

**Pacific Islands Database - FIA User's Guide**  
**Pacific Northwest Research Station, Forest Inventory and Analysis**  
**USDA Forest Service**

**April 20, 2009**  
(to be updated, enhanced, expanded over time)

User Interface developed by Karen Waddell;  
Database developed and compiled by Joseph Donnegan and Bruce Hiserote;  
Data collected by Pacific Island foresters in cooperation with FIA field staff.

The U.S. Forest Service, Forest Inventory and Analysis (FIA) program conducts resource inventories on the U.S. affiliated Pacific Islands of American Samoa, Guam, Palau, the Northern Mariana Islands, the Federated States of Micronesia, the Marshall Islands, and Hawaii. Six island groups have been measured since 2001, with only Hawaii remaining without a recent survey. Data from these inventories have been reviewed, edited, and compiled into a database called the **PNW- FIA Pacific Islands Database**, which contains all of the plot data collected to date. This user's guide describes an application that was developed as an interface to the Microsoft Access® database software, where the Pacific Islands data are stored. We have provided a series of pop-up screens containing push buttons that simplify a variety of tasks. The User's Interface is a product that will continue to evolve as we receive input from clients, users, and FIA staff.

The goal of this Interface is to make it easy to view data and run summary reports, which in turn can be incorporated into Island-specific projects. In addition, users can open up the database window to work directly with the raw data. This will be important to help advanced users become familiar with the data, relational tables, queries and reports. We have not placed any restrictions on access to any of the data (they are **not** read-only), and thus the user must be careful not to change the original data. We hope that customized queries and reports will be created by users to answer individual questions that arise over time.

Currently, the Pacific Islands User Interface allows you to view and browse through the entire database, plot by plot. There are also a number of selection options to help users focus on a subset of plots to view and produce reports.

The application, data, and a number of references (such as field manuals, publications, and data dictionary) have been zipped and placed on a CD.

We recommend copying the zip file to a folder of your choice on your desktop computer, unzipping the file, and creating a shortcut for your desktop for easy access.

## Getting Started:

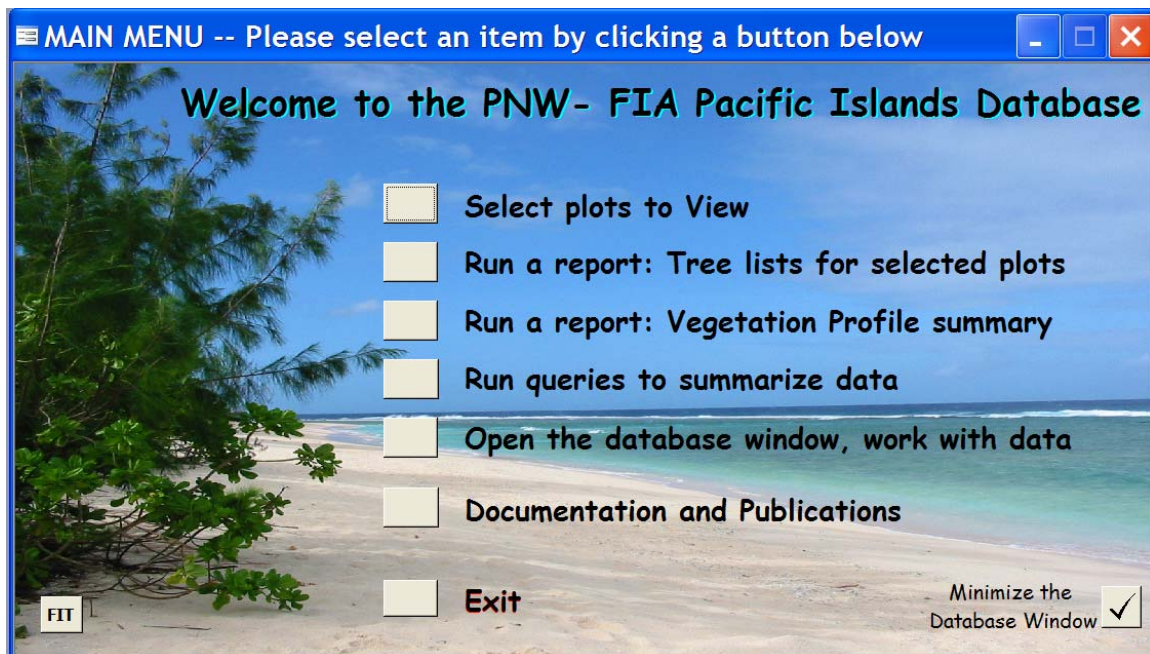
1. Copy the database from the CD onto your computer.
2. Unzip the database to the same location. Double click on the zip file and it will automatically unzip to the location of your choice.
3. Create a shortcut. To do this, find the database file that you just unzipped and right click on the file name. Select the menu item called 'Send to' and choose "Desktop". A shortcut will be created and placed on your desktop. It should have an Icon name similar to:

### **Shortcut to FIADB\_Pacific\_Islands\_Database.mdb**

It should look something like this (you can edit the text of the icon):



4. Click on this icon to Open the Database and startup the User Interface. This is the Main Menu screen that will pop up:



## Navigating around the screen

The screen is movable, so you can position it where you want it, by click-and-holding on the title bar and dragging it around.

Minimize the  
Main Menu  
Screen

Close the Main Menu  
(you can get it back)

The screenshot shows a window titled "MAIN MENU -- Please select an item by clicking a button below". The window has a blue title bar with standard Windows window controls (minimize, maximize, close). The main content area features a background image of a tropical beach with palm trees. Overlaid on this image is a list of menu items, each preceded by a small square button:

- Select plots to View
- Run a report: Tree lists for selected plots
- Run a report: Vegetation Profile summary
- Run queries to summarize data
- Open the database window, work with data
- Documentation and Publications
- Exit

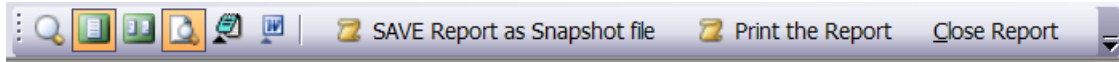
At the bottom left of the window is a small box labeled "FIT". At the bottom right is a checkbox labeled "Minimize the Database Window" which is currently checked.

Callouts and their targets:

- A green arrow points from the text "Click any button to use the database" to the first menu item button.
- An arrow points from the text "This button will close the database." to the "Exit" button.
- An arrow points from the text "Minimize the Main Menu Screen" to the minimize button in the title bar.
- An arrow points from the text "Close the Main Menu (you can get it back)" to the close button in the title bar.
- An arrow points from the text "If you have the database window open, this button will minimize it down to a small box in the lower left of your screen." to the "Minimize the Database Window" checkbox.

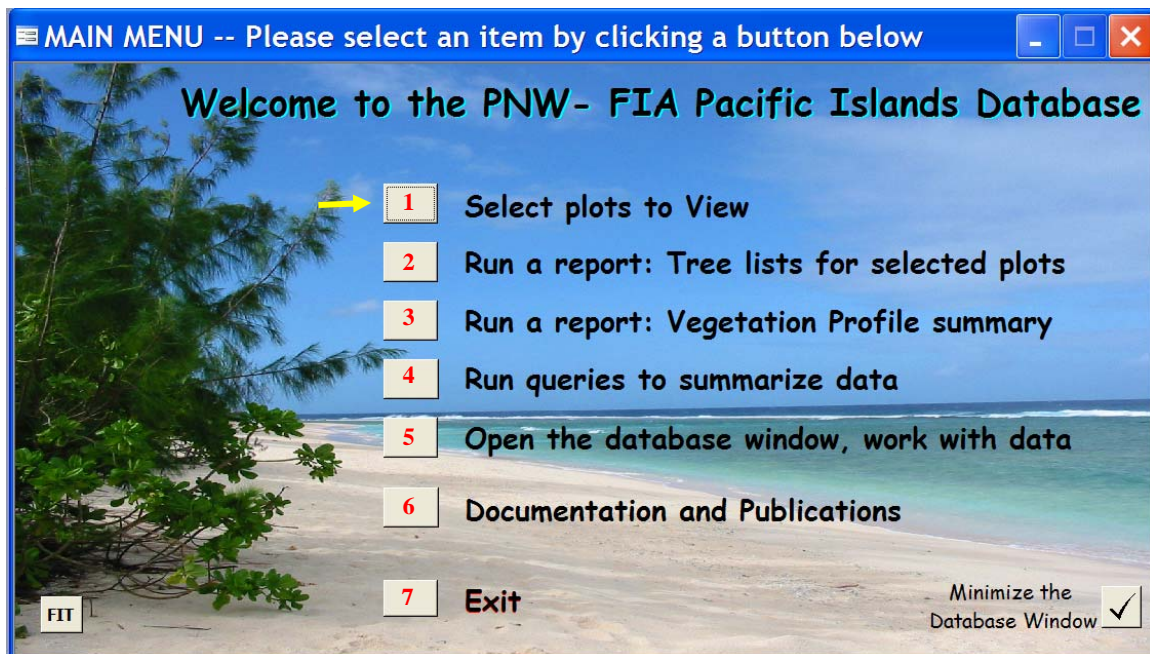
## Islands Report TOOLBAR

This is the toolbar that will show up when you run a report and want to either save the file, export it to other software, or close the report window and return to the menu.



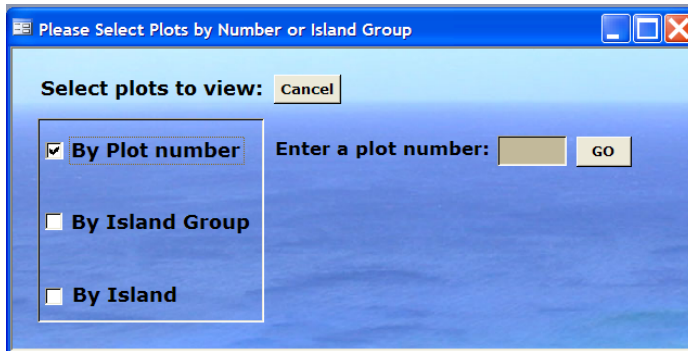
Options on the tool bar let you do a variety of things by clicking on the icons. You can zoom, display 1 page or many pages, Export reports to notepad or Word, create a Snapshot file (.snp), print one or more pages of the report, or close the report and return to the menu. Note that the snapshot file type creates a fixed image of the report, which is similar to an Adobe PDF file. This is a good way to save a copy of the formatted report for later use. Exporting reports to Word or Notepad is another option, however the formatting tends to be modified or removed. Once in Word or Notepad, you can copy part or all of the information and paste it into another document if desired. If a new query is created, Exporting to Excel or Word works well.

## Getting Familiar with the Buttons on the Main Menu





If you select Plot number, a field appears for you to enter a number. Click GO, to display information about the one plot on a tabbed viewing screen.



**Please Select Plots by Number or Island Group**

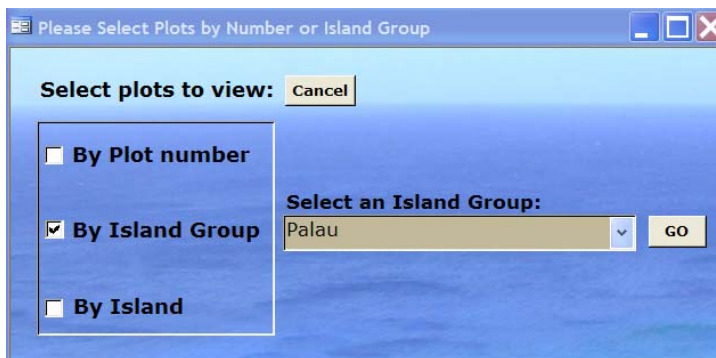
Select plots to view:

☒ **By Plot number** Enter a plot number:

☐ **By Island Group**

☐ **By Island**

If you check Island Group, a drop down box will appear, allowing you to select an island group from the list. Click GO, to view all information about all plots that were sampled in this group.



**Please Select Plots by Number or Island Group**

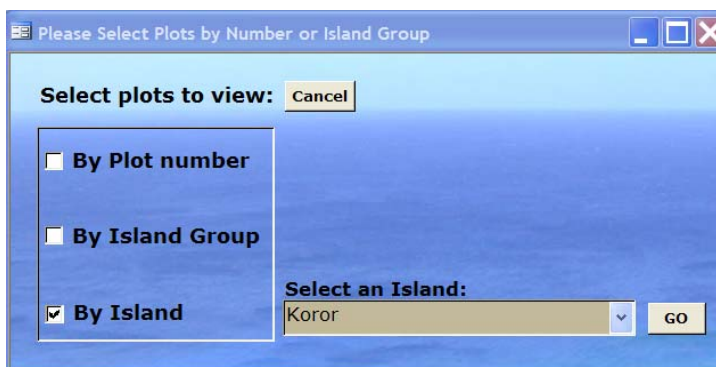
Select plots to view:

☐ **By Plot number**

☒ **By Island Group** Select an Island Group: Palau

☐ **By Island**

Or, you can select plots for an individual Island. A drop down box will appear, allowing you to select an island from the list. Click GO, to view all information about all plots that were sampled in this group.



**Please Select Plots by Number or Island Group**

Select plots to view:

☐ **By Plot number**

☐ **By Island Group**

☒ **By Island** Select an Island: Koror

Once a selection is made, another screen will show all of the data collected on each plot, displayed in separate tabbed pages, as shown below. Click on the tab marker to view information about the plot. The first tab displays information about the plot and condition class, other tabs show data about live and dead trees, seedlings, and understory vegetation.

The screenshot displays the 'PNW-FIA Pacific Islands Database' window. At the top, the title bar reads 'PNW-FIA Plot Tree and Understory Veg Information'. Below the title, the database name 'PNW - FIA Pacific Islands Database' is centered. A 'Main Menu' button is in the top right corner. The main area contains several input fields: 'Palau' in a dropdown, 'Aimeliik' in a text box, 'PLOT NUMBER: 240', and 'COND. ID: 1'. Below these are five tabs: 'Plot Information', 'Tree Data', 'Seedlings', 'Vegetation Profile', and 'Vegetation summary'. An orange circle labeled 'TABS' with an arrow points to the 'Vegetation summary' tab. The 'Plot Information' tab is active, showing fields for 'Date of Measurement: February 2003', 'Owner: State government', and 'Unreserved'. It also includes 'Type of land: Accessible forest land', 'SLOPE: 30 (percent)', 'ASPECT: 200 (degrees)', and 'If nonforest, what's there?'. A section titled 'Characteristics of the forest found on this plot and condition' contains 'FIA Forest Type: Lowland tropical rainforest', 'Estimated Stand Age (years): 15', and 'Stand size: 2 Stands with tree diameters predominantly 5-10.9 in.'. At the bottom, there are buttons for 'Previous PLOT' and 'Next PLOT or Condition' with left and right arrows. A box with the text 'Click here to scroll through the set of plots' has two arrows pointing to these navigation buttons.

PNW-FIA Plot Tree and Understory Veg Information

PNW - FIA Pacific Islands Database

Main Menu

Palau Aimeliik PLOT NUMBER: 240 COND. ID: 1

Plot Information Tree Data Seedlings Vegetation Profile Vegetation summary

Date of Measurement: February 2003 Owner: State government Unreserved

Type of land: Accessible forest land SLOPE: 30 (percent) ASPECT: 200 (degrees)

If nonforest, what's there?

Was any disturbance found on this plot? 0 0 None found

Characteristics of the forest found on this plot and condition

FIA Forest Type: Lowland tropical rainforest

Estimated Stand Age (years): 15

Stand size: 2 Stands with tree diameters predominantly 5-10.9 in.

Previous PLOT + - Next PLOT or Condition

Click here to scroll through the set of plots

Note the **Main Menu** button in the upper right corner of the screen takes you back to the Main Menu Screen. The Arrows on the bottom of the screen let you scroll through the plots. The wheel on your mouse will also let you scroll through the database.

## Examples of data displayed in the other tabs of the VIEW form

### TREE TAB

PNW-FIA Plot Tree and Understory Veg Information

PNW - FIA Pacific Islands Database

Palau Aimeilik PLOT NUMBER: 240 COND. ID: 1

Plot Information **Tree Data** Seedlings Vegetation Profile Vegetation summary

PLOT	SUBP	CONDID	TREE	STATUS	SPECIES CODE	Scientific Name	DIAMETER (in)
240	1	1	101	LIVE	454	Cerbera manghas	
240	3	1	128	LIVE	945	Ptychosperma palauensis	
240	2	1	112	LIVE	814	Camptosperma brevipetiolata	
240	4	1	139	LIVE	945	Ptychosperma palauensis	
240	4	1	138	LIVE	814	Camptosperma brevipetiolata	
240	1	1	103	LIVE	945	Ptychosperma palauensis	
240	4	1	137	LIVE	959	Swietenia mahogoni	
240	2	1	115	LIVE	440	Calophyllum inophyllum	
240	1	1	102	LIVE	454	Cerbera manghas	
240	1	1	104	LIVE	105	Annona reticulata	
240	3	1	126	LIVE	814	Camptosperma brevipetiolata	
240	1	1	106	LIVE	814	Camptosperma brevipetiolata	
240	3	1	133	LIVE	888	Morinda latibracteata	
240	1	1	100	LIVE	454	Cerbera manghas	

Record: 1 of 44

Previous PLOT Next PLOT or Condition

### SEEDLING TAB

PNW-FIA Plot Tree and Understory Veg Information

PNW - FIA Pacific Islands Database

Palau Airai PLOT NUMBER: 184 COND. ID: 1

Plot Information Tree Data **Seedlings** Vegetation Profile Vegetation summary

PLOT	SUBPLOT	CONDID	SPECIES	Scientific Name	TREE COUNT
184	4	1	101	Aidia cochinchinensis	2
184	1	1	805	Alphitonia carolinensis	1
184	4	1	814	Camptosperma brevipetiolata	4
184	1	1	454	Cerbera manghas	5
184	4	1	521	Ficus tinctoria	4
184	2	1	521	Ficus tinctoria	5
184	4	1	874	Horsfieldia palauensis	3
184	2	1	874	Horsfieldia palauensis	3
184	1	1	876	Macaranga carolinensis	5
184	2	1	938	Pinanga insignis	2

Record: 1 of 13

Previous PLOT Next PLOT or Condition

## VEGETATION PROFILE TAB

PNW-FIA Plot Tree and Understory Veg Information

**PNW - FIA Pacific Islands Database**

Palau Alrai PLOT NUMBER: 184 COND. ID: 1

Plot Information Tree Data Seedlings **Vegetation Profile** Vegetation summary

PLOT	SUBPLOT	SPECIES CODE	Scientific Name	TOTAL CANOPY COVER (%)	CANOPY
184	2	ALPCAR	Alpinia carolinensis	3	
184	4	ALPCAR	Alpinia carolinensis	4	
184	1	BLEORI	Blechnum orientale	3	
184	2	CAESA	Caesalpinia sp.	2	
184	4	COSP8	Costus speciosus	1	
184	3	DIANE	Dianella sp.	3	
184	2	DOCA5	Donax cannaeformis	15	
184	3	EURJAP	Eurya japonica	2	
184	3	ISPO3	Ischaemum polystachyum	40	
184	1	ISPO3	Ischaemum polystachyum	10	
184	2	IXORA	Ixora sp.	2	
184	1	IXORA	Ixora sp.	12	
184	4	IXORA	Ixora sp.	1	

Previous PLOT + Next PLOT or Condition

## PLOT SUMMARY FOR VEG DATA

PNW-FIA Plot Tree and Understory Veg Information

**PNW - FIA Pacific Islands Database**

Palau Koror PLOT NUMBER: 247 COND. ID: 1

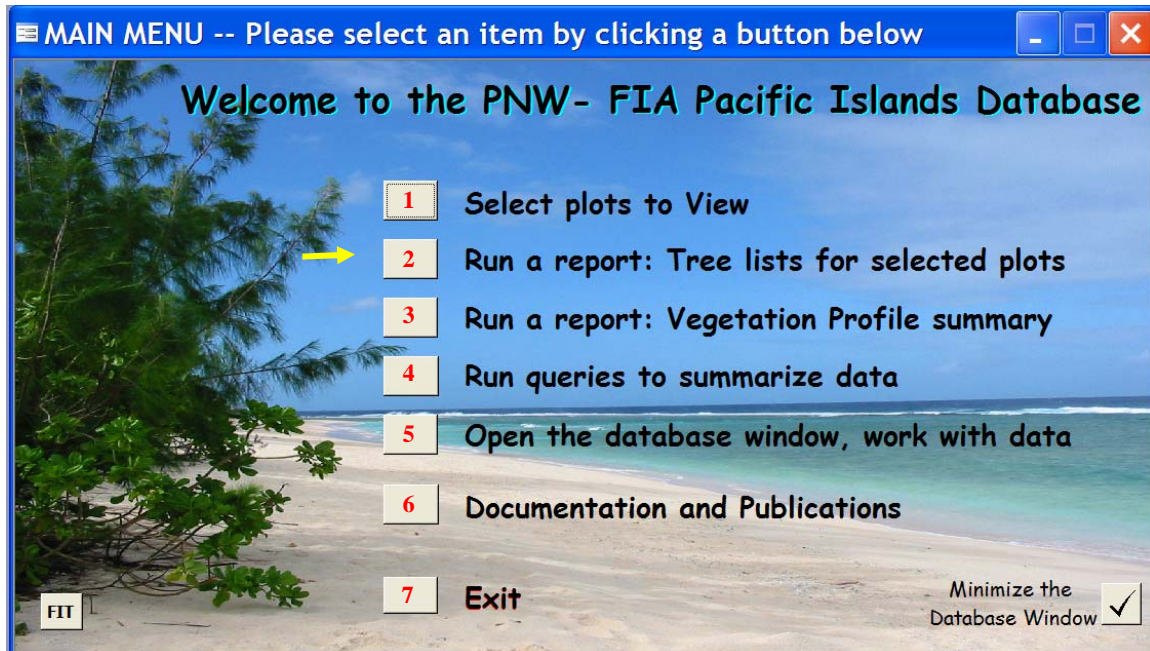
Plot Information Tree Data Seedlings **Vegetation Profile** Vegetation summary

SPECIES CODE	Scientific Name	Avg of all canopy layers:	Avg Canopy Cover--layers 1 and 2:
ALPIN	Alpinia sp.	8.0	8.0
ASNI	Asplenium nidus	1.3	1.3
BLEORI	Blechnum orientale	12.7	12.7
DECAS	Decaspermum sp.	1.0	1.0
DETR5	Derris trifoliata	12.5	0.0
DIOSC	Dioscorea sp.	3.0	0.0
IXORA	Ixora sp.	1.5	1.0
MACMAR	Machaerina mariscoides	1.0	1.0
MERRE	Merremia sp.	1.5	0.0
MISC2	Microsorium scolopendria	2.0	2.0
NEM15	Nepenthes mirabilis	1.5	1.5
RHAAFF	Rhaphidophora versteegii	2.0	0.0
SCHDIC	Schizaea dichotoma	1.0	1.0
VINE	Unknown Vine	1.0	0.0
VITR7	Vitex trifolia	25.0	0.0

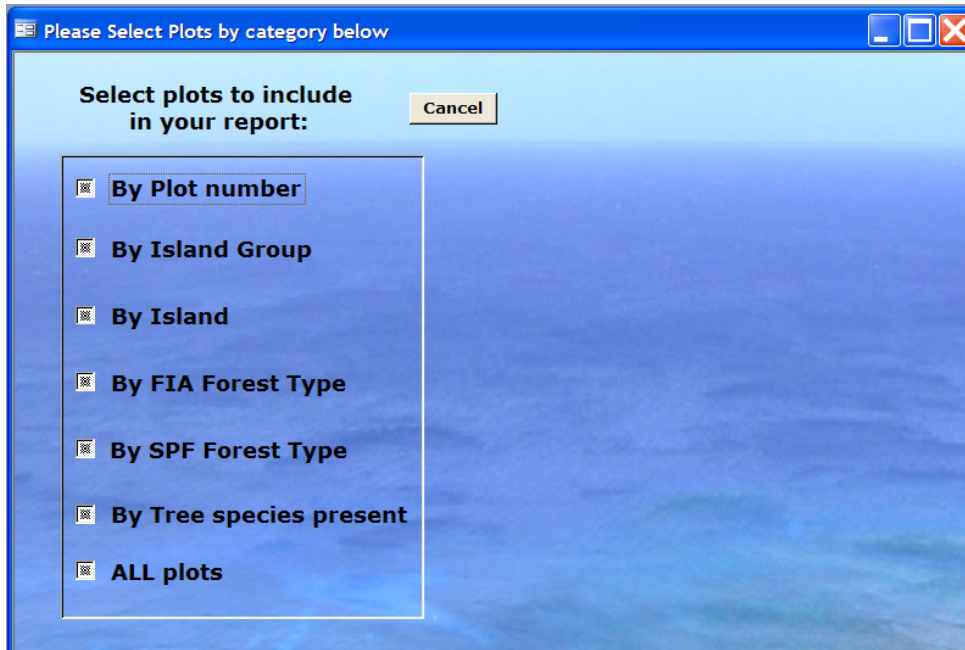
Previous PLOT + Next PLOT or Condition



## Button # 2 : Running Reports that display tree information



This button lets you select a set of plots to be displayed in a summary report. These reports show a listing of the trees along with measured and calculated data. You can select plots by plot number, Island group, individual Island, FIA forest type, S&PF forest type, tree species present, or the entire database.



The sixth option to select plots for a report is labeled “By Tree species present”. When this box is checked, a drop down list appears. Click the down arrow to see a list of tree species that have been collected on FIA inventory plots across the islands. Select one of these species from the list.

Please Select Plots by category below

Select plots to include in your report: Cancel

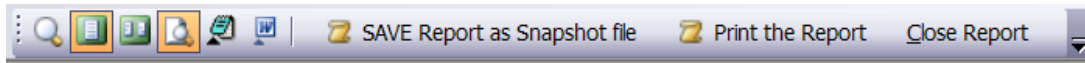
- ☐ By Plot number
- ☐ By Island Group
- ☐ By Island
- ☐ By FIA Forest Type
- ☐ By SPF Forest Type
- ☒ By Tree species present
- ☐ ALL plots

Select a Species:  GO

The report will show all plots that had at least one tree of this species tallied on the plot. Currently, there is no option to combine the selection options, so all plots, on all islands are displayed (if they contain at least one of these species).

## Report Example

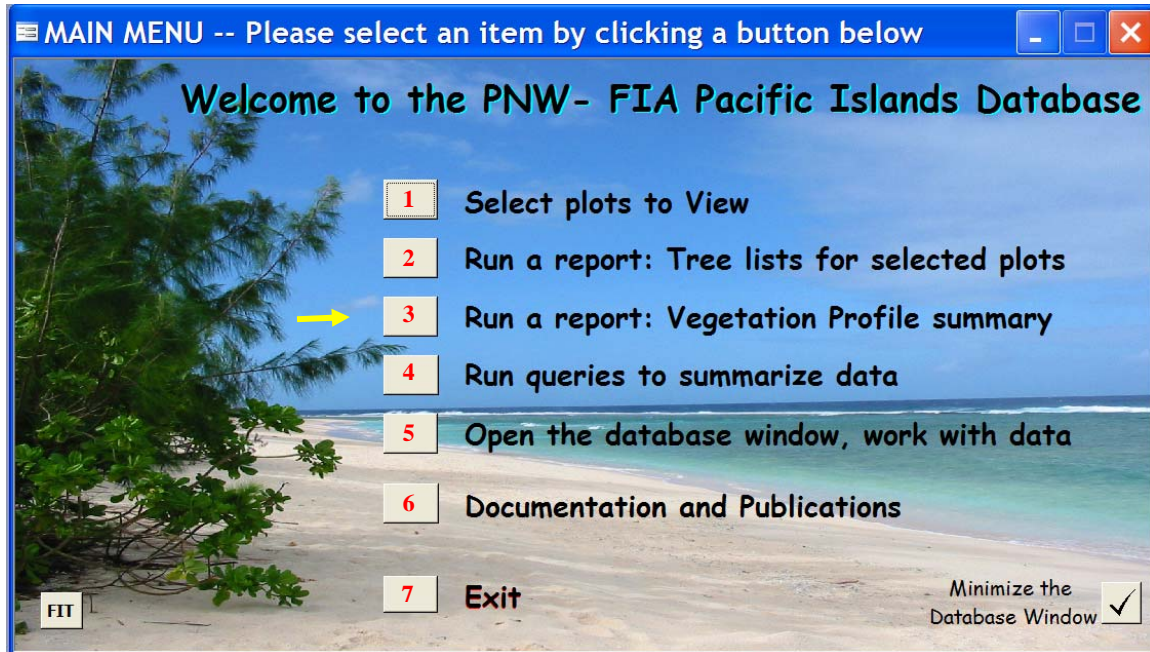
An example of a report created with this option is shown below.  
You can use the toolbar to either print or export and save the report.



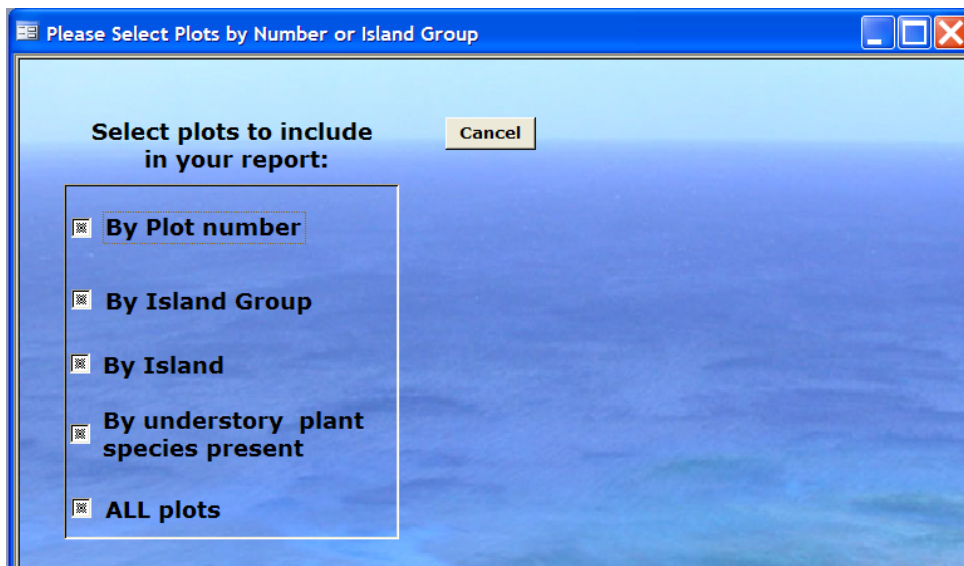
PNW - FIA Pacific Islands Inventory Database										
Listing of tree data collected on the plot.										
Island group	Federated States of Micronesia						Plot number:	946		
Island:	Chuuk						Condition class:	1		
Measured in:	March	2006	SLOPE (percent):		50	ASPECT (degrees):		100		
Type of land:	Accessible forest land						Unreserved			
							OWNER: Private, Individual			
Forest type (FIA): Agroforestry										
Stand size: Stands with tree diameters predominantly 11- 19.9 in.										
Stand age: 30										
Disturbance found? None found										
Tree Data										
Sub plot	Tree Num	Status	Species Code	Scientific Name	Diam	Ht	Crown ratio	Crown class	Biomass (lbs)	Volume (ft3)
3	119	LIVE	101	Aidia cochinchinensis	0.1	2	90	5	0.0	0.0
3	118	LIVE	101	Aidia cochinchinensis	0.1	3	75	5	0.0	0.0
2	122	LIVE	190	Prem na obtusifolia	0.1	2	70	3	0.0	0.0
3	116	LIVE	293	Artocarpus altilis	24.5	79	70	3	3,419.1	109.5
1	105	LIVE	441	Cananga odorata	9.3	27	45	4	202.3	6.5
1	104	LIVE	441	Cananga odorata	10.3	33	40	3	262.3	8.4
1	102	LIVE	466	Cocos nucifera	9.3	32	50	3	358.9	11.5
1	100	LIVE	466	Cocos nucifera	9.2	37	55	4	400.1	12.8
1	106	LIVE	466	Cocos nucifera	10.6	39	50	3	608.5	19.5
2	121	LIVE	466	Cocos nucifera	9.8	33	50	3	387.1	12.4
2	120	LIVE	466	Cocos nucifera	10	47	50	3	608.8	19.5
4	113	LIVE	466	Cocos nucifera	10.8	62	35	3	721.4	23.1
4	114	LIVE	569	Mangifera indica	8	29	60	5	197.7	6.3
4	110	LIVE	569	Mangifera indica	26.5	54	75	3	3,553.2	113.8
4	111	LIVE	569	Mangifera indica	17.3	56	75	4	1,359.8	43.6
4	112	LIVE	569	Mangifera indica	6.4	23	45	5	96.7	3.1
1	103	LIVE	1460	Glochidion spp.	11.5	33	45	3	492.5	15.8
3	115	LIVE	1650	Musa spp.	8.4	24	50	4	157.6	5.0
4	107	LIVE	9999	Unknown	14.6	47	70	3	825.4	26.4
4	109	LIVE	9999	Unknown	19	49	75	4	1,594.9	51.1
4	108	LIVE	9999	Unknown	11	31	60	4	314.6	10.1

## Button # 3 : Running Vegetation Profile Reports

This button produces a report that displays understory vegetation for each plot that is selected. Option 3 is similar to Option 2 in terms of the selection criteria, except that the selection by forest type is not available and the species selection option is for understory vegetation instead of trees.

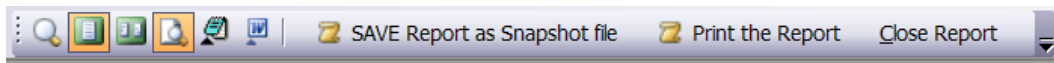


When you click on the “By understory plant species present” another drop down box will appear with a list of species. Choose the species you are interested in, and click GO.



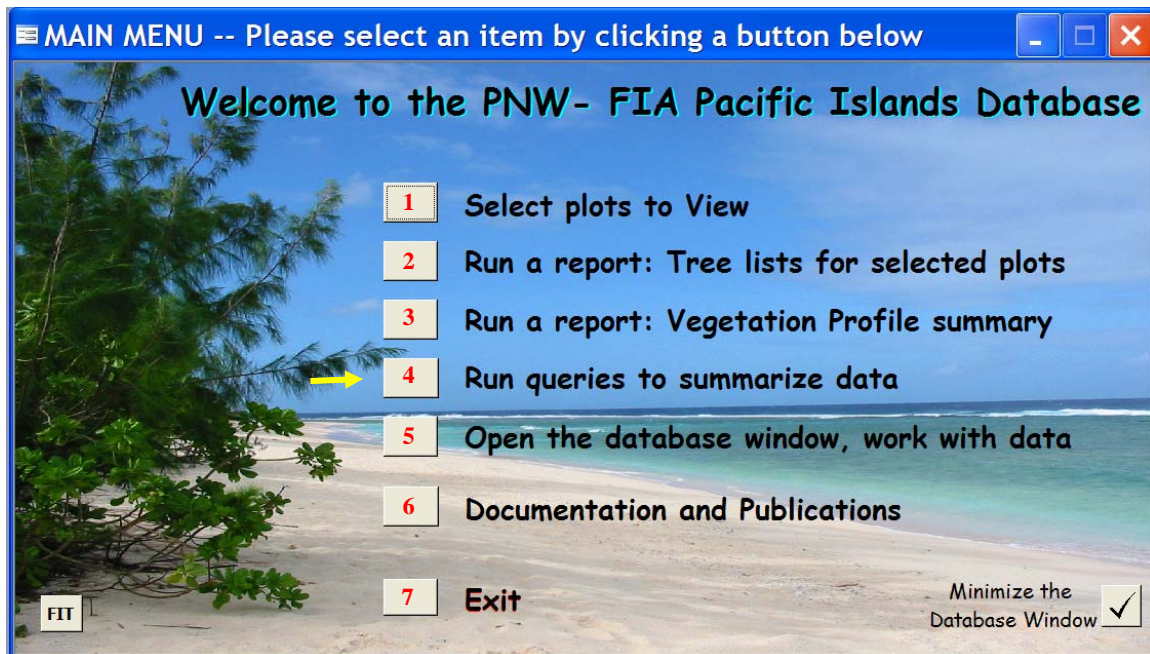


The report will display all plots that had that particular species recorded in the data. Once the report is displayed, you can choose options off of the menu bar for printing or saving the file.

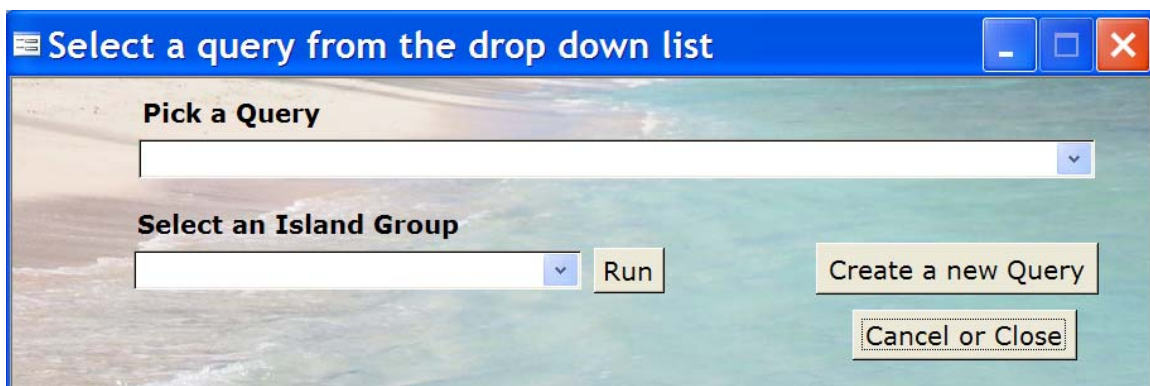


PNW - FIA Pacific Islands Inventory Database									
Listing of data collected in the Vegetation Profile sample on the plot.									
Island: <b>Northern Mariana Islands</b>					Plot number: <b>1002</b>				
County: <b>Saipan</b>					Condition class: <b>1</b>				
Measured in: March 2004			SLOPE (percent): 80		ASPECT (degrees): 270				
Type of land: Accessible forest land					Unreserved				
					OWNER: State government				
Forest type: Lowland tropical rainforest									
Stand size: Stands with tree diameters predominantly 5-10.9 in.									
Stand age: 20									
Disturbance found? None found									
Vegetation Profile Data									
Note: The same profile applies to all conditions on the plot									
Sub plot	Slope (%)	Aspect (degrees)	Species Code	Scientific Name	Canopy Cover Total (%)	Canopy Cover Layer1,2 (%)	Canopy Cover Layer 3 (%)	Canopy Cover Layer 4 (%)	
2	80	285	ASNI	Asplenium nidus	3	3	0	0	
4	65	265	CHOD	Chromolaena odorata	1	0	1	0	
1	100	270	MERPEL	Merremia peltata	1	0	1	0	
2	80	285	MERPEL	Merremia peltata	1	0	1	0	
4	65	265	MISC2	Microsorium scolopendria	4	4	0	0	
2	80	285	MIMIS	Mikania micrantha	1	0	1	0	
3	90	245	MIMIS	Mikania micrantha	1	1	0	0	
1	100	270	PIPGUA	Piper guahamense	1	1	0	0	
3	90	245	PIPGUA	Piper guahamense	5	0	5	0	
2	80	285	TEOCRE	Tectaria crenata	4	4	0	0	
3	90	245	TEOCRE	Tectaria crenata	3	3	0	0	
4	65	265	TEOCRE	Tectaria crenata	1	1	0	0	
4	65	265	THEGRE	Thelypteris gretheri	1	1	0	0	
3	90	245	FERN3	Unknown Fern 3	2	2	0	0	
3	90	245	UNK	Unknown sp.	3	3	0	0	

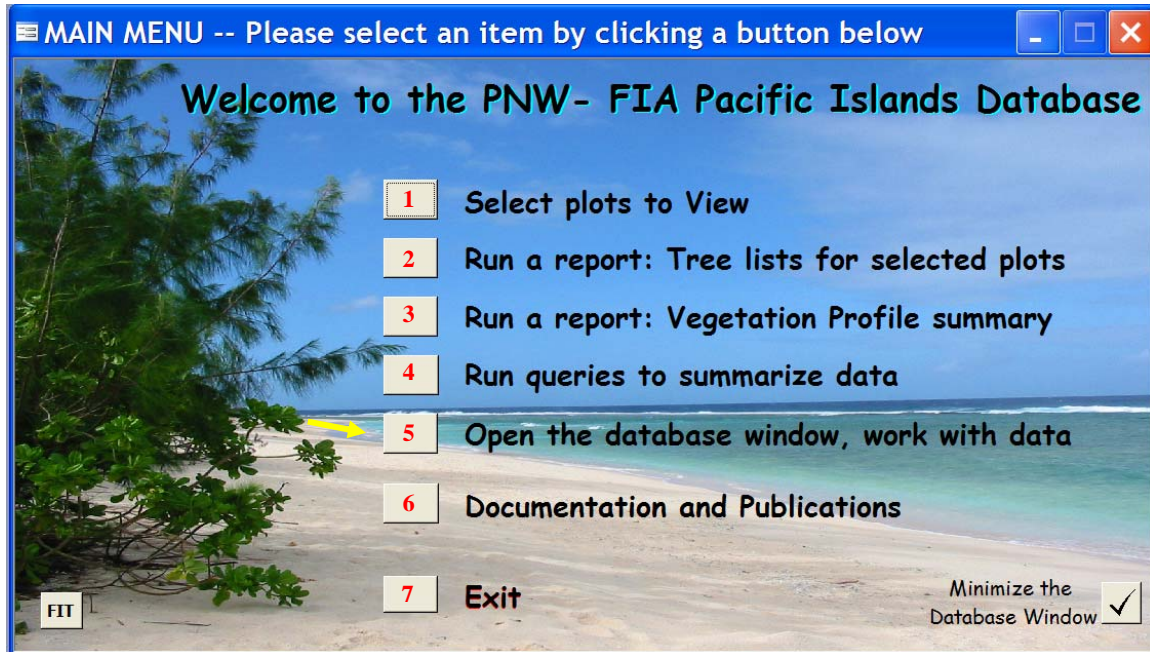
## Button # 4: Running canned queries or creating your own



Clicking on the button brings up a window that lets you select from a set of existing queries and allows you to choose an island group. There is also a button labeled “Create a new Query” that takes you to the database query window, where you can create your own customized queries



## Button # 5: Opening the database window



This button will minimize the User Interface, and allow you to go directly to the database tables, queries and reports. Once the database window is open, you can review or analyze the data in each database table, create queries, or develop and run reports.

It is difficult to put restrictions on the database elements, without making it useless for advanced users to work with. Currently, many of the files we use in the application are hidden, but the raw data and reference tables are visible and usable. There are no read-only restrictions on tables. If you want to work with the data and create new columns or variables it may be a good idea to make a copy of the data before you modify the contents of a table.

Please refer to the data dictionary for details on each table and column, for their meaning and potential use.

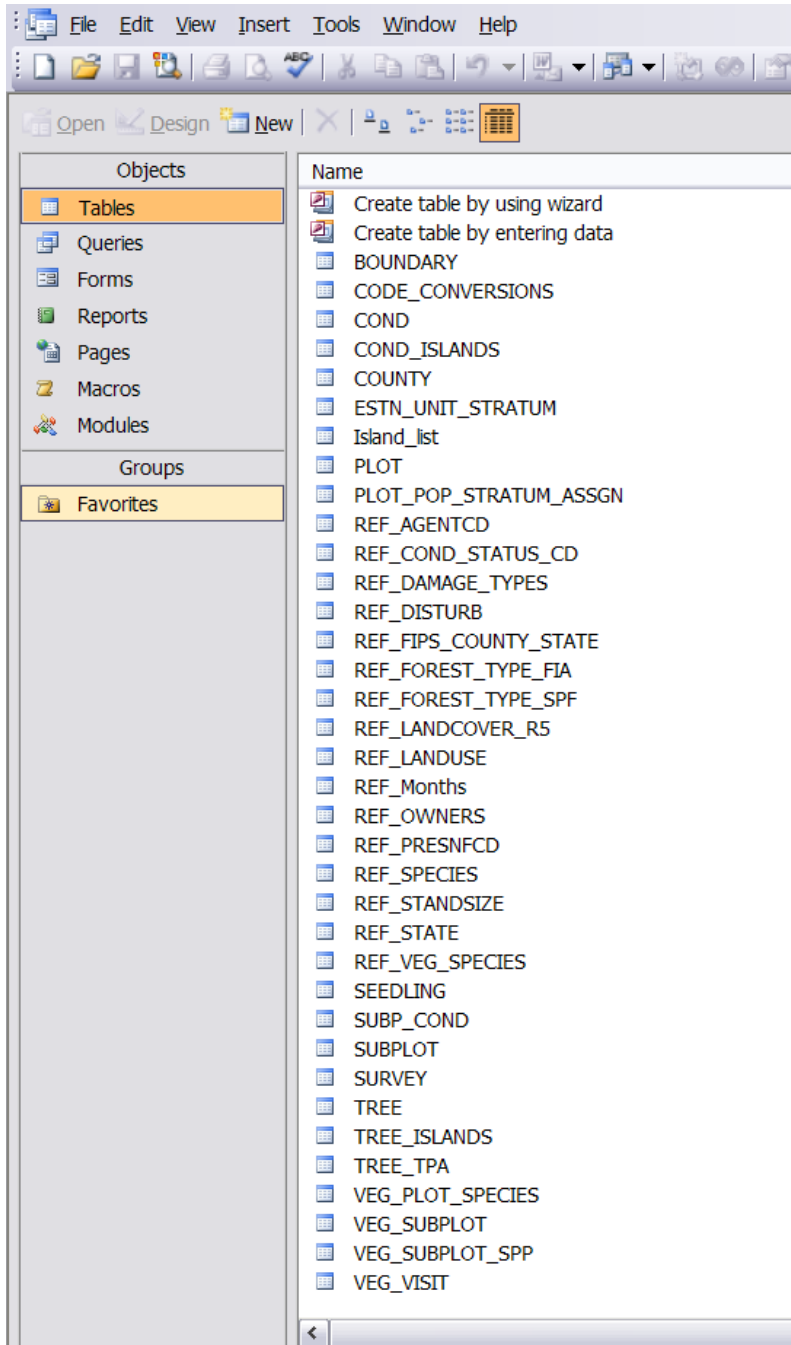
Relationships between tables have been created and saved. When tables are brought into new queries, many of the correct links will automatically be made.

## Button # 6: Opening the database window

And finally, the last button brings up a list of publications that were produced with FIA data. These can serve as a reference to methods, procedures, summaries, and results.

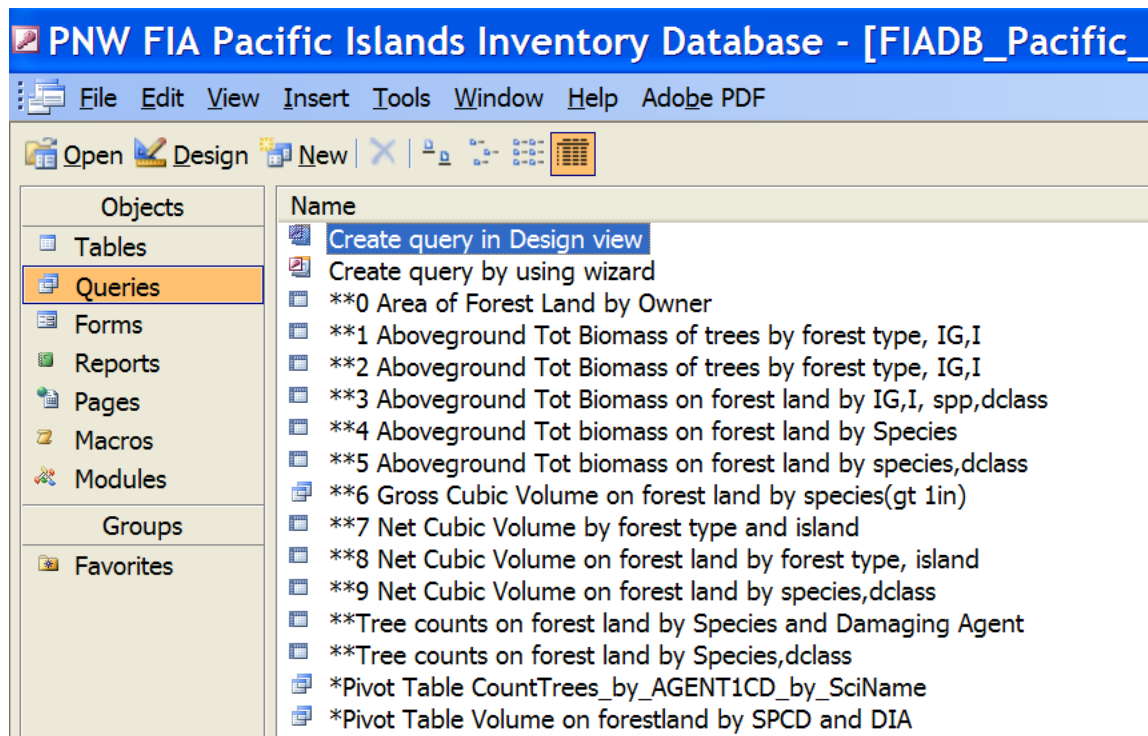
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### Tables in the Database:





## Queries in the Database:



## Appendix A

### Samples of Reports

TREE report – by Island Group – CNMI was selected

PNW - FIA Pacific Islands Inventory Database											
Listing of tree data collected on the plot.											
Island group: <b>Northern Mariana Islands</b>						Plot number: <b>4026</b>					
Island: <b>Rota</b>						Condition class: <b>1</b>					
Measured in: March 2004				SLOPE (percent): 10		ASPECT (degrees): 320					
Type of land: Accessible forest land						Unreserved OWNER: State government					
Forest type (FIA): Lowland tropical rainforest											
Stand size: Stands with tree diameters predominantly 5-10.9 in.											
Stand age: 30											
Disturbance found? Wind damage (typhoon, hurricane)											
Tree Data											
Sub plot	Tree Num	Status	Species Code	Scientific Name	Diam	Ht	Crown ratio	Crown class	Biomass (lbs)	Volume (ft3)	
1	111	LIVE	146	Eugenia stelechantha	1	9	45	4	1.5	0.0	
1	119	LIVE	146	Eugenia stelechantha	1.1	11	45	5	2.2	0.1	
1	116	LIVE	146	Eugenia stelechantha	2.1	15	40	4	8.7	0.3	
1	117	LIVE	146	Eugenia stelechantha	1.1	12	30	4	2.4	0.1	
1	115	LIVE	146	Eugenia stelechantha	1.1	10	30	4	1.9	0.1	
1	118	LIVE	146	Eugenia stelechantha	1.1	14	50	3	2.8	0.1	
1	114	LIVE	146	Eugenia stelechantha	1.2	10	30	5	2.4	0.1	
1	113	LIVE	146	Eugenia stelechantha	1	10	20	5	1.2	0.0	
1	112	LIVE	146	Eugenia stelechantha	1	10	40	4	1.7	0.1	
2	126	LIVE	146	Eugenia stelechantha	1.2	8	30	5	2.1	0.1	
2	129	LIVE	153	Guamia mariannae	1.4	13	50	5	3.8	0.1	
4	135	LIVE	153	Guamia mariannae	1.4	13	30	4	3.8	0.1	
4	134	LIVE	153	Guamia mariannae	1.7	14	25	4	5.7	0.2	
4	133	LIVE	153	Guamia mariannae	1.2	10	30	4	2.4	0.1	
2	127	LIVE	172	Morus alba	1	13	30	4	2.2	0.1	
2	128	LIVE	172	Morus alba	1.1	13	30	4	2.6	0.1	
2	125	LIVE	190	Premna obtusifolia	8.4	31	40	3	193.5	6.2	
2	122	LIVE	190	Premna obtusifolia	5.3	24	40	3	61.9	2.0	
4	140	LIVE	190	Premna obtusifolia	5	15	20	3	41.4	1.3	
1	110	LIVE	461	Citrus x aurantifolia	2.8	15	75	3	14.7	0.5	
1	109	LIVE	461	Citrus x aurantifolia	1.8	12	80	3	5.8	0.2	
1	108	LIVE	519	Ficus prolixa	1	8	30	5	1.9	0.1	

TREE report – by forest type – Lowland tropical rainforest was selected

## PNW - FIA Pacific Islands Inventory Database

Listing of tree data collected on the plot.

Island group: **Federated States of Micronesia** Plot number: **1529**  
 Island: **Chuuk** Condition class: **1**  
 Measured in: March 2006 SLOPE (percent): 25 ASPECT (degrees): 180  
 Type of land: Accessible forest land Unreserved  
 OWNER: Private, Individual  
 Forest type (FIA): Lowland tropical rainforest  
 Stand size: Stands with tree diameters predominantly 5-10.9 in.  
 Stand age: 50  
 Disturbance found? None found

### Tree Data

Sub plot	Tree Num	Status	Species Code	Scientific Name	Diam	Ht	Crown ratio	Crown class	Biomass (lbs)	Volume (ft3)
4	120	LIVE	441	Cananga odorata	1.9	19	20	5	8.5	0.3
4	122	LIVE	441	Cananga odorata	3.1	19	35	5	20.3	0.7
4	121	LIVE	441	Cananga odorata	3.3	20	25	5	23.5	0.8
4	129	LIVE	441	Cananga odorata	4	27	15	4	41.0	1.3
4	125	LIVE	441	Cananga odorata	1.7	17	20	5	6.5	0.2
3	138	LIVE	548	Hibiscus tiliaceus	7.6	48	40	3	230.3	6.5
2	118	LIVE	859	Exorrhiza ponapensis	15.5	72	30	2	1,824.8	58.5
3	141	LIVE	859	Exorrhiza ponapensis	7.5	37	30	3	187.4	6.0
3	143	LIVE	876	Macaranga carolinensis	5.7	45	40	3	133.3	4.3
4	123	LIVE	876	Macaranga carolinensis	3.5	20	35	4	26.2	0.8
4	137	LIVE	876	Macaranga carolinensis	7.1	34	30	4	141.9	4.5
4	133	LIVE	876	Macaranga carolinensis	6.3	34	35	3	118.3	3.8
4	130	LIVE	876	Macaranga carolinensis	5.4	27	40	3	70.3	2.3
4	132	LIVE	876	Macaranga carolinensis	6.4	26	40	3	92.2	3.0
4	131	LIVE	876	Macaranga carolinensis	6.6	36	40	3	144.5	4.6
4	124	LIVE	876	Macaranga carolinensis	2.1	22	25	3	11.3	0.4
1	103	LIVE	1460	Glochidion spp.	8.6	33	55	3	241.3	7.7
1	102	LIVE	1460	Glochidion spp.	6.4	26	40	3	121.3	3.9
1	105	LIVE	1460	Glochidion spp.	5.2	32	25	3	103.6	3.3
1	104	LIVE	1460	Glochidion spp.	8.4	32	45	3	242.9	7.8
4	126	LIVE	1460	Glochidion spp.	3.3	25	15	4	27.4	0.9
4	136	DEAD	1810	Premna spp.	7.4	9	0	0	84.0	2.7

VEG report – all plots on FSM were selected here

## PNW - FIA Pacific Islands Inventory Database

Listing of data collected in the Vegetation Profile sample on the plot.

Island: **Federated States of Micronesia**

Plot number: **1038**

County: **Chuuk**

Condition class: **1**

Measured in: March 2006 SLOPE (percent): 40 ASPECT (degrees): 350

Type of land: Accessible forest land

Unreserved

OWNER: Private, Individual

Forest type: Agroforestry

Stand size: Stands with tree diameters predominantly 5-10.9 in.

Stand age: 55

Disturbance found? None found

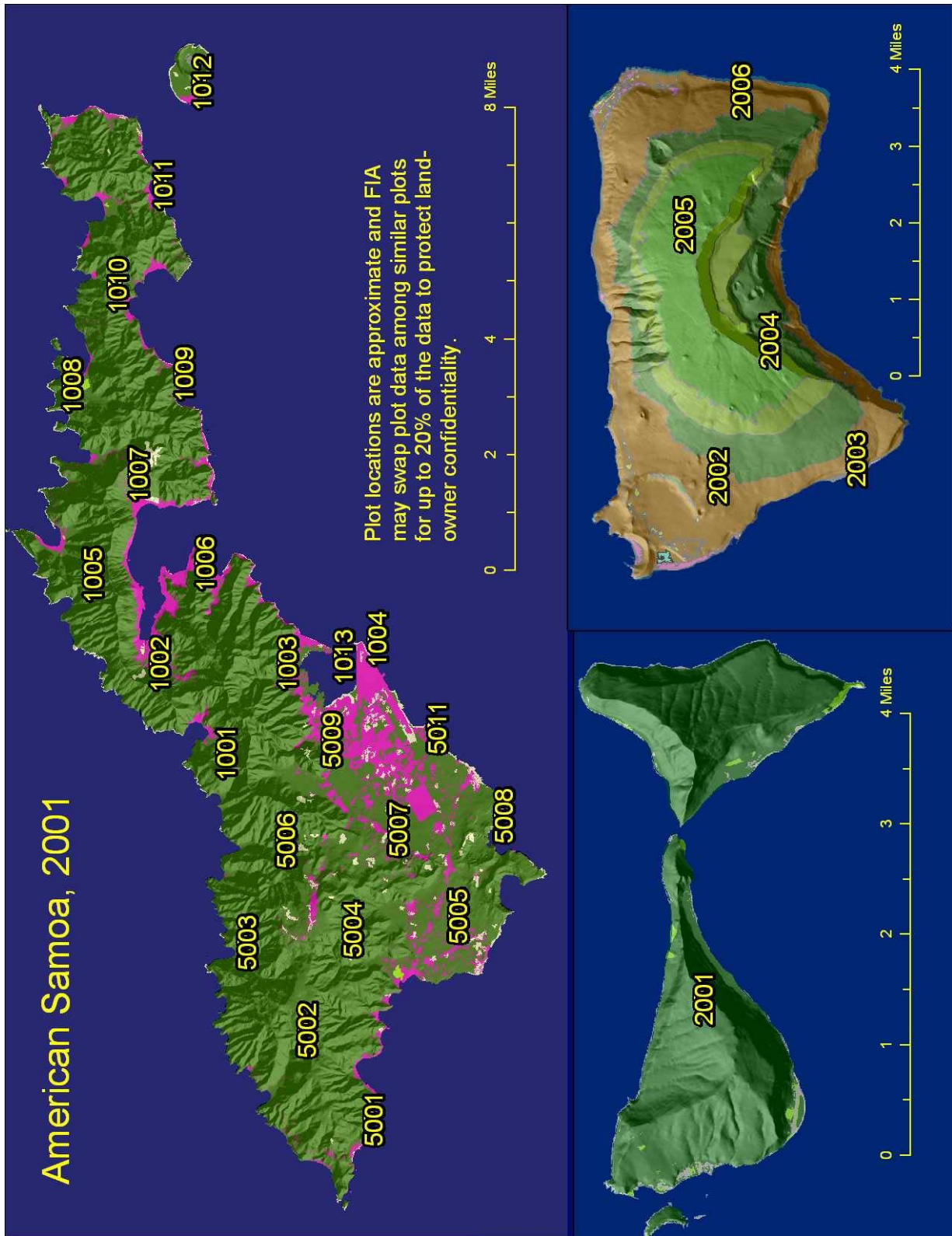
### Vegetation Profile Data

Note: The same profile applies to all conditions on the plot

Sub plot	Slope (%)	Aspect (degrees)	Species Code	Scientific Name	Canopy Cover Total (%)	Canopy Cover Layer1,2 (%)	Canopy Cover Layer 3 (%)	Canopy Cover Layer 4 (%)
4	60	330	ABUT1	Abutilon sp.	10	10	0	0
1	25	2	ACALAN	Acalypha lanceolata	6	6	0	0
3	30	95	ACALAN	Acalypha lanceolata	8	8	0	0
4	60	330	ACALAN	Acalypha lanceolata	20	20	0	0
4	60	330	ALMA11	Alocasia macrorrhizos	3	3	0	0
2	60	350	BLPY	Blechum pyramidatum	3	3	0	0
2	60	350	CHOD	Chromolaena odorata	2	2	0	0
1	25	2	DEEL3	Derris elliptica	25	25	0	0
2	60	350	DEEL3	Derris elliptica	5	5	0	0
3	30	95	DEEL3	Derris elliptica	8	8	0	0
4	60	330	DEEL3	Derris elliptica	3	3	0	0
3	30	95	DIOSC	Dioscorea sp.	10	10	0	0
4	60	330	DIOSC	Dioscorea sp.	6	6	0	0
2	60	350	MAES	Manihot esculenta	15	15	0	0
3	30	95	MERPEL	Merremia peltata	8	8	0	0
4	60	330	MERPEL	Merremia peltata	70	70	0	0
3	30	95	NEPHR	Nephrolepis sp.	3	3	0	0
1	25	2	OPLIS	Oplismenus sp.	10	10	0	0
3	30	95	OPLIS	Oplismenus sp.	15	15	0	0
2	60	350	PACO14	Paspalum conjugatum	5	5	0	0
3	30	95	PACO14	Paspalum conjugatum	6	6	0	0
2	60	350	FORB	Unknown Forb	0	0	0	0
3	30	95	FORB	Unknown Forb	0	0	0	0

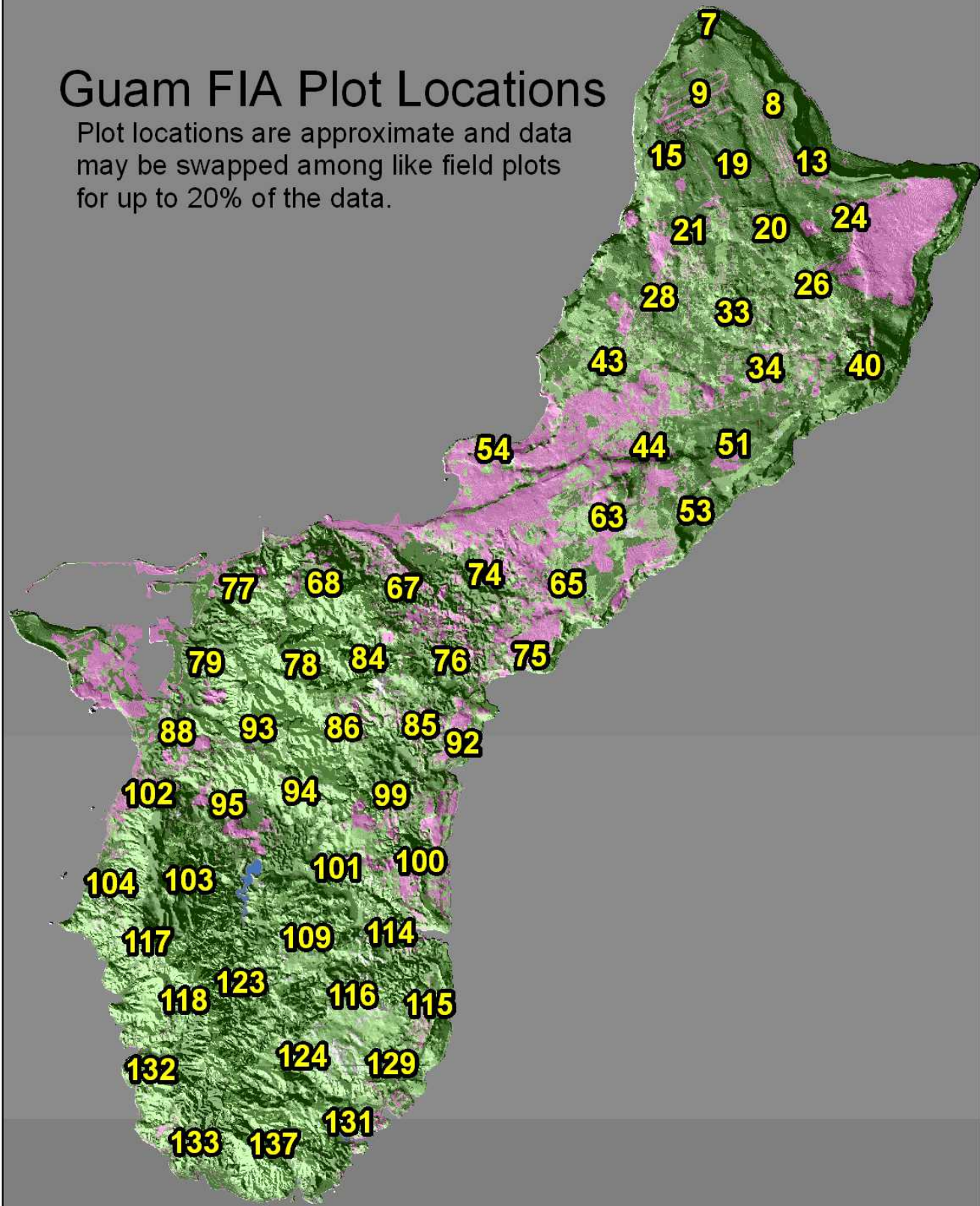


## Appendix B—Island maps with approximate plot locations.



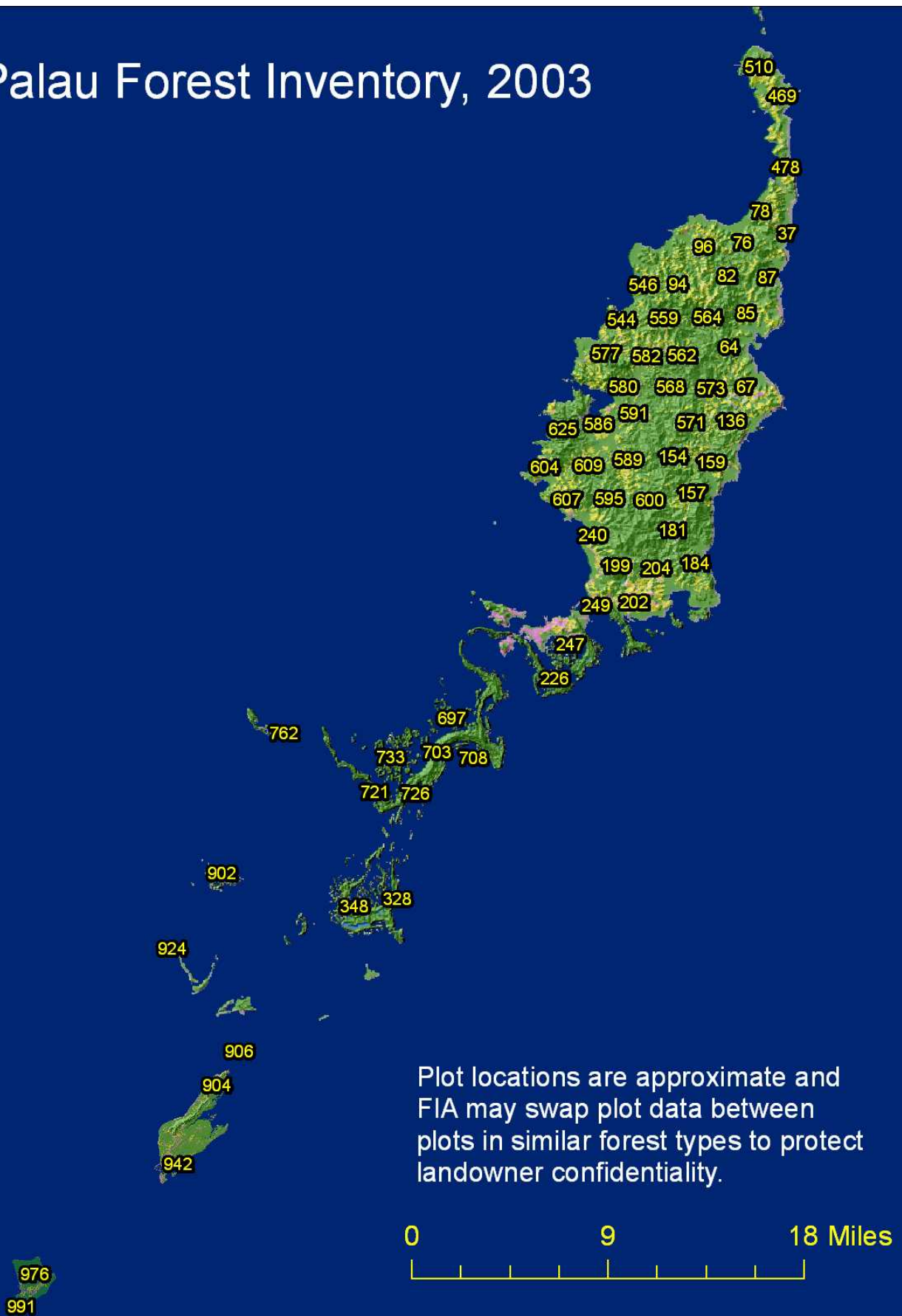
# Guam FIA Plot Locations

Plot locations are approximate and data may be swapped among like field plots for up to 20% of the data.



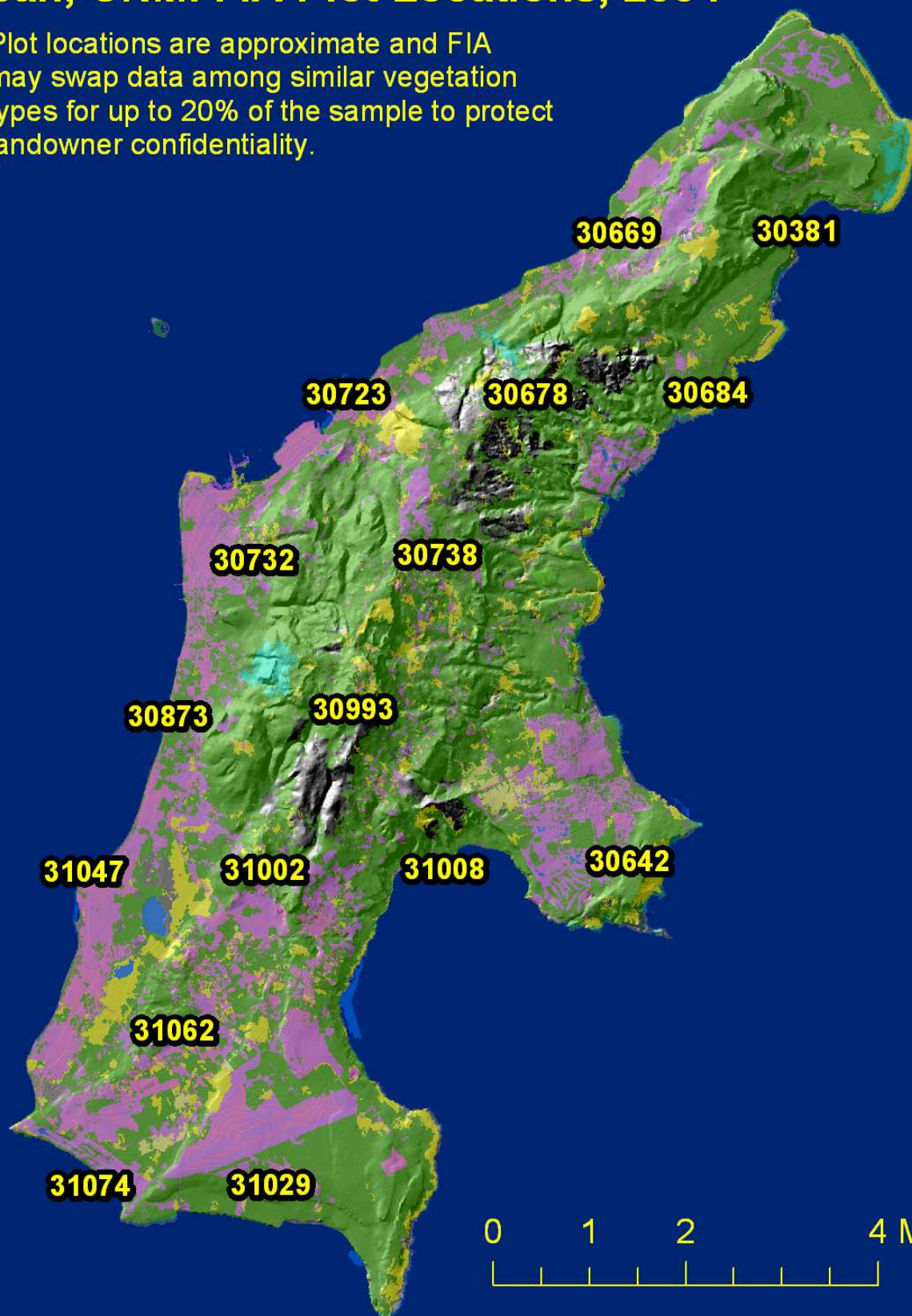


# Palau Forest Inventory, 2003



# Saipan, CNMI FIA Plot Locations, 2004

Plot locations are approximate and FIA may swap data among similar vegetation types for up to 20% of the sample to protect landowner confidentiality.





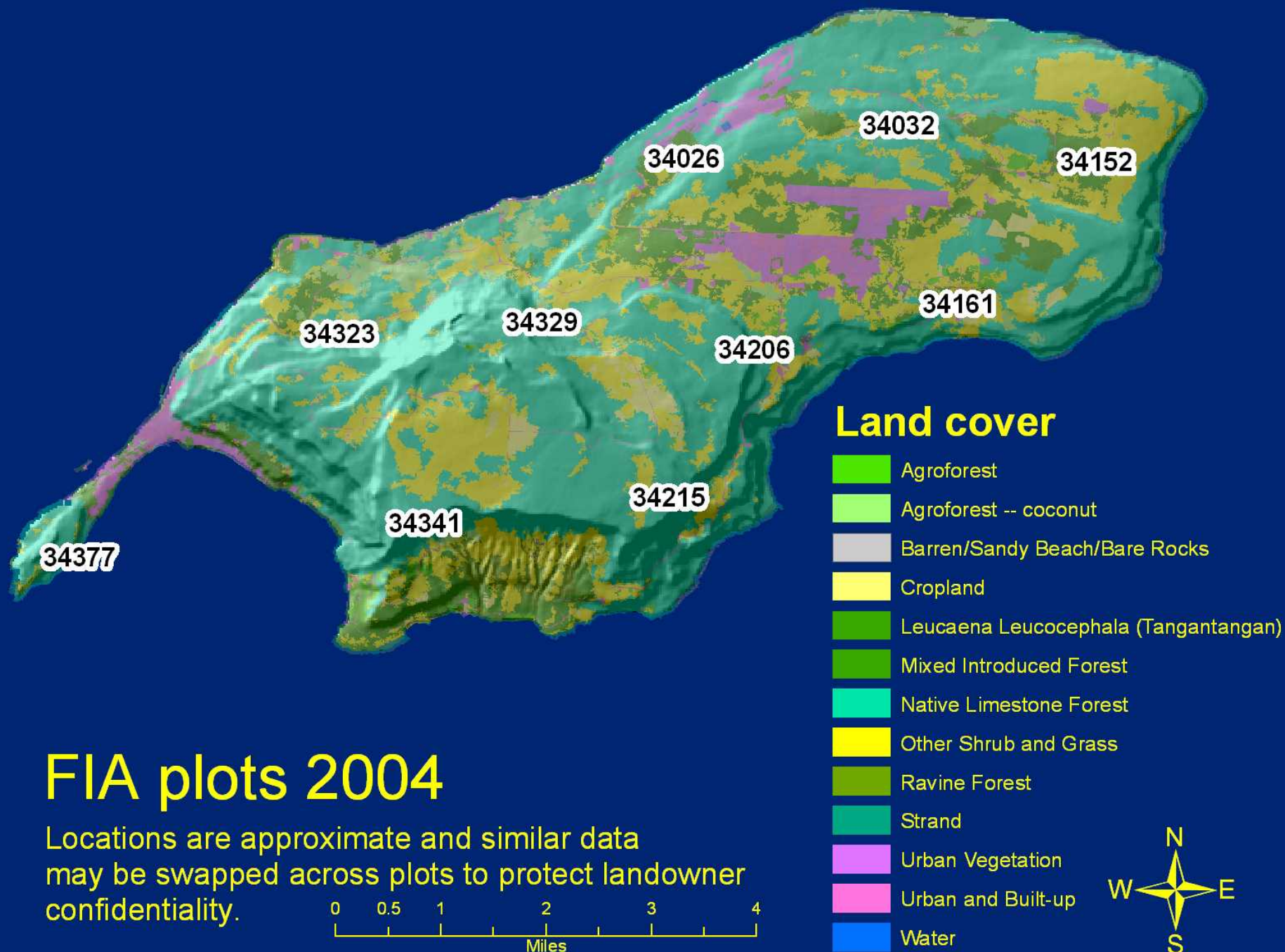
## Tinian, CNMI FIA Plot Locations, 2004

Plot locations are approximate and FIA may swap data among similar vegetation types for up to 20% of the sample to protect landowner confidentiality.



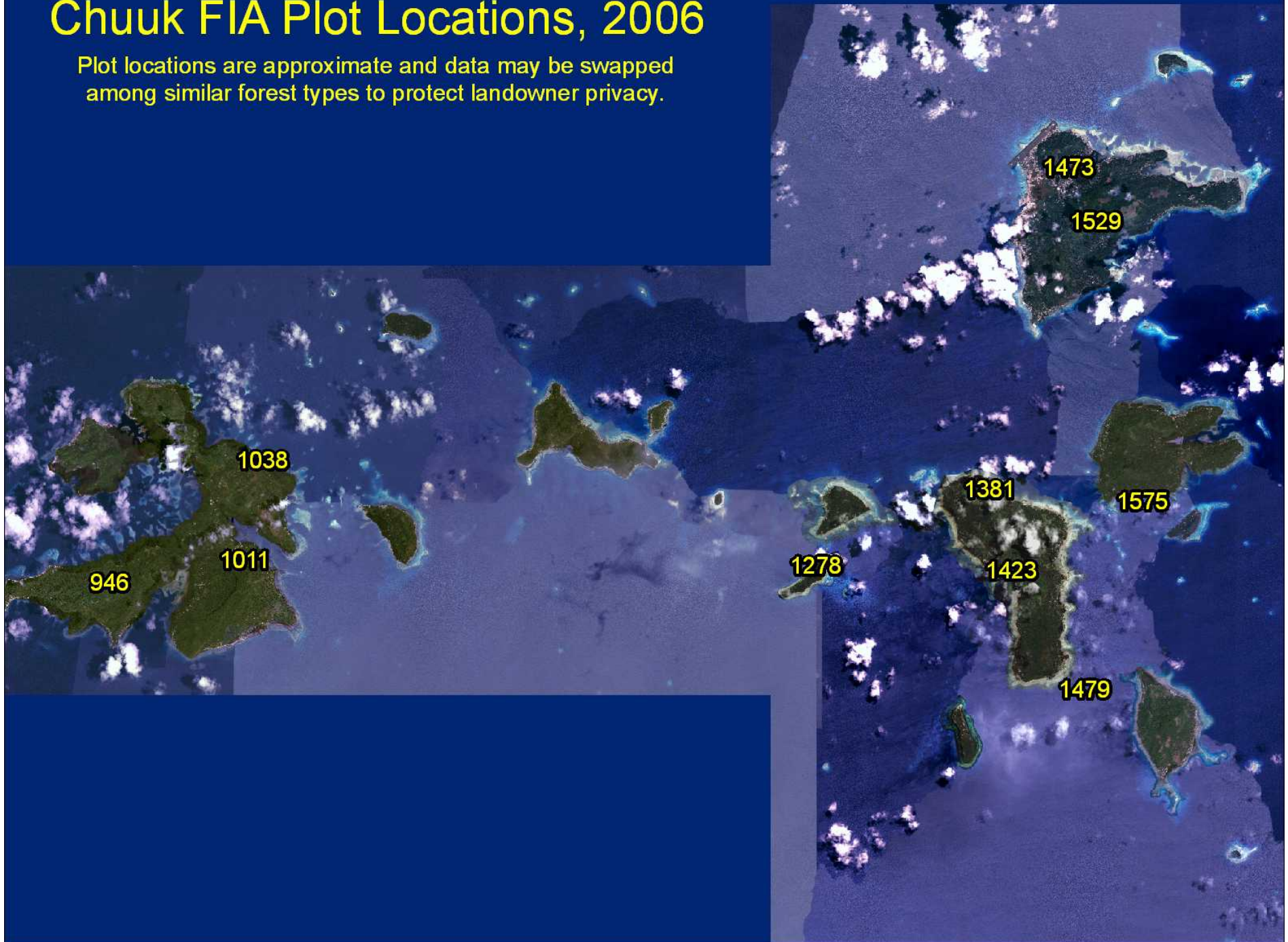
0 1 2 4 Miles





# Chuuk FIA Plot Locations, 2006

Plot locations are approximate and data may be swapped among similar forest types to protect landowner privacy.

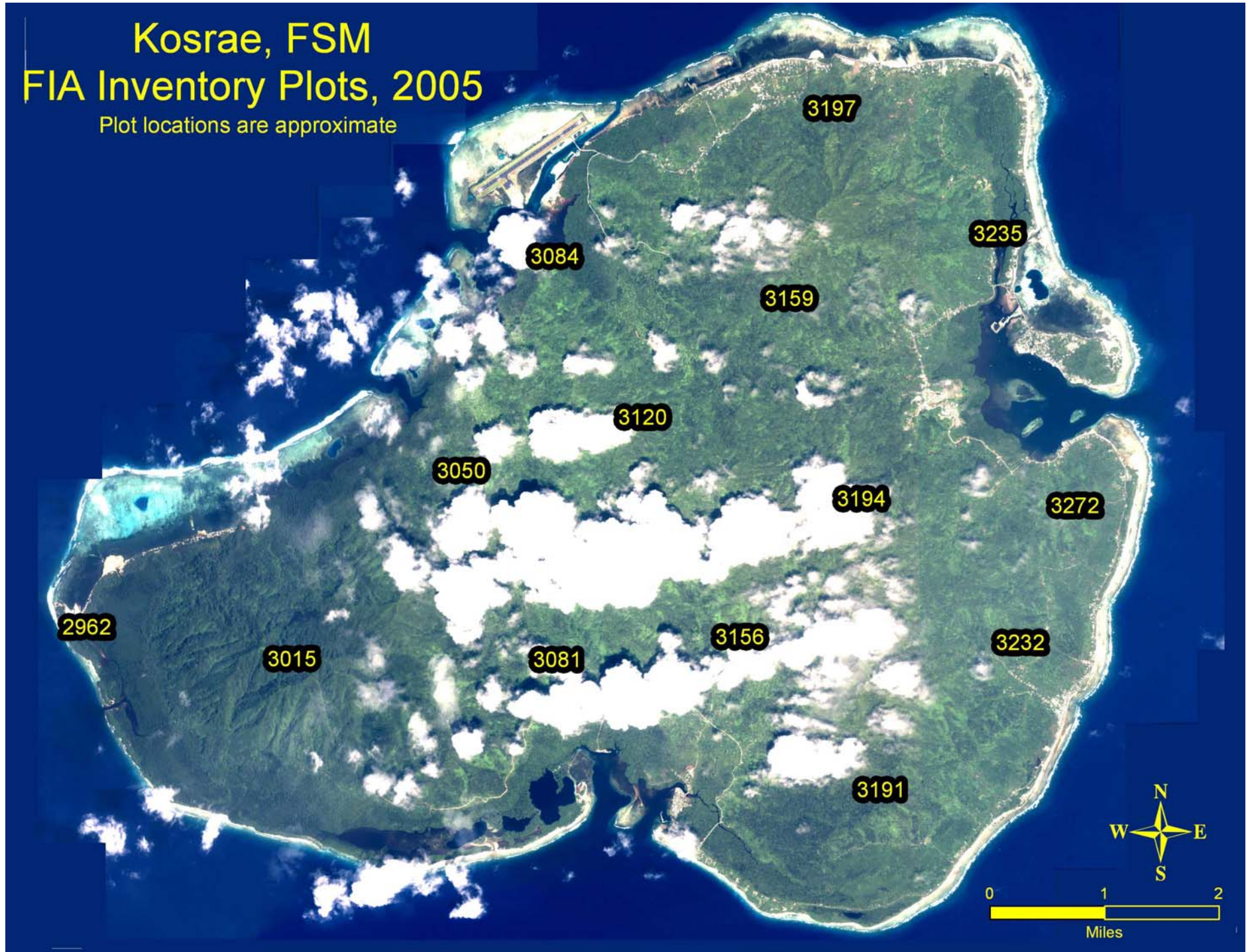




# Kosrae, FSM

## FIA Inventory Plots, 2005

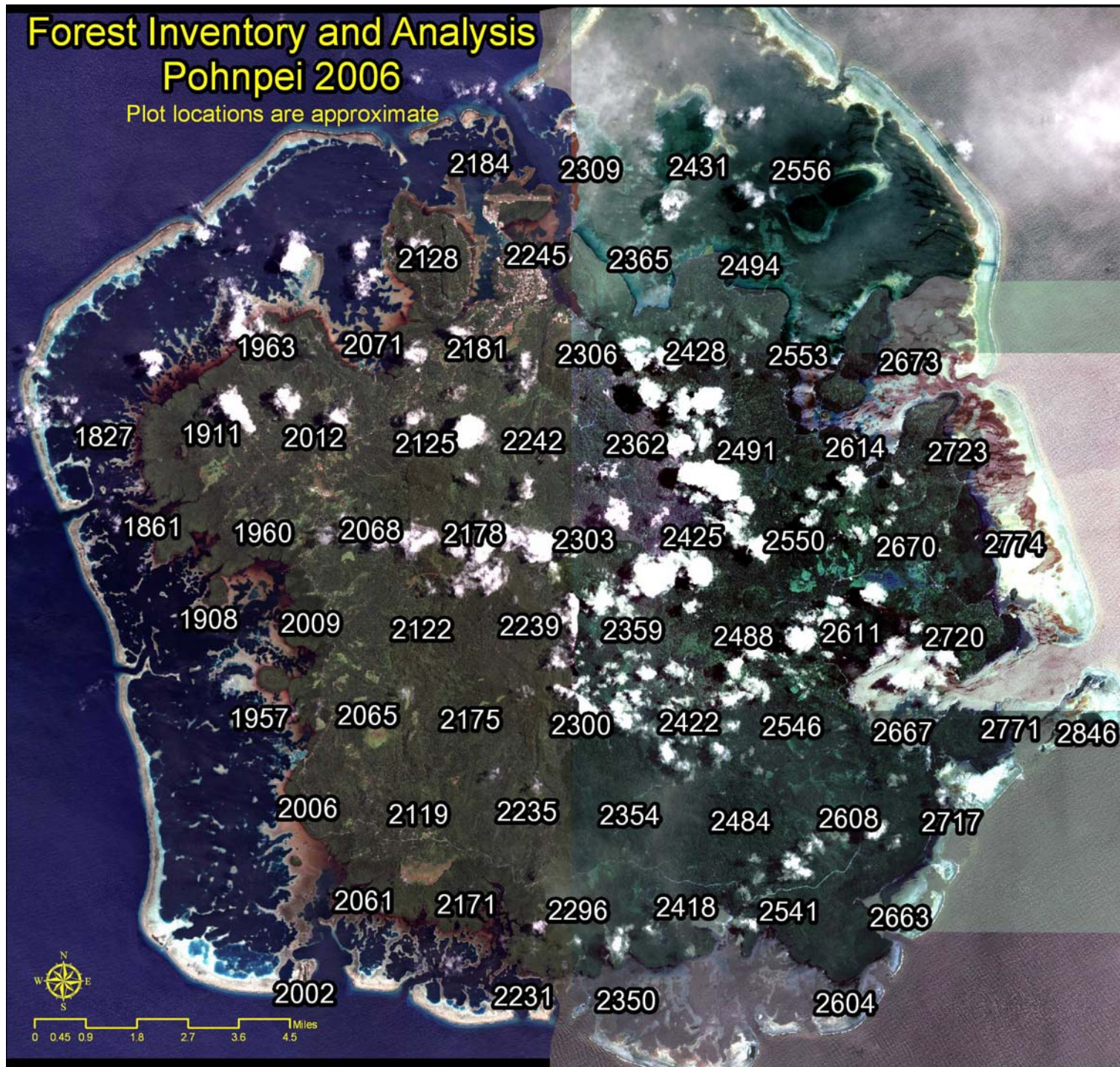
Plot locations are approximate





# Forest Inventory and Analysis Pohnpei 2006

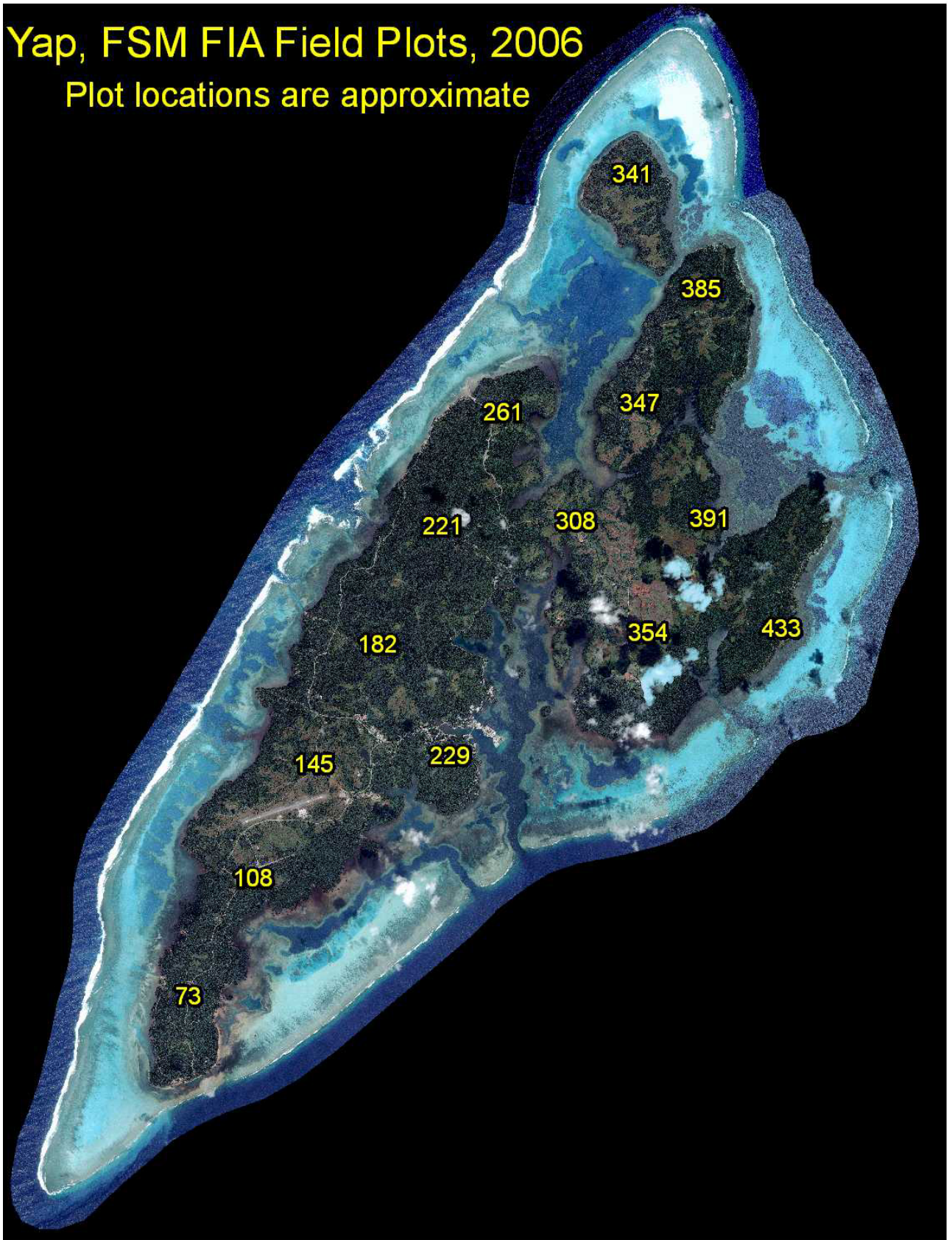
Plot locations are approximate





# Yap, FSM FIA Field Plots, 2006

Plot locations are approximate

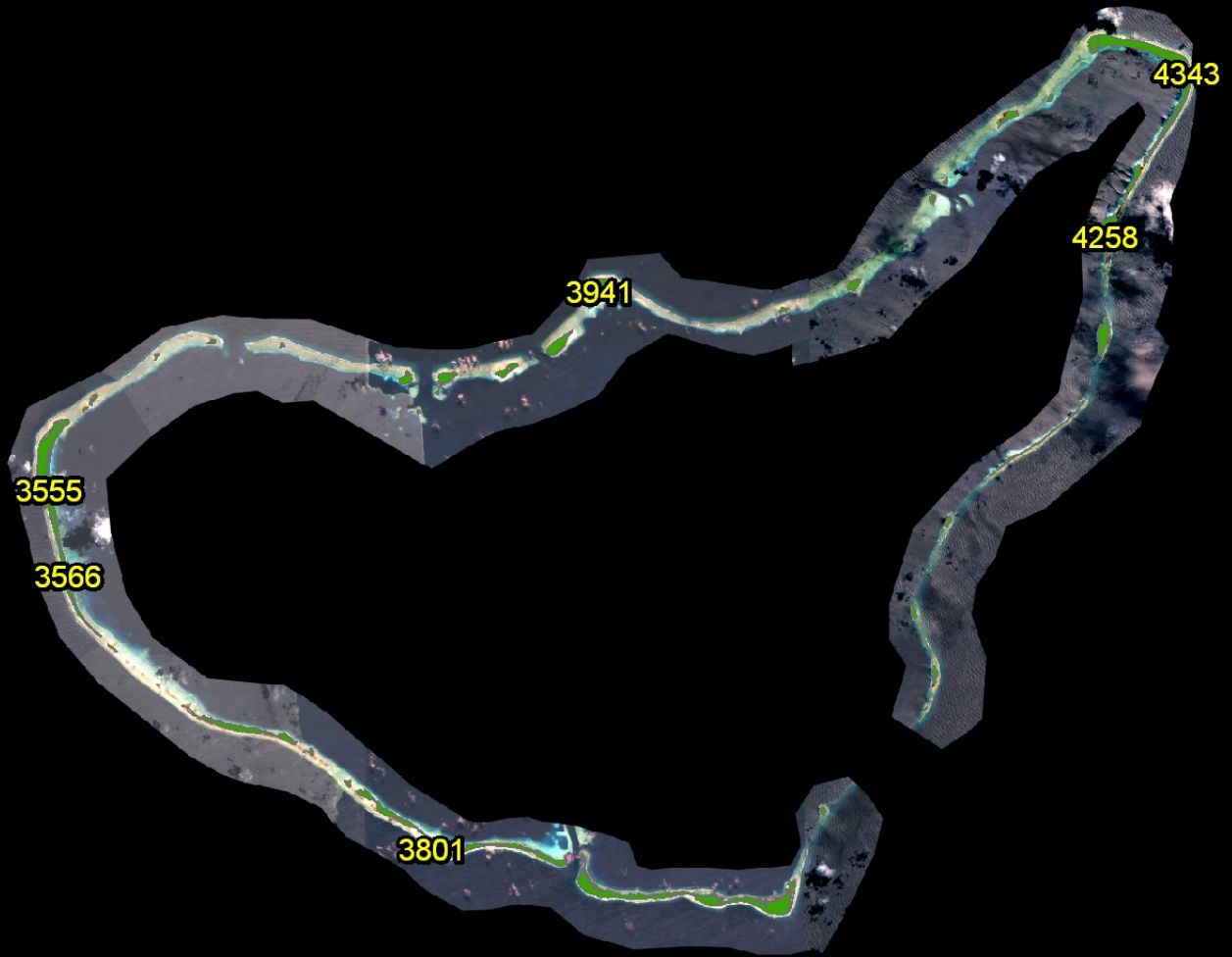




# Republic of the Marshall Islands

## Forest Inventory and Analysis Field Plots, 2008

Plot locations are approximate to within +/- 1 mile to protect landowner confidentiality. Plot information may be swapped among similar plots for up to 20% of the full sample.



## Ailinglaplap

0 10 20 Miles



# Republic of the Marshall Islands

## Forest Inventory and Analysis Field Plots, 2008

Plot locations are approximate to within +/- 1 mile to protect landowner confidentiality. Plot information may be swapped among similar plots for up to 20% of the full sample.



**Arno**

0 10 20 Miles

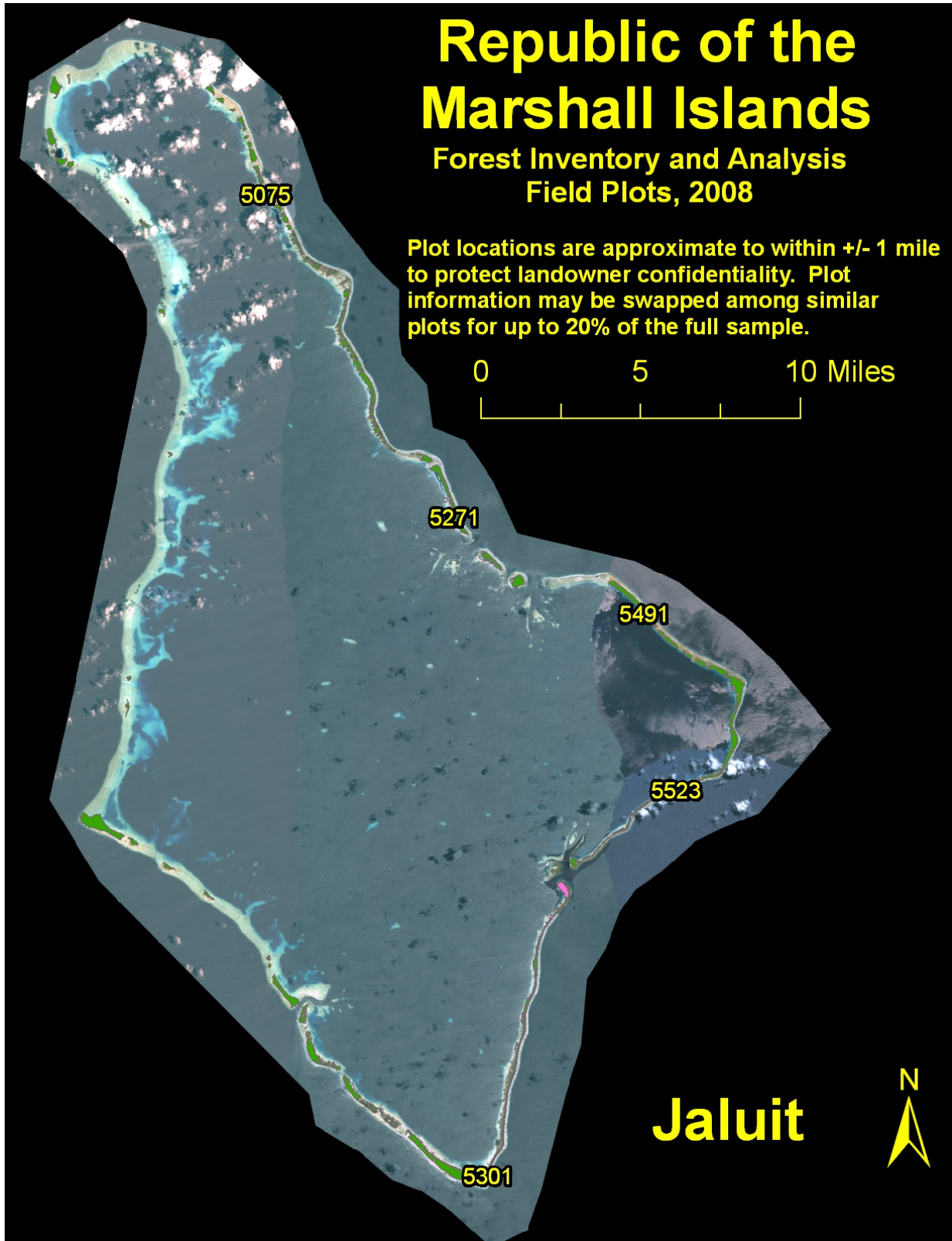


# Republic of the Marshall Islands

## Forest Inventory and Analysis Field Plots, 2008

Plot locations are approximate to within +/- 1 mile to protect landowner confidentiality. Plot information may be swapped among similar plots for up to 20% of the full sample.

0 5 10 Miles



# Republic of the Marshall Islands

## Forest Inventory and Analysis Field Plots, 2008

Plot locations are approximate to within  $\pm 1$  mile to protect landowner confidentiality. Plot information may be swapped among similar plots for up to 20% of the full sample.



## Kwajalein

0 20 40 Miles



# Republic of the Marshall Islands

## Forest Inventory and Analysis Field Plots, 2008

Plot locations are approximate to within  $\pm 1$  mile to protect landowner confidentiality. Plot information may be swapped among similar plots for up to 20% of the full sample.



**Likiep**

0 10 20 Miles

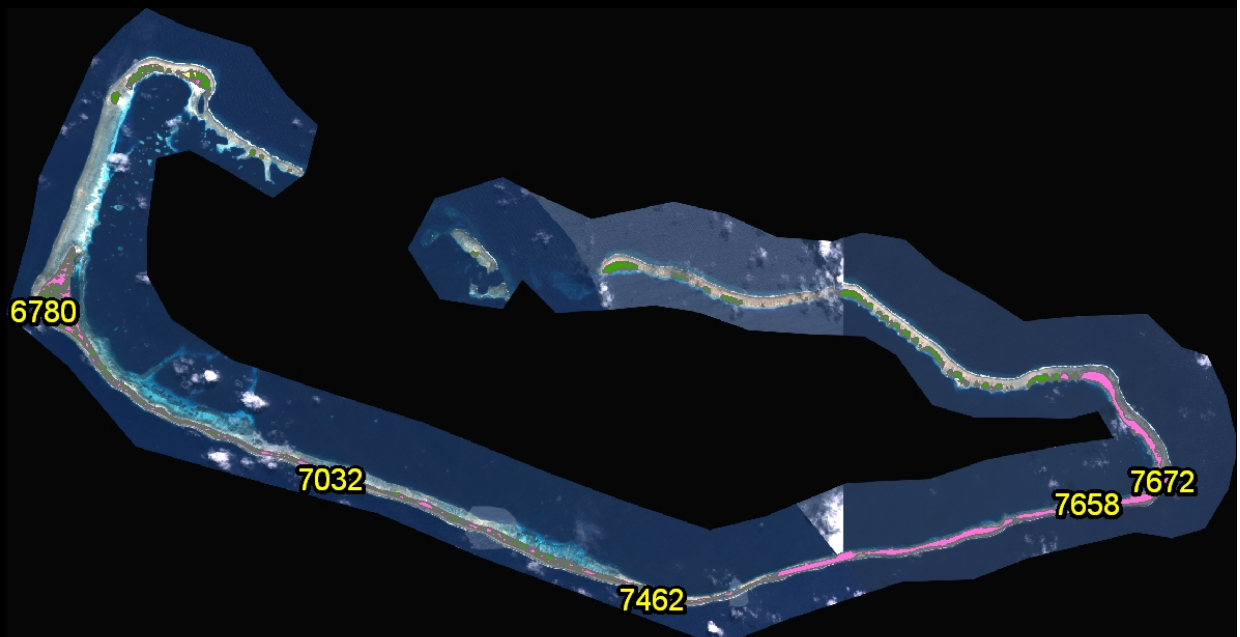




# Republic of the Marshall Islands

## Forest Inventory and Analysis Field Plots, 2008

Plot locations are approximate to within +/- 1 mile to protect landowner confidentiality. Plot information may be swapped among similar plots for up to 20% of the full sample.



**Majuro**

0

10

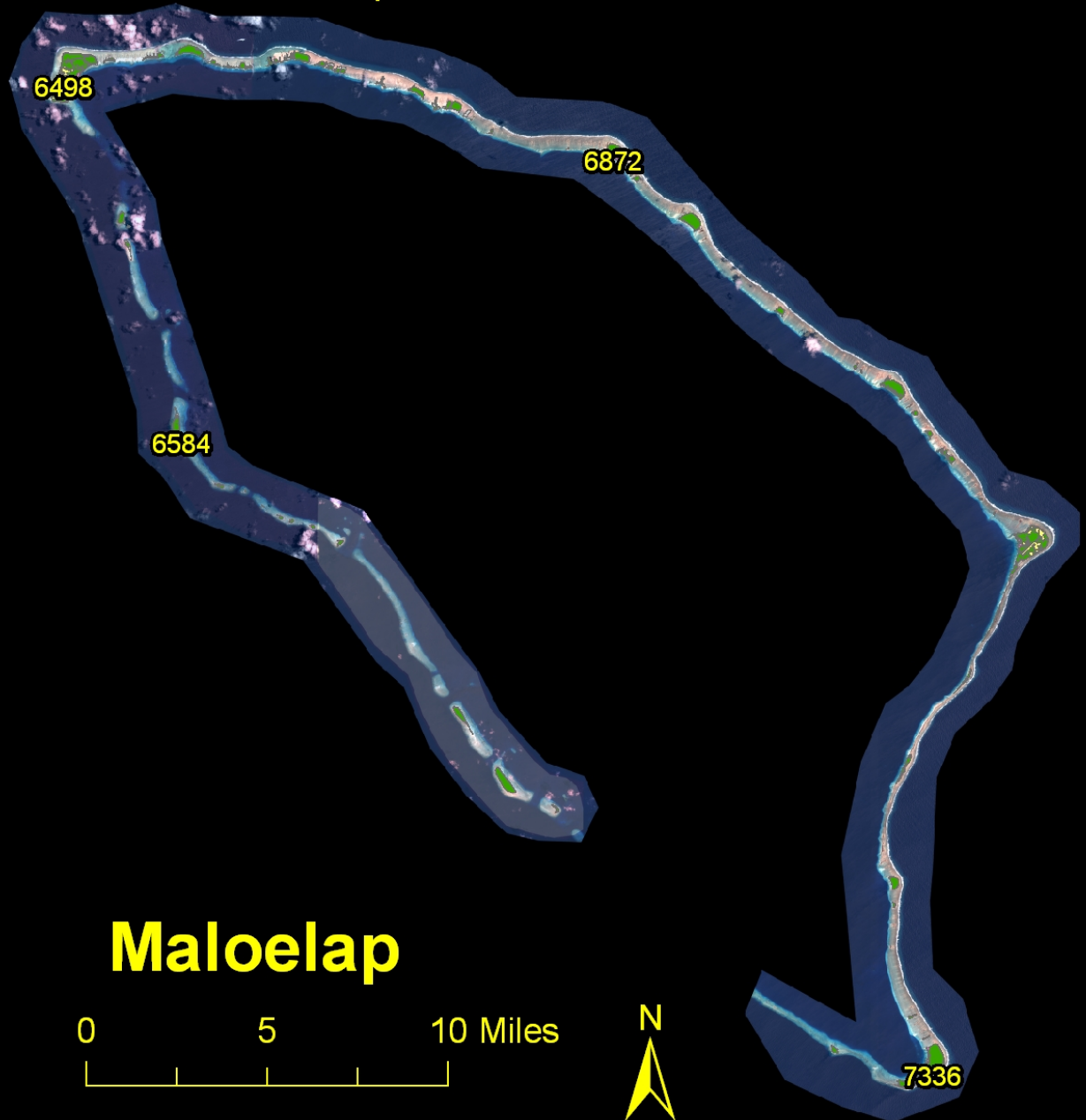
20 Miles



# Republic of the Marshall Islands

## Forest Inventory and Analysis Field Plots, 2008

Plot locations are approximate to within +/- 1 mile to protect landowner confidentiality. Plot information may be swapped among similar plots for up to 20% of the full sample.



# Republic of the Marshall Islands

## Forest Inventory and Analysis Field Plots, 2008

Plot locations are approximate to within +/- 1 mile to protect landowner confidentiality. Plot information may be swapped among similar plots for up to 20% of the full sample.



**Mili**

0 10 20 Miles



# Republic of the Marshall Islands

## Forest Inventory and Analysis Field Plots, 2008

Plot locations are approximate to within +/- 1 mile to protect landowner confidentiality. Plot information may be swapped among similar plots for up to 20% of the full sample.



**Rongelap**

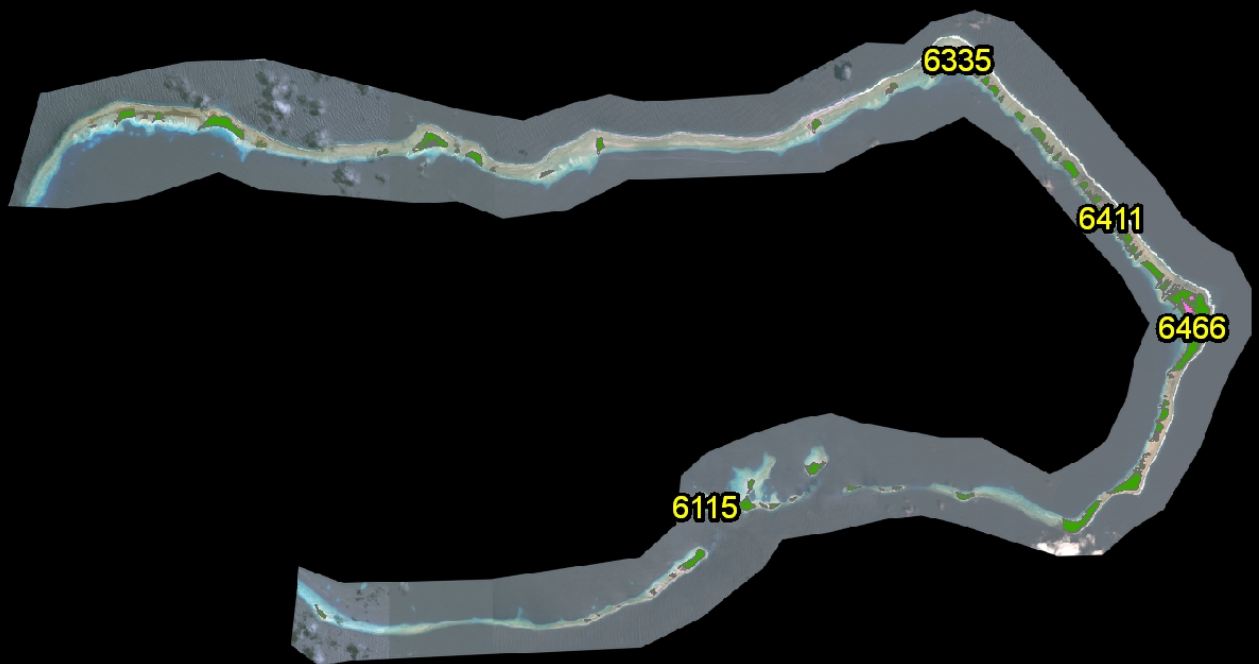
0 10 20 Miles



# Republic of the Marshall Islands

## Forest Inventory and Analysis Field Plots, 2008

Plot locations are approximate to within +/- 1 mile to protect landowner confidentiality. Plot information may be swapped among similar plots for up to 20% of the full sample.



**Wotje**

0 10 20 Miles

