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Vegetation Survey of the Republic of Palau

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Cover: Upland forest surrounding a water reservoir which supplies water to the city of Koror, Island of Babelthuap, Republic of Palau.

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INTRODUCTION

Palau is an archipelago of high and low islands located in the western Caroline Islands. The largest island in the group is the heavily forested high island of Babelthuap. Knowledge of the soils and the extent and composition of Palau's vegetation, including the forests, is needed for land-use planning. To fill this need, a formal agreement was drawn up between the High Commissioner of the Trust Territory of the Pacific Islands, and two agencies of the U.S. Department of Agriculture—the Soil Conservation Service and the Forest Service.

Vegetation maps of Palau are a product of this agreement. They were prepared by the Forest Service in cooperation with the government of Palau, and are intended to serve as a working tool for natural resource managers and as a base for resource inventories.

This bulletin describes the different vegetation types, their ecological function and uses for 42 islands in Palau, and includes 17 map sections inside the back cover.

GEOGRAPHY AND CLIMATE

The Republic of Palau, lat. 7°20' N and long. 134°28' E, is located at the extreme western edge of the Caroline Islands. The archipelago lies about 800 km (500 statute mi) north of the equator, 800 km east of the Philippine Islands, and 6,000 km (3,750 statute mi) southwest of Hawaii (*fig. 1*). The island group consists of four volcanic high islands and approximately 200 low and raised coral and coralline limestone islands.

Most of the Republic's usable forest resource is in the centrally

Figure 1—The Republic of Palau is located in the Western Caroline Islands.

located high island of Babelthuap (*tables 1 and 2, figs. 1, 2 and 3*). Babelthuap and the other high islands of the Republic—Malakal, Ngerekebesang, and Koror—(*table 3*) are characterized by low, rolling hills, coastal bottomlands, and tidal flats. Maximum elevation is about 215 m (700 ft).

Thirty-eight smaller islands were also surveyed during the project. Peleliu and Angaur, the two major islands to the south, are raised coral islands with jagged hills and level coastal areas (*table 4*). Much of the native vegetation on these two islands was destroyed during World War II, although remnants of limestone forest can still be found in the hills. Secondary vegetation, commonly found after disturbance, grows on 50 percent of the land area of Peleliu and on 68 percent of Angaur.

The famed Rock Islands of Palau are extremely steep, coralline limestone islands, typically undercut along the water's edge. They occupy the area from Koror Island south to the island

of Peleliu. We actually surveyed only one-fifth of the Rock Islands due to incomplete aerial photography. A summary of the vegetation found on 35 Rock Islands is found in *table 5* and a detailed breakdown by island and state, in *table 6A-C*.

Palau is hot and humid. The mean annual temperature of Koror, the capitol, is 27 °C (81 °F), with a mean annual rainfall of 3,730 mm (147 in). Rainfall varies little from month to month—February, March, and April are slightly drier than average. Relative humidity of the area averages about 90 percent at night and from 75 to 80 percent during the day. The average diurnal range of temperatures is 7 °C (12 °F). Although Palau lies outside the main paths of severe tropical disturbances and typhoons, such storms with high winds occasionally hit the islands, causing damage to crops, trees, and dwellings. In March 1967, the most destructive storm recorded struck with winds of 117 kph (73 mph).

Table 1—Area of Republic of Palau by island group, land class and type, 1979

Land class and type	Symbol	Island Group				Total
		Babel- thuap	Other high islands	Coral Islands	Rock Islands	
<i>Hectares (acres)</i>						
Forest						
Upland forest	UP	21,690	201	0	0	21,891 (54,093)
Swamp forest	SW	1,617	15	47	1	1,680 (4,151)
Mangrove forest	MN	4,025	205	435	43	4,708 (11,633)
Plantation forest	PF	24	2	0	0	26 (64)
Rock Island forest	RI	104	210	0	802	1,116 (2,758)
Limestone forest	LI	0	0	1,175	57	1,232 (3,044)
Casuarina forest	CA	0	0	451	0	451 (1,114)
Atoll forest	AT	0	0	97	58	155 (383)
Palm forest	PO	0	<1	0	0	<1 (1)
Total forest		27,460	633	2,205	961	31,259 (77,241)
Secondary vegetation	SV	515	79	131	2	727 (1,796)
Agroforest						
Agroforest	AG	8	0	2	6	16 (40)
Agroforest (w/coconut)	AG.CO	173	6	100	0	279 (689)
Coconut plantation	CO	743	0	0	71	814 (2,011)
Total agroforest		924	6	102	77	1,109 (2,740)
Nonforest						
Marsh, fresh	M.F	448	<1	27	0	475 (1,174)
Marsh, cultivated	M.C	107	2	25	0	134 (331)
Marsh, saline	M.S	0	0	25	<1	25 (62)
Grassland	G	6,728	53	1	1	6,783 (16,761)
Strand	S	0	0	10	1	11 (27)
Cropland	C	140	59	4	0	203 (502)
Cropland/secondary vegetation	C/SV	0	28	0	0	28 (69)
Urban	U	141	222	33	1	397 (981)
Urban/cropland	U/C	106	70	0	0	176 (435)
Urban/agroforest	U/A	0	0	61	0	61 (151)
Urban/secondary vegetation	U/SV	0	3	0	0	3 (70)
Barren	B	149	5	26	0	180 (445)
Water	W	15	9	17	7	48 (119)
Total nonforest		7,834	451	229	10	8,524 (21,063)
Total area		36,733	1,169	2,667	1,050	41,619 (102,840)

Table 2—Area of forest land, by size and density classes, Babelthup Island, Republic of Palau, 1979

Type	Size class ¹	Density classes ²			Total
		Low	Medium	High	
		<i>Hectares (acres)</i>			
Upland Forest	0	0	6	639	645 (1,593)
Upland Forest	1	246	424	15,791	16,461 (40,677)
Upland Forest	2	3	638	3,943	4,584 (11,326)
Swamp Forest	0	0	2	2	4 (9)
Swamp Forest	1	357	705	347	1,409 (3,481)
Swamp Forest	2	88	65	51	204 (505)
Mangrove	0	0	0	459	459 (1,134)
Mangrove	1	5	0	3,395	3,400 (8,401)
Mangrove	2	0	0	166	166 (411)
Rock Island Forest	1	0	0	103	103 (255)
Rock Island Forest	2	0	0	1	1 (2)
Plantation Forest	1	0	0	24	24 (60)
Total forest land		699	1,840	24,921	27,460 (67,854)

¹0—Short, shrub-like trees smaller than 12.5 cm in d.b.h.

1—Trees averaging less than 30 cm in d.b.h., but larger than 12.5 cm in d.b.h.

2—Trees averaging 30 cm or more in d.b.h.

²Crown closure of main canopy: low <30 pct; medium 30-70 pct; high >70 pct.

Figure 2—Areal percentages of land classes, Republic of Palau, in 1979.

Figure 3—Areal percentages of land classes, Republic of Palau in 1979 show that the forest class is by far the largest. Eighty-six percent of the nonforest class or 18 percent of the total land area of Babelthup Island is grassland.

Figure 4—Percentages of land area in the major forest types, Babelthup Island, Republic of Palau, 1979. The plantation and Rock Island forest types comprise less than 1 percent of the total area.

Table 3—Area of the high islands of Koror, Malakal, and Ngerekebesang, Republic of Palau, by island, land class, and type, 1979

Land class and type	Symbol	Island			Total
		Koror	Malakal	Ngerekebesang	
		<i>Hectares (acres)</i>			
Forest					
Upland forest	UP	56	26	119	201 (497)
Swamp forest	SW	15	0	0	15 (37)
Mangrove forest	MN	189	0	16	205 (507)
Plantation forest	PF	2	0	0	2 (5)
Rock Island forest	RI	206	3	1	210 (519)
Palm forest	PO	<1	0	0	<1 (1)
Total forest		468	29	136	633 (1,564)
Secondary vegetation	SV	54	11	14	79 (195)
Agroforest					
Agroforest (w/coconut)	AG.CO	0	0	6	6 (15)
Total agroforest		0	0	6	6 (15)
Nonforest					
Marsh, fresh	M.F	0	0	<1	<1 (1)
Marsh, cultivated	M.C	2	0	0	2 (5)
Grassland	G	9	2	42	53 (131)
Cropland	C	47	0	12	59 (146)
Cropland/secondary vegetation	C/SV	28	0	0	28 (69)
Urban	U	146	38	38	222 (548)
Urban/cropland	U/C	70	0	0	70 (173)
Urban/secondary vegetation	U/SV	3	0	0	3 (7)
Barren	B	0	5	0	5 (12)
Water	W	9	<1	0	9 (22)
Total nonforest		314	45	92	451 (1,114)
Total area		836	85	248	1,169 (2,888)

SURVEY METHODS

Palau's vegetative types were identified and delineated on photographs taken in 1976, at a scale of 1:10,000. The minimum area mapped during the project was 0.4 ha (1 acre). Updating the photos to account for recent changes was not possible. Field work in 1985, however, showed that the vegetation maps are fairly accurate.

Vegetation types were identified by examining the photos stereoscopically for differences in tone, texture, and pattern. In some cases, individual species were recognized by their distinctive shapes. The accuracy of the vegetative typing depended on the age and quality of the photographs, the skill and training of the photo interpreter, and on comparisons of potential types to actual field characteristics.

Before mapping could begin, a vegetative mapping scheme was needed. Since much of the islands are inaccessible by road

and because funds were limited, the types defined were restricted to those easily interpreted without intensive ground checking. Type characteristics delineated were limited to those useful to foresters and land-use planners.

After field reconnaissance, the vegetation coding system presented in this bulletin was adopted. The photos were then edited and sent to the Engineering Geomtronics Section of the Forest Service's Pacific Southwest Regional Office, for transfer to base maps and for measurement of type areas.

TYPE CLASSIFICATIONS

For mapping purposes, the islands of Palau were divided into four major land classes—forest, secondary vegetation, agroforest, and nonforest.

Table 4—Area of the coral islands of Peleliu, Angaur, Kayangel, Republic of Palau, by island, land class, and type, 1979

Land class and type	Symbol	Island			Total
		Peleliu	Anguar	Kayangel	
		————— <i>Hectares (acres)</i> —————			
Forest					
Swamp forest	SW	38	9	0	47 (116)
Mangrove forest	MN	435	0	0	435 (1,075)
Limestone forest	LI	587	588	0	1,175 (2,903)
Casuarina	CA	404	47	0	451 (1,114)
Atoll	AT	1	51	45	97 (240)
Total forest		1,465	695	45	2,205 (5,448)
Secondary vegetation	SV	96	31	4	131 (324)
Agroforest					
Agroforest	AG	2	0	0	2 (5)
Agroforest (w/coconut)	AG.CO	0	0	100	100 (247)
Total agroforest		2	0	100	102 (2,298)
Nonforest					
Marsh, fresh	M.F	27	0	0	27 (67)
Marsh, cultivated	M.C	16	9	0	25 (63)
Marsh, saline	M.S	25	0	0	25 (63)
Grassland	G	0	<1	1	1 (3)
Strand	S	2	0	8	10 (25)
Cropland	C	3	0	1	4 (10)
Urban	U	26	7	<1	33 (82)
Urban/agroforest	U/C	10	51	0	61 (151)
Barren	B	13	13	0	26 (64)
Water	W	13	4	<1	17 (42)
Total nonforest		135	84	10	229 (566)
Total area (coral islands)		1,698	810	159	2,667 (6,590)

Forest—The forest class consists of eight types of areas vegetated with live trees. The Rock Island forest type is a subtype of limestone forest.

Upland forest (UP)

Swamp forest (SW)

Mangrove forest (MN)

Atoll forest (AT)

Casuarina forest (CA)

Limestone forest (LI)

Rock Island forest subtype (RI)

Plantation forest (PF)

Palm forest (PO)

Secondary vegetation (SV)—Secondary vegetation includes vines, shrubs, and small trees on recently disturbed areas. In Palau, *Macaranga carolinensis* and *Bambusa* spp. are important components of secondary vegetation.

Agroforest (AG)—The agroforest class is made up of areas under cultivation for fruit and other food crops, and trees and wood products. Primary types in this class are:

Agroforest with coconuts (AG.CO)

Coconut plantation (CO)

Nonforest—Nonforest areas consist of lands that have never supported forests or are currently developed for nonforest uses. Seven types are included:

Marsh (M)

Grassland or savanna (G)

Strand (S)

Cropland (C)

Urban (U)

Barren (B)

Water (W)

The forest class and coconut plantation type were further subdivided into size and density classes (table 2), identified by these codes:

Code	Size class
0	Short, shrub-like stands smaller than 12.5 cm (5 in) in diameter at breast height (d.b.h.)
1	Trees averaging less than 30 cm (12 in) in d.b.h., but larger than or equal to 12.5 cm (5 in) in d.b.h.
2	Trees averaging 30 cm (12 in) or more in d.b.h.
Code	Density class
H	High—crown closure of main canopy greater than 70 percent.
M	Medium—crown closure of main canopy between 30 and 70 percent.
L	Low—crown closure of main canopy less than 30 percent.

On the folded maps, vegetative areas are numbered and identified by symbols in the legend. In each code, the vegetation type is shown first, followed by the size class and density class. For example, MN1H would indicate mangrove between 12.5 cm (5 in) and 30 cm (12 in) in diameter with a dense crown closure. Where possible, predominant species are identified. In such cases, the type code is followed by a period, followed by the first letter of the genus name, as in MN1H.S when *Sonneratia* makes up at least 20 percent of the mangrove stand. Occasionally, two-storied stands have been identified, usually with a sparse main canopy and an understory of secondary vegetation. For example, UP2L/SV.H would indicate a scattered overstory of upland species overtopping secondary vegetation (table 7) that is at least 20 percent *Hibiscus*.

VEGETATION TYPE DESCRIPTIONS

A detailed description of the primary types found in each of the major land classes is listed below. Classes are described by habitat and major overstory and understory species. A partial list of Palauan plant species is presented in table 8.

Forest

Although the Palauan islands at one time may have been completely covered with native forest, they are now only 75 percent forest. Most of the remaining land is classed as grassland, agro-

Table 5—Area of selected Rock Islands, Republic of Palau, by State, land class, and type. 1979

Land class and type	Symbol	State				Total
		Airai	Koror	Ngere- chelong	Peleliu	
<hr/> <i>Hectares (acres)</i> <hr/>						
Forest						
Rock Island forest	RI	191	593	0	18	802 (1,982)
Mangrove forest	MN	1	0	2	40	43 (106)
Limestone forest	LI	0	0	0	57	57 (141)
Swamp forest	SW	0	0	0	1	1 (2)
Atoll	AT	0	0	0	58	58 (143)
Total forest		192	593	2	174	961 (2,375)
Secondary vegetation	SV	2	0	0	0	2 (5)
Agroforest						
Agroforest	AG	0	0	0	6	6 (15)
Coconut	CO	0	0	6	65	71 (175)
Total agroforest		0	0	6	71	77 (190)
Nonforest						
Strand ¹	S	0	0	0	1	1 (2)
Urban	U	0	1	0	0	1 (2)
Grassland	G	0	1	0	0	1 (2)
Water	W	1	6	0	0	7 (17)
Total nonforest		1	8	0	1	10 (24)
Total area		195	601	8	246	1,050 (2,595)

¹Includes 0.4 ha of saline marsh.

forest, or secondary vegetation. Almost all of the agroforest and secondary vegetation was once forest land, but the origins of the grasslands are less sure. During the Japanese administration (1914–1945), large areas in southern Babelthuap were cleared of native forest for pineapple and sugar cane fields. During the same period, bauxite mining in Ngardmau State, on the northwest coast destroyed native forest. Whatever their origins, however, most of the grassland area is not yet too eroded and infertile to support forest growth.

Upland Forest (UP)

Upland forests are found on the volcanic, high islands of Babelthuap, Malakal, Koror, and Ngerekebesang. Most of the other islands of Palau are limestone or coral and support limestone, rock island, or atoll forest types.

The upland forests of Palau are the most species diverse in Micronesia, and include a number of species endemic to Palau. While many interesting ecological communities are present within the upland forests they could not be consistently identified on the photographs, and therefore were not mapped.

One of the most common tree species found in Palau, as in the rest of the Caroline Islands, is *Camptosperma brevipetiolata*. It is usually found growing at elevations less than 150 m (500 ft) on flat or gently sloping sites and along rivers and streams. Other major species found in Palau's upland forests include *Parinari corymbosa*, *Alphitonia carolinensis*, *Rhus taitensis*, *Elaeo-*

carpus carolinensis, *Serianthes kanehirae*, *Semecarpus venenosus*, *Calophyllum inophyllum*, *Gmelina palawensis*, and *Pterocarpus indicus*. Many other tree species occupy the upper canopy in Palauan upland forests.

Species commonly found in the understory of Palau's forests include palms, especially *Pinanga insignis* and other plants, including *Pandanus aimiriikensis*, *Ixora casei*, *Eugenia cuminii*, *Osmoxylon oliveri*, *Manilkara udoido*, *Symplocos racemosa*, and *Cyathea lunulata*.

Swamp Forest (SW)

Swamp forests occur where soils are inundated with fresh or slightly brackish water. The most common habitat for such forests is in low lying areas, just inland of mangroves, above tidal influences. Coastal lowland swamps of Palau are generally quite disturbed, with *Hibiscus tiliaceus* being a common component after disturbance. Taro cultivation is a common competing land use for these swamp areas and is probably the main reason for the clearing of swamp forest.

In Palau, species common to swamps on the landward side of mangroves and along rivers include *Horsfieldia amklaal*, *Cynometra ramiflora*, *Calophyllum soulattri*, *Barringtonia racemosa*, *Heritiera littoralis*, *Samadera indica*, and in the understory, *Stemonurus ammu*. The climbing vine *Derris trifoliata* is commonly found growing on trees.

A swamp forest association which is common to low areas of

impeded drainage is the *Horsfieldia amklaal*, *Barringtonia racemosa*, and *Donax canniformis* type, first described by Hosokawa (1952). This type of swamp forest is not restricted to coastal areas but is quite commonly found along streams in the interior hills of Babelthuap. *Horsfieldia* trees in these upland swamp areas occasionally attain diameters over 100 cm (39 in).

Some remnants of swamp forest occur on Peleliu. Species commonly found in these wet areas are *Barringtonia racemosa* and *Terminalia catappa*. On Angaur, *Barringtonia racemosa*, *Hibiscus tiliaceus*, and *Areca catechu* (betelnut) grow in a swampy area that remains near the airstrip.

Mangrove Forest (MN)

In mangrove forests, tree roots are periodically inundated with sea water. They serve as a natural filtering and nutrient buffering system between high islands and lagoons, settling silt and providing a slow sustained release of nutrients into the lagoon. Mangroves also serve as fish spawning grounds and habitat for birds and fruit bats, and provide lumber, firewood, and fisheries.

In Palau, the mangrove forest type occurs along lower portions of rivers and their mouths, on coastal mud flats, and on some offshore islets. Where well developed, stands may reach 15 to 20 m (50 to 70 ft).

Although large mangrove trees can be found, Palauan mangroves typically grow in stands of medium-sized trees (MN1). In the interior of large mangrove areas, however, dense stands of short, small trees may be found (MN0)—especially in areas where the water circulation is limited and the soil is relatively firm. The presence of a hard-pan layer of organic material is probably responsible for the stunted growth. *Rhizophora* spp. predominate in MN0 stands but *Bruguiera gymnorrhiza* is occasionally found. Individual trees are typically 2 to 3 m (7 to 10 ft) tall and less than 8 cm (3 in) in d.b.h.—too small to be usable for wood products.

Sonneratia alba and *Rhizophora mucronata* are dominant on the seaward side of the mangrove (Stemmermann and Proby 1978). At the mouths of larger rivers or around bay indentations, *Rhizophora mucronata* and *R. apiculata* may grow in pure stands or mixed with *Sonneratia* and some *Bruguiera*. On the landward side of mangroves, the species mix may include *Lumnitzera littorea* and *Xylocarpus granatum*. Where estuaries become river-like, *Rhizophora* spp. are rarely found, *Sonneratia* remains common, and *Bruguiera*, *Xylocarpus*, and *Lumnitzera* become common.

Heritiera littoralis is found along the landward side of mangroves and upstream. Stands of *Nypa fruticans* occur along the lower portions and mouths of some rivers. Although *Nypa* palm is fairly common, it generally grows in stringers too narrow to map.

The mangroves of Babelthuap Island are well developed, especially on the south and southwest coasts. The mangroves of Peleliu Island are generally stunted and less dense than those of Babelthuap. One mangrove stand is in Kayangel Atoll, along the shore of a saltwater pond in the interior of a small islet adjacent to Kayangel Island proper. These *Bruguiera* and *Rhizophora* trees, now 5 to 6 m (16 to 20 ft) tall, were planted by the Palau Department of Agriculture and Forestry in the mid 1970's.

Atoll Forest (AT)

The atoll forest type generally is found towards the interior of larger and wetter uninhabited atolls and along sandy or rocky coasts of high islands. Although generally located behind the strand, atoll forest species are often mixed with the strand species, so the transition from strand to atoll forest is often gradual and indefinite.

Species commonly found in atoll forests include an outer fringe of shrubby *Scaevola taccada*, occasionally with *Tournefortia argentea* and *Sophora tomentosa*. On rocky coasts, *Pemphis acidula* is common. Both *Tournefortia* and *Pemphis* grow into small well-formed trees. Tall *Casuarina litorea* trees may be present, especially along the leeward shore. Other species include *Calophyllum inophyllum*, *Cordia subcordata*, *Hermandia sonora*, *Guettarda speciosa*, *Pandanus* spp., *Pisonia grandis*, *Terminalia catappa*, *Morinda citrifolia*, *Neisosperma oppositifolia*, *Hibiscus tiliaceus*, *Ficus* spp., and *Premna obtusifolia*.

Human activity has altered the vegetation throughout Micronesia. Agroforest now predominates on most atolls, especially the inhabited ones. Atoll forest has largely disappeared except on uninhabited atolls and sandy or limestone coasts.

Casuarina Forest (CA)

In a number of places, especially along coastal areas of Peleliu and Angaur, dense stands of *Casuarina litorea* trees can be found. Although such areas are not well-developed forest communities, they are distinct on aerial photos and readily identified. Where such stands exist, the ground is covered with a thick carpet of fallen needles. This layer of needles tends to inhibit other growth, resulting in the habitat characteristic of *Casuarina* stands. Larger, relatively pure stands of *Casuarina* trees are delineated as CA1H. Where sparse in density, *Casuarina* may also be a component of other types such as atoll forest (AT), limestone forest (LI), or secondary vegetation (SV).

Limestone Forest (LI)

This is a vegetation type found mainly on the coral islands of Peleliu, Angaur, and the Rock Islands. The species composition of LI varies on the different islands, there being a number of endemic species present. The limestone forest habitat, however, is similar on all islands, supporting both scrubby and tall trees sometimes growing out of bare rock. The humus from decaying leaves and other debris provide a sustained cycling of nutrients. Species commonly found in the limestone forest include *Intsia bijuga*, *Psychotria* spp., and *Clerodendrum inerme*.

Native limestone forest once covered much of Peleliu. However, the vegetation of the island was greatly disturbed during World War II. Less disturbed limestone forest occurs in the mountainous regions of northern Peleliu. Species of this vegetation type, however, are common and can be found scattered throughout the island, and in the secondary vegetation type as well. On Angaur, areas of limestone forest are found interspersed among freshwater, and occasionally, saltwater depressions. These areas are coded LI.SW to indicate the swamp-like condition of the understory. Occasionally, sites are found where

limestone forest and *Casuarina* trees (LI.CA) or atoll forest (LI.AT) species grow together (table 4).

Rock Island Forest (RI)

The Rock Islands of Palau are coralline limestone islands, typically vegetated with Rock Island forest. This forest type is considered a subtype of the limestone forest type (LI), but was mapped separately to indicate the uniqueness of the Rock Islands. In all, 1,117 hectares (2,760 acres) of Rock Island forest

Table 6A—Area by vegetation type for selected Rock Islands, State of Airai, Republic of Palau, 1979

Island	Vegetation type					Total area
	Rock Island forest (RI)	Mangrove forest (MN)	Total forest	Secondary vegetation (SV)	Water	
	<i>Hectares (acres)</i>					
Chesechosou	10	0	10	0	0	10 (25)
Diebebal	2	0	2	0	0	2 (5)
Ngedert	2	0	2	0	0	2 (5)
Ngeream	171	1	172	2	<1	174 (430)
Ngkesill	2	0	2	0	0	2 (5)
Omelochel	4	0	4	0	0	4 (10)
Total area	191	1	192	2	<1	194 (479)

Table 6B—Area by vegetation type for selected Rock Islands, State of Koror, Republic of Palau, 1979

Island	Vegetation type			Total area
	Rock Island forest (RI)	Grassland (G)	Urban (U), Water (W)	
	<i>Hectares (acres)</i>			
Bukrrairong	13	0	0	13 (32)
Itelblong	6	0	0	6 (14)
Meduu	4	0	0	4 (9)
Ngedesakr	6	0	0	6 (15)
Ngerbechetel	2	0	0	2 (4)
Ngerchaol	71	0	1	72 (179)
Ngermalk	23	0	1	24 (60)
Ngermechaech	1	0	0	1 (3)
Ngeretecheif	2	0	0	2 (4)
Ngerur	5	0	0	5 (13)
Ngeteklou	47	0	2	49 (120)
Ngetkuml	2	0	0	2 (4)
Ordachel	6	0	0	6 (14)
Tengetcheyangl	1	0	0	1 (3)
Torius	3	0	0	3 (7)
Ucheliungs	2	0	0	2 (6)
Uchulangas	2	0	0	2 (5)
Ulebsechl	394	1	3	398 (985)
Ullemetamel	4	0	0	4 (9)
Total area	594	1	7	602 (1,486)

Table 6C—Area by vegetation type for selected islands, States of Ngerechelong and Peleliu, Republic of Palau, 1979

State and island	Vegetation type								Total area
	Rock island forest (RI)	Mangrove forest (MN)	Limestone forest (LI)	Atoll forest (AT)	Total forest	Agro-forest (AG)	Coco-nut (CO)	Marsh and strand (M)(S)	
	<i>Hectares (acres)</i>								
Ngerechelong									
Ngerkeklaui	0	2	0	0	2	0	6	0	8 (19)
Peleliu									
Belualasmau	0	0	0	2	2	0	0	0	2 (6)
Ngebad	0	¹ 11	41	4	56	0	0	1	57 (141)
Ngedbus	0	6	0	24	30	0	65	0	95 (234)
Ngerumetochel	18	0	0	0	18	0	0	0	18 (45)
Ngesuall	0	0	2	0	2	0	0	0	2 (4)
Ngurungor	0	10	15	0	25	0	0	0	25 (62)
Olungeaol	0	9	0	28	37	0	0	0	37 (92)
Ruriid	0	4	0	0	4	6	0	0	10 (25)
Tengabardl	0	1	0	0	1	0	0	0	1 (2)
Total area	18	43	58	58	177	6	71	1	255 (630)

¹Includes <1 ha of swamp forest (SW).

Table 7—Vegetation type codes used for the islands in the Republic of Palau¹

Land class	Vegetation codes	Vegetation types, subtypes and components	Land class	Vegetation codes	Vegetation types, subtypes and components
Forest	UP	Upland forest, various size and density classes apply	Secondary vegetation	SV	Secondary vegetation, size and density do not apply
	UP/SV	Secondary vegetation understory		SV.BB	Bamboo component
	UP/SV.BB	Bamboo understory		SV.G	Grass component
	UP/SV.G	Grass understory		SV.S	Shrub component
	UP.CO	Coconut component		SV.H	<i>Hibiscus</i> component
	UP.CO/SV	Coconut component, secondary vegetation understory	Agroforest	AG	Agroforest
	UP.SW	Swamp forest component		AG.CO	Coconut component
	UP.PO	Palm forest component		AG.CO/M.F	Coconuts with freshwater marsh understory
	UP/C	Cultivated inclusions		AG.CO/U	Coconuts with urban inclusions
	SW	Swamp forest, various size and density classes apply		CO	Coconut plantation, various size and density classes apply
	SW.B	<i>Barringtonia</i> component		CO.SW	Swamp forest component
	SW/SV	Secondary vegetation understory		CO.UP	Upland forest component
	SW/SV.BB	Bamboo understory		CO/U	Urban inclusions
	SW.CO	Coconut component		CO/SV	Secondary vegetation understory
	SW.CO/SV	Coconut component, secondary vegetation understory		CO/M.F	Freshwater marsh understory
	SW.UP	Upland forest component	Nonforest	M.F	Freshwater
	MN	Mangrove, various size and density classes apply		M.F.C	Freshwater, cultivated
	MN.R	<i>Rhizophora</i> component		M.F.P	Freshwater, <i>Phragmites</i>
	MN.SW	Swamp forest component		M.F/SV	Freshwater marsh with secondary vegetation inclusions
	MN.AT	Atoll forest component		M.S	Marsh, saline
	MN.N	<i>Nypa</i> palm component		G	Grassland or savanna
	MN/SV	Secondary vegetation understory		G.B	Barren component
	MN.D	Evidence of disturbance		G.CA	Abandoned cultivation
	AT	Atoll forest, various size and density classes apply		G.D	Disturbed lands
	AT/SV	Secondary vegetation understory		G.F	Fern component
	AT.LI	Limestone forest component		G.G	Grass component
	AT.CA	<i>Casuarina</i> component		G.P	Pandanus component
	AT.CO	Coconut component		G.S	Shrub component
	PF	Plantation forest, various size and density classes apply		S	Strand vegetation
	PF.M	Mahogany plantation		C	Cropland
	LI	Limestone forest, various size and density classes apply		C/SV	Cropland with secondary vegetation inclusions
	LI/SV	Secondary vegetation understory		U	Urban land
	LI.SW	Swamp forest component		U/AG	Agroforest inclusions
	LI.CA	<i>Casuarina</i> component		U/C	Cropland inclusions
	LI.CO	Coconut component		U/SV	Secondary vegetation inclusions
	RI	Rock Island forest, a sub-type of limestone forest, various size and density classes apply		U/SV.BB	Bamboo inclusions
	CA	<i>Casuarina</i> forest, various size and density classes apply		B	Barren land
	CA/SV	Secondary vegetation understory		B.CL	Clay soil patches
	CA.AT	Atoll forest component		B.D	Disturbed
	CA.LI	Limestone forest component		B.R	Rock outcrops
	PO.I	Palm forest, various size and density classes apply, Ivory Nut palm component		B.S	Sand
				W.F	Freshwater
				W.S	Saline water

¹NOTES:

Size classes and density codes are used only with the forest class and with the coconut plantation type.

Various combinations of components are used, especially within the grassland type, as for G.B.F.P or grassland with barren, fern, and pandanus components.

Each component, inclusion, or understory species identified must be present on at least 20 percent of the mapped area.

Table 8—Partial list of plant species found on Palau¹

Genus	Species	Author	Family
Acrostichum	aureum	L.	Pteridaceae
Alphitonia	carolinensis	Hosoka	Rhamnaceae
Areca	catechu	L.	Palmae
Artocarpus	spp.		Moraceae
Bambusa	vulgaris	Schrader	Gramineae
Barringtonia	racemosa	(L.) Spreng.	Lecythidaceae
Bikkia	palauensis	Val.	Rubiaceae
Bruguiera	gymnorhiza	(L.) Lamarck	Rhizophoraceae
Calophyllum	inophyllum	L.	Guttiferae
Calophyllum	soulattri	Burm. f.	Guttiferae
Campnosperma	brevipetiolata	Volkens	Anacardiaceae
Casuarina	litorea	L.	Casuarinaceae
Clerodendrum	inermis	(L.) Gaertn.	Verbenaceae
Cocos	nucifera	L.	Palmae
Cordia	subcordata	Lamarck	Boraginaceae
Cyathea	lunulata	(Forst. f.) Copel.	Cyatheaceae
Cynometra	ramiflora	Schltr.	Gesneriaceae
Cyperus	javanicus	Houtt.	Cyperaceae
Decaspermum	spp.		Myrtaceae
Derris	trifoliata	Loureiro	Leguminosae
Donax	canniformis	(Forst. f.) Schum.	Marantaceae
Dracaena	multiflora	Warb. ex Sarasin	Agavaceae
Elaeocarpus	carolinensis	Koidz.	Tiliaceae
Eleocharis	geniculata	(L.) Roemr & Schultes	Cyperaceae
Eugenia	cuminii	(L.) Druce	Myrtaceae
Eugenia	spp.		Myrtaceae
Eurya	japonica	(Korth.) This.-Dyer	Theaceae
Ficus	spp.		Moraceae
Fimbristylis	cymosa	R. Br.	Cyperaceae
Garcinia	mangostana	L.	Guttiferae
Gleichenia	linearis	(Burm. f.) C.B.CL	Gleicheniaceae
Gmelina	palawensis	H. J. Lam	Verbenaceae
Guettarda	speciosa	L.	Rubiaceae
Gulubia	palauensis	(Becc.) Moore & Fosb.	Palmae
Heritiera	littoralis	Dry.	Sterculiaceae
Hernandia	sonora	L.	Hernandiaceae
Hibiscus	tiliaceus	L.	Malvaceae
Horsfieldia	amklaal	Kanehira	Myristicaceae
Intsia	bijuga	(Colebr.) O. Ktze.	Leguminosae
Ipomoea	aquatica	Forsskal, Fl.	Convolvulaceae
Ipomoea	pes-caprae	(L.) V. Ooststr.	Convolvulaceae
Ischaemum	chordatum	(Trin.) Hack. Warb.	Gramineae
Ixora	casei	Hance	Rubiaceae
Lippia	nodiflora	(L.) Rich.	Verbenaceae
Lumnitzera	littorea	(Jack) Voigt	Combretaceae
Macaranga	carolinensis	Volk.	Euphorbiaceae
Mangifera	indica	L.	Anacardiaceae
Manilkara	udoido	Kan.	Sapotaceae
Melastoma	malabathricum	(Naudin) Fosb. & Sachet	Melastomaceae
Metroxylon	amicarum	(Wendl.) Becc.	Palmae
Miscanthus	floridulus	(Labill.) Warb.	Gramineae
Morinda	citrifolia	L.	Rubiaceae
Musa	spp.		Musaceae
Neisosperma	oppositifolia	(Lam.) Fosb. & Sachet	Apocynaceae
Nephelium	lappaceum	L.	Sapindaceae
Nypa	fruticans	Wurmb.	Palmae
Osmoxylon	oliveri	Fosb. & Sachet	Araliaceae
Pandanus	aimiriikensis	Mart.	Pandanaceae
Pandanus	spp.		Pandanaceae
Parinari	corymbosa	(Bl.) Miq.	Rosaceae
Paspalum	distichum	L.	Gramineae
Pemphis	acidula	Forst.	Lythraceae
Phragmites	karka	(Retz.) Trin. ex Steud.	Gramineae
Pinanga	insignis	Becc.	Palmae

continued

Table 8—Partial list of plant species found on Palau (continued)

Genus	Species	Author	Family
<i>Pisonia</i>	<i>grandis</i>	R. Brown	Nyctaginaceae
<i>Premna</i>	<i>obtusifolia</i>	R. Brown	Verbenaceae
<i>Psychotria</i>	spp.		Rubiaceae
<i>Pterocarpus</i>	<i>indicus</i>	Willd.	Leguminosae
<i>Ptychosperma</i>	<i>palauensis</i>	(Kaneh.) Moore & Fosb.	Palmae
<i>Rhizophora</i>	<i>apiculata</i>	Blume	Rhizophoraceae
<i>Rhizophora</i>	<i>mucronata</i>	Lamarck	Rhizophoraceae
<i>Rhus</i>	<i>taitensis</i>	Guillemin	Amacardiaceae
<i>Samadera</i>	<i>indica</i>	Graetn.	Simaroubaceae
<i>Scaevola</i>	<i>taccada</i>	(Gaertner) Roxburgh	Goodeniaceae
<i>Semecarpus</i>	<i>venenosus</i>	Volkens	Anacardiaceae
<i>Serianthes</i>	<i>kanehirae</i>	Fosb.	Leguminosae
<i>Sonneratia</i>	<i>alba</i>	J. E. Sm.	Sonneratiaceae
<i>Sophora</i>	<i>tomentosa</i>	L.	Leguminosae
<i>Stemonurus</i>	<i>ammui</i>	(Kaneh.) Sleumer	Icacinaceae
<i>Swietenia</i>	<i>macrophylla</i>	King	Meliaceae
<i>Swietenia</i>	<i>mahagoni</i>	(L.) Jacq.	Meliaceae
<i>Symplocos</i>	<i>racemosa</i>	(Koidz.) Nooteb.	Symplocaceae
<i>Terminalia</i>	<i>catappa</i>	L.	Combretaceae
<i>Timonius</i>	<i>timon</i>	(Spr.) Merr.	Rubiaceae
<i>Tournefortia</i>	<i>argentea</i>	(L.f.) Johnston	Boraginaceae
<i>Vigna</i>	<i>marina</i>	(Burm.) Merrill	Leguminosae
<i>Wikstroemia</i>	<i>elliptica</i>	Merr.	Thymelaeaceae
<i>Xylocarpus</i>	<i>granatum</i>	Koenig	Meliaceae

¹Dicotyledonae follow Fosberg and others (1979) and Fosberg and others (1980).

Palm nomenclature follows that of Moore and Fosberg (1956).

were typed, representing only a fraction of the total area of the Rock Islands. Unfortunately, no photography was available for most of the Rock Islands.

The forest of the Rock Islands is diverse in species composition and varies among islands. Some of the more common species include the native palms *Gulubia palauensis* and *Ptychosperma palauensis*, and the forest trees *Semecarpus venenosus*, *Intsia bijuga*, *Psychotria* spp., *Premna obtusifolia*, *Cordia* spp., *Clerodendrum inerme*, and *Biklia palauensis*. *Pandanus* spp. and *Dracaena multiflora* are also common in the understory.

Plantation Forest (PF)

Forest plantations are planted for commercial forest production, erosion control, or conversion. The type is limited to experimental species introduction trials near the Nekkeng Forestry Station and to several small plantations, most of which were established during the Japanese era. Various introduced species include *Swietenia mahagoni*, *S. macrophylla*, *Pterocarpus indicus*, and the fruit trees *Nephelium lappaceum* (rambutan) and *Garcinia mangostana*.

Palm Forest (PO)

Although there are six native palms found in Palau, they usually occupy the understory or middle canopy layers of the forest, and do not occur in pure, mappable stands. The only palm forest stand located during the project was on Koror, a 0.4 hectare (1

acre) area of the introduced ivory nut palm (*Metroxylon amicorum*).

Secondary Vegetation

Areas of fast-growing small trees, shrubs, and vines growing in recently disturbed areas are classified as secondary vegetation. Such areas sometimes represent traditional gardens in a fallow phase. To some extent secondary vegetation functions as a natural "bandage" protecting disturbed soils from Palau's heavy rains, allowing humus and nutrients to accumulate in the soils.

On Palau's volcanic islands, *Macaranga carolinensis* is the usual component of secondary vegetation. *Bambusa* is also common. Generally, *Hibiscus tiliaceus* occurs more commonly on wetter sites, although it can be found growing elsewhere. The impenetrable *Hibiscus* thickets common to Pohnpei and Kosrae are not found here, except in some wetter areas.

The most common secondary vegetation species found on the limestone islands of Peleliu and Angaur are *Macaranga carolinensis* and the native limestone species, *Timonius timon*.

Agroforest

Agroforests occupy areas generally along the coast and near dwellings and are characterized by a mix of food-producing trees, forest trees, and other plants. These "tree gardens" rep-

resent a sustainable system of food production and wise use of available resources. The canopy is often uneven and may be interspersed with small taro patches, open canopy gardens, and areas of secondary vegetation—all too small to be mapped separately.

Agroforest with a crown cover of over 20 percent coconut trees (*Cocos nucifera*) is typed as AG.CO. Other species commonly present include breadfruit (*Artocarpus* spp.), mango (*Mangifera indica*), bananas (*Musa* spp.), *Eugenia* spp., and betelnut (*Areca catechu*).

Coconut Plantation (CO)

In Palau, coconut plantations—geometric grids of planted coconut palms—are relatively common. Most were established in the late 1800's by the Germans for copra production. On the island of Babelthuap—especially on the sandy east coast—these coconut plantations have been abandoned and are reverting to upland forest. Such areas are coded as either CO.UP or CO/SV, depending upon the size and composition of the associated vegetation.

Nonforest

Marsh (M)

Marsh areas are dominated by grasses, sedges, and herbs growing in standing water most of the year. A number of types of marshes are identified, including freshwater and saline:

- Marsh, freshwater (M.F)—Areas just slightly above sea level and surrounded by mangroves, as in the freshwater marsh/open canopy swamp forest category described by Stemmermann and Proby (1978), or in depressions in upland areas. The vegetation in these areas may include tall reeds, especially *Phragmites karka*, sedges, and other taller herbaceous growth. Where the water is somewhat brackish, the fern *Acrostichum aureum* may be present. Freshwater marshes cultivated for taro are coded M.F.C, and here the edible vine *Ipomoea aquatica* may be found.

- Marsh, saline (M.S)—Areas dominated by herbaceous vegetation growing in salt or brackish water conditions. Saline marshes are generally located along the coast, near mangroves or in depressions in sand or mud flats. Only 0.4 hectare (1 acre) of saline marsh, on Ngebad Island, was mapped. Other inclusions of saline marsh are too small for mapping. Common species include *Cyperus javanicus*, *Derris trifoliata* (especially at the edge of mangroves), *Eleocharis geniculata*, *Fimbristylis cymosa*, *Lippia nodiflora*, *Paspalum distichum*, and *Vigna marina*. A number of woody species characteristic of coastal sands, swamp forests, and mangroves may surround or be sparsely scattered in the marshes.

Grassland/Savanna (G)

Grasslands/savannas are areas of land supporting a layer of herbaceous, fern or low shrub cover. Tall shrubs and trees, if present, are widely scattered. The soils are generally poorly drained clays.

Some of the grasslands/savannas on Babelthuap are a result of human activity—land clearing, mining, or wildfire. Other grasslands/savannas may also be the result of past human disturbance or be a natural occurrence related to the presence of bauxite soils. In any event, the grasslands are maintained by frequent fires that destroy both vegetation and the humus layer of the soil. The combined effects of wind, sun, and heavy rain cause continuing erosion of the degraded soils, insuring that only adapted herbaceous and fern species will survive.

Five major subtypes of grasslands/savannas have been identified: bare, fern lands, grasslands, shrubs, and abandoned agriculture.

- Bare—Areas of patchy herbaceous growth—generally low grasses and sedges—on poor soils. Patches of bare soil are common (designated G.B).

- Fern lands—Areas in which predominant cover is a tangled mat of *Gleichenia linearis* fern (designated G.F). Such areas are subject to frequent burning and soils are generally heavy, infertile clays. On Babelthuap, this type often replaces the mix of native and introduced shrubs, *Pandanus* spp., and herbaceous vegetation that is characteristic of savanna in the western Caroline Islands.

- Grasslands—grasslands/savannas with a mixture of graminoid species (designated G.G) may include other associations such as ferns, shrubs, and pandanus. Graminoid species include *Ischaemum* spp. and *Miscanthus floridulus*.

- Shrubs—Areas with a mixture of shrubs (designated G.S). Species specific to grasslands/savannas include *Eurya japonica*, *Wikstroemia elliptica*, *Melastoma malabathricum*, and *Decaspermum* spp.

- Abandoned agriculture—Grasslands/savannas once under cultivation (designated G.CA). Where soils are not so degraded, a number of herbaceous species may be found. In Palau, the most common species is *Ischaemum chordatum*.

Strand (S)

The strand type includes herbaceous vegetation or shrubs growing along the ocean shore on a sandy or rocky substrate. This type is usually included with the atoll forest type, since the two are hard to separate. A total of 11 hectares (27 acres) of strand vegetation was mapped on Kayangel, Peleliu, and other small islands of Palau. Herbaceous species include *Vigna marina*, *Ipomoea pes-caprae*, and *Fimbristylis* spp. The small tree *Pemphis acidula* is also common.

Cropland (C)

Cropland is cultivated land without tree cover. Most of these gardens are too small to delineate and are included with other types such as agroforest or secondary vegetation.

Barren (B)

Areas lacking natural vegetation, for such reasons as presence of rocks and sterile soil, are delineated as barren. Many barren areas on Babelthuap Island are abandoned bauxite mines.

Urban (U)

Urban areas are those developed for nonforest, nonagricultural use. Where buildings, roads, or similar features are interspersed with vegetation, the area may be classified as urban/secondary vegetation (U/SV), urban/agroforest (U/AG), or urban/cropland (U/C).

Water (W)

Water includes both fresh water and saline pools (W.S).

Nonforest land: Land that has never supported forests; or was formerly forested, but is currently developed for nonforest use.

Secondary vegetation: A vegetation type characterized by small, fast-growing trees and vines, usually weedy invaders.

Vegetation type: An area delineated on the folded maps as having species composition similar to one of the types described in the section on type classification.

GLOSSARY

Agroforest: Land where planted fruit trees and other agricultural plants are cultured among forest trees.

D.b.h.: Diameter at breast height. Tree diameter outside bark measured at breast height, 1.3 m above the ground.

Forest land: Land at least 10 percent stocked by live trees or land formerly having such tree cover and not currently developed for nonforest use.

Land area: Land area includes dry land and land temporarily or partially covered by water, such as marshes, swamps, and river flood plains.

Land class: A classification of land by major use or major vegetative characteristics, i.e., forest, secondary vegetation, agroforest, and nonforest.

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01

PALAU ISLANDS

Index Map

Sheet 1 of 17

Cole, Thomas G., Falaruw, Marjorie C., MacLean, Colin D., Whitesell, Craig D., Ambacher, Alan H. Vegetation survey of the Republic of Palau. Resour. Bull. PSW-22 Berkeley, CA Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture, 1987.

VEGETATION LEGEND
For explanation of vegetation type codes see Table 7.

ITEM	LABEL	AREA (ACRES) (HECTARES)	
1	AT1H	14	5.7
2	SV	2	8
3	AT1H	15	6.1
4	SV	2	8
5	C	1	4
6	C	2	8
7	AG CO	229	92.7
8	G CA	1	4
9	G CA	1	4
10	U	1	4
11	SV	2	8
12	SV	2	8
13	SV	1	4
14	AT1H	5	2.0
15	S	8	3.2
16	S	8	3.2
17	AT1H	20	8.0
18	AG CO	1	4
19	SV S	2	8
20	W	1	4
21	S	2	8
22	AG CO	9	3.6
23	AT1H/SV	38	15.3
24	S	2	8
25	AG CO AT	5	2.0
26	AT1H	16	6.4
27	AG CO	3	1.2
28	AT1H	2	8

Some maps prepared from US Geological Survey topographic
maps prepared by USGS Forest Service Pacific
Forest Region, San Francisco, California

Vegetation map compiled by Pacific Southwest Forest and Ranger
Experiment Station and Pacific Northwest Forest and Ranger
Experiment Station, Forest Service, U.S. Department of Agriculture
Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific
Southwest Region, Engineering Geomorphology Section, 1987.

PALAU ISLANDS

Index Map

Cole, Thomas G., Falanruw, Marjorie C., MacLean, Colin D., Whitesell, Craig D., Ambacher, Alan H. Vegetation survey of the Republic of Palau. Resour. Bull. PSW-22. Berkeley, CA. Pacific Southwest Forest and Range Experiment Station Forest Service, U.S. Department of Agriculture, 1987

VEGETATION LEGEND									
For explanation of vegetation type codes see Table 7.									
AREA					AREA				
ITEM	LABEL	(ACRES)	(HECTARES)		ITEM	LABEL	(ACRES)	(HECTARES)	
BABELTHUAP									
1	M2H	39	15.8		91	CO	4	1.6	
2	M2H	107	43.3		92	C	3	1.2	
3	M2H	19	7.7		93	UPH	7	2.8	
4	M2H.R	3	1.2		94	CO1M/SV	201	81.3	
5	CO1M/SV	3	1.2		95	G.G.S	99	40.1	
6	M2H	6	2.4		96	UPH	2	.8	
7	UP1H.CO	7	2.8		97	UPH	1	.4	
8	CO1M/SV	12	4.9		98	UPH	1	.4	
9	SV	2	.8		99	F	8	3.2	
10	SV	5	2.0		100	CO1M.UP	8	3.2	
11	UP1M/SV	15	6.1		101	CO1M/SV	19	7.7	
12	UPH	17	6.9		102	SW2L/SV	9	3.6	
13	CO1M/SV	62	25.1		103	UP1H	1	.4	
14	G.G	1	.4		104	SW2L/SV	27	10.9	
15	G.G	1	.4		105	SV	5	2.0	
16	G.G	1	.4		106	UPH	26	10.5	
17	M2H	5	2.0		107	M2H	1	.4	
18	SW1L/SV	34	13.8		108	G.G	2	.8	
19	SV	2	.8		109	M2H.R	67	27.1	
20	UP1M/SV	12	4.9		110	CO1H	1	.4	
21	G.G.S	13	5.3		111	UPH	1	.4	
22	SW1L/SV	87	35.2		112	UP1H.CO	6	2.4	
23	G.G	2	.8		113	SW1L/SV	3	1.2	
24	G.G.S	3	1.2		114	SV	2	.8	
25	CO1M/SV	17	6.9		115	M2H	9	3.6	
26	AG	2	.8		116	M2H	12	4.9	
27	G.G	19	7.7		117	UPH	37	15.0	
28	CO1M/SV	1	.4		118	G.G.S	1	.4	
29	CO1M/SV	2	.8		119	UP1H.CO	22	8.9	
30	CO1M/SV	17	6.9		120	G.G.S	1	.4	
31	UPH	5	2.0		121	UPH	16	6.5	
32	UP1L.CO/SV	36	14.6		122	G	5	2.0	
33	U/C	3	1.2		123	B	5	2.0	
34	G.G	1	.4		124	M2H	18	7.3	
35	CO1H	7	2.8		125	SW1M/SV	28	11.3	
36	G.G	2	.8		126	UPH	8	3.2	
37	UPH	2	.8		127	B	4	1.6	
38	G.G	1	.4		128	UP1M	3	1.2	
39	UPH.CO	4	1.6		129	B	7	2.8	
40	U/C	16	6.5		130	G.G	1	.4	
41	G.G	6	2.4		131	G.G	1	.4	
42	SV	10	4.0		132	U	13	5.3	
43	C	2	.8		133	SV	1	.4	
44	SW2L.CO/SV	47	19.0		134	G.G	6	2.4	
45	SV	2	.8		135	UP1M	8	3.2	
46	M.F	1	.4		136	SV	2	.8	
47	M.F	2	.8		137	M.F.C	10	4.0	
48	CO1M/SV	10	4.0		138	SV	2	.8	
49	U	2	.8		139	SV	3	1.2	
50	M2H	6	2.4		140	SV	2	.8	
51	UP1H	11	4.5		141	UP1M	3	1.2	
52	UP1H	74	29.9		142	M2H	1	.4	
53	UPH	2	.8		143	UPH	4	1.6	
54	M.F	1	.4		144	M2H	37	15.0	
55	UP1M.CO	5	2.0		145	M2H.R	31	12.5	
56	M.F	5	2.0		146	M2H	14	5.7	
57	CO1M/SV	29	11.7		147	M2H.R	24	9.8	
58	G.G	1	.4		148	SV	6	2.4	
59	M.F	3	1.2		149	UPH	4	1.6	
60	G.G	414	167.5		150	U	5	2.0	
61	SV	5	2.0		151	U	1	.4	
62	G.G	10	4.0		152	U	5	2.0	
63	CO1H	2	.8		153	B.C.L	8	3.2	
64	SV	3	1.2		154	SW1M/SV	1	.4	
65	CO1M/SV	19	7.7		155	SW1M.CO	18	7.3	
66	M2H	104	42.1		156	M2H	51	20.6	
67	SW1L/SV	34	13.8		157	CO1M.SV	2	.8	
68	UPH	4	1.6		158	SW1M/SV	2	.8	
69	UPH	22	8.9		159	UPH	2	.8	
70	CO1M/SV	15	6.1		160	G.F.G.S	127	51.4	
71	SV	2	.8		161	CO1M/SV	12	4.9	
72	SW1H	23	9.3		162	SW1M/SV	21	8.5	
73	SV	2	.8		163	M2H	1	.4	
74	SV	2	.8		164	UP1M.SV	2	.8	
75	M.F	4	1.6		165	SV	5	2.0	
76	SV	1	.4		166	M.F	2	.8	
77	M2H	26	10.5		167	SW1M/SV	7	2.8	
78	M2H	7	2.8		168	SV	2	.8	
79	M2H.R	35	14.2		169	B.O	4	1.6	
80	CO1M/SV	86	34.0		170	M2H	33	13.4	
81	G.G.S	3	1.2		171	M2H	9	3.6	
82	M.F.C	13	5.3		175	C	5	2.0	
83	UPH	4	1.6		176	CO1M/SV	23	9.3	
84	M2H	3	1.2		177	SW1L/SV	16	6.5	
85	G.G	1	.4		178	UPH	25	10.1	
86	AG.CO/U	32	12.9						
87	SV	1	.4						
88	C	2	.8						
89	M.F	6	2.4		1	CO1H	15	6.1	
90	UPH	1	.4		2	M2H	2	.8	
					3	M2H	2	.8	

Vegetation map compiled by Pacific Southwest Forest and Range Experiment Station and Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific Southwest Region, Engineering Geomatics Section; 1987.

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Pacific Southwest Forest and Range Experiment Station,
Forest Service, U.S. Department of Agriculture; 1987

VEGETATION LEGEND
For explanation of vegetation type codes see Table 7

ITEM	LABEL	AREA (ACRES)	ITEM	LABEL	AREA (ACRES)
1	MNH	1	107	G G S	1
2	SWIM/SV	75	108	COIM SW	21
3	MNH	1	109	UPH	21
4	M F	2	110	UPH	21
5	COIM/SV	8	111	UPIM/SV	10
6	COIM/SV	106	112	G G P	20
7	B S	1	113	M F	7
8	U	2	114	MNH R	7
9	M F C	23	115	MNH R	7
10	AG CO/U	30	116	MNH R	12
11	G G P	108	117	M F	3
12	UPH	1	118	UPIM/SV	8
13	UPH	1	119	UPH	11
14	MNH	2	120	G F G S	20
15	MNH	5	121	UPH	297
16	UPH	2	122	G G S	1
17	UPH	3	123	G G S	3
18	UPH	1	124	COIM/SV	3
19	MNH	3	125	G G S	2
20	UPH	6	126	UPIM/SV BB	23
21	UPH	15	127	M F	2
22	G F G S	1	128	G G S	3
23	MNH	38	129	UPH	2
24	UPH	5	130	UPIM/SV	37
25	UPH	13	131	UPH	11
26	G F G S	13	132	G G	1
27	MNH	35	133	UPH	1
28	M F C	19	134	G G	2
29	COIM/SV	17	135	SWZL/SV	26
30	SWIL/SV	18	136	COH	17
31	G G	1	137	SWZM/SV	8
32	G G	2	138	U	11
33	UPH	20	139	M F	65
34	SWIL/SV	47	140	SWZL/SV	18
35	G G S	14	141	COIM SW	10
36	MNH	3	142	COIM/SV	50
37	G G	2	143	MNH	10
38	MNH	29	144	MNH	36
39	MNH	10	145	SWZL	3
40	COIM SW	13	146	COH	6
41	UPH	4	147	COH	13
42	G G P S	194	148	AG CO	7
43	UPH	21	149	C	3
44	UPH	2	150	G CA	3
45	UPH	2	151	UPIM/SV	8
46	MNH	1	152	SWIM/SV	3
47	UPH	1	153	G F G S	20
48	UPH	34	154	UPH	10
49	COIM/SV	3	155	G F G	11
50	M F	5	156	UPH	10
51	COIM/SV	57	157	UPH	24
52	UPH	19	158	UPIM/SV	11
53	G F G P	47	159	UPH	16
54	UPH	29	160	UPIL/SV BB	14
55	UPH	2	161	MNH	13
56	UPH	2	162	MNH R	16
57	SV S	5	163	MNH	6
58	MNH	4	164	MNH	4
59	MNH	76	165	MNH	15
60	G G P	6	166	MNH	46
61	G G	12	167	MNH	1
62	UPH	1	168	MNH	1
63	G G	1	169	SWZL/SV	2
64	UPH	3	170	SWZL/SV	2
65	C	5	171	SV	1
66	UPH	6	172	MNH	7
67	UPH	16	173	MNH	4
68	COIM/SV	8	174	UPH	39
69	AG CO/U	8	175	G F G P	15
70	M F	5	176	COIM/SV	18
71	UPIM CO	27	177	MNH R	5
72	M F	1	178	MNH	173
73	G G	1	179	MNH R	3
74	COH	13	180	M F/SV	13
75	UPH	2	181	G G	6
76	UPH	107	182	COIM/SV	1
77	G G S	9	183	UPIL/SV	22
78	UPH	6	184	G F G P	2
79	MNH	2	185	M F C	1
80	MNH	211	186	U/C	33
81	MNH R	13	187	UPIM CO/SV	26
82	COH	3	188	COIM/SV	2
83	SWIM/SV	90	189	SV S	10
84	UPH	1	190	MNH	3
85	SV	1	191	UPH	4
86	G G P	269	192	U/C	1
87	G G S	2	193	FF H M	1
88	UPH	7	194	MNH R	25
89	G G	1	195	MNH R	19
90	COH	13	196	G G P	5
91	UPH CO	1	197	UPH	1
92	UPH	8	198	G S	5
93	G G	13	199	UPH	2
94	COH	29	200	U/C	6
95	SWZL	8	201	G G P	19
96	AG CO/U	21	202	UPIM CO	5
97	COH	53	203	SV	6
98	UPH	5	204	UPIL CO	10
99	UPH	10	205	SV	1
100	G G S	2	206	SWH	18
101	UPH	5	207	SWIM/SV	10
102	G G	1	208	C	3
103	COIM/U	12	209	G G S	6
104	M F C	93	210	G G S	6
105	UPH	22	211	UPH	19
106	G G	1	212	UPH	112

Vegetation map compiled by Pacific Southwest Forest and Range Experiment Station and Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific Southwest Region, Engineering Geomorphics Section, 1987.

Produced by the United States Geological Survey in cooperation with the Palau Islands Government. The map is based on data collected by the U.S. Geological Survey and the Palau Islands Government. The map is not to be used for navigation. The map is not to be used for navigation. The map is not to be used for navigation.

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VEGETATION LEGEND
For explanation of vegetation type codes see Table 7

ITEM	LABEL	AREA (ACRES) (HECTARES)	ITEM	LABEL	AREA (ACRES) (HECTARES)
1	MNTH	276 112.5	84	UP2H	7 2.8
2	MN0H R	37 15.0	85	UP0H	8 3.2
3	MN0H R	13 5.3	86	UP1M SW	1 1.6
4	MN0H R	48 19.4	87	SW1H	11 4.5
5	MN1H	15 6.1	88	MN1H	15 6.1
6	UP2H	204 82.6	89	SW1H/SV	4 1.6
7	MN1H	1 4	90	UP1H	33 13.4
8	MN0H R	5 2.0	91	G F	1 4
9	MN0H R	9 3.6	92	G G S	4 1.6
10	CO1H SW	7 2.8	93	G F G S	4 1.6
11	UP2H	50 20.2	94	G G S	3 1.2
12	G G S	11 4.5	95	G G	2 8
13	G F G S	80 32.4	96	M F	1 4
14	UP1H	627 253.7	97	G G	1 4
15	SW1H	3 1.2	98	UP2M	9 3.6
16	SW1H/SV	31 12.5	99	G F G S	20 8.1
17	MN0H R	9 3.6	100	G F G S	1 4
18	G F G S	13 5.3	101	G F G S	60 24.3
19	SW1H	3 1.2	102	SV	5 2.0
20	MN1H	112 45.3	103	G F G S	2 8
21	SW1H	2 8	104	G F G S	13 5.3
22	SV	3 1.2	105	G F S	5 2.0
23	UP1H	15 6.1	106	G G S	2 8
24	G G S	132 53.4	107	G F	1 4
25	SV	8 3.2	108	G F G S	2 8
26	UP1H	4 1.6	109	G F	6 2.4
27	UP2H	66 26.7	110	UP2H	4 1.6
28	UP1H	47 19.0	111	G F S	3 1.2
29	G G S	1 4	112	G F S	2 8
30	UP2H	10 4.0	113	UP2H	4 1.6
31	UP1M CO	4 1.6	114	G F G	1 4
32	CO1H	4 1.6	115	G F G	1 4
33	SW1M/SV BB	3 1.2	116	G F G S	19 7.7
34	UP1H	5 2.0	117	SW2H	36 14.6
35	UP1H	10 4.0	118	UP1H	4 1.6
36	SW1M/SV	2 8	119	G F G	9 3.6
37	MN0H R	16 6.5	120	SW1M/SV	8 3.2
38	SW2H	1 4	121	UP1H	4 1.6
39	M F	1 4	122	MN0H	6 2.4
40	G G	1 4	123	G F	1 4
41	SW1M/SV	5 2.0	124	UP1H	16 6.5
42	UP1H	27 10.9	125	G S	1 4
43	CO1H	2 8	126	SW1M/SV	4 1.6
44	UP1H	4 1.6	127	G G S	6 2.4
45	UP1H	1 4	128	MN0H	117 47.3
46	G F	1 4	129	SW1M/SV	9 3.6
47	G F S	3 1.2	130	MN0H	10 4.0
48	G F G S	30 12.1	131	G F G S	9 3.6
49	G F	1 4	132	UP1H	71 28.7
50	G F G S	2 8	133	UP1H	1 4
51	UP2H	11 4.5	134	UP1H	12 4.9
52	UP1H	1 4	135	SW1H	26 10.5
53	G G	1 4	136	SW2H	8 3.2
54	UP0H	2 8	137	MN0H R	9 3.6
55	G F G S	54 21.9	138	MN0H R	5 2.0
56	UP2H	7 2.8	139	UP1H	15 6.1
57	UP1H	1 4	140	MN0H R	6 2.4
58	UP2H	28 11.3	141	SW1H	100 40.5
59	UP2H	7 2.8	142	M F	5 2.0
60	G F G S	28 11.3	143	SW2H	9 3.6
61	G F G S	4 1.6	144	SW1H	12 4.9
62	UP2H	3 1.2	145	G F G	31 12.5
63	SW1M CO	55 22.3	146	SW1M/SV	40 16.2
64	UP2H	5 2.0	147	SW1H	3 1.2
65	SW1M/SV	7 2.8	148	M F	3 1.2
66	CO1H SW	8 3.2	149	G G	6 2.4
67	UP2H	20 8.1	150	UP1H	4 1.6
68	G G S	7 2.8	151	SW1H	6 2.4
69	UP2H	7 2.8	152	MN1H	72 29.1
70	UP2H	33 13.4	153	SW1H	19 7.7
71	UP2M	21 8.5	154	M F	9 3.6
72	G G S	56 22.7	155	G F G	118 47.8
73	UP1H	100 40.5	156	G G	10 4.0
74	UP2H	4 1.6	157	SW1M/SV	34 13.8
75	G G S	6 2.4	158	M F	4 1.6
76	G G S	4 1.6	159	SW1H	17 6.9
77	UP2H	3 1.2	160	M F	11 4.5
78	UP2M	47 19.0	161	SW1H	4 1.6
79	UP0H	12 4.9	162	G G S	2 8
80	G F S	3 1.2	163	SW1H	23 9.3
81	UP2H	6 2.4	164	G G S	9 3.6
82	G F G S	12 4.9	165	M F	9 3.6
83	UP1H	4 1.6	166	SW1H	1 4
84	G G	1 4	167	G G	7 2.8
85	UP0H	80 32.4	168	UP0H	1 4
86	G F S	1 4	169	UP0H	2 8
87	UP1H	940 380.4	170	UP0H	1 4
88	UP0H	12 4.9	171	UP1H	1 4
89	UP0H	3 1.2	172	UP0H	1 4
90	UP2H	8 3.2	173	G F G S	6 2.4
91	SV	3 1.2	174	M F	1 4
92	UP0H	8 3.2	175	UP0H	1 4
93	G F G P	40 16.2

Vegetation map compiled by Pacific Southwest Forest and Range Experiment Station and Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. Cartography by Alan H. Ambach, USDA - Forest Service, Pacific Southwest Region, Engineering Geomatics Section, 1987.

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	AREA		ITEM		AREA		ITEM		AREA		
	(HOURS:MINUTES)				(HOURS:MINUTES)				(HOURS:MINUTES)		
1	UPH1	2	181	GGS	360	NF	360	NF	360	NF	
2	MNH1	108	182	UPH1	12	12	361	C	10	40	
3	UPH1	23	183	G.F.G.S	29	11	362	SWIM/VS	11	45	
4	UPH1	6	184	UPH1	17	6	363	G	2	16	
5	G.G.S	25	101	185	UPH1	7	28	364	SWILCO/VS	69	27
6	UPH1	7	186	UPH1	2	8	365	C	21	85	
7	U.C	44	178	UPH1	1	4	366	C	21	85	
8	UPH1	2	8	188	UPH1	5	20	367	UPH1	6	24
9	UPH1	2	8	189	UPH1	10	13	368	UPH1	2	16
10	PFH1	2	8	190	GGS	2	8	369	SWIM/VS	5	20
11	UPH1	1	4	191	UPH1	4	16	370	C	1	4
12	U.C	12	4	192	G.F.G.S	16	7	371	G	128	72
13	M.F.C	21	85	193	UPH1	0	32	372	UPH1	4	16
14	UPH1	4	4	194	UPH1	6	24	373	G	1	4
15	U.C	116	469	195	GGS	10	40	374	UPH1	1	4
16	SV	8	32	196	SWIM/VS	6	24	375	UPH1	7	28
17	COH1	12	4	197	GGS	16	7	376	GGS	5	20
18	G.F.G.S	63	255	198	SWIM/VS	7	28	377	G.F.G.S	14	57
19	G.F.G.S	166	67	199	G.F.G.S	11	45	378	UPH1	2	12
20	M.F.P	1	4	200	UPH1	12	49	379	SWIM/VS	5	20
21	UPH1	775	3138	201	C	2	8	380	SWH	155	627
22	UPH1	5	20	202	C	6	24	381	G	2	8
23	UPH1	5	20	203	C	1	4	382	UPH1	2	8
24	UPH1	5	20	204	H.CHO	10	47	383	G	1	4
25	UPH1	46	106	205	M.F	24	97	384	M.F	17	69
26	SV	8	34	206	COH1	12	49	385	M.F	3	12
27	UPH1	82	34	207	C	1	4	386	SWIM/VS	2	8
28	MNH1	1	4	208	SWILCO/VS	26	105	387	UPH1	2	8
29	G.F.G.S	6	24	209	MNH1	226	89	388	UPH1	6	24
30	MNH1	6	24	210	UPH1	2	8	389	UPH1	4	16
31	UPH1	28	113	211	G	22	89	390	UPH1	7	28
32	MNH1	4	16	212	UPH1	9	36	391	G.F.G.S	1	4
33	MNH1	3	12	213	GGS	9	36	392	G.F.G.S	4	16
34	UPH1	12	214	G	7	28	393	UPH1	4	16	
35	UPH1	13	215	UPH1	12	49	394	UPH1	2	8	
36	SWH	7	28	216	G.F.G.S	3	12	395	G	1	4
37	UPH1	42	170	217	C	1	4	396	UPH1	2	8
38	UPH1	2	8	218	UPH1	14	57	397	UPH1	6	24
39	G.F.S	0	24	219	SWIM/VS	5	20	398	G.F.G.S	2	12
40	M.F.P	20	10	220	M.F.P	6	24	399	G.F.S	2	8
41	UPH1	2	8	221	G.F.G.S	179	724	400	UPH1	18	73
42	UPH1	12	53	222	UPH1	3	12	401	G	1	4
43	UPH1	16	63	223	SWIM CO	11	45	402	G.F.G.S	1	4
44	UPH1	16	63	224	M.F	23	12	403	G.F.G.S	5	20
45	UPH1	4	16	225	UPH1	23	12	404	UPH1	24	117
46	UPH1	78	316	226	COH1	12	49	405	UPH1	5	20
47	UPH1	5	20	227	COH1	4	16	406	G	1	4
48	UPH1	9	36	228	G	3	12	407	UPH1	5	20
49	G.G	2	8	229	UPH1	12	49	408	G.F.G.S	32	129
50	M.F	6	24	230	G.F.G.S	12	49	409	UPH1	2	8
51	M.F	6	24	231	G.G	1	4	410	UPH1	6	24
52	UPH1	36	146	232	G.F.G.S	137	534	411	UPH1	24	97
53	UPH1	7	28	233	UPH1	12	49	412	G.F.G.S	22	129
54	SWIM/VS	35	142	234	UPH1	10	40	413	G	1	4
55	UPH1	12	49	235	GGS	10	40	414	UPH1	75	201
56	COH1	6	24	236	UPH1	2	8	415	G.G	1	4
57	COH1	6	24	237	UPH1	5	20	416	UPH1	6	24
58	M.F	82	312	238	UPH1	9	36	417	UPH1	2	8
59	COH1	10	40	239	UPH1	15	61	418	M.F.P	4	16
60	M.F	1	4	240	UPH1	3	12	419	UPH1	2	8
61	UPH1	4	16	241	UPH1	3	12	420	UPH1	13	53
62	MNH1	175	708	242	UPH1	6	32	421	GGS	6	24
63	UPH1	5	16	243	G.F.G.S	3	12	422	UPH1	3	12
64	COH1	19	77	244	UPH1	6	24	423	UPH1	10	121
65	COH1	19	77	245	UPH1	6	24	424	UPH1	20	83
66	UPH1	12	49	246	G	6	24	425	UPH1	4	16
67	UPH1	12	49	247	UPH1	12	49	426	UPH1	4	178
68	SWILCO/VS	17	69	248	UPH1	12	49	427	G.F.G.S	7	28
69	G.F.G.S	8	32	249	G.F.G.S	24	97	428	UPH1	2	8
70	G.G	1	4	249	UPH1	24	97	429	UPH1	7	28
71	UPH1	12	49	250	UPH1	5	20	430	G	1	4
72	UPH1	12	49	251	G.F.S	5	20	431	GGS	20	81
73	UPH1	12	49	252	UPH1	5	20	432	GGS	2	8
74	M.F	3	12	253	G.F.G.S	6	24	433	G	1	4
75	G.F.G.S	4	16	254	G.G	4	16	434	GGS	1	4
76	G.F.G.S	4	16	255	G.F.G.S	4	16	435	UPH1	56	227
77	UPH1	16	63	256	UPH1	255	032	436	GGS	1	4
78	G.F.G.S	11	45	257	G.F.G.S	1	4	437	G.F	1	4
79	UPH1	35	20	258	UPH1	1	4	438	UPH1	8	32
80	UPH1	10	40	259	G.F	1	4	439	UPH1	5	20
81	G.F.G.S	15	61	260	UPH1	1	4	440	UPH1	6	24
82	UPH1	33	134	261	UPH1	1	4	441	G.F.G.S	16	65
83	UPH1	49	10	262	UPH1	1	4	442	G.F.G.S	16	65
84	UPH1	34	17	263	B.G	8	32	443	UPH1	3	12
85	UPH1	8	32	264	G.F.S	1	4	444	UPH1	3	12
86	G.F.G.S	5	20	265	G.F.S	1	4	445	G.F.S	1	4
87	G.F.G.S	34	138	266	UPH1	20	81	446	G.F.S	5	20
88	UPH1	5	20	267	UPH1	24	97	447	G.F.S	4	16
89	UPH1	6	24	268	UPH1	24	97	448	UPH1	2	8
90	UPH1	8	32	269	G.F.S	12	49	449	UPH1	11	45
91	UPH1	8	32	270	UPH1	12	49	450	G	1	4
92	UPH1	12	49	271	G.F.S	2	8	451	G	1	4
93	UPH1	12	49	272	G.F.S	2	8	452	G.F.S	3	12
94	UPH1	12	49	273	G.F.S	1	4	453	G.F	1	4
95	UPH1	12	49	274	G.F.S	1	4	454	G.F	1	4
96	UPH1	6	24	275	G.F.S	1	4	455	G.F	1	4
97	UPH1	23	93	276	G.F.S	4	16	456	UPH1	1	4
98	UPH1	2	8	277	UPH1	4	16	457	UPH1	10	40
99	UPH1	60	243	278	UPH1	6	24	458	UPH1	1	4
100	M.F	6	24	279	G.F.G.S	1	4	459	UPH1	5	20
101	G.G	1	4	280	GGS	1	4	460	UPH1	2	8
102	UPH1	20	105	281	GGS	1	4	461	UPH1	9	36
103	M.F	5	20	282	G.F.S	20	81	462	UPH1	12	49
104	UPH1	10	40	283	G.F.S	20	81	463	G.F.S	9	36
105	G.F.G.S	30	121	284	UPH1	10	40	464	UPH1	5	20
106	B.D	44	178	285	UPH1	57	231	465	G.F	3	12
107	UPH1	15	61	286	UPH1	10	40	466	UPH1	5	20
108	B.D	29	117	287	UPH1	55	223	467	G.F.G.S	5	16
109	UPH1	52	210	288	UPH1	55	223	468	UPH1	26	105
110	B.G.B.G	8	32	289	G.F	2	8	469	UPH1	2	8
111	SV	16	65	290	G.F.S	25	101	470	UPH1	11	45
112	M.F	41	16	291	G.F.S	25	101	471	G.F.G.S	2	8
113	UPH1	28	113	292	G.F	2	8	472	G.F.S	1	4
114	UPH1	28	113	293	G.F	82	332	473	UPH1	12	49
115	M.F	1	4	294	UPH1	1	28	474	G.F.S	1	4
116	G.F.G.S	45	182	295	UPH1	23	93	475	G.G	1	4
117	UPH1	12	49	296	UPH1	4	16	476	UPH1	69	278
118	UPH1	12	49	297	UPH1	4	16	477	G.F.G.S	2	8
119	GGS	1	4	298	UPH1	4	16	478	G	2	8
120	UPH1	10	40	299	G.F.G.S	8	32	479	UPH1	17	69
121	UPH1	10	40	300	UPH1	17	69	480	G	1	4
122	SWHCO	11	45	301	UPH1	17	69	481	G.F.G	1	4
123	UPH1	1	4	302	B.C.L	4	16	482	GGS	1	4
124	MNH1	1	4	303	G.F	1	4	483	G	1	4
125	SWH	23	93	304	G.F	1	4	484	UPH1	1	28
126	COH1	6	24	305	G.F.S	13	53	485	G.F	5	20
127	M.F	1	4	306	UPH1	6	24	486	UPH1	6	24
128	UPH1	1	4	307	UPH1	6	24	487	GGS	7	28
129	UPH1	1	4	308	UPH1	2	8	488	G	1	4
130	G.F.S	9	36	309	UPH1	2	8	489	G.F	1	4
131	G.F.S	5	20	310	G.F	1	4	490	UPH1	1	4
132	G.F.S	5	20	311	G.F	14	57	491	G.F	4	16
133	G.F.G.S	28	113	312	GGS	1	4	492	SV	16	67
134	G.F.G.S	30	121	313	UPH1	3	12	493	SWIM/VS	44	178
135	UPH1	10	40	314	GGS	3	12	494	SWIM/VS	54	202
136	UPH1	1	4	315	UPH1	6	24	495	UPH1	51	206
137	UPH1	1	4	316	G.F.S	2	8	496	UPH1	5	20
138	G.F.G.S	37	150	317	UPH1	7	20	497	G	9	36
139	UPH1	1									

PALAU ISLANDS

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Cole, Thomas G., Falaruw, Marjorie C., MacLean, Colin D., Whitesell, Craig D., Ambacher, Alan H. Vegetation survey of the Republic of Palau. Resour. Bull. PSW-22. Berkeley, CA: Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture, 1987.

VEGETATION LEGEND
For explanation of vegetation type codes see Table 7.

ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)
1	MNH	153.8	158	G.F.S.	1.4	314	M.F.C.	3.12	470	UPH	11.45
2	SWH	6.24	159	G.G.	3.12	315	G.G.	53.214	471	M.F.	4.16
3	G.G.S.	15.61	160	UPH	1.4	316	G.G.	2.8	472	SV	8.16
4	G.G.	15.61	161	B.C.L.	1.4	317	UPH	2.8	473	G.G.S.	4.16
5	MNH	11.45	162	G.F.S.	16.12	318	G.F.S.	16.12	474	SV	8.16
6	SWH	3.12	163	B.C.L.	3.12	319	G.F.S.	2.8	475	UPH	11.45
7	G.G.P.	10.4	164	G.F.S.	3.12	320	G.F.S.	4.16	476	UPH	11.45
8	SWH	5.20	165	G.F.S.	30.121	321	G.F.	1.4	477	G.G.S.	3.12
9	UPH	12.49	166	UPH	5.20	322	G.F.	3.12	478	G.G.S.	2.8
10	M.F.	12.49	167	G.F.	1.4	323	G.F.	1.4	479	G.G.	2.8
11	M.F.	2.8	168	G.S.	2.8	324	G.P.P.	12.49	480	G.G.S.	2.8
12	SWH	2.8	169	UPH	5.20	325	UPH	12.49	481	G.G.	3.12
13	G.G.S.	3.12	170	G.S.	2.8	326	G.G.	39.158	482	G.G.	2.8
14	SWH	15.61	171	M.F.C.	4.16	327	SWH	13.53	483	G.G.	2.8
15	G.G.	15.61	172	G.G.	4.16	328	G.P.P.	1.4	484	G.G.	2.8
16	UPH	2.8	173	UPH	6.24	329	G.G.	3.12	485	G.G.	2.8
17	UPH	2.8	174	G.G.	2.8	330	G.G.	3.12	486	UPH	22.89
18	SWH	3.12	175	G.G.	2.8	331	G.G.S.	2.8	487	G.F.S.	6.24
19	SWH	15.61	176	UPH	36.12	332	G.F.	1.4	488	UPH	610.249
20	COH	16.12	177	UPH	3.12	333	UPH	11.45	489	G.F.S.	1.4
21	SWH	6.24	178	UPH	1.4	334	UPH	4.16	490	G.F.S.	1.4
22	G.P.P.	6.24	179	UPH	1.4	335	UPH	5.20	491	G.G.S.	4.16
23	UPH	4.16	180	G.G.	40.162	336	G.F.S.	7.28	492	UPH	33.134
24	SWH	3.12	181	UPH	19.77	337	G.F.	1.4	493	G.G.S.	1.4
25	SWH	3.12	182	UPH	2.8	338	COH	7.28	494	UPH	10.4
26	SWH	2.8	183	UPH	2.8	339	G.G.S.	6.24	495	G.G.	1.4
27	G.G.	14.57	184	UPH	1.4	340	G.G.S.	5.20	496	G.F.S.	1.4
28	SWH	3.12	185	UPH	16.12	341	G.G.	7.28	497	G.F.S.	39.158
29	M.F.	4.16	186	UPH	128.465	342	G.F.	1.4	498	UPH	7.28
30	SWH	18.73	187	G.F.S.	2.8	343	G.F.S.	9.36	499	G.C.A.G.	3.12
31	G.F.F.	36.12	188	M.F.	1.4	344	UPH	11.45	500	UPH	25.101
32	UPH	17.69	189	G.G.S.	2.8	345	UPH	17.69	501	UPH	2.8
33	M.F.	1.4	190	G.G.S.	1.4	346	COH	2.8	502	UPH	11.45
34	G.G.	1.4	191	G.G.S.	1.16	347	G.F.	2.8	503	UPH	1.4
35	SWH	19.77	192	UPH	7.28	348	UPH	22.89	504	G.F.S.	1.4
36	G.G.S.	16.12	193	G.G.S.	2.8	349	UPH	8.12	505	UPH	8.12
37	M.F.	3.12	194	UPH	4.16	350	SWH	10.4	506	G.F.	1.4
38	M.F.	3.12	195	UPH	3.12	351	UPH	3.12	507	G.F.	1.4
39	SWH	1.4	196	G.F.S.	1.4	352	SWH	2.8	508	UPH	6.24
40	SWH	4.16	197	G.F.	1.4	353	G.F.	1.4	509	G.F.	2.8
41	SWH	3.12	198	G.F.S.	4.16	354	G.G.	1.4	510	UPH	6.24
42	SWH	3.12	199	G.G.	1.4	355	M.F.H.	1.4	511	UPH	6.24
43	G.G.	36.146	200	G.G.	1.4	356	UPH	25.101	512	UPH	10.4
44	G.G.	45.182	201	G.F.	1.4	357	UPH	8.12	513	UPH	5.20
45	G.G.	12.49	202	UPH	4.16	358	G.G.S.	4.16	514	G.G.S.	8.12
46	SWH	13.53	203	UPH	4.16	359	G.G.S.	4.16	515	G.G.	1.4
47	MNH	12.49	204	G.G.	6.24	360	R.H.	1.4	516	G.G.	1.4
48	G.P.P.	171.692	205	G.F.	1.4	361	R.H.	1.4	517	G.G.	1.4
49	SWH	9.36	206	G.F.	1.4	362	R.H.	1.4	518	G.G.	1.4
50	MNH	116.469	207	UPH	3.12	363	R.H.	1.4	519	G.G.	1.4
51	R.H.	3.12	208	UPH	7.28	364	R.H.	1.4	520	G.G.	1.4
52	G.G.	1.4	209	G.F.	1.4	365	R.H.	1.4	521	G.G.	23.93
53	G.G.	2.8	210	UPH	172.696	366	R.H.	2.8	522	UPH	22.89
54	MNH	23.93	211	G.G.	1.4	367	R.H.	1.4	523	G.G.	1.4
55	SWH	20.195	212	G.F.	1.4	368	G.F.	1.4	524	G.G.	1.4
56	UPH	40.162	213	G.F.	1.4	369	G.F.	1.4	525	G.G.	1.4
57	UPH	21.4	214	G.G.	1.4	370	G.F.	1.4	526	G.G.	1.4
58	UPH	17.69	215	M.F.	1.4	371	MNH	6.24	527	G.F.S.	4.16
59	UPH	10.4	216	UPH	11.45	372	G.G.	1.4	528	G.G.	4.16
60	SWH	10.4	217	M.F.	1.4	373	G.G.	1.4	529	G.G.	23.93
61	SWH	10.4	218	G.G.	1.4	374	G.G.	2.8	530	M.F.	1.4
62	G.P.P.	24.1	219	G.G.	1.4	375	G.G.	1.4	531	UPH	56.227
63	G.P.P.	6.24	220	G.G.	9.36	376	G.G.	2.8	532	G.G.	1.4
64	G.P.P.	3.12	221	M.F.	11.45	377	G.G.	1.4	533	MNH	12.49
65	UPH	4.16	222	L.F.	10.4	378	UPH	1.4	534	UPH	6.24
66	SWH	6.24	223	SWH	2.8	379	MNH	1.4	535	G.G.S.	5.20
67	UPH	43.20	224	UPH	7.28	380	UPH	3.12	536	UPH	30.121
68	C	1.4	225	L.F.	1.4	381	MNH	4.16	537	UPH	5.20
69	C	1.4	226	L.F.	1.4	382	MNH	1.4	538	MNH	134.542
70	C	1.4	227	G.G.	24.97	383	UPH	8.12	539	MNH	1.4
71	C	1.4	228	M.F.	16.12	384	UPH	16.12	540	UPH	1.4
72	COH	85.341	229	M.F.	2.8	385	G.G.	1.4	541	UPH	102.413
73	B.C.L.	5.20	230	G.G.S.	13.53	386	G.G.	1.4	542	UPH	41.166
74	G.F.S.	1.4	231	M.F.	1.4	387	MNH	3.12	543	UPH	1.4
75	M.F.	1.4	232	SV	3.12	388	MNH	20.113	544	UPH	2.8
76	G.P.P.	1.4	233	UPH	3.12	389	MNH	7.28	545	UPH	2.8
77	G.P.P.	1.4	234	SWH	15.61	390	MNH	27.109	546	UPH	34.138
78	UPH	22.89	235	SWH	11.45	391	UPH	3.12	547	UPH	163.660
79	G.F.S.	10.4	236	UPH	11.45	392	UPH	4.16	548	UPH	27.109
80	UPH	9.36	237	G.G.	4.16	393	UPH	1.4	549	UPH	42.170
81	G.P.P.	9.36	238	M.F.	1.4	394	UPH	1.4	550	UPH	1.4
82	UPH	15.61	239	M.F.	1.4	395	G.G.S.	2.8	551	UPH	186.789
83	G.G.	2.8	240	UPH	1.4	396	UPH	5.20	552	UPH	6.24
84	UPH	3.12	241	UPH	1.4	397	UPH	18.73	553	UPH	1.4
85	M.F.	1.4	242	G.G.S.	310.125	398	UPH	6.24	554	G.G.	1.4
86	UPH	14.57	243	MNH	397.231	399	UPH	5.20	555	UPH	1.4
87	UPH	7.28	244	SWH	7.28	400	G.F.S.	4.16	556	SWH	16.12
88	UPH	16.12	245	UPH	14.57	401	G.G.	4.16	557	UPH	1.4
89	UPH	16.12	246	UPH	14.57	402	G.G.	2.8	558	UPH	17.69
90	UPH	5.20	247	UPH	14.57	403	G.G.	1.4	559	UPH	1.4
91	M.F.S.	1.4	248	UPH	1.4	404	G.G.	1.4	560	UPH	1.4
92	SWH	181.732	249	G.F.S.	1.4	405	G.G.	1.4	561	UPH	1.4
93	G.G.	1.4	250	G.F.S.	1.4	406	G.G.	1.4	562	UPH	1.4
94	G.G.	8.12	251	UPH	9.36	407	UPH	1.4	563	UPH	1.4
95	UPH	26.195	252	UPH	1.4	408	UPH	1.4	564	UPH	1.4
96	UPH	6.24	253	G.F.S.	1.4	409	UPH	1.4	565	UPH	1.4
97	G.G.S.	5.20	254	UPH	15.61	410	UPH	1.4	566	UPH	1.4
98	UPH	10.4	255	G.G.	6.24	411	UPH	1.4	567	UPH	1.4
99	UPH	10.4	256	G.G.	6.24	412	UPH	1.4	568	UPH	1.4
100	SV	25.131	257	G.G.S.	8.12	413	UPH	1.4	569	UPH	1.4
101	G.G.	1.4	258	G.G.	8.12	414	UPH	1.4	570	UPH	1.4
102	SV	3.12	259	G.G.	3.12	415	UPH	1.4	571	UPH	1.4
103	G.G.	3.12	260	M.F.	3.12	416	UPH	1.4	572	UPH	1.4
104	G.G.	2.8	261	G.G.	2.8	417	G.F.S.	40.162	573	UPH	1.4
105	G.G.	4.16	262	M.F.	4.16	418	UPH	2.8	574	UPH	1.4
106	UPH	9.36	263	M.F.	5.20	419	UPH	5.20	575	UPH	1.4
107	UPH	2.8	264	UPH	2.8	420	UPH	1.4	576	UPH	1.4
108	UPH	2.8	265	UPH	2.8	421	UPH	1.4	577	UPH	1.4
109	UPH	2.8	266	G.F.S.	3.12	422	UPH	1.4	578	UPH	1.4
110	UPH	402.182	267	UPH	8.12	423	UPH	274.1109	579	UPH	8.12
111	UPH	6.24	268	G.G.	1.4	424	G.F.S.	10.73	580	UPH	331.1349
112	G.F.S.	1.4	269	G.G.	1.4	425	UPH	3.12	581	UPH	12.49
113	B.C.L.	113.61	270	UPH	3.12	426	UPH	3.12	582	UPH	1.4
114	G.G.S.	57.231	271	M.F.	4.16	427	G.F.	1.4	583	G.F.S.	2.8
115	UPH	11.45	272	M.F.	2.8	428	G.F.	1.4	584	G.F.S.	10.4
116	C	16.65	273	UPH	9.36	429	G.F.	1.4	585	G.F.S.	1.4
117	G.G.	7.28	274	G.G.	18.73	430	G.G.	2.8	586	G.F.S.	1.4
118	SWH	4.16	275	UPH	11.45	431	G.G.	2.8	587	G.F.	5.20
119	G.G.	7.28	276	UPH	5.20	432	G.G.	17.69	588	UPH	2.8
120	G.G.S.	3.12	277	G.G.	3.12	433	G.G.	1.4	589	UPH	4.16
121	G.F.S.	5.20	278	M.F.	1.4	434	G.G.	2.8	590	UPH	30.121
122	UPH	4.16	279	G.G.	2.8	435	UPH	12.49	591	UPH	7.28
123	G.G.S.	4.16	280	M.F.	1.4	436	G.G.	2.8	592	UPH	1.4
124	B.C.L.	10.4	281	UPH	26.105	437	UPH	153.619	593	UPH	5.2

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Cole, Thomas G., Falanruw, Marjorie C., MacLean, Colin D., Whitesell, Craig D., Ambacher, Alan H. Vegetation survey of the Republic of Palau. Resour. Bull. PSW-22 Berkeley, CA: Pacific Southwest Forest and Range Experiment Station Forest Service, U.S. Department of Agriculture: 1987.

For explanation of vegetation type codes see Table 7.

SCALE 1:20,000

SOUNDINGS IN METERS. DRAUGHTS IN FEET. APPROXIMATE LINE OF MEAN HIGH WATER

PALAU ISLAND
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PALAU ISLANDS

Index Map

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Cole, Thomas G., Falanruw, Marjorie C., MacLean, Colin D., Whitesell, Craig D., Ambacher, Alan H. Vegetation survey of the Republic of Palau. Resour. Bull. PSW-22 Berkeley, CA: Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture; 1987.

1	MNH	10	40	162	UPH	1	4	321	UPH	4	1.6
2	UPH/LSV	137	35.4	163	PFH/M	1	4	322	UPH/LSV	8	3.2
3	UPH	10	4	164	PFH/M	1	4	323	UPH	5	2.0
4	MNH	25	10.1	165	PFH	8	3.2	324	SVBB	22	8.9
5	G.G	1	1	166	U	6	2.4	325	UPM/CO	11	4.5
6	SV	5	2.0	167	G.F.S	7	2.8	326	C	1	4
7	SVBB	297	120.2	168	U	1	4	327	SVBB	10	4.0
8	UPH/LSV	84	34.0	169	G.F.S	12	4.9	328	G.G	3	1.2
9	UPH	30	12.1	170	PFH/M	1	4	329	COIM/UP	2	8
10	UPM/LSV	50	20.2	171	G.G	1	4	330	MNH	5	2.0
11	UPH	17	6.9	172	G.G	1	4	331	UPH	23	9.3
12	UPH	180	72.8	173	UP2M	12	4.9	332	UPH/CO	12	4.9
13	UPH	4391	1777.0	174	UP2M	33	13	333	G.F.G.S	8	3.2
14	MNH	70	28.3	175	SV	3	1.2	334	G.F.G.S	2	8
15	UPH	14	5.7	176	G.F.G.S	23	9.3	335	G	6	2.4
16	MNH	356	144.1	177	UP2M	6	2.4	336	COIH	1	4
17	G.F.G.S	67	35.2	178	G.G	6	2.4	337	UPH	1	4
18	UPH	16	7.3	179	UP2H	53	21.4	338	G	4	1.6
19	UPH	2	0.8	180	G.F.G.S	1	4	339	UPH	5	2.0
20	MNH	2	8	181	G	45	18.2	340	G.G	24	9.7
21	MNH	7	2.8	182	UPH	8	3.2	341	MNH	129	52.2
22	UPH	43	17.4	183	M.F	2	8	342	SWIM/LSV	6	2.4
23	MNH/R	43	17.4	184	UPH/LSV/BB	110	8	343	COIM/UP	71	28.7
24	SWIM/LSV/BB	21	6.5	185	G.G	36	14.6	344	G	2	8
25	UPH	40	16.2	186	M.F	1	4	345	COIM/LSV	5	2.0
26	UPH	11	4.5	187	UPH	1	4	346	G	16	6.4
27	G.G	2	8	188	M.F	3	1.2	347	UPH	4	1
28	UPH/LSV/BB	15	6.1	189	G.F.G	10	10	348	UPH	4	1.6
29	G.G.S	4	1.6	190	M.F	1	4	349	UPH	16	6.5
30	G.G.S	1	4	191	G.G	3	1.2	350	SVBB	21	8.1
31	UPH	12	4.9	192	G.F.G.S	8	3.2	351	UPH	5	2.0
32	G.G.S	71	28.7	194	M.F	1	4	352	UPH	1	4
33	SVBB	6	2.4	195	G.F.G	33	13.4	353	UPH/LSV	5	2.0
34	UPH	5	4	196	G.G	1	4	354	UPH	3	1.2
35	G.G.S	3	1.2	197	G.G	1	4	355	G.F.G.P	5	2.0
36	SV	3	1.2	198	G.G	4	1.6	356	COIM/UP	22	8.9
37	UPH	21	8.5	199	G.F.G.S	23	9.3	357	SV	3	1.2
38	G.G.S	201	81.3	200	UP2H	1	4	358	COIM/UP	2	8
39	G.G.S	2	8	201	G.G.S	10	5.0	359	UPH	1	4
40	G.G	2	8	202	G	6	2.4	360	G.G	6	2.1
41	UPH	4	1.6	203	G.G	5	1.2	361	G.B.G	77	31.2
42	SV	1	4	204	G.G	1	4	362	G.F.G.S	4	1.6
43	G.G	1	4	205	G.F	6	2.4	363	G.F.G.P	61	24.7
44	G.G	4	1.6	206	UP2H	3	1.2	364	SVBB	113	45.7
45	G.G.F	1	4	207	UP2M	23	9.3	365	G.G.P	42	17.0
46	G.G	1	4	208	SV	7	2.8	366	UPH	16	6.5
47	UPH	21	8.5	209	UP2H	1	4	367	G.G.S	29	11.7
48	G.G.S	201	81.3	210	G.G	5	2.0	368	G.G.S	2	8
49	G.G.S	2	8	211	UP2H	166	67.2	369	UPH	1	4
50	G.G.S	14	5.7	212	G.G	2	8	370	G.P.S	15	8.1
51	G.G.S	1	4	213	UPH	1	4	371	UPH	1	1.6
52	G.G	1	4	214	SV	3	1.2	372	UPH/LSV	5	2.0
53	G.G.S	1	4	215	UPH	6	2.4	373	G	8	3.2
54	G.G.S	1	4	216	G.G.S	7	2.8	374	G.P	6	2.4
55	G.F.S	6	2.8	217	UPH	5	2.0	375	UPH/LSV	51	12.5
56	G.F	1	4	218	B.CL	1	4	376	G.F.S	4	1.6
57	G.F	1	4	219	G.F.G.P	5	2.4	377	G.F.S	5	2.0
58	G.F	1	4	220	UPH/LSV	23	9.3	378	G	2	8
59	G.F	1	4	221	SV	2	8	379	M.F.P	2	8
60	G.F.S	5	2.0	222	G.F	1	4	380	M.F.P	1	4
61	UPH	1	4	223	G.G.S	1	1.6	381	UPH	15	6.1
62	UPH	1	4	224	UPH/CO	40	16.2	382	COIM/UP	18	7.3
63	UPH	2	8	225	U/C	14	5.7	383	COIM/UP	1	4
64	G.F	18	7.3	226	MNH/2	22	10.0	384	UPH	2	8
65	UPH	1	4	227	AG.CO	3	1.2	385	UPH	3	1.2
66	G.F	22	8.9	228	MNH	14	5.7	386	UPH	1	4
67	G.F	30	12.1	229	UPH	2	8	387	C	1	4
68	G.F	1	4	230	MNH	1	1.6	388	COIM/UP	5	2.0
69	G.F	1	4	231	G.G	52	21.0	389	COIM/UP	4	1.6
70	G.F	1	4	232	UPH/LSV/BB	51	20.6	390	U/C	35	14.2
71	G.F	1	4	233	MNH/1	21	8.5	391	SV	5	1.2
72	G.F	1	4	234	UPH	21	8.5	392	AG.CO	2	8
73	G.F	1	4	235	MNH	21	8.5	393	MNH	235	95.1
74	G.F	1	4	236	MNH	7	2.8	394	SWIM/LSV	6	2.4
75	G.F	1	4	237	UPH	8	3.2	395	INPH	13	4.7
76	G.G	30	12.1	238	B.CL	2	8	396	SWIM/LSV	8	3.2
77	UPH	4	1.6	239	B.R	2	8	397	G	28	11.3
78	UPH	6	2.4	240	MNH	5	1.6	398	ANPH	2	8
79	UPH	61	32.8	241	UPH	4	2.0	399	G.F.G.S	121	49.0
80	UPH	3	1.2	242	UPH	401	8	400	SWIH	17	6.9
81	SWIM/LSV/BB	18	7.3	243	MNH	7	2.8	401	SWIM/UP	15	6.1
82	SWIM	9	3.6	244	G.G.S	158	8.1	402	G.F	1	4
83	G.G	1	4	245	AG.CO	2	8	403	G.F	1	4
84	UPH	119	48.2	246	U/LSV/BB	28	11.3	404	UPH	1	4
85	G.G	1	4	247	SV/BB	28	11.3	405	SWIM/LSV	77	31.2
86	G.G	1	4	248	SV	6	2.4	406	SV	3	1.2
87	G.F.G.S	5	2.0	249	G.G.P.S	7	3.6	407	G.F.G	2	8
88	UPH	2	8	250	G.G.S	2	8	408	G.F.S	4	1.6
89	UPH	16	6.5	251	UPH	3	1.2	409	PFH/M	5	2.0
90	G.F	1	4	252	SV	1	1.6	410	G.G.S	3	1.2
91	UPH	2	8	253	SV	16	6.5	411	UPH/LSV	10	4.0
92	UPH	1	4	254	UPH	5	2.0	412	PFH	2	8
93	G.F	1	4	255	B.R	1	4	413	UPH	34	13.8
94	M.F	1	4	256	UPH	4	1.6	414	UPH	14	5.7
95	G.F	1	4	257	B.R	1	4	415	UPH	2	8
96	G.F	1	4	258	SV	1	4	416	G.F.S	6	2.4
97	G.G	2	8	259	UPH	7	2.8	417	G.F.G.S	6	2.4
98	UPH	19	7.7	260	U/C	1	4	418	UPH	7	2.8
99	G.B.G	10	4.0	261	SV	1	1.6	419	G.F.G.S	12	4.9
100	UPH	4	1.6	262	G.G	1	4	420	UPH	11	4.5
101	UPH	2	8	263	MNH	144	58.3	421	G.F.G.S	12	4.9
102	M.F	2	8	264	SWIM/LSV	5	2.0	422	G.S	3	1.2
103	G.G	1	4	265	UPH	1	4	423	UPH	2	8
104	G.G	1	4	266	UPH	4	1.6	424	G.F.G.S	2	8
105	G.G	1	4	267	UPH	2	8	425	G.G.S	1	4
106	M.F.P	3	1.2	268	UPH/LSV/BB	30	12.1	426	G.F.G	1	4
107	M.F.P	1	4	269	SV	7	2.8	427	G.G	1	4
108	UPH/LSV/BB	1	4	270	G.G	4	1.6	428	G.G	1	4
109	UPH/LSV/BB	1	4	271	UPH	3	1.2	429	G.G.S	2	8
110	M.F	1	4	272	B.R	1	4	430	UPH	12	4.9
111	G.G	8	3.2	273	UPH	1	4	431	UPH	8	3.2
112	G.F	1	4	274	UPH	2	8	432	G.F.G.S	2	8
113	SWIM/LSV	6	2.4	275	UPH	2	8	433	G.G	1	4
114	UPH	545	220.6	276	UPH/LSV	19	7.7	434	UPH	28	11.3
115	M.F	1	4	277	UPH	12	5.3	435	G.F.G.S	10	4.0
116	G.F	7	2.8	278	MNH	6	2.4	436	G.F	2	8
117	UPH	16	6.5	279	MNH/2	5	2.0	437	UPH	20	11.3
118	G.F	2	8	280	MNH	3	1.2	438	UPH	1	4
119	G.F	1	4	281	G.G.S	4	1.6	439	UPH	258	120.6
120	PFH	10	4.0	282	B.R	5	2.4	440	UPH	6	2.4
121	MNH/R	8	3.2	283	UPH	4	1.6	441	UPH	6	2.4
122	G.F	1	4	284	SV	4	1.6	442	UPH	6	2.4
123	G.F.S	39	19.8	285	UPH	14	5.7	443	UPH	8	3.2
124	UPH	1	4	286	G	17	5.3	444	G.F.G.S	15	6.1
125	UPH	1	4	287	G.G	121	49.0	445	UPH	5	2.0
126	G.F	1	4	288	G.P.S	1	4	446	G	1	4
127	UPH	4	1.6	289	G.G.S	1	1.6	447	UPH	24	10.1
128	G.F	1	4	290	MNH/R	3	1.2	448	G.G	2	8
129	UPH	12	4.9	291	UPH	4	1.6	449	G.G	4	1.6
130	G.F	1	4	292	UPH/LSV	7	2.8	450	G.F	2	8
131	UPH	3	1.2	293	UPH	1	4	451	UPH	26	10.5
132	UPH	6	2.4	294	UPH	1	4	452	G.F	7	2.8
133	G.F	4	1.6	295	UPH	1	4	453	G.F	2	8
134	MNH/R	6	2.4	296	UPH	1	4	454	G.F	2	8
135	MNH/R	5	2.0	297	G.F.P	15	6.1	455	G.F.S	6	2.4
136	UPH	2	8	298	UPH	11	4.5	456	UPH	3	1.2
137	PFH	1	4	299	G.F	4	1.6	457	G.F.S	8	3.2
138	UPH	1	4	300	G.F.G	2	8	458	SV	13	5.3
139	UPH	5	2.0	301							

PALAU ISLANDS

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Cole, Thomas G., Falanruw, Marjorie C., MacLean, Colin D., Whitesell, Craig O., Ambacher, Alan H. Vegetation survey of the Republic of Palau. Resour. Bull. PSW-22 Berkeley, CA Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture, 1987

VEGETATION LEGEND
For explanation of vegetation type codes see Table 7

ITEM	LABEL	AREA (ACRES) (HECTARES)	ITEM	LABEL	AREA (ACRES) (HECTARES)	ITEM	LABEL	AREA (ACRES) (HECTARES)
1	UPZH	480 194.2	131	UPOH	3 1.2	261	GFG	1 4
2	GFS	3 1.2	132	GFGS	6 2.4	262	GFGS	2 8
3	GFS	1 4	133	UPOH	4 1.6	263	GGS	1 16
4	UPH	6345 2567.7	134	GGS	2 8	264	SV	3 12
5	GFGS	10 4.0	135	AGCO	2 8	265	GFG	14 5.7
6	UPH	1 4	136	SV	2 8	266	GFS	2 8
7	GFGS	6 2.4	137	GFG	1 4	267	UPOH	7 2.8
8	GFS	4 1.6	138	C	2 8	268	G	2 8
9	GFS	2 8	139	M	2 8	269	SV	9 3.6
10	GFGS	48 19.4	140	GDF	2 8	270	UPH	6 2.4
11	M	4 1.6	141	C	1 4	271	SV	6 2.4
12	UPH	2 8	142	UPH	3 1.2	272	GGS	3 12
13	UPH	7 2.8	143	G	1 4	273	SV	7 2.8
14	UPH	10 4.0	144	M	2 8	274	UPH	9 3.6
15	G	1 4	145	GGS	3 1.2	275	UPH	13 5.3
16	G	5 2.0	146	UPH	1 16	276	G	1 4
17	GFGS	47 19.0	147	GFG	10 4.0	277	GGS	3 12
18	GGS	6 2.4	148	UPH	5 2.0	278	UPH	4 1.6
19	GFS	1 4	149	UPH	2 3.6	279	COIH	5 2.0
20	UPH	1 4	150	SWIM/SV	10 4.0	280	SV	5 2.0
21	GFS	2 8	151	SWIM/SV	5 2.0	281	M	2 8
22	G	1 4	152	G	3 1.2	282	G	2 8
23	GFS	1 4	153	SV	2 8	283	G	3 12
24	G	1 4	154	COIM/SV	38 15.4	284	COIH	24 9.7
25	G	1 4	155	SWIM/SV	10 4.0	285	UPH	1 16
26	UPM	31 12.5	156	G	2 8	286	W	1 4
27	GFGS	2 8	157	G	1 4	287	U	1 4
28	G	1 4	158	M	1 4	288	MNOHR	30 12.1
29	GGS	9 3.6	159	G	1 4	289	U	1 4
30	GFGS	18 7.3	160	SWIL/SV	3 1.2	290	SV	5 2.0
31	UPH	10 4.0	161	C	2 8	291	C	9 3.6
32	UPH	1 4	162	M	2 8	292	MNIH	122 49.4
33	G	1 4	163	SWH	2 8	293	SWIL	58 23.5
34	UPH	4 1.6	164	G	2 8	294	G	1 4
35	COIH	2 8	165	G	2 8	295	G	1 4
36	G	6 2.4	166	G	6 2.4	296	SV	12 4.9
37	AGCO	3 1.2	167	SV	2 8	297	UPH	3 1.2
38	UPH	1 4	168	COIH	10 4.0	298	SV	2 8
39	G	1 4	169	COIH	2 8	299	COIM/SV	7 2.8
40	G	1 4	170	G	3 1.2	300	SV	2 8
41	UPH	3 1.2	171	COIH	3 1.2	301	UPH	15 6.1
42	GFGS	7 2.8	172	M	9 3.6	302	UPH	15 6.1
43	UPH	4 1.6	173	SWIM/SV	16 7.3	303	COIH	25 10.1
44	UPH	9 3.6	174	SV	1 12	304	MNIH	5 2.0
45	G	3 1.2	175	SV	1 12	305	G	3 1.2
46	UPH	26 10.5	176	SV	1 4	306	G	1 4
47	COIH	3 1.2	177	M	4 1.6	307	UPH	10 4.0
48	AGCO	30 15.8	178	G	4 1.6	308	COIM/SV	10 4.0
49	MNIH	11 4.5	179	G	3 1.2	309	UPH	1 4
50	MNIH	1 4	180	UPH	2 8	310	MNIH	41 16.6
51	U	2 8	181	G	1 4	311	UPH	13 5.3
52	COIM/SV	3 1.2	182	SV	1 4	312	UPH	180 194.2
53	UPM	10 4.0	183	GGS	2 8	313	SV	1 4
54	UPH	10 4.0	184	SV	5 2.0	314	MNIH	1 4
55	UPH	4 1.6	185	GGS	2 8	315	AGCO	5 2.0
56	MNIH	46 18.6	186	SV	4 1.6	316	SWH	14 5.7
57	COIM/SV	1 2.8	187	UPH	1 4	317	MNIH	17 6.9
58	G	1 4	188	SV	1 4	318	SWIM/SV	27 10.9
59	G	1 4	189	G	1 4	319	G	1 4
60	SV	2 8	190	SV	2 8	320	GFS	1 4
61	U	1 4	191	UPH	2 8	321	M	3 1.2
62	U	2 8	192	GFS	7 2.8	322	G	11 4.5
63	COIM/M	16 6.5	193	GFS	3 1.2	323	GFGS	3 1.2
64	COIM/SV	9 3.6	194	GFGS	7 2.8	324	UPH	1 4
65	G	6 2.4	195	UPH	1 4	325	UPH	9 3.6
66	COIH	4 1.6	196	GFGS	4 1.6	326	M	1 4
67	G	2 8	197	GFGS	3 1.2	327	M	6 2.4
68	C	1 4	198	G	1 4	328	GGS	8 3.2
69	UPH	54 21.9	199	GGS	13 5.3	329	GGS	10 4.0
70	MNIH	54 21.9	200	UPH	126 293.8	330	GGS	10 4.0
71	SV	18 7.3	201	GFGS	8 3.2	331	MFP	1 4
72	SV	18 7.3	202	UPH	75 30.4	332	G	1 4
73	COIH	2 8	203	GGS	2 8	333	MFP	1 4
74	SWH	10 4.0	204	GGS	2 8	334	MFP	1 4
75	G	9 3.6	205	GFGS	2 8	335	UPH	3 1.2
76	G	7 2.8	206	G	2 8	336	GGS	4 1.6
77	MNIH	162 65.6	207	GFG	1 4	337	UPH	2 8
78	MNOHR	6 2.4	208	GGS	2 8	338	GFS	1 4
79	MNOHR	47 19.0	209	GFS	3 1.2	339	G	2 8
80	SWIL	26 10.5	210	GGS	1 12	340	G	2 8
81	COIM/SV	33 13.4	211	GFGS	2 8	341	UPH	22 8.9
82	SV	2 8	212	UPH	2 8	342	SWH	3 1.2
83	G	11 4.5	213	G	2 8	343	UPH	6 2.4
84	UPH	23 9.3	214	GGS	2 8	344	GGS	23 9.3
85	G	4 1.6	215	G	3 1.2	345	M	1 4
86	G	7 2.8	216	G	2 8	346	M	1 4
87	UPH	7 2.8	217	GGS	2 8	347	M	1 4
88	C	1 4	218	C	31 12.5	348	GFS	4 1.6
89	UPH	4 1.6	219	G	3 1.2	349	GFGS	3 1.2
90	GFGS	6 2.4	220	M	1 4	350	GFS	20 8.1
91	G	1 4	221	M	1 4	351	GFS	3 1.2
92	GFGS	4 1.6	222	M	1 4	352	GFS	3 1.2
93	G	10 4.0	223	M	1 4	353	GFS	1 4
94	UPH	44 17.8	224	G	3 1.2	354	GFGS	2 8
95	UPH	14 5.7	225	M	2 8	355	GFS	2 8
96	G	2 8	226	M	1 4	356	GFS	19 7.7
97	GGS	1 4	227	UPH	7 2.8	357	GFS	6 2.4
98	GGS	2 8	228	SV	3 1.2	358	GFGS	11 4.5
99	G	1 4	229	SV	1 4	359	G	1 4
100	C	2 8	230	M	1 4	360	G	5 2.0
101	G	4 1.6	231	M	2 8	361	GFS	7 2.8
102	UPM	4 1.6	232	GFS	1 4	362	UPH	3 1.2
103	G.C.A.G	6 2.4	233	GFS	2 8	363	GFGS	43 17.4
104	SV	2 8	234	G	8 3.2	364	GFGS	1 4
105	UPH	2 8	235	UPH	6 2.4	365	GFS	2 8
106	SV	2 8	236	UPH	3 1.2	366	GFS	1 4
107	GFGS	100 43.7	237	GFGS	5 2.0	367	GFGS	4 1.6
108	GGS	1 4	238	UPH	16 6.5	368	GFS	3 1.2
109	GGS	1 4	239	GFGS	3 1.2	369	GFS	41 16.6
110	GGS	2 8	240	GFGS	1 4	370	GFS	2 8
111	UPH	3 1.2	241	UPH	1 4	371	M	1 4
112	UPH	3 1.2	242	UPH	5 2.0	372	M	1 4
113	GGS	8 3.2	243	G	1 4	373	M	2 8
114	G	3 1.2	244	GFGS	1 4	374	M	1 4
115	UPH	2 8	245	G.B.GS	1 4	375	G	1 4
116	UPH	2 8	246	GFG	3 1.2	376	G	1 4
117	GGS	1 4	247	GFGS	1 4	377	G	1 4
118	SV	1 4	248	G	1 4	378	GFS	52 21.0
119	UPH	3 1.2	249	GFGS	11 4.5	379	G	8 3.2
120	C	17 6.9	250	M	1 4	380	GFS	5 2.0
121	SV	5 2.0	251	UPH	26 10.5	381	UPH	1 4
122	UPH	3 1.2	252	G	4 1.6	382	GFGS	2 8
123	UPH	1 4	253	SV	15 6.1	383	UPH	26 10.5
124	UPH	56 22.7	254	UPH	2 8	384	SV	1 4
125	UPH	3 1.2	255	GGS	1 4	385	G	3 1.2
126	GGS	46 18.6	256	UPH	4 1.6	386	GFGS	12 4.9
127	UPH	3 1.2	257	UPH	2 8	387	GFGS	5 2.0
128	C	2 8	258	UPH	2 8	388	GGS	7 2.8
129	GGS	6 2.4	259	GGS	1 4	389	GGS	23 9.3
130	G	1 4	260	G	1 4	390	UPH	386 155.2
						391	MFP	33 13.3
						392	UPH	18 7.2

PALAU ISLANDS

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Produced by the United States Geological Survey
in cooperation with Trust Territory of the Pacific Islands
Control by FWS and FTH
Compiled by photo-interpretation, satellite from aerial photography
1964 and 1975-77. Field checked 1975. (Landsat and other 1980
Map dated 1981)
Projection and datum grid refer to the coordinate system
indicated in the map's title block.

SHORELINE SKETCH REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 METER

Vegetation map compiled by Pacific Southwest Forest and Range
Experiment Station, Forest Service, U.S. Department of Agriculture
Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific
Southwest Region, Engineering Geomatics Section, 1987.

VEGETATION LEGEND
For explanation of vegetation type codes see Table 7.

ITEM	LABEL	AREA (ACRES) (HECTARES)
KOROR		
1	MN1H	28 11.3
2	MN1H	2 8
3	U	48 18.6
4	C	5 2.0
5	MN1H	10 4.0
6	SV	2 8
NGERCHAOL		
1	RI1H	17 6.6
2	W	1 4
3	W	1 4
4	RI1H	34 13.7
5	RI1H	93 37.6
6	W.S	1 4
7	RI1H	2 8
8	RI1H	2 8
9	RI1H	1 4
10	RI1H	1 4
11	U	1 4
12	RI1H	1 4
NGEREKEBESANG		
1	G.G	2 8
2	UP1H	90 36.4
3	G.G	4 1.6
4	UP2M	5 2.0
5	G.G.P	4 1.6
6	G.G	6 2.4
7	MN1H	8 3.2
8	G.G	7 2.8
9	UP1H	85 34.3
10	G.S	1 4
11	G.G	5 2.0
12	G.G.P	5 2.0
13	UP1HP	5 2.0
14	G.G.S	2 8
15	C	1 4
16	SV	6 2.4
17	U	26 10.5
18	SV/C	4 1.6
19	G.G	2 8
20	SV	1 4
21	C	8 3.2
22	G.G.S	20 8.0
23	UP1H	23 9.3
24	U/C	7 2.8
25	SV	4 1.6
26	G.G	3 1.2
27	U	1 4
28	C	1 4
29	G.G	3 1.2
30	C	1 4
31	UP1M/SV	24 9.7
32	G.G	3 1.2
33	C	5 2.0
34	U	1 4
35	UP1H	4 1.6
36	G.G	4 1.6
37	G.F.S	1 4
38	UP1H	47 19.0
39	SV	11 4.4
40	SV	1 4
41	RI1H	3 1.2
42	G.G.S	9 3.6
43	U	1 4
44	G.G.S	8 3.2
45	U	1 4
46	UP1H	11 4.4
47	MN1H	2 8
48	MN1H	1 4
49	MN1H	15 6.0
50	C	2 8
51	C	1 4
52	C	4 1.6
53	C	1 4
54	G.G	1 4
55	C	3 1.2
56	M.E	1 4
57	SV	4 1.6
58	U	56 22.6
59	C	2 8
60	MN1H	2 8
61	MN1H	5 2.0
62	G.G	13 5.2
63	MN1H	3 1.2
64	SV	3 1.2
65	G.S	1 4
66	C	1 4
NGERUR		
1	RI1H	13 5.2
UCHULANGAS		
1	U	5 2.0

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ITEM	LABEL	AREA		ITEM	LABEL	AREA		ITEM	LABEL	AREA	
		HACRE	HECTARE			HACRE	HECTARE			HACRE	HECTARE
BABELTHUAP											
1	UPH1	4079	1550.7	142	UPH1M	2	8	282	W	4	16
2	G F G S	1	2	143	G G	3	8	283	G G	1	4
3	G G S	2	8	144	UPH1	1	12	284	G G	2	8
4	G G S	1	4	145	G G S	54	219	285	MNDRH	34	138
5	UPH0H	9	36	146	UPH2	4	16	286	C	8	32
6	G G S	1	2	147	UPH1	2	20	287	MNDRH	40	160
7	G F G S	1	4	148	UPH1	1	4	288	RIH1	2	8
8	G F G S	2	8	149	UPH2	9	36	289	W	1	4
9	G F S	2	8	150	UPH1	7	28	290	G G	1	4
10	G F	2	8	151	G G S	3	12	291	C	3	12
11	G F	1	4	152	M F P	5	20	292	SV	1	4
12	G F	1	4	153	UPH0	1	16	293	RIH1	11	45
13	UPH1	5	20	154	UPH1	4	16	294	MNDRH	1	4
14	G G S	7	28	155	MNML	6	24	295	SWIMSV	15	61
15	G G S	1	4	156	C	1	4	296	MNDRH	17	69
16	G F G S	6	24	157	UPH1	2	8	312	G G S	4	16
17	G D F S	1	4	158	UPH1	2	8	313	G G	1	4
18	G S	1	4	159	UPH2	2	8	314	G G	1	4
19	UP2M	145	587	160	M F P	2	8	315	SWIMSV	0	16
20	G G S	1	4	161	M F P	2	8	316	G G	40	160
21	G G S	2	8	162	UPH1	7	28	317	C	1	4
22	G F G S	6	24	163	G F G P	97	393	318	G G	3	12
23	G F S	3	12	164	UPH1	5	20	319	UPH1	21	84
24	UPH1	5	20	165	UPH1	1	4	320	AG	14	57
25	UPH1	17	69	166	UPH0	22	89	321	UPH1SW	2	8
26	G F G S	36	146	167	AG CO	2	8	322	UPH2	2	8
27	UPH1	23	93	168	UP2M/SV	3	12	323	UPH1	3	12
28	UPH1	2	8	169	G	4	16	324	G G S	1	4
29	SV	3	12	170	G	12	48	325	G C A G	6	24
30	G F G S	18	73	171	G G S	8	32	326	UPH1	2	8
31	UPH1	13	53	172	UPH1	2	8	327	C C A G	169	684
32	G F G S	38	154	173	SWIMSV	8	32	328	MNDRH	42	170
33	SV	8	32	174	G	3	12	329	G F G S P	263	104
34	UPH1	1	4	175	G	41	166	330	U	123	1336
35	COH1	1	28	176	M F P	7	28	331	B D	5	20
36	MNDRH	787	1018	177	UPH1	15	61	332	B D	5	20
37	SWIM	2	8	178	G F	7	28	333	B D	5	20
38	G G	60	243	179	G F G S	43	171				
39	UPH1	8	32	180	G	4	16	KOROR			
40	UPH1	3	12	181	UPH1	4	16	1	MNDRH	73	295
41	UPH1	1	4	182	UPH1	5	20	2	MNDRH	18	73
42	G F G	22	89	183	MNDRH	66	267	3	SV	2	8
43	G F S	2	8	184	SWIMSV	40	160	4	MNDRH	1	4
44	G G S	57	231	185	M F P	3	12	5	UPH1	20	81
45	SV	5	20	186	UPH1	4	16	6	SV	2	8
46	G F G S	36	146	187	UPH1	2	8	7	OSV	3	12
47	G G S	18	73	188	UPH1	1	4	8	MNDRH	30	121
48	G G S	4	16	189	M F	1	4	9	MNDRH	13	53
49	G G S	3	12	190	C	1	4	10	SWIMSV	19	77
50	G G	1	4	191	MNDRH	11	40	11	UPH1	1	4
51	G G	1	4	192	G D F S	13	53	12	U	1	4
52	G G S	3	12	193	MNDRH	7	28	13	RIH1	33	134
53	M F P	194	769	194	AG CO	31	125	14	MNDRH	15	56
54	G G S	1	4	195	G G	8	32	15	UPH1	4	16
55	G G S	2	8	196	COH1	1	4	16	RIH1	8	32
56	G G S	1	4	197	G	4	16	17	SV G	2	8
57	G F G	1	4	198	G G	3	12	18	UPH1	18	73
58	G F G	2	8	199	C	1	4	19	RIH1	12	49
59	M F P	2	8	200	C	1	4	20	W S	3	12
60	M F P	1	201	201	U	21	84	21	MNDRH	21	84
62	G G	2	8	202	MNDRH	1	4	22	SV	6	24
63	G G	1	4	203	MNDRH	11	45	23	U	1	4
64	G G S	1	4	204	MNDRH	47	178	24	G G	1	4
65	MNDRH	16	65	205	MNDRH	14	57	25	POH1	1	4
66	G G	14	57	206	MNDRH	3	16	26	C	5	20
67	G G S	14	57	207	SV	4	12	27	SV	43	174
68	UP2M	6	24	208	SWIMSV	6	24	28	U	2	8
69	G F	1	4	209	SV	2	8	29	SV	3	12
70	G F G S	1	4	210	SWIMSV	14	57	30	PH1S	5	20
71	G F	1	4	211	COH1UP	1	4	31	G G S	1	4
72	UPH2	3	12	212	AG	3	12	32	U	1	4
73	G F G S	1	4	213	SVBB	5	20	33	C/SV	3	12
74	G G	24	97	214	G G	67	267	34	C/SV	5	20
75	M F P	3	12	215	UPH1	75	304	35	U	1	4
76	SWIL/SV	25	101	216	M F P	3	12	36	U/SV	8	32
77	SWIL/SV BB	50	202	217	G F C P	24	97	37	U	5	20
78	G G	3	12	218	UPH1	3	12	38	G G	4	16
79	UPH1	2	8	219	G F G P	160	648	39	UPH1	35	123
80	G G	1	4	220	B D	8	32	40	G G	7	28
81	G G	1	4	221	UPH1	1	4	41	G G	3	12
82	COH1UP	3	12	222	UPH1	28	113	42	G G	4	16
83	UPH1	15	61	223	G G	43	174	43	SV	13	53
84	G G	1	4	224	U	4	16	44	G G	12	48
85	G F G S	1	4	225	G G	11	45	45	MNDRH	10	41
86	G G S	3	12	226	U	9	36	46	U/C	16	65
87	UPH2	17	69	227	UP2M/SV	2	8	47	C	8	32
88	G G	4	16	228	UPH1	48	192	48	UPH1	29	117
89	UPH1	14	57	229	UPH1	3	12	49	MNDRH	8	32
90	G G S	2	8	230	U/C	51	206	50	U	1	4
91	G G S	3	12	231	UPH1	3	12	51	SV	5	20
92	UPH2	3	12	232	C	4	16	52	C	15	61
93	G F G S	3	12	233	G G S	1	4	53	U/C	6	24
94	G F G S	6	24	234	G G	17	69	54	U	2	8
95	UP2M	38	154	235	SV	2	8	55	U/C	2	36
96	G F G S	22	89	236	UPH1	8	32	56	C	21	84
97	UPH2	28	113	237	G G	6	24	57	UPH1SV	15	61
98	G G	9	36	238	MNDRH	16	65	58	MNDRH	14	57
99	G G	9	36	239	SWIMSV	30	154	59	C/SV	48	194
100	G F G S	14	57	240	M F C	2	8	60	UPH1	48	194
101	G G S	11	45	241	C	24	97	61	C	46	186
102	UPH1	10	40	242	COH1UP	1	4	63	UPH1SV	4	16
103	UPH1	2	8	243	UPH1	3	12	64	U	267	1081
104	G G S	3	12	244	G G	3	12	65	MNDRH	26	105
105	UPH1	2	8	245	UPH1	4	16	66	UPH1	12	49
106	G F G P	16	65	246	C	4	16	67	MNDRH	17	69
107	UPH2	6	24	247	G	3	12	68	C	3	12
108	UP2M	20	81	248	G	2	8	69	C	8	32
109	UPH1	16	65	249	SWIMSV	4	16	70	SV	1	4
110	G G S	3	12	250	UPH1	15	61	71	SV	2	8
111	G F S	3	12	251	UPH1	1	4	72	U/C	2	8
112	UPH1	4	16	252	SWIM	2	8	73	SWIL/SV	7	28
113	G G	4	16	253	COH1MSW	1	4				
114	G G S	4	16	254	M F C	13	53	NGEREAM			
115	UPH1	5	20	255	AG CO	16	65	297	RIH1	4	16
116	G G	2	8	256	C	1	4	298	RIH1	154	623
117	UPH1	1	4	257	UPH1	2	8	299	RIH1	2	8
118	G G	18	32	258	C	4	16	300	MNDRH	2	8
119	5 G G	5	20	259	SWIMSV	6	24	301	RIH1	3	12
120	UPH1	1	4	260	UPH1	1	4	302	RIH1	1	4
121	G G	1	4	261	C	7	28	303	RIH1	1	4
122	G G S	9	36	262	UPH1MVC	15	57	304	RIH1	1	4
123	G F G S	11	45	263	UPH1	6	24	305	RIH1	1	4
124	G G	4	16	264	UPH0	9	36	306	RIH1	64	259
125	G G S	2	8	265	G G	2	8	307	W	1	4
126	UPH1	1	4	266	M F P	2	8	308	RIH1	1	4
127	G F G P	69	279	267	G G S	3	12	309	RIH1	1	4
128	UPH1	28	113	268	G G S	99	401	310	RIH1	1	4
129	UPH1	9	36	269	UPH1CO	9	36	311	RIH1	7	28
130	UPH1	2	8	270	G G	3	12				
131	UPH1	3	12	271	SV	7	28	CHESCHOSORU			
132	G G S	1	4	272	UPH1	12	49	1	RIH1	22	89
133	UPH1	7	28	273	SV	4	16				
134	G G S	5	20	274	SV	1	4	NGKESILL			
135	C C A G	105	425	275	G G	160	684				
136	C	10	40	276	UPH1	1	4	1	RIH1	4	16
137	G G	10	40	277	C/SV	2	8				
138	UPH1	2	8	278	UPH2SV	7	28				
139	G G	7	28	279	UPH1SV	9	36				
140	G G	18	73	280	UPH1SV	18	73	1	RIH1	6	24
141	G G	5	20	281	UPH1SV	5	20				

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comprised by one satellite that made two series of primary orbits
after 1974 and 75. One in 1975 launched for one orbit 1980
More added '90

Images are used more to get to know moderate systems
Well-defined, unmodified geophysical

Major quality limitations have been noted and will be more

CONTOUR INTERVAL 10 METERS
SUPPLEMENTARY CONTOUR INTERVAL 5 METERS
DATUM IS MEAN SEA LEVEL

Vegetation map compiled by Pacific Southwest Forest and Range Experiment Station and Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture
Contributors: Dr. Alan M. Amthor, USDA, Forest Service, Pacific

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 Pacific Southwest Forest and Range Experiment Station
 Forest Service, U.S. Department of Agriculture, 1987

Produced by the United States Geological Survey
in cooperation with the Trust Territory of the Pacific Islands
Cartography by the United States Geological Survey
Map scale 1:20,000. 1 inch = 1.6 kilometers (1 mile).
Map revised 1983.

181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000.

CONTOUR INTERVAL 10 METERS
SUBTERRANEAN CONTOUR INTERVAL 5 METERS
DATUM IS MEAN SEA LEVEL

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 4 METERS

Vegetation map compiled by Pacific Southwest Forest and Ranger
Experiment Station and Pacific Northwest Forest and Range
Experiment Station, Forest Service, U.S. Department of Agriculture.
Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific
Southwest Region, Engineering Geomorphology Section, 1987.

VEGETATION LEGEND

For explanation of vegetation type codes see Table 7.

| ITEM | LABEL | AREA
(ACRES) (HECTARES) | ITEM | LABEL | AREA
(ACRES) (HECTARES) |
|------|-------------|----------------------------|------|-----------|----------------------------|
| 1 | UP1H | 1654 668.4 | 84 | UP1H | 11 4.5 |
| 2 | G.F.G.S | 2 .8 | 85 | G.C.A.G.P | 18 7.3 |
| 3 | UP2M | 20 8.1 | 86 | G.C.A.G | 10 4.0 |
| 4 | G.F.S | 2 .8 | 87 | MNZH | 13 5.3 |
| 5 | G.F.G.S | 1 .4 | 88 | G.G | 4 1.6 |
| 6 | G.F.G.S | 2 .8 | 89 | CO1M.SW | 4 1.6 |
| 7 | M.F.P | 2 .8 | 90 | RI1H | 10 4.0 |
| 8 | SW1M/SV | 60 24.3 | 91 | CO1M.SW | 2 .8 |
| 9 | M.F.P | 1 .4 | 92 | MNZH.R | 19 7.7 |
| 10 | M.F | 2 .8 | 93 | RI1H | 8 3.2 |
| 11 | SW1M/SV | 27 10.9 | 94 | MNZH.R | 30 12.1 |
| 12 | UP1H | 105 42.5 | 95 | G.G | 10 4.0 |
| 13 | MNZH | 910 368.3 | 96 | RI1H | 2 .8 |
| 14 | UP1L.SW | 8 3.2 | 97 | CO1M/SV | 11 4.5 |
| 15 | CO1H | 2 .8 | 98 | CO1M.SW | 7 2.8 |
| 16 | SW1H | 1 .4 | 99 | CO1M.UP | 1 .4 |
| 17 | MNZH.R | 27 10.9 | 100 | RI1H | 3 1.2 |
| 18 | MNZH.R | 6 2.4 | 101 | MNZH.R | 61 24.7 |
| 19 | CO1M.SW | 8 3.2 | 102 | RI1H | 44 17.8 |
| 20 | G.G | 1 .4 | 103 | CO1M.SW | 5 2.0 |
| 21 | CO1M.SW | 4 1.6 | 104 | RI1H | 2 .8 |
| 22 | G.G | 1 .4 | 105 | CO1M/SV | 3 1.2 |
| 23 | G.G | 3 1.2 | 106 | SV | 8 3.2 |
| 24 | G.G | 2 .8 | 107 | CO1H | 8 3.2 |
| 25 | G.G | 2 .8 | 108 | UP1L | 3 1.2 |
| 26 | G.G | 1 .4 | 109 | CO1H | 8 3.2 |
| 27 | UP1H | 2 .8 | 110 | UP1H | 2 .8 |
| 28 | G.G | 2 .8 | 111 | M.F | 2 .8 |
| 29 | G.G | 2 .8 | 112 | RI1H | 5 2.0 |
| 30 | SW1M/SV | 12 4.9 | 113 | RI1H | 1 .4 |
| 31 | AG.CO.M.F | 12 4.9 | 114 | AG.CO | 2 .8 |
| 32 | G.G | 1 .4 | 115 | CO1H | 1 .4 |
| 33 | G.G.S | 1 .4 | 116 | CO1H | 1 .4 |
| 34 | G.G.S | 1 .4 | 117 | RI1H | 3 1.2 |
| 35 | G.F.G.S | 1 .4 | 118 | RI1H | 5 2.0 |
| 36 | G.F.G.S | 3 1.2 | 119 | RI1H | 3 1.2 |
| 37 | G.F.G.S | 8 3.2 | 120 | RI1H | 6 2.4 |
| 38 | G.F.G.S | 4 1.6 | 121 | RI1H | 87 35.2 |
| 39 | G.G.S | 1 .4 | 122 | CO1H | 1 .4 |
| 40 | G.G.S | 1 .4 | 123 | RI2H | 3 1.2 |
| 41 | G.G.S | 1 .4 | 124 | W | 1 .4 |
| 42 | G.G.S | 1 .4 | 125 | W | 1 .4 |
| 43 | G.G.S | 38 15.4 | 126 | MNZH | 2 .8 |
| 44 | G.F.G.S | 4 1.6 | 127 | UP1H | 10 4.0 |
| 45 | G.G.S | 14 5.7 | 128 | C | 12 4.9 |
| 46 | UP2H | 9 3.6 | 129 | CO1H | 1 .4 |
| 47 | UP2M | 20 8.1 | 130 | AG.CO | 1 .4 |
| 48 | G.G.S | 11 4.5 | 131 | MNZH | 3 1.2 |
| 49 | G.F.G | 4 1.6 | 132 | MNZH.D | 2 .8 |
| 50 | G.F.G | 4 1.6 | 133 | G.G.S | 14 5.7 |
| 51 | UP2M | 2 .8 | 134 | UP1H | 28 11.7 |
| 52 | UP2M | 21 8.5 | 135 | G.G.S | 10 4.0 |
| 53 | G.F.G.S | 8 3.2 | 136 | UP2H | 9 3.6 |
| 54 | CO1M.SW | 12 4.9 | 137 | UP2M | 4 1.6 |
| 55 | G.G | 1 .4 | 138 | UP2M | 3 1.2 |
| 56 | G.G | 2 .8 | 139 | UP2M | 7 2.8 |
| 57 | UP2H | 7 2.8 | 140 | UP2M | 8 3.2 |
| 58 | G.G | 1 .4 | 141 | UP2M | 6 2.4 |
| 59 | UP2M | 20 8.1 | 142 | G.F.G.S | 19 7.7 |
| 60 | UP2H | 4 1.6 | 143 | UP2M | 18 7.3 |
| 61 | G.F.G.S | 17 6.9 | 144 | UP2M | 9 3.6 |
| 62 | G.C.A.G.P.S | 73 29.5 | 145 | G.G.S | 1 .4 |
| 63 | UP1H | 4 1.6 | 146 | UP2H | 6 2.4 |
| 64 | UP2H | 12 4.9 | 147 | G.G.S | 1 .4 |
| 65 | G.F.G.S | 21 8.5 | 148 | G.G.S | 4 1.6 |
| 66 | G.G.S | 4 1.6 | 149 | UP2H | 2 .8 |
| 67 | G.F.G.S | 2 .8 | 150 | G.C.A.G | 8 3.2 |
| 68 | G.G.S | 32 12.9 | 151 | UP1H | 2 .8 |
| 69 | UP1H | 1 .4 | 152 | G.F.S | 2 .8 |
| 70 | UP1H | 3 1.2 | 153 | G.G.S | 6 2.4 |
| 71 | G.C.A.G | 25 10.1 | 154 | G.G.S | 5 2.0 |
| 72 | M.F.P | 2 .8 | 155 | G.G | 3 1.2 |
| 73 | UP1H | 8 3.2 | 156 | G.G.S | 3 1.2 |
| 74 | M.F.P | 3 1.2 | 157 | G.G.S | 9 3.6 |
| 75 | G.C.A.G | 22 8.9 | 158 | UP1H | 3 1.2 |
| 76 | G.G | 1 .4 | 159 | G.F | 1 .4 |
| 77 | RI1H | 22 8.9 | 160 | G.G | 10 4.0 |
| 78 | CO1M.SW | 4 1.6 | 161 | G.F.G.S | 12 4.9 |
| 79 | SV | 2 .8 | 162 | G.G | 5 1.2 |
| 80 | SW1M.CO | 14 5.7 | 163 | UP1H | 4 1.6 |
| 81 | M.F | 17 6.9 | 164 | UP1H | 1 .4 |
| 82 | RI1H | 20 8.1 | 165 | UP1M | 8 3.2 |
| 83 | SW1M/SV.BB | 59 23.9 | 166 | G.G | 3 1.2 |

PALAU ISLANDS

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Sheet 13 of 17

Cole, Thomas G.; Falantuw, Marjorie C., MacLean, Colin D.;
Whitesell, Craig D., Ambacher, Alan H. Vegetation survey of
the Republic of Palau. Resour. Bull. PSW-22. Berkeley, CA:
Pacific Southwest Forest and Range Experiment Station.
Forest Service, U.S. Department of Agriculture, 1987

VEGETATION LEGEND
For explanation of vegetation type codes see Table 7

| ITEM | LABEL | AREA
(ACRES) (HECTARES) |
|-----------|-------|----------------------------|
| KOROR | | |
| 1 | U | 12 4.9 |
| 2 | MN1H | 17 6.9 |
| 3 | U | 1 4 |
| 4 | SV | 1 4 |
| MALAKAL | | |
| 1 | R10H | 6 2.4 |
| 2 | U | 79 32.0 |
| 3 | SV | 21 8.5 |
| 4 | WS | 1 4 |
| 5 | B | 8 3.2 |
| 6 | SV | 1 4 |
| 7 | SV | 3 1.2 |
| 8 | UP1H | 65 26.3 |
| 9 | B.R | 1 4 |
| 10 | SV | 1 4 |
| 11 | B.R | 1 4 |
| 12 | GS | 1 4 |
| 13 | GS | 4 1.6 |
| 14 | B | 2 8 |
| 15 | U | 15 6.1 |
| NGERCHAOL | | |
| 1 | R11H | 9 3.6 |
| 2 | R11H | 4 1.6 |
| 3 | R11H | 6 2.4 |
| 4 | R11H | 4 1.6 |
| 5 | R11H | 1 4 |
| NGERMALK | | |
| 1 | U | 1 4 |
| 2 | R11H | 13 5.3 |
| 3 | WS | 1 4 |
| 4 | R10H | 44 17.8 |
| 5 | R10H | 1 4 |
| ULEBSECHL | | |
| 1 | R10H | 66 26.7 |
| 2 | R10H | 4 1.6 |
| 3 | R10H | 1 4 |
| 4 | R11H | 1 4 |

Produced by the United States Geological Survey
in cooperation with the Trust Territory of the Pacific Islands
Control No. 16-60-100-100
Compiled by photogrammetric methods from aerial photographs
taken 1960-71. First checked 1970. Latest field check 1980.
Map added 1987.
Projection and metric grid follow Pacific coordinate system.
(Modified / projected / Lambert 1987)

SCALE 1:20,000
CONTOUR INTERVAL 10 METERS
SUPPLEMENTARY CONTOUR INTERVAL 5 METERS
DATUM IS MEAN SEA LEVEL
SKEWED LINE REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 METER

Vegetation map compiled by Pacific Southwest Forest and Range
Experiment Station and Pacific Northwest Forest and Range
Experiment Station, Forest Service, U.S. Department of Agriculture.
Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific
Southwest Region, Engineering Geomatics Section, 1987.

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Cole, Thomas G., Falaniuw, Marjorie C., MacLean, Colin D., Whitesell, Craig D., Ambacher, Alan H. Vegetation survey of the Republic of Palau. Resour. Bull. PSW-22, Berkeley, CA Pacific Southwest Forest and Range Experiment Station. Forest Service, U.S. Department of Agriculture, 1987.

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Cole, Thomas G., Falaruw, Marjorie C., MacLean, Colin D., Whitesell, Craig D., Ambacher, Alan H. Vegetation survey of the Republic of Palau. Resour. Bull. PSW-22. Berkeley, CA: Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture; 1987

PALAU ISLANDS

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Sheet 16 of 17

Cole, Thomas G., Falanruw, Marjorie C., MacLean, Colin D., Whitesell, Craig D., Ambacher, Alan H. Vegetation survey of the Republic of Palau. Resour. Bull. PSW-22. Berkeley, CA: Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture; 1987.

ITEM	LABEL	AREA	
		(ACRES)	(HECTARES)
1	CA2M/SV	72	29.1
2	CA2L/SV	17	6.9
3	CA1L/SV	45	18.2
4	CA2L/SV	22	8.9
5	CA2M/SV	50	20.2
6	CA2M/AT	1	.4
7	B	25	10.1
8	SV S	4	1.6
9	CA2M/SV	19	7.7
10	SV S	2	.8
11	SV	2	.8
12	CA2M/SV	38	15.4
13	SV	12	4.9
14	CA1M/SV	150	60.7
15	M F C	1	.4
16	SV	7	2.8
17	SV	2	.8
18	U	1	.4
19	SV	19	7.7
20	CA2H	16	6.5
21	LI	5	2.0
22	M F C	2	.8
23	M F C	2	.8
24	LI1M/SV	35	38.4
25	CA1M/SV	13	5.3
26	LIQH	1	.4
27	AT2H	2	.8
28	SV	5	2.0
29	SV	5	2.0
30	CAQM/SV	4	1.6
31	LI2M/SV	27	10.9
32	CA1M LI	6	2.4
33	LIQH	9	3.6
34	CA2M	9	3.6
35	M F	5	2.0
36	M F	1	.4
37	M F	1	.4
38	CA1M AT	3	1.2
39	LI1M/SV	40	16.2
40	CA2M AT	3	1.2
41	CA2M AT	3	1.2
42	CA1M	7	2.8
43	CA2M LI	9	3.6
44	S	2	.8
45	CA1M LI	3	1.2
46	LI1M/SV	13	5.3
47	M S	11	4.5
48	MNIH	53	21.4
49	W S	1	.4
50	W S	4	1.6
51	W S	4	1.6
52	MN1L	144	58.3
53	W S	2	.8
54	LI1H	3	1.2
55	CA1H	9	3.6
56	CA2M LI	12	4.9
57	MN1L D	6	2.4
58	CA2H	4	1.6
59	CA2M/AT	21	8.5
60	M F	1	.4
61	LI1M/SV	34	13.8
62	SV H	48	19.4
63	LI1M/SV	43	17.4
64	MN1L	1	.4
65	MN1H	9	3.6

Produced by the United States Geological Survey
in cooperation with Trust Territory of the Pacific Islands
Compiled by photogrammetry sections from aerial photography
taken 1964-75. 1:50,000 scale. Map sheet 1361.
Projection and datum: U.S. Pacific projection system.
(Geodetic datum: 1960 datum)

Vegetation map compiled by Pacific Southwest Forest and Range
Experiment Station and Pacific Northwest Forest and Range
Experiment Station, Forest Service, U.S. Department of Agriculture
Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific
Southwest Region, Engineering Geomatics Section, 1987.

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Cole, Thomas G., Falanruw, Marjorie C., MacLean, Colin D., Whitesell, Craig D.; Ambacher, Alan H. Vegetation survey of the Republic of Palau. Resour. Bull. PSW-22. Berkeley, CA. Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture; 1987.

VEGETATION LEGEND
For explanation of vegetation type codes see Table 7

| ITEM | LABEL | AREA
(ACRES) (HECTARES) |
|------|---------|----------------------------|
| 1 | L1H CO | 161 65.2 |
| 2 | WS | 9 3.6 |
| 3 | CA1M | 4 1.6 |
| 4 | CA2M | 3 1.2 |
| 5 | L1M SW | 8 3.2 |
| 6 | SW1H | 3 1.2 |
| 7 | SW1H | 2 0.8 |
| 8 | AT1M LI | 37 15.0 |
| 9 | U | 15 6.1 |
| 10 | G | 1 0.4 |
| 11 | L1M/SV | 7 2.8 |
| 12 | SW1H | 2 0.8 |
| 13 | CA2M | 5 2.0 |
| 14 | SW1H | 1 0.4 |
| 15 | SW1H | 1 0.4 |
| 16 | SW1H | 12 4.9 |
| 17 | L1M SW | 9 3.6 |
| 18 | SW1H | 2 0.8 |
| 19 | L1M/SV | 36 14.6 |
| 20 | CA2M | 27 10.9 |
| 21 | L1M/SV | 863 349.2 |
| 22 | CA2M AT | 11 4.5 |
| 23 | U/AG | 127 51.4 |
| 24 | SV | 20 8.1 |
| 25 | B | 1 0.4 |
| 26 | B | 32 12.9 |
| 27 | CA2M | 8 3.2 |
| 28 | CA1M | 17 6.9 |
| 29 | SV | 9 3.6 |
| 30 | CA2M | 24 9.7 |
| 31 | L1M/SV | 355 143.7 |
| 32 | CA1M/SV | 5 2.0 |
| 33 | SW1H | 15 6.1 |
| 34 | MFC | 21 8.5 |
| 35 | CA2M LI | 6 2.4 |
| 36 | U | 2 0.8 |
| 37 | CA2M LI | 5 2.0 |
| 38 | L1M/SV | 4 1.6 |
| 39 | L1M/SV | 3 1.2 |
| 40 | AT2M LI | 12 4.9 |
| 41 | L1M/SV | 6 2.4 |
| 42 | AT2M CA | 15 6.1 |
| 43 | AT2M LI | 43 17.4 |
| 44 | AT2M LI | 20 8.1 |
| 45 | SV | 32 12.9 |

Produced by the United States Geological Survey
in cooperation with Trust Territory of the Pacific Islands
Compiled by the photographer's map from aerial photographs
taken 1965, 1975, and checked 1976
United States Geological Survey, Reston, Virginia 20192
Photocopy and survey of the Palau Islands
Palau Islands Geographical Information System

Vegetation map compiled by Pacific Southwest Forest and Range
Experiment Station and Pacific Northwest Forest and Range
Experiment Station, Forest Service, U.S. Department of Agriculture
Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific
Southwest Region, Engineering Geomorphics Section, 1987

Cole, Thomas G.; Falanruw, Marjorie C.; MacLean, Colin D.; Whitesell, Craig D.; Ambacher, Alan H. **Vegetation survey of the Republic of Palau**. Resour. Bull. PSW-22. Berkeley, CA: Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture; 1987. 13 p. + 17 maps.

The vegetation of the Republic of Palau, in the Western Caroline Islands, was mapped for land-use planning, forest resource management, and timber volume surveys. The 17 maps show the location and extent of vegetation types identified from 1976 aerial photographs. Forest area is estimated at 31,259 hectares (77,241 acres) or 75 percent of the area surveyed. An additional 6,783 hectares (16,761 acres) are grasslands/savannas. At 16 percent of the total area, the grasslands/savannas of Palau have the second greatest land area.

Retrieval Terms: vegetation survey, forest types, vegetation maps, forest resources, Palau, Belau, Caroline Islands, Micronesia