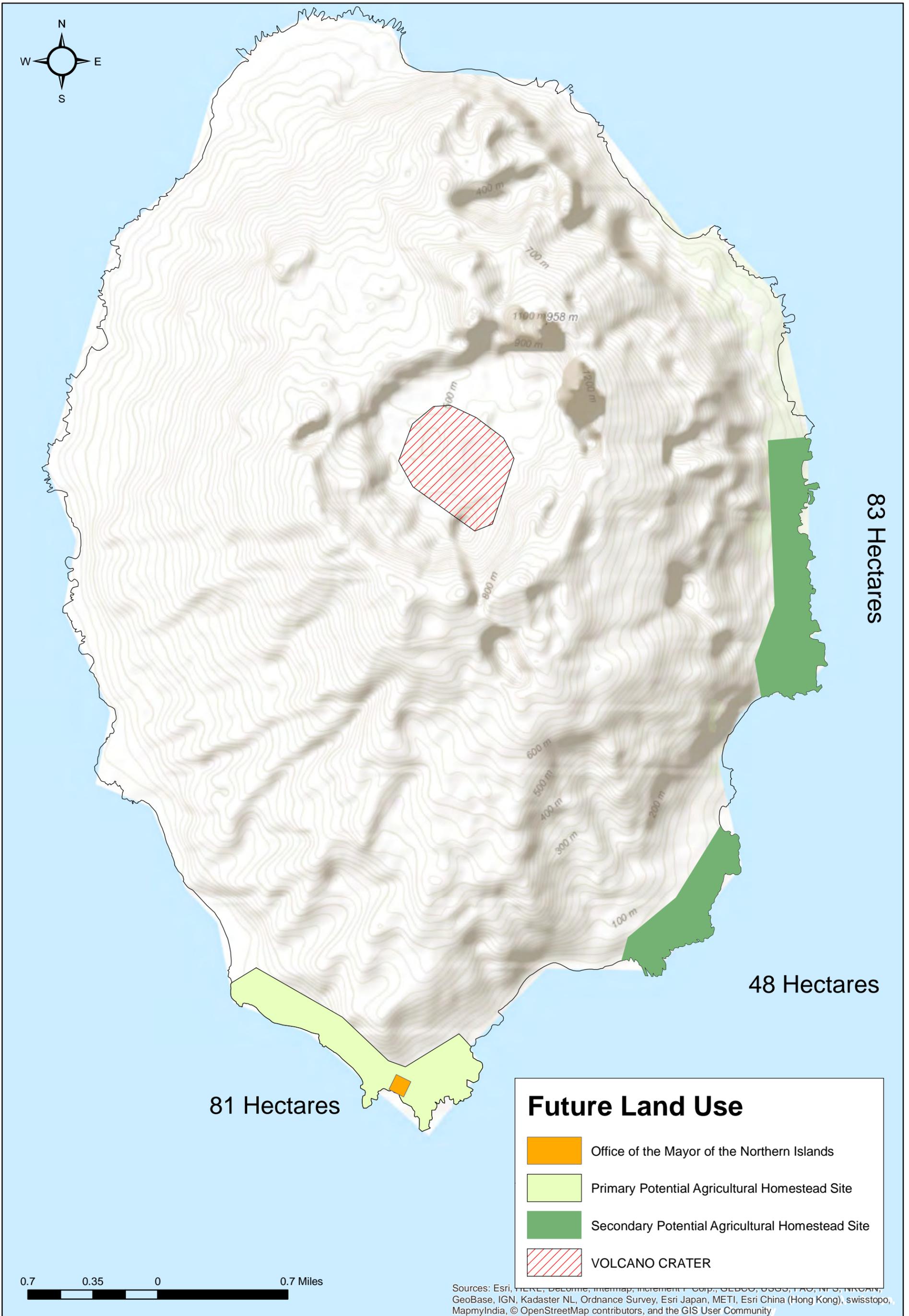


# ROTA

FIGURE R-9



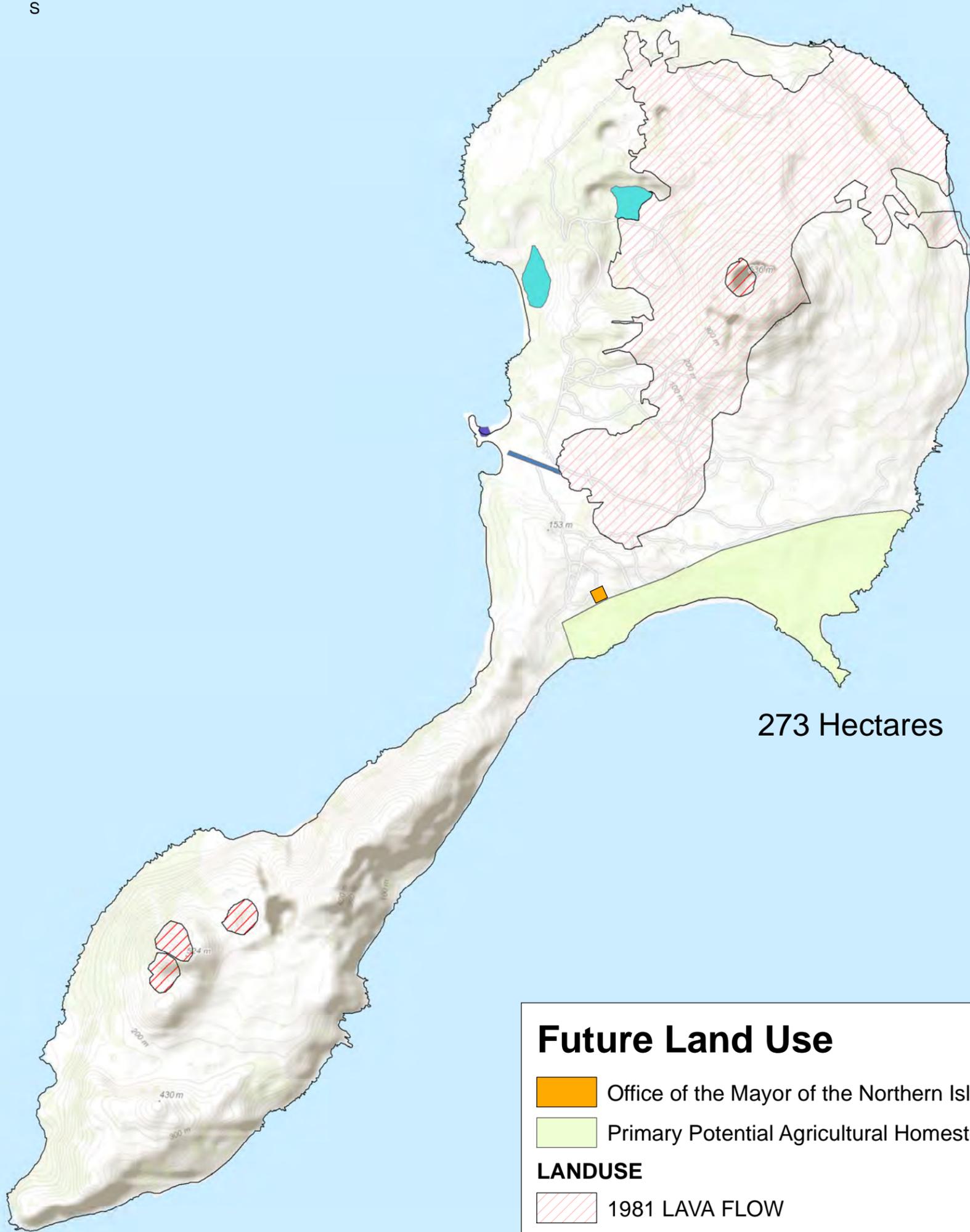
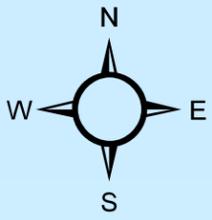
# NORTHERN ISLAND MAPS



# AGRIHAN

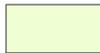
FIGURE N-1

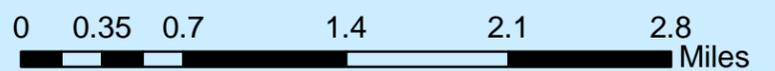




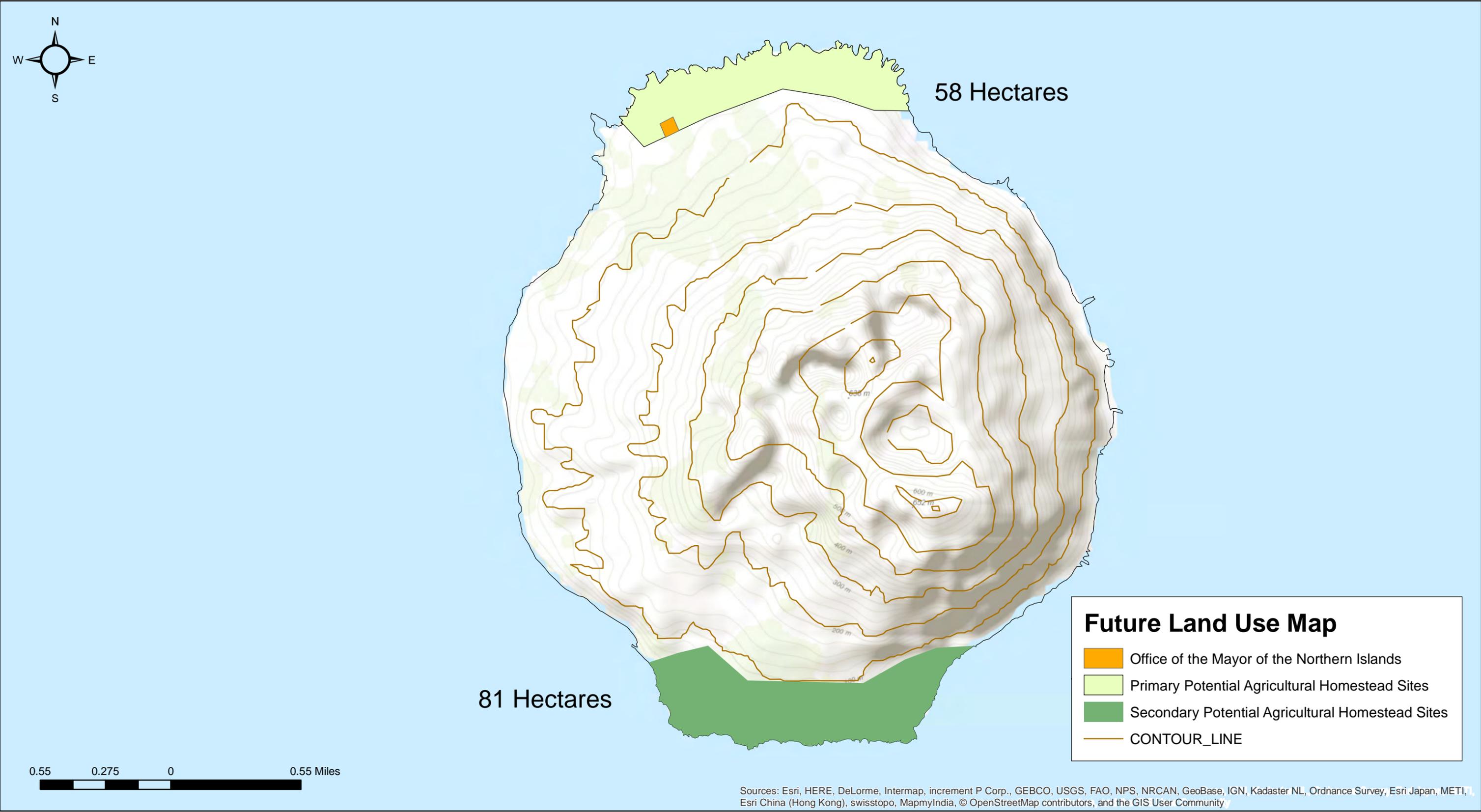
273 Hectares

### Future Land Use

-  Office of the Mayor of the Northern Islands
-  Primary Potential Agricultural Homestead Site
- LANDUSE**
-  1981 LAVA FLOW
-  GRASS/DIRT RUNWAY
-  LAKE
-  PAGAN LANDING
-  VOLCANO CRATER



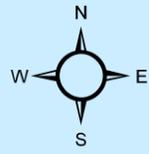
Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



# ALAMAGAN

FIGURE N-3

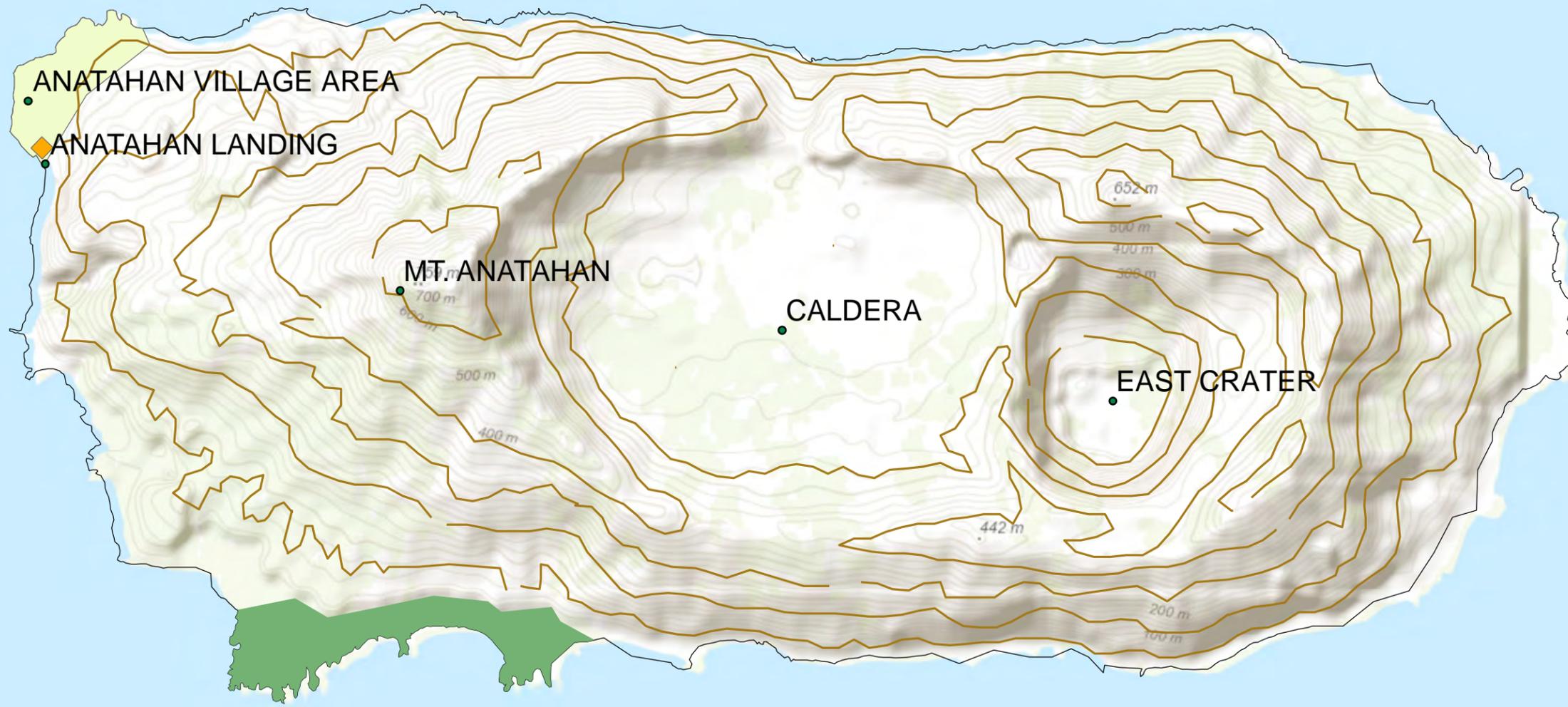




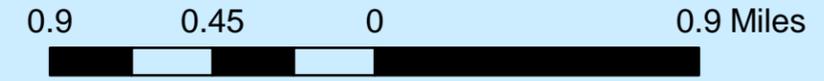
38 Hectares

### Future Land Use

- Office of the Mayor of the Northern Islands
- Primary Potential Agricultural Homestead Site
- Secondary Potential Agricultural Homestead Site
- Contour Line



70 Hectares



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

# ANATAHAN

FIGURE N-4

