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REPUBLIC OF THE MARSHALL ISLANDS



# Marshall Islands Statistical Abstract 1992

OFFICE OF PLANNING AND STATISTICS  
P.O. Box 7  
Majuro, Marshall Islands

**Republic of the Marshall Islands**

**Statistical Abstract  
1992**

Seventh Edition  
February 1994

**Office of Planning and Statistics/Asian Development Bank  
Technical Assistance Project 1671/MAR:  
Institutional Strengthening of the Office of Planning and Statistics  
P.O. Box 7, Majuro  
Marshall Islands, MH 96960**

## ACKNOWLEDGEMENTS

This seventh edition of the Marshall Islands Statistical Abstract was completed, like its sixth edition, as a part of the terms of reference of the Asian Development Bank's technical assistance project, 1671-MAR: Institutional Strengthening of the Office of Planning and Statistics which began in July 1992. This edition has been a joint output of the Project and the Office of Planning and Statistics (OPS) in furtherance of the efforts of the OPS in implementing the National Statistical Act and of providing in-house training to the Marshallese counterpart officials at OPS.

The volume was produced under the overall supervision and guidance of **Dr. H.M. Gunasekera** who is the Main Consultant and the Project Manager of the Asian Development Bank's technical assistance project at OPS. The Project's UNV Statistician, **Mr. Myint Thann** provided editorial and general assistance, prepared the graphics and processed the data on visitor statistics and import statistics. The Project's Economic Planner, **Mr. Abdullah Al-Harun** compiled Section 11 of the volume. **Mr. Mohamoud S. Mohamoud**, UNV Demographer attached to UNFPA-assisted Population Focal Point Project, MAS/92/PO1 at OPS, also co-ordinated by **Dr. H.M. Gunasekera**, compiled Section 2 of the Abstract. The remaining sections were compiled by the Project's Marshallese counterparts: Senior Statisticians, **Mr. Takaji Abo** who is also the Officer-in-Charge at OPS and **Mr. Kato Rubon**.

Two Marshallese students whose overseas studies are being funded by the Asian Development Bank under the above project, assisted Dr. Gunasekera and Mr. Thann in processing the 1992 import data as part of training during their vacation months of December 1993 - February 1994. They are **Mr. Jeben B. Butuna** who is following a Master's degree program at Massey University, Palmerston North New Zealand, and **Ms. Joyceline Mellan** studying in Fiji.

Data inputting, tabulation as well as support services were provided by Marshallese counterpart Data Processing Officer **Mrs. Netha J. Gideon**.

Information contained in this volume come from various sources. Most of it is historical, coming from previous volumes of the Abstract. Much of the information needed to update these historical data where possible and appropriate were contributed by government Ministries, agencies, statutory authorities and other government owned enterprises. The GDP and Sector Accounts of 1991 and 1992 were prepared by a consultant funded by the South Pacific Forum Secretariat.

All of the above contributions are gratefully acknowledged.

## Preface

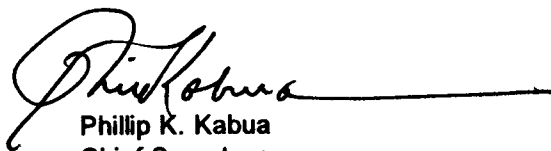
The **Marshall Islands Statistical Abstract**, published annually by our Office of Planning and Statistics, started with its first edition in 1985. This is its seventh edition. We have once again reverted to the calendar year as our year of publication because, a bulk of the information is presented on a calendar year basis and their annual update is also done on a calendar year basis. Henceforth, we will try and adhere to this calendar year practice.

Our aim is to provide through this abstract a volume of statistical information which will also serve to a broader audience as a guide to other publications and sources of information on the Marshall Islands.

The present edition differs from previous volumes in three ways. Firstly, many of the tables especially, detailed demographic tables presented in the previous editions have been excluded from the present edition. Users interested in more detailed demographic information should refer to either the previous editions, or better still, to the report of the 1988 Census on Population and Housing. Secondly, the volume has been streamlined by combining related tables and by reducing the point size of the text; some new styles of presentation may also be found, especially with respect to the graphs. Thirdly, some new tables, especially on GDP Sector Accounts are included.

Most of the data presented here are from administrative records of the public sector. Such records have also been the main source for the 1992 updates. Some of the information presented comes from Census and Survey results. There is, however, much to be done by way of improving our administrative records, especially in view of the fact that they are our major source of information. We hope that our continuing efforts to implement the **National Statistical Act** will result in the improvement that we seek to achieve.

We are also hopeful that through our efforts to strengthen the capacity of OPS we will soon be able to gather more information from the private sector sources. This is very important if the statistical data base we are now building is to serve as a useful and an adequate tool for our efforts at economic development planning.



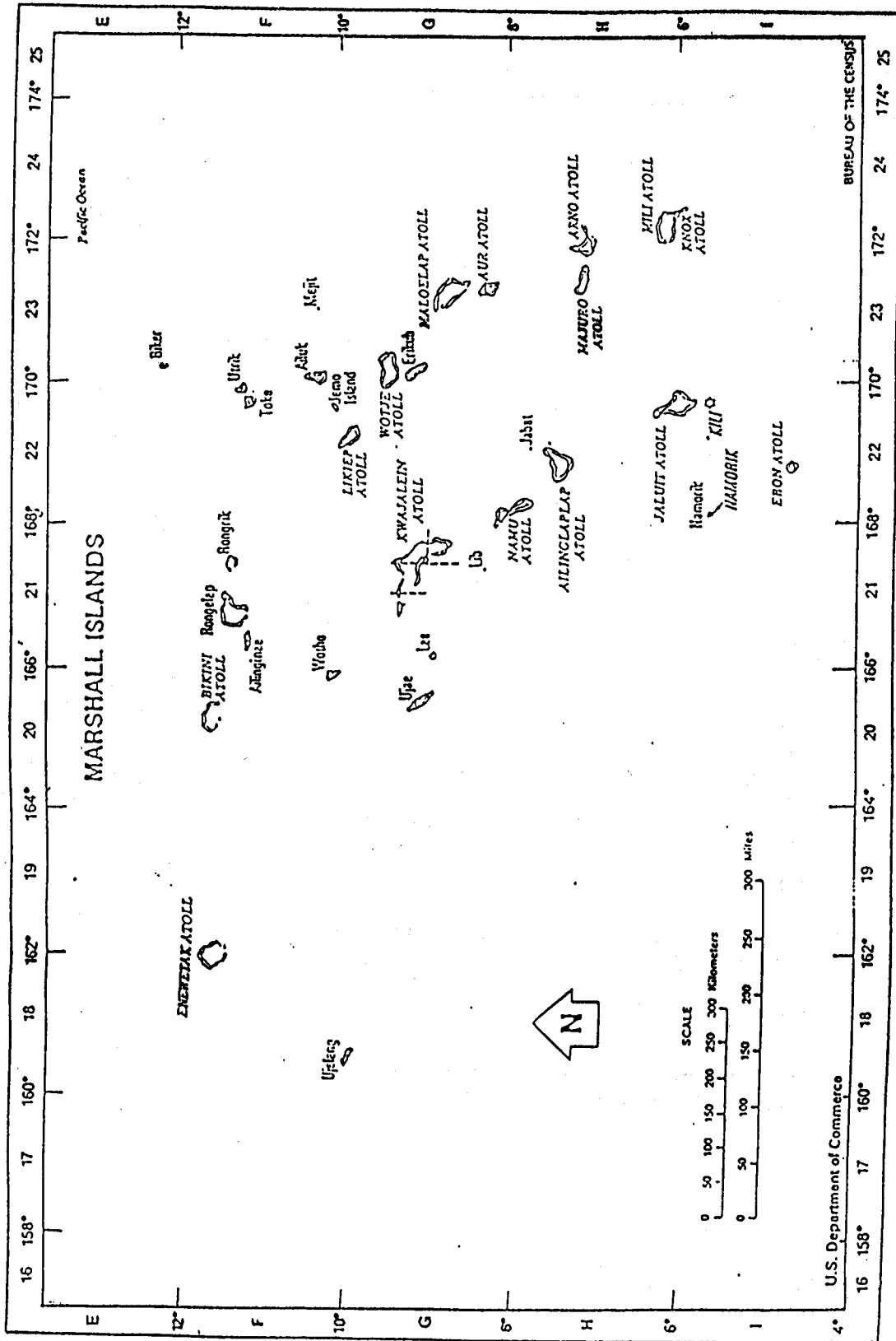
Phillip K. Kabua  
Chief-Secretary  
2 March 1994

## List of Tables and graphs

<b>Section 1.</b>	<b>GEOGRAPHY</b>	
	<i>Figure 1.1 Rainfall in Majuro, 1992</i>	
	<i>Figure 1.2 Average wind speed, 1992</i>	
	<i>Figure 1.3 Sunshine and humidity, 1992</i>	
Table 1.1	Geography of Marshall Islands .....	4
Table 1.2	Distance between atolls/islands .....	5
Table 1.3	Monthly rainfall, Majuro, 1959-1992 .....	6
Table 1.4	Monthly average temperature in Majuro, 1959 - 1992 .....	7
Table 1.5	Average wind speed, prevailing direction of wind, percentage of total possible sunshine and relative humidity by month, 1989-1992 .....	8
<b>Section 2.</b>	<b>POPULATION</b>	
	<i>Figure 2.1 Census population</i>	
	<i>Figure 2.2 Projected population</i>	
	<i>Figure 2.3 Marital status 1988: Male</i>	
	<i>Figure 2.4 Marital status 1988: Female</i>	
Table 2.1	Resident population and growth rate, 1920-1988 .....	12
Table 2.2	Population by single year of age, 1988 .....	12
Table 2.3	Population projection by sex and five-year age groups, 1990-2020 .	13
Table 2.4	Population in atolls/islands by sex and five-year age groups, 1988 .	14
Table 2.5	Land area and population density by atolls and islands .....	15
Table 2.6	Urban and rural population densities, 1980 & 1988 .....	15
Table 2.7	Urban population by place, sex and broad age group, 1988 .....	16
Table 2.8	Population by atolls/islands and place, 1988 .....	17
Table 2.9	Marital status by sex and five-year age groups, 1988 .....	18
Table 2.10	Demographic indicators for the period, 1988-2035 .....	19
Table 2.11	Population by atolls/islands and citizenship, 1988 .....	20
Table 2.12	Population by relationship to head of household, 1988 .....	21
<b>Section 3.</b>	<b>HEALTH AND VITAL STATISTICS</b>	
	<i>Figure 3.1 Number of registered live births</i>	
	<i>Figure 3.2 Number of registered deaths</i>	
	<i>Figure 3.3 Number of registered live births, 1992</i>	
Table 3.1	Total fertility rate and age specific fertility rate, 1959-1988 .....	25
Table 3.2	Indirect estimates of infant mortality rates by sex, 1988 .....	25
Table 3.3	Numbers of registered live births, 1982-1992 .....	26
Table 3.4	Number of registered births by age group of mother, 1987-1992 ...	26
Table 3.5	Number of registered deaths by age group and sex, 1986-1992 ...	27
Table 3.6	Number of registered deaths by cause of death and sex, 1988-1992	28
Table 3.5	Number of registered infant-deaths by cause of death and sex, 1988-1992 .....	32

<b>Section 4.</b>	<b>CHARACTERISTICS OF HOUSEHOLDS</b>	
	<i>Figure 4.1 Average household size</i>	
	<i>Figure 4.2 Households engaged in subsistence activities, 1988</i>	
Table 4.1	Number of households and average household size by atoll/island, 1980-1988 .....	36
Table 4.2	Households engaged in subsistence activities by atoll and type of activity, 1988 .....	36
Table 4.3	Households by atoll/islands and source of drinking water, toilet facilities, source of energy for cooking and lighting, 1988 .....	37
<b>Section 5.</b>	<b>EDUCATION</b>	
	<i>Figure 5.1 Schools, teachers and students</i>	
Table 5.1	Public and private primary schools, teachers and enrollment by atoll/island: 1988/89 - 1992/93 .....	41
Table 5.2	Public and private secondary schools, teachers and enrollment by atoll/island: 1988/89 - 1992/93 .....	42
Table 5.3	Private primary and secondary school enrollment by grade and sex, 1982/83 - 1992/93 .....	43
Table 5.4	Number of students graduated from eight grade in public schools, 1989-1992 .....	44
Table 5.5	Marshall Islands scholarship holders by age-group, and sex 1988/89 - 1991/92 .....	44
<b>Section 6.</b>	<b>LABOR FORCE AND EMPLOYMENT</b>	
	<i>Figure 6.1 Labor force, male, 1988</i>	
	<i>Figure 6.2 Labor force, female, 1988</i>	
	<i>Figure 6.3 Employment by major occupation group, 1988</i>	
Table 6.1	Labor force, employment and unemployment: 1988 .....	48
Table 6.2	Employed population by major occupational groups: 1980 .....	49
Table 6.3	Employed population by industry - Census 1980 .....	50
Table 6.4	Employed population classified by major industry groups and sex, 1988 .....	51
Table 6.5	Employed population by major occupational group and sex, 1988 ..	52
Table 6.6	Employed population by class of worker, Census - 1980 .....	52
Table 6.7	Paid employees in the public and private sector-selected years, 1979-1992 .....	53
Table 6.8	Employment trend in commercial and subsistence sectors, selected years: 1973 - 1988 .....	54
<b>Section 7.</b>	<b>AGRICULTURE, LIVESTOCK AND FISHERIES</b>	
	<i>Figure 7.1 Copra production</i>	
	<i>Figure 7.2 Average copra price received by producers</i>	
	<i>Figure 7.3 Fish catch by foreign fishing vessels</i>	
Table 7.1	Crop production, 1989 - 1992 .....	58
Table 7.2	Livestock production, 1984 - 1992 .....	58
Table 7.3	Copra production by atolls and islands, 1981 - 1992 .....	59
Table 7.4	Index of copra production by atolls and islands, 1981 - 1992 .....	60
Table 7.5	Copra prices paid to outer islands, 1978 - 1992 .....	61

Table 7.6	Copra production, average producer price and total producer income: 1951 - 1992 .....	62
Table 7.7	Total fish catch by Japanese and other foreign fishing vessels by fishing technique and type of fish, 1989 - 1992 .....	63
<b>Section 8.</b>	<b>OVERSEAS TRADE</b>	
	<i>Figure 8.1 Imports, exports and balance of trade</i>	
	<i>Figure 8.2 Imports by major trading partners</i>	
Table 8.1	Commodity imports and exports and balance of trade, 1979 - 1992	67
Table 8.2	Exports by commodity 1979 - 1992 .....	67
Table 8.3	Imports by trading partners, 1986 - 1992 .....	68
Table 8.4	Imports classified by two-digit harmonized system codes, 1969 - 1992 .....	69
<b>Section 9.</b>	<b>PRICES</b>	
	<i>Figure 9.1 Consumer price index</i>	
Table 9.1	Quarterly consumer price index, Majuro, 1984 - 1992 .....	75
<b>Section 10.</b>	<b>VISITOR STATISTICS</b>	
	<i>Figure 10.1 Travellers to Majuro, 1992</i>	
	<i>Figure 10.2 Visitors to Majuro, 1992</i>	
Table 10.1	Travellers arrival to Majuro by month and purpose of travel: 1992 ..	79
Table 10.2	Visitors to majuro by month and main purpose of visit: 1992 .....	79
Table 10.3	Travellers arrival to Majuro by sex, age-group and purpose of travel: 1992 .....	80
Table 10.4	Visitors to Majuro by sex, age group and main purpose of visit: 1992 .....	81
Table 10.5	Visitors to Majuro by Nationality and main purpose of visit: 1992 ..	82
Table 10.6	Visitors to Majuro by occupation group and main purpose of visit: 1992 .....	82
Table 10.7	Visitors to Majuro by nationality and occupation group: 1992 .....	83
Table 10.8	Average intended length of stay of visitors to Majuro by main purpose of visit: 1992 .....	84
<b>Section 11.</b>	<b>NATIONAL ACCOUNTS</b>	
Table 11.1	Gross domestic product (Nominal), FY1981 - FY1990 .....	87
Table 11.2	Gross domestic product of the Republic of the Marshall Islands, FY1981 - FY1990 .....	88
Table 11.3	Compensation of employees, Fiscal Years, 1981 - 1991 .....	89
Table 11.4	Estimate of gross domestic product: 1991 - 1992 .....	90
<b>Section 12.</b>	<b>MISCELLANEOUS TABLES</b>	
Table 12.1	Number of dispensaries, docks and airfields by atoll/island, 1988 - 1992 .....	93
Table 12.2	Power generated, number of electricity consumers and revenue collected, 1990 - 1992 .....	94



## CONVERSION FACTORS

### Length and area

1 Mile	=	1.60934 Kilometer
1 Yard	=	0.91440 Meter
1 Foot	=	0.3048 Meter
1 Inch	=	2.54 Centimeter
1 Square Mile	=	2.5890 Square Kilometer
1 Acre	=	0.40469 Hectares
1 Hectare (ha)	=	2.47105 Acres

### Volume

1 Gallon (US)	=	3.7854 Liters
1 Quart	=	1.13652 Liters
1 Pint	=	0.56826 Liters
1 Barrel	=	158.99 Liters
1 Barrel	=	42 Gallon (US)

### Weight

1 Pound (lb)	=	16 Ounces (oz)	=	0.4536 Kilogram
1 Short ton	=	2,000 lbs	=	907.2 Kilograms
1 Long ton	=	2,240 lbs	=	1,016.1 Kilograms
1 Kilogram (kg)	=	2.205 lbs	=	1,000 grams (g)
1 Metric ton	=	1.1023 Short tons or .984 long ton	=	1,000 Kilograms

### Power

1 Horsepower (hp)	=	0.7457 Kilowatts
1 Megawatt (MW)	=	1,000 Kilowatts

### Temperature

Degrees Celsius (C)	=	5/9 (F-32)
Degrees Fahrenheit (F)	=	9/5 (C+32)

# **1 Geography**

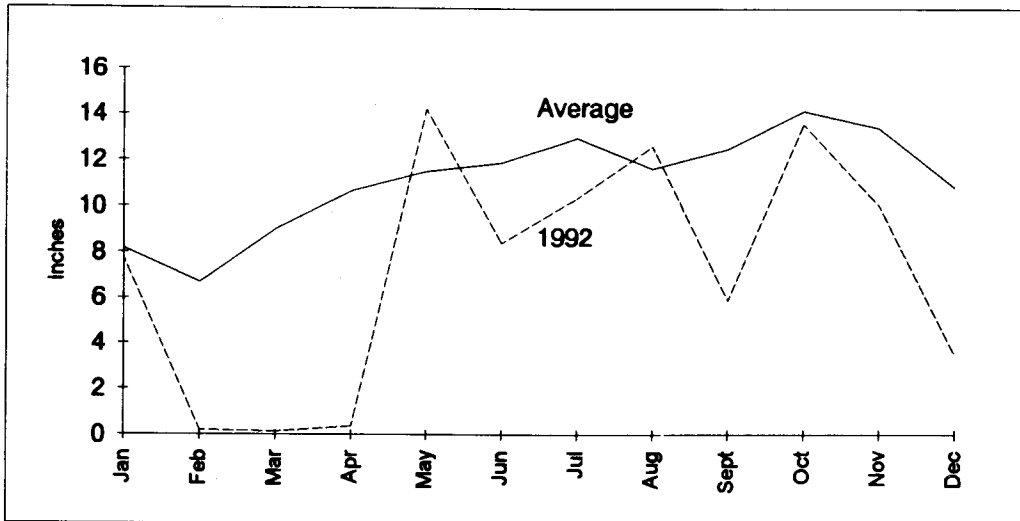


Figure 1.1 Rainfall in Majuro, 1992 (see table 1.3 for data)

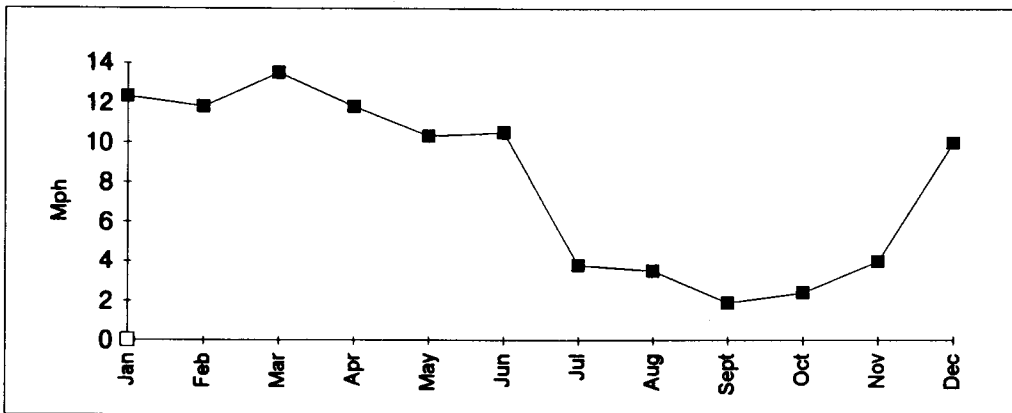


Figure 1.2 Average wind speed, 1992 (see table 1.5 for data)

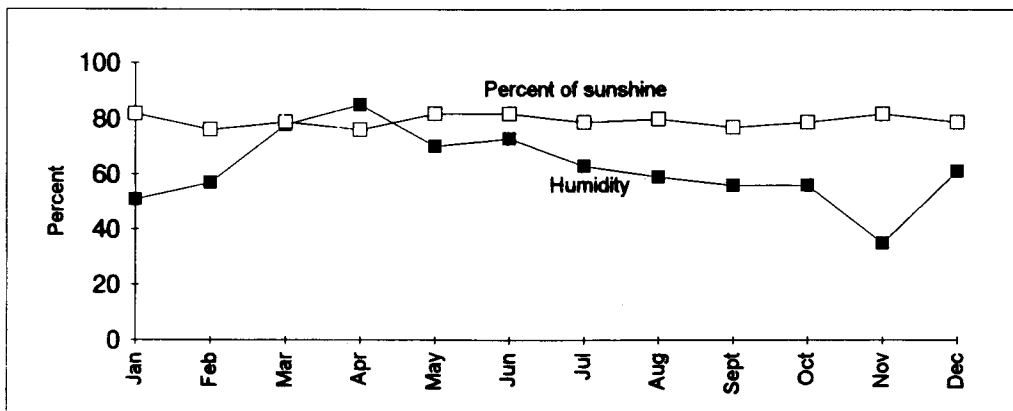


Figure 1.3 Sunshine and humidity, 1992 (see table 1.5 for data)

## **Geography**

The Republic of the Marshall Islands consists of 29 atolls each made up of many islets and 5 islands in the central Pacific between 4 degrees and 14 degrees North, and 160 degrees and 173 degrees East. The atolls and islands are situated in two almost parallel chain like formations known as the Ratak (Sunrise) group and Ralik (Sunset) group. The total number of islands and islets in the whole Republic is approximately 1225 spreading across a sea area of over 750,000 square miles. The total land area is about 70 square miles (181 square kilometers). The mean height of the land is about 7 feet above sea level (2 meters).

Urban centers are Majuro atoll with DUD (Darrit, Uliga, Delap) as its core and Ebeye.

The climate of Majuro is predominately a trade-wind climate with the trade winds prevailing throughout the year. Tropical storms are very rare.

Minor storms of the easterly wave type are quite common from March to April and October to November. In the past three years, however, there have been three major cyclones. The trade winds are frequently locally interrupted during the summer months by the movement of the zone of intertropical convergence across the area.

Rainfall is heavy, with the wettest months being October and November. Precipitation is generally of the shower type, however, continuous rain is not uncommon.

One of the outstanding features of the climate is the extremely consistent temperature regime. The range between the coolest and the warmest months averages less than 1 degree. Nighttime minima are generally 2-4 degrees warmer than the average daily minimum because lowest temperatures usually occur during heavy showers in the daytime.

Skies at Majuro are quite cloudy. Cumuliform clouds are predominant but altostratus-altocumulus and cirriform clouds are also present most of the time.

Weather data for Marshall Islands is provided by the Majuro Weather Station. The station at Majuro is located on the southeastern end of the Majuro Atoll. This atoll is approximately 160 square miles in area with a lagoon of about 150 square miles. The lagoon is oblong, 22 miles long and about 4 miles wide. The station is located at Delap.

Table 1.1 GEOGRAPHY OF MARSHALL ISLANDS

Name	Type	Approximate No. of Islets	Area (square miles)		Latitude (Deg. Min.)	Longitude (Deg. Min.)
			Lagoon	Dry Land		
<b>Marshall Islands</b>		<b>1,225</b>	<b>4,506.87</b>	<b>70.05</b>	<b>4 34' - 14 42'</b>	<b>160 47' - 172 10'</b>
<b>Ratak Chain</b>		<b>641</b>	<b>1672.52</b>	<b>34.02</b>	<b>5 53' - 14 42'</b>	<b>168 53' - 172 10'</b>
1 Bokak	Atoll	10	30.13	1.25	14 32' - 14 42'	168 53' - 169 1'
2 Bikar	Atoll	7	14.44	0.19	12 11' - 12 18'	170 4' - 170 9'
3 Utrok	Atoll	10	22.29	0.94	11 12' - 11 12'	169 45' - 169 51'
4 Toke	Atoll	6	35.96	0.22	11 5' - 11 30'	169 33' - 169 40'
5 Mejit	Island	1	—	0.72	10 16' - 10 18'	170 52' - 70 53'
6 Ailuk	Atoll	55	68.47	2.07	10 12' - 10 27'	169 52' - 169 59'
7 Jemo	Island	1	—	0.06	10 7'	169 33'
8 Likiep	Atoll	65	163.71	3.96	9 48' - 10 4'	168 58' - 169 20'
9 Wotje	Atoll	75	241.06	3.16	9 21' - 9 32'	169 48' - 170 15'
10 Er kub	Atoll	16	88.92	0.59	9 8'	170 0'
11 Maloelap	Atoll	75	375.57	3.79	8 29' - 8 55'	170 50' - 171 15'
12 Aur	Atoll	43	92.58	2.17	8 7' - 8 22'	171 1' - 171 12'
13 Majuro	Atoll	64	113.92	3.75	7 3' - 7 13'	171 2' - 171 58'
14 Arno	Atoll	103	130.77	5.00	6 58' - 7 18'	171 33' - 171 57'
15 Mili	Atoll	92	294.70	6.15	5 53' - 6 16'	171 42' - 172 10'
16 Nadikdik	Atoll	18	—	—	—	—
<b>Ralik Chain</b>		<b>584</b>	<b>2834.35</b>	<b>36.03</b>	<b>4 34' - 11 42'</b>	<b>160 47' - 169 44'</b>
16 Enewetak	Atoll	44	387.99	2.26	11 20' - 11 41'	162 17' - 162 24'
17 Ujelang	Atoll	30	25.47	0.67	9 46' - 9 53'	160 47' - 161 0'
18 Bikini	Atoll	36	229.40	2.32	11 29' - 11 42'	165 12' - 165 34'
19 Rongdrik	Atoll	14	55.38	0.65	11 15' - 11 25'	167 22' - 167 32'
20 Ronglap	Atoll	61	387.77	3.07	11 9' - 11 29'	166 38' - 167 4'
21 Ailinginae	Atoll	25	40.91	1.08	11 8' - 11 11'	166 17' - 166 2'
22 Wotho	Atoll	18	36.65	1.67	10 1' - 10 11'	165 54' - 165 46'
23 Ujae	Atoll	15	71.79	0.72	8 55' - 9 12'	165 30' - 166 16'
24 Lae	Atoll	20	6.82	0.56	8 54' - 9 2'	166 11' - 167 46'
25 Kwajalein	Atoll	93	839.30	6.33	8 48' - 9 22'	166 49' - 167 25'
26 Lib	Island	1	—	0.36	8 20' - 8 22'	167 23' - 168 18'
27 Namu	Atoll	54	153.53	2.42	7 45' - 8 12'	167 58' - 168 59'
28 Jabat	Island	1	—	0.22	7 44' - 7 5'	168 58' - 168 59'
29 Ailinglaplap	Atoll	56	289.69	5.67	7 16' - 7 36'	168 33' - 169 44'
30 Jaluit	Atoll	91	266.31	4.38	5 47' - 6 18'	169 24' - 169 44'
31 Kili	Island	1	—	0.36	5 37' - 5 38'	169 7' - 169 8'
32 Namdrik	Atoll	2	3.25	1.07	5 35' - 5 38'	168 5' - 168 9'
33 Ebon	Atoll	22	40.09	2.22	4 34' - 4 42'	168 38' - 168 47'

Source: Guide to place names in the Trust Territory of the Pacific Islands TTPI

Table 1.2. DISTANCE BETWEEN ATOLLS/ISLANDS  
(Nautical miles)

Atoll/Island	AILINGLAPLAP	AILUK	AIROK	ARNO	AUR	BIKINI	EBON	EBEYE	ENEWETAK	JABOT	JALUIT	KAVEN	KILI	LAE	LIB	LIKIEP	MAJURO	MEJIT	MILI	NAMORIK	NAMU	RONGELAP	TABAL	UAJE	UJELANG	UTRIK	WOTHO	WOTJE
AILINGLAPLAP	-	187	160	180	150	310	165	110	452	30	95	160	105	180	100	152	150	210	208	103	75	260	150	205	485	240	240	150
AILUK	187	-	125	220	145	273	345	160	455	165	257	95	282	235	190	45	205	55	275	240	172	190	135	380	540	80	235	45
AIROK (MALOELAP)	160	125	-	108	20	380	280	200	532	133	180	30	213	290	220	140	90	110	150	250	175	250	10	220	615	185	310	80
ARNO	150	220	108	-	80	420	220	200	624	170	135	108	170	345	260	230	30	203	60	225	215	385	85	375	670	275	385	175
AUR	150	145	20	80	-	395	255	200	532	128	160	50	190	290	220	150	70	135	133	235	175	315	10	330	620	200	325	100
BIKINI	310	273	380	450	395	-	462	217	194	307	315	358	416	165	225	245	439	329	496	390	250	95	390	142	290	255	88	307
EBON	165	345	280	220	255	462	-	255	565	188	95	280	65	295	230	315	220	360	195	70	200	415	255	320	560	400	365	300
EBEYE (KWAJALEIN)	110	160	200	260	200	217	255	-	354	103	200	200	200	90	35	120	235	200	300	185	40	150	200	120	470	250	130	150
ENEWETAK	452	455	532	624	532	194	565	354	-	455	542	508	545	276	356	432	595	518	661	497	392	271	542	240	123	444	227	453
JABWOT	30	165	133	170	128	307	188	103	455	-	118	128	124	182	104	125	132	188	186	140	68	242	125	220	498	250	235	120
JALUIT	95	275	180	135	160	415	95	200	542	118	-	180	35	265	190	235	130	265	125	90	145	360	160	300	570	315	325	210
KAVEN (MALOELAP)	160	95	30	108	50	358	280	200	508	128	180	-	215	290	220	105	115	85	150	250	170	250	40	220	615	150	310	50
KILI	105	282	215	170	190	416	65	200	545	124	35	215	-	260	185	250	160	295	160	60	150	360	190	285	550	335	325	230
LAE	180	235	290	345	290	116	295	90	276	182	265	280	80	-	80	180	320	285	380	200	110	140	290	30	320	250	80	225
LIB	100	190	220	260	220	225	230	35	356	104	190	220	185	80	-	140	245	240	300	165	35	170	220	105	395	225	140	170
LIKIEP	152	45	140	230	150	245	315	120	432	125	235	105	250	180	140	-	205	95	275	260	130	160	140	215	485	95	185	60
MAJURO	150	205	90	30	70	439	220	235	595	132	130	115	160	320	245	206	-	200	85	215	210	360	80	350	635	265	365	160
MEJIT	210	55	110	200	130	329	360	200	518	188	265	85	295	285	240	95	200	-	255	320	210	240	120	320	600	85	290	65
MILI	208	275	150	60	133	496	195	300	661	186	125	150	160	380	300	275	80	255	-	220	250	425	133	410	700	330	420	230
NAMORIK	103	240	250	225	235	390	79	185	497	140	90	250	60	220	165	260	215	320	220	-	140	350	235	250	490	350	300	260
NAMU	75	172	175	215	175	250	200	40	392	68	145	170	150	110	35	130	210	210	250	140	-	190	175	140	425	220	170	145
RONGELAP	260	190	250	385	315	95	415	150	271	242	360	250	360	140	170	160	360	240	425	350	190	-	315	150	360	190	80	220
TABAL (AUR)	150	135	10	80	10	390	255	200	542	125	160	40	190	290	220	140	80	120	133	236	175	315	-	330	620	190	325	-
UAJE	205	360	220	375	330	142	320	120	240	220	300	220	285	30	105	215	350	320	410	350	140	150	330	-	290	280	80	260
UJELANG	485	540	615	670	620	290	650	410	123	498	570	615	550	320	395	485	635	600	700	490	425	320	620	290	-	540	300	550
UTRIK	240	60	185	275	200	255	400	250	444	250	315	150	335	255	225	90	265	85	330	350	220	180	190	280	540	-	235	110
WOTHO	240	235	310	385	325	88	365	130	227	235	325	310	325	80	140	185	365	290	420	300	170	80	325	80	300	235	-	245
WOTJE	150	45	80	175	100	307	300	150	453	120	210	50	230	225	170	60	160	65	230	260	145	220	90	260	550	110	245	-

Source: Ministry of Transportation and Communications.

Table 1.3 MONTHLY RAINFALL, MAJURO, 1959 - 1992  
(Inches)

Year	Annual	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
<b>Record mean</b>	<b>133.38</b>	<b>8.17</b>	<b>6.69</b>	<b>8.99</b>	<b>10.66</b>	<b>11.49</b>	<b>11.87</b>	<b>12.96</b>	<b>11.64</b>	<b>12.50</b>	<b>14.17</b>	<b>13.40</b>	<b>10.84</b>
1959	130.57	1.07	9.47	8.72	12.69	6.35	14.17	11.00	5.33	16.36	11.49	19.92	14.00
1960	153.03	9.17	3.60	11.17	23.41	14.27	13.22	14.10	14.59	16.93	9.71	16.32	6.54
1961	131.69	21.97	6.50	4.24	8.50	8.34	13.90	5.34	11.31	11.14	11.50	12.04	16.91
1962	151.40	17.55	5.15	11.48	5.95	12.01	7.54	11.02	8.91	21.03	16.36	22.69	11.71
1963	131.52	17.46	9.57	12.43	6.21	11.31	11.96	11.69	10.76	6.83	13.13	11.60	8.57
1964	162.70	1.40	6.99	7.23	11.46	22.02	11.16	18.69	15.58	21.11	22.79	16.85	7.42
1965	114.83	9.85	5.32	1.98	4.69	7.93	11.45	14.85	6.92	15.46	14.71	12.12	9.55
1966	128.70	3.79	4.42	5.80	16.03	8.64	9.40	14.94	6.52	13.95	13.53	12.24	19.44
1967	126.05	11.88	9.72	12.46	7.64	4.93	10.98	13.87	7.99	13.78	15.16	11.16	6.48
1968	135.74	5.38	3.49	11.12	8.86	9.33	16.07	11.39	11.50	9.77	12.06	11.97	24.80
1969	134.28	8.22	2.35	16.17	17.21	8.78	13.01	16.65	10.24	15.65	7.11	11.68	7.21
1970	88.95	5.62	0.40	1.73	2.87	9.23	10.66	7.73	11.24	11.75	12.64	6.68	8.40
1971	162.39	8.21	5.74	9.80	31.10	19.86	13.42	15.49	14.92	7.93	18.06	9.46	8.40
1972	157.66	9.58	7.11	15.45	9.17	14.96	14.88	14.76	10.84	18.96	14.06	4.53	23.36
1973	123.99	0.78	1.84	11.05	14.59	14.33	12.23	7.29	13.86	12.78	13.79	14.21	7.24
1974	148.80	11.09	8.07	7.18	15.67	12.84	13.66	12.48	13.69	10.44	19.90	9.29	14.49
1975	151.76	5.20	3.21	7.77	12.76	10.58	17.63	14.23	16.35	16.51	18.29	15.28	13.95
1976	145.01	8.57	9.42	15.68	19.41	15.28	9.43	16.78	8.36	17.66	8.95	12.70	2.77
1977	122.03	2.39	0.77	2.60	10.62	17.21	8.37	10.88	11.15	9.72	17.59	11.85	18.88
1978	142.80	3.60	5.25	3.39	12.65	13.90	10.70	16.25	8.86	9.73	20.56	23.56	14.35
1979	109.29	6.78	2.77	7.14	11.75	7.91	13.23	6.67	13.03	6.54	15.04	11.33	7.10
1980	108.34	8.11	9.70	5.05	7.03	11.34	6.73	8.48	13.89	12.85	9.25	5.35	10.56
1981	119.15	0.90	4.34	17.40	10.20	9.04	5.43	16.53	12.24	6.71	7.28	14.61	14.47
1982	144.50	12.63	9.72	13.29	4.68	11.46	16.98	14.66	11.72	18.94	8.17	19.08	3.17
1983	86.31	0.83	0.98	0.66	1.97	1.49	14.45	12.58	6.05	11.25	13.47	9.84	12.74
1984	115.69	16.12	16.83	1.29	3.87	4.18	5.40	9.35	9.20	6.42	14.77	13.31	14.95
1985	149.72	8.70	16.56	4.59	15.38	9.67	14.67	13.18	16.77	8.03	18.06	12.81	11.30
1986	148.61	10.51	3.91	14.75	12.23	14.94	15.89	12.09	19.98	10.52	7.32	9.37	17.10
1987	122.48	6.24	10.38	4.90	2.14	9.22	14.76	21.17	8.36	11.09	11.29	15.45	7.48
1988	122.30	14.65	1.52	6.76	5.92	6.85	9.11	14.33	10.59	13.86	17.87	7.19	13.65
1989	134.83	7.75	8.30	4.76	8.54	11.18	7.20	17.44	10.34	14.55	16.41	19.84	8.52
1990	118.30	7.01	4.21	10.36	9.43	16.56	7.28	9.09	14.39	7.57	6.17	15.87	10.36
1991	177.84	9.87	11.68	29.54	20.46	13.24	16.60	16.41	11.04	19.73	10.44	15.35	3.48
1992	87.08	7.73	0.20	0.15	0.36	14.21	8.41	10.36	12.62	5.90	13.57	10.05	3.52

Record mean of rainfall is the mean of all daily rainfall amounts during the period of record. Record means are through the current year, beginning in 1955.

Source: Majuro Weather Station

Table 1.4 MONTHLY AVERAGE TEMPERATURE IN MAJURO, 1959 - 1992  
(Degrees Fahrenheit)

Year	Annual average	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1959	81.3	81.2	80.9	81.5	80.5	82.0	81.1	81.3	82.2	81.4	81.4	81.1	80.6
1960	81.3	81.0	81.6	81.5	80.2	80.6	80.6	81.1	81.2	81.7	82.3	81.8	81.7
1961	81.5	81.3	81.8	82.6	81.7	81.5	81.2	81.5	81.3	81.1	81.9	81.4	80.9
1962	81.3	80.9	81.6	80.7	81.7	82.2	81.3	81.2	81.8	81.0	81.5	80.7	81.5
1963	81.6	80.5	80.5	80.7	82.1	82.3	81.8	81.7	82.2	82.8	81.7	81.8	81.3
1964	81.0	81.8	81.6	81.3	81.4	81.1	80.7	80.8	80.8	80.5	80.7	80.7	80.8
1965	81.1	80.2	80.5	81.5	81.3	81.0	81.2	80.7	82.1	81.3	81.4	81.0	80.8
1966	81.5	81.0	81.3	81.3	80.7	81.7	81.7	81.9	82.5	81.8	81.9	81.2	80.9
1967	81.4	81.0	80.8	80.2	81.2	82.0	81.3	81.4	82.2	82.0	81.4	81.2	81.5
1968	81.0	81.1	81.4	80.3	80.6	80.8	81.1	80.9	81.4	81.8	81.1	81.1	80.6
1969	81.2	80.1	81.1	81.0	80.7	81.5	81.2	80.5	81.6	81.5	82.4	82.0	81.3
1970	81.3	81.2	82.0	82.0	82.1	81.5	80.7	81.1	80.8	81.1	80.6	81.2	80.6
1971	80.5	80.6	80.9	80.9	79.5	80.0	80.2	80.5	80.1	80.8	80.5	81.1	80.5
1972	81.0	80.2	80.9	80.8	80.8	81.2	81.5	80.9	81.2	81.3	80.9	81.7	80.8
1973	80.9	80.9	81.8	81.6	81.3	80.6	80.8	80.9	80.8	80.2	80.5	80.7	81.1
1974	80.7	79.9	80.8	80.8	80.5	80.8	80.6	80.7	81.0	80.9	81.0	80.9	80.3
1975	80.0	80.4	81.0	80.7	80.2	80.5	79.7	79.7	79.9	80.0	78.8	79.4	79.5
1976	80.1	79.4	79.4	79.6	79.5	80.0	80.0	80.0	80.7	80.4	81.4	80.2	80.1
1977	81.1	80.3	81.3	81.5	80.5	80.1	81.2	80.9	81.2	82.4	81.1	81.2	81.1
1978	81.0	81.2	81.1	81.5	80.9	80.5	80.9	80.4	81.5	81.6	81.2	80.6	80.3
1979	81.3	81.2	81.0	81.6	79.7	80.9	81.5	81.5	80.9	82.0	82.1	81.8	81.7
1980	81.6	81.4	81.3	81.3	81.6	81.5	81.9	81.5	81.5	81.7	82.2	81.9	81.0
1981	81.3	81.4	81.5	81.0	80.9	81.4	82.0	80.8	81.4	82.0	82.0	81.0	80.6
1982	81.1	80.5	80.7	80.5	81.8	81.3	81.3	81.1	81.3	81.4	82.0	81.4	80.2
1983	81.3	80.1	80.5	81.4	82.2	83.0	81.4	81.3	82.2	81.8	80.9	81.0	80.3
1984	81.0	80.6	80.6	82.0	81.9	81.5	80.3	80.6	81.8	81.2	80.8	80.6	80.9
1985	80.8	80.8	80.3	80.7	79.8	81.1	80.4	80.7	80.4	81.5	81.4	81.5	80.9
1986	81.4	81.1	81.9	80.3	81.1	81.7	81.1	81.7	81.8	81.8	82.1	81.9	80.5
1987	81.4	80.6	80.7	81.0	81.8	81.5	81.1	80.9	82.1	81.8	82.2	81.8	81.2
1988	81.1	80.9	81.9	81.8	82.1	81.8	81.3	80.2	80.9	80.6	80.3	81.2	80.4
1989	80.9	80.5	80.3	80.6	80.5	80.8	81.0	80.5	80.9	81.1	81.6	81.4	82.0
1990	81.5	81.2	81.6	82.0	81.9	81.1	81.6	81.4	81.7	81.8	81.7	81.8	80.4
1991	80.9	80.1	81.4	79.6	80.3	81.1	80.9	81.3	81.4	81.1	81.8	81.0	81.0
1992	81.7	79.6	81.3	81.6	82.7	81.9	82.0	81.6	82.0	82.6	82.2	81.5	81.6
Record													
Mean	81.1	80.7	81.1	81.1	81.1	81.2	81.0	80.9	81.3	81.4	81.3	81.2	80.9
Maximum	85.7	84.9	85.4	85.6	85.6	85.8	85.7	85.7	86.2	86.4	86.3	86.0	85.3
Minimum	76.4	76.4	76.7	76.6	76.5	76.6	76.3	76.1	76.4	76.4	76.3	76.4	76.4

Record maximum (minimum) temperature is the mean of all daily maximum (minimum) temperatures during the period of record.  
Record mean temperature is the sum of the record maximum and record minimum divided by 2.  
Record means are through the current year, beginning in 1955.

Source: Majuro Weather Station

Table 1.5 AVERAGE WIND SPEED, PREVAILING DIRECTION OF WIND  
PERCENTAGE OF TOTAL POSSIBLE SUNSHINE AND RELATIVE HUMIDITY BY MONTH, 1989-1992

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1989												
Average wind speed	13.3	11.7	11.5	12.4	12.9	10.8	9.3	7.6	6.3	6.8	7.7	11.9
Prevailing direction	7	7	7	7	7	7	7	8	7	8	9	6
Percentage sunshine	66	63	67	62	63	61	52	73	73	52	51	73
Relative humidity	81	81	79	82	84	82	83	82	81	81	81	79
1990												
Average wind speed	15.1	10.3	12.8	12.5	12	10	8.3	7.4	6.1	5.9	6.1	9.6
Prevailing direction	56	57	63	63	66	68	70	66	66	73	170	68
Percentage sunshine	65	94	91	79	51	73	55	52	52	71	59	65
Relative humidity	76	79	80	79	83	81	80	80	80	80	80	81
1991												
Average wind speed	12.7	12.4	11.6	11.1	10.8	8.5	7.5	6.1	6.7	6	8.7	10.4
Prevailing direction	60	60	70	70	70	70	70	80	80	34	70	60
Percentage sunshine	69	60	28	57	61	57	67	61	54	62	46	57
Relative humidity	76	79	80	79	83	81	80	80	80	80	80	81
1992												
Average wind speed	12.5	11.8	13.5	11.8	10.3	10.5	3.8	3.5	1.9	2.4	4.0	10.0
Prevailing direction	57	50	53	53	59	68	64	69	242	80	75	48
Percentage sunshine	51	57	78	85	70	73	63	59	56	56	35	61
Relative humidity	82	76	79	76	82	82	79	80	77	79	82	79

Direction of wind is that from which the wind blows, indicated in tens of degrees clockwise from true North.  
Example, 9 for East, 18 for South, 27 for West.

Source : Majuro Weather Station

## 2 Population

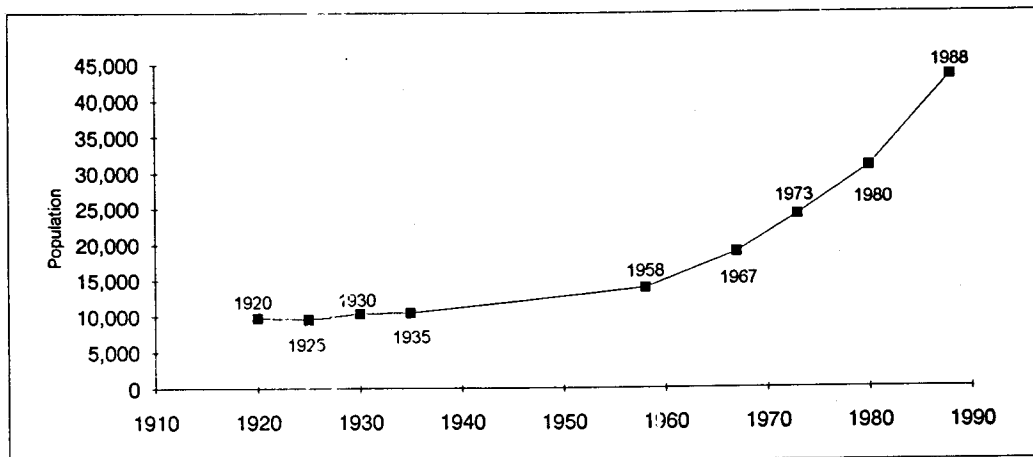


Figure 2.1 Census population (see table 2.1 for data)

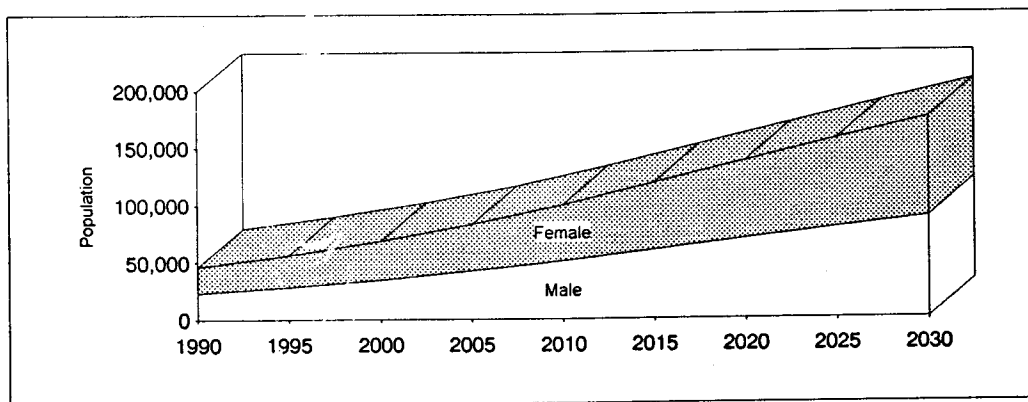


Figure 2.2 Projected population (see table 2.3 for data)

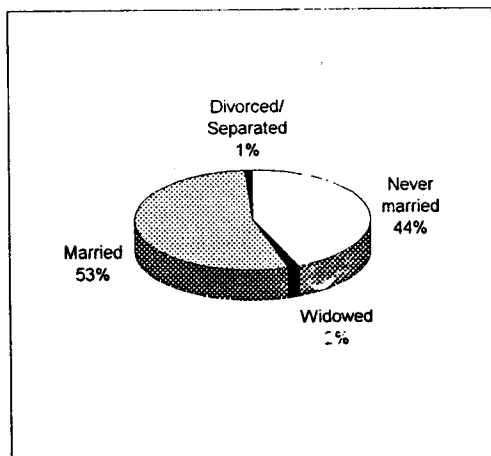


Figure 2.3 Marital status 1988: Male (see table 2.9 for data)

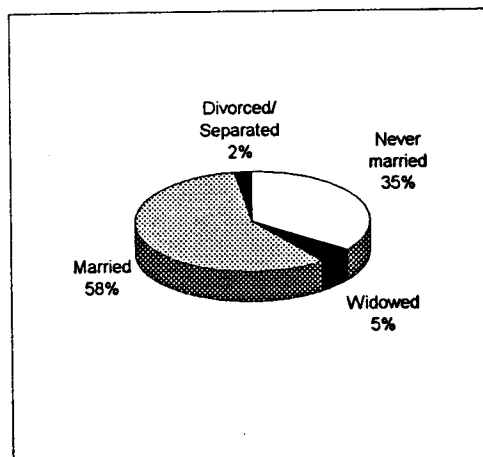


Figure 2.4 Marital status 1988: Female (see table 2.9 for data)

## Population

This section presents statistics on the growth, distribution, and projections of the Marshall Islands population. The principal source of these data is the 1988 Census of Population and Housing. Some historical data are also provided. The Census of 1988 was taken with reference to midnight on Sunday, November 13th, 1988. It was defacto, which means that people were enumerated according to where they were on the census night. The whole of the Marshall Islands was included with the exception of United States Army Kwajalein Atoll (USAKA).

The total population enumerated in the Marshall Islands in 1988 census was 43,380. The average annual growth rate of the population was 4.2 percent between the censuses of 1980 and 1988, due to the relatively high fertility and relatively lower mortality rates that prevailed in the Marshall Islands.

**Population growth rate.** Average annual growth rate of population has been computed by using a compound interest formula. This formula assumes that the rate of change is constant throughout a specified compounding period.

**Population projections.** Population projections are useful for future economic and social planning. Population projections in table 2.3 are made by using the component method of projection. This method takes into account future changes in the components of the population (fertility, mortality, and migration). The method starts with a population distributed by age and sex. Then, mortality rates are applied to each age and sex, and age-specific fertility rate.

For this method, one should make assumptions regarding the future levels of mortality, fertility and migration. This particular population projection used the following assumptions:

- (i) The migration component has been ignored and the net migration (immigration minus emigration) has been assumed to be equal to zero.
- (ii) The fertility and mortality of the population will both decline from high to low levels as result of economic and social development. The decline in mortality precedes the decline in fertility resulting in high population growth during the transition.
- (iii) The assumption was made that mortality will decline to a model of very low mortality in 80 years.
- (iv) The improvement in life expectancy at birth follows a logistic curve.

Table 2.1 RESIDENT POPULATION AND GROWTH RATE, 1920-1988

Year	Both sexes		Male	Female
	Number	Annual growth rate %		
1920 Census	9,800	-	5,198	4,604
1925 Census	9,644	-0.3	5,030	4,614
1930 Census	10,412	1.5	5,505	4,907
1935 Census	10,446	0.1	5,480	4,966
1958 Census	13,928	1.3	7,175	6,753
1967 Census	18,925	3.5	9,958	9,267
1973 Census	24,135	4.1	12,335	11,800
1980 Census	30,873	3.6	15,851	15,022
1988 Census	43,380	4.3	22,181	21,199

Source: Trust Territory of the Pacific Islands, Bulletin of Statistics, Vol III, No. 2, 1973.  
The 1988 Census of Population and Housing, OPS, Majuro, RMI

Table 2.2 POPULATION BY SINGLE YEAR OF AGE, 1988

Age	Both sexes		Male		Female		Age	Both sexes		Male		Female	
	Number	Cumulative total	Number	Cumulative total	Number	Cumulative total		Number	Cumulative total	Number	Cumulative total	Number	Cumulative total
<b>TOTAL</b>	<b>43,380</b>		<b>22,181</b>		<b>21,199</b>								
0	1,786	1,786	931	931	835	835	44	264	39,083	133	19983	131	19110
1	1,826	3,592	919	1,850	907	1,742	45	226	39,319	129	20,112	97	19,207
2	1,726	5,318	878	2,728	848	2,590	46	234	39,553	128	20,240	106	19,313
3	1,968	6,986	850	3,578	818	3,408	47	159	39,712	82	20,322	77	19,390
4	1,985	8,951	845	4,423	820	4,228	48	187	39,899	110	20,432	77	19,467
5	1,859	10,310	839	5,262	820	5,048	49	185	40,064	100	20,532	85	19,532
6	1,562	11,872	788	6,050	774	5,822	50	159	40,223	83	20,615	76	19,608
7	1,449	13,321	746	6,796	703	6,525	51	148	40,371	79	20,694	69	19,677
8	1,562	14,883	801	7,597	761	7,286	52	151	40,522	87	20,781	84	19,741
9	1,377	16,260	710	8,307	667	7,953	53	160	40,682	74	20,855	86	19,827
10	1,260	17,540	673	8,980	607	8,560	54	125	40,807	83	20,918	82	19,889
11	1,203	18,743	602	9,582	601	9,161	55	135	40,942	67	20,985	68	19,957
12	1,178	19,919	621	10,203	555	9,716	56	118	41,080	80	21,045	58	20,015
13	1,143	21,062	601	10,804	542	10,258	57	111	41,171	55	21,100	56	20,071
14	1,074	22,136	558	11,362	516	10,774	58	183	41,354	107	21,207	76	20,147
15	922	23,058	459	11,821	463	11,237	59	133	41,487	70	21,277	63	20,210
16	862	23,920	445	12,266	417	11,654	60	181	41,668	89	21,366	92	20,302
17	748	24,668	394	12,660	352	12,006	61	118	41,786	59	21,425	59	20,361
18	844	25,510	445	13,105	399	12,405	62	110	41,896	55	21,480	55	20,416
19	711	26,221	361	13,466	350	12,755	63	128	42,024	80	21,540	68	20,484
20	724	26,945	359	13,825	365	13,120	64	98	42,122	50	21,590	48	20,532
21	706	27,651	329	14,154	377	13,497	65	119	42,241	51	21,641	68	20,600
22	681	28,332	319	14,473	362	13,859	66	111	42,352	59	21,700	52	20,652
23	683	29,015	313	14,786	370	14,229	67	107	42,459	45	21,745	62	20,714
24	716	29,731	368	15,152	350	14,579	68	123	42,582	67	21,812	56	20,770
25	610	30,341	302	15,454	308	14,887	69	84	42,698	33	21,845	51	20,821
26	619	30,960	317	15,771	302	15,189	70	107	42,773	52	21,897	55	20,876
27	560	31,520	269	16,040	291	15,480	71	74	42,847	38	21,935	36	20,912
28	652	32,172	331	16,371	321	15,801	72	64	42,911	33	21,968	31	20,943
29	566	32,758	301	16,672	285	16,086	73	58	42,969	29	21,997	29	20,972
30	570	33,328	296	16,968	274	16,360	74	70	43,039	31	22,028	39	21,011
31	499	33,827	268	17,236	231	16,591	75	39	43,078	16	22,044	23	21,034
32	521	34,348	229	17,465	292	16,883	76	46	43,124	19	22,063	27	21,061
33	520	34,868	270	17,735	250	17,133	77	45	43,169	25	22,068	20	21,081
34	546	35,414	285	18,020	261	17,394	78	43	43,212	27	22,115	16	21,097
35	478	35,892	280	18,300	198	17,592	79	28	43,240	10	22,125	18	21,115
36	499	36,391	272	18,572	227	17,819	80	26	43,266	9	22,134	17	21,132
37	322	36,713	156	18,728	166	17,985	81	19	43,285	7	22,141	12	21,144
38	469	37,182	255	18,983	214	18,199	82	7	43,292	4	22,145	3	21,147
39	419	37,601	242	19,225	177	18,376	83	17	43,309	5	22,150	12	21,159
40	366	37,967	202	19,427	164	18,540	84	18	43,327	4	22,154	14	21,173
41	306	38,293	146	19,573	160	18,700	85	11	43,338	6	22,160	5	21,178
42	268	38,581	148	19,721	140	18,840	86	11	43,349	6	22,166	5	21,183
43	246	38,829	129	19,850	119	18,979	87	16	43,365	8	22,174	8	21,191
							88	15	43,380	7	22,181	8	21,199

Source: 1988 Census of Population and Housing, OPS, Majuro, RMI.

Table 2.3 POPULATION PROJECTION BY SEX AND FIVE-YEAR AGE GROUPS, 1990-2020

Age group	Year								
	1990	1995	2000	2005	2010	2015	2020	2025	2030
<b>Both sexes</b>	<b>46,139</b>	<b>56,216</b>	<b>68,415</b>	<b>83,052</b>	<b>99,954</b>	<b>118,389</b>	<b>137,434</b>	<b>156,386</b>	<b>174,924</b>
0-4 years	9,545	1,135	13,624	16,163	18,541	20,210	21,010	21,203	21,146
5-9 years	7,701	9,333	11,146	13,427	15,983	18,386	20,085	20,911	21,126
10-14 years	6,139	7,632	9,260	11,072	13,351	15,907	18,314	20,019	20,853
15-19 years	4,752	6,083	7,571	9,196	11,007	13,283	15,840	18,248	19,958
20-24 years	3,688	4,692	6,015	7,498	9,120	10,929	13,204	15,758	18,168
25-29 years	3,090	3,631	4,628	5,944	7,421	9,039	10,847	13,119	15,672
30-34 years	2,708	3,035	3,573	4,563	5,871	7,342	8,958	10,762	13,032
35-39 years	2,271	2,651	2,978	3,514	4,497	5,796	7,261	8,873	10,675
40-44 years	1,721	2,213	2,589	2,916	3,448	4,420	5,709	7,165	8,769
45-49 years	1,176	1,669	2,151	2,523	2,848	3,376	4,336	5,612	7,057
50-54 years	806	1,131	1,610	2,082	2,451	2,775	3,298	4,248	5,510
55-59 years	668	765	1,076	1,538	1,997	2,360	2,682	3,200	4,135
60-64 years	626	616	709	1,004	1,442	1,883	2,236	2,556	3,063
65-69 years	541	550	545	634	904	1,308	1,720	2,056	2,366
70-74 years	385	439	451	451	529	762	1,112	1,473	1,777
75-79 years	222	272	313	323	326	387	562	826	1,101
80+ years	147	151	176	204	218	226	260	357	516
<b>Male, total</b>	<b>23,598</b>	<b>28,660</b>	<b>34,813</b>	<b>42,189</b>	<b>50,694</b>	<b>59,953</b>	<b>69,498</b>	<b>78,976</b>	<b>88,229</b>
0-4 years	4,886	5,788	6,945	8,238	9,448	10,298	10,705	10,801	10,772
5-9 years	3,945	4,756	5,658	6,817	8,117	9,341	10,210	10,633	10,743
10-14 years	3,154	3,901	4,709	5,610	6,766	8,064	9,289	10,161	10,589
15-19 years	2,418	3,121	3,864	4,670	5,569	6,722	8,019	9,243	10,117
20-24 years	1,838	2,383	3,080	3,820	4,622	5,518	6,669	7,962	9,185
25-29 years	1,523	1,805	2,345	3,036	3,771	4,569	5,462	6,609	7,899
30-34 years	1,368	1,496	1,771	2,305	2,989	3,719	4,513	5,402	6,545
35-39 years	1,187	1,335	1,463	1,736	2,263	2,940	3,663	4,453	5,338
40-44 years	915	1,153	1,299	1,427	1,696	2,215	2,883	3,599	4,382
45-49 years	635	890	1,119	1,263	1,391	1,657	2,167	2,826	3,534
50-54 years	425	609	856	1,080	1,224	1,351	1,613	2,115	2,764
55-59 years	349	411	578	815	1,032	1,173	1,299	1,557	2,048
60-64 years	315	321	379	537	761	968	1,105	1,230	1,480
65-69 years	265	276	283	338	482	687	879	1,008	1,129
70-74 years	184	215	226	234	282	405	582	749	865
75-79 years	106	130	154	163	171	208	301	435	563
80+ years	66	70	84	100	110	118	139	193	276
<b>Female, total</b>	<b>22,590</b>	<b>27,556</b>	<b>33,602</b>	<b>40,863</b>	<b>49,260</b>	<b>58,436</b>	<b>67,936</b>	<b>77,410</b>	<b>86,695</b>
0-4 years	4,659	5,565	6,679	7,925	9,093	9,912	10,305	10,402	10,374
5-9 years	3,756	4,577	5,488	6,610	7,866	9,045	9,875	10,278	10,383
10-14 years	2,985	3,731	4,551	5,462	6,585	7,843	9,025	9,858	10,264
15-19 years	2,334	2,962	3,707	4,526	5,438	6,561	7,821	9,005	9,841
20-24 years	1,850	2,309	2,935	3,678	4,498	5,411	6,535	7,796	8,983
25-29 years	1,562	1,826	2,283	2,908	3,650	4,470	5,385	6,510	7,773
30-34 years	1,340	1,539	1,802	2,258	2,882	3,623	4,445	5,360	6,487
35-39 years	1,084	1,316	1,515	1,778	2,234	2,856	3,598	4,420	5,337
40-44 years	802	1,060	1,290	1,489	1,752	2,205	2,826	3,566	4,387
45-49 years	541	779	1,032	1,260	1,457	1,719	2,169	2,786	3,523
50-54 years	373	522	754	1,002	1,227	1,424	1,685	2,133	2,746
55-59 years	319	354	498	723	965	1,187	1,383	1,643	2,087
60-64 years	311	295	330	467	681	915	1,131	1,326	1,583
65-69 years	276	274	262	296	422	621	841	1,048	1,237
70-74 years	201	224	225	217	247	357	530	724	912
75-79 years	116	142	159	160	155	179	261	391	538
80+ years	81	81	92	104	108	108	121	164	240

Refers to midyear population (at June 30 of each year).

Source: 1988 Census of Population and Housing, OPS, Majuro, RMI.

Table 2.4 POPULATION IN ATOLLS / ISLANDS BY SEX AND FIVE-YEAR AGE GROUPS, 1988

	TOTAL	Age group															
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+
<b>Both Sexes</b>	<b>43,380</b>	<b>8651</b>	<b>7609</b>	<b>5876</b>	<b>4085</b>	<b>3510</b>	<b>3027</b>	<b>2656</b>	<b>2187</b>	<b>1492</b>	<b>971</b>	<b>743</b>	<b>680</b>	<b>635</b>	<b>544</b>	<b>373</b>	<b>341</b>
Ailinglaplap	1,715	398	357	289	107	100	95	115	70	51	24	18	20	21	18	18	14
Ailuk	488	104	108	89	29	38	31	27	12	14	9	13	8	7	11	2	6
Arno	1,856	389	347	236	120	126	103	80	74	41	18	21	20	25	21	23	12
Aur	438	81	87	74	43	31	25	30	22	13	4	4	8	6	3	2	5
Bikini	10	-	-	-	-	2	2	2	1	1	1	1	-	-	-	-	-
Ebon	741	137	174	132	43	41	45	32	40	30	20	5	7	3	12	9	11
Enewetak	715	153	129	93	43	82	48	46	35	23	15	17	8	6	10	2	5
Jabat	112	28	20	14	6	10	8	6	3	4	2	2	1	2	3	-	3
Jalut	1,709	346	311	264	217	103	94	77	75	52	30	30	25	21	26	17	21
Kili	802	131	117	80	27	53	53	51	25	17	18	9	11	12	9	5	4
Kwajalein	9,311	1927	1806	1249	782	798	700	605	524	344	201	153	137	97	101	44	43
Lae	319	77	69	39	24	31	24	11	10	11	5	3	7	1	1	5	1
Lib	115	25	20	17	5	6	10	9	6	5	1	4	3	1	3	-	-
Likiep	482	100	95	88	28	35	29	31	23	14	10	3	8	12	8	8	10
Majuro	19,864	3624	3081	2504	2184	1868	1417	1248	1043	713	498	393	363	346	260	192	150
Maloelap	796	180	165	110	72	57	54	43	39	22	22	9	9	14	11	6	3
Mejit	445	91	89	61	29	27	34	29	28	18	14	2	3	6	6	5	5
Mili	854	168	198	119	69	60	56	50	36	22	12	12	11	11	10	9	11
Namorik	814	184	182	129	60	43	47	31	35	27	16	10	5	20	8	5	12
Namu	801	164	181	115	79	68	52	40	24	27	15	18	11	5	6	6	10
Ujae	448	114	94	67	23	34	27	35	14	12	6	7	7	3	3	2	-
Utrik	409	97	72	53	29	38	22	26	17	11	13	3	2	4	8	7	7
Wotho	90	14	16	16	5	7	6	5	4	4	1	1	2	3	1	1	2
Wotje	646	139	129	98	61	52	45	27	27	18	16	5	4	9	5	5	6
<b>Male, total</b>	<b>22,181</b>	<b>4423</b>	<b>3884</b>	<b>3055</b>	<b>2104</b>	<b>1686</b>	<b>1520</b>	<b>1348</b>	<b>1205</b>	<b>758</b>	<b>549</b>	<b>386</b>	<b>359</b>	<b>313</b>	<b>255</b>	<b>183</b>	<b>153</b>
Ailinglaplap	875	206	185	143	57	44	51	63	35	26	11	7	13	12	8	8	6
Ailuk	242	42	80	33	15	23	14	18	5	8	4	8	4	3	5	1	1
Arno	858	205	182	128	59	61	50	34	43	19	12	12	12	10	11	8	8
Aur	231	42	44	42	24	14	13	16	14	6	1	2	6	2	1	1	3
Bikini	10	-	-	-	-	2	2	2	1	1	1	1	-	-	-	-	-
Ebon	400	88	94	82	25	20	24	20	22	14	11	2	3	1	6	3	5
Enewetak	395	86	74	48	26	39	20	28	23	13	8	10	6	4	5	2	3
Jabat	56	13	9	5	4	5	4	5	2	2	1	1	1	2	2	-	-
Jalut	870	181	159	133	107	58	48	41	48	24	17	15	14	9	17	10	9
Kili	322	80	65	32	11	21	23	27	18	11	12	4	5	3	6	2	2
Kwajalein	4,883	951	798	644	406	396	373	291	286	168	123	75	70	43	50	22	17
Lae	170	39	33	23	13	16	14	6	7	4	2	3	4	-	1	5	-
Lib	58	12	8	7	4	3	2	7	4	4	1	1	2	-	3	-	-
Likiep	253	48	47	36	13	23	17	16	15	8	5	2	4	6	5	4	4
Majuro	9,990	1871	1575	1291	1103	796	694	624	561	363	278	203	184	174	109	90	74
Maloelap	420	91	87	53	40	33	23	22	22	12	13	6	2	8	4	3	1
Mejit	223	45	37	32	15	12	15	19	13	9	8	1	3	3	4	3	4
Mili	456	91	104	59	39	31	28	26	23	16	6	7	6	7	4	2	7
Namorik	414	98	84	73	32	23	25	12	20	11	7	6	4	12	4	2	3
Namu	410	88	89	64	38	31	25	15	10	17	7	9	7	2	4	3	1
Ujae	243	58	51	39	17	14	16	17	7	6	5	5	3	3	1	1	-
Utrik	217	51	36	31	19	16	8	16	11	5	6	2	2	2	2	6	4
Wotho	47	4	7	11	2	7	4	2	2	2	-	1	2	1	-	1	1
Wotje	338	75	58	46	35	26	27	21	13	11	10	3	2	4	4	3	-
<b>Female, total</b>	<b>21,199</b>	<b>4228</b>	<b>3725</b>	<b>2821</b>	<b>1981</b>	<b>1824</b>	<b>1507</b>	<b>1308</b>	<b>982</b>	<b>734</b>	<b>422</b>	<b>357</b>	<b>321</b>	<b>322</b>	<b>289</b>	<b>190</b>	<b>188</b>
Ailinglaplap	840	192	172	146	50	56	44	52	35	25	13	11	7	9	10	10	8
Ailuk	246	62	48	36	14	15	17	9	7	8	5	4	4	6	1	5	5
Arno	798	184	165	108	61	65	53	46	31	22	6	9	8	13	11	12	4
Aur	207	39	43	32	19	17	12	14	8	7	3	2	2	4	2	1	2
Bikini	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ebon	341	69	80	50	18	21	21	12	18	16	9	3	4	2	6	6	6
Enewetak	320	67	55	45	17	43	28	18	12	10	7	7	2	2	5	-	2
Jabat	56	15	11	9	2	5	4	1	1	2	1	1	-	-	1	-	3
Jalut	839	185	152	131	110	45	46	36	27	28	13	15	11	12	9	7	12
Kili	280	51	52	28	16	32	30	24	7	6	6	5	6	9	3	3	2
Kwajalein	4,628	978	806	605	376	432	327	314	238	176	78	78	67	54	51	22	26
Lae	149	38	36	16	11	15	10	5	3	7	3	-	3	1	-	-	1
Lib	57	13	12	10	1	3	8	2	2	1	-	3	1	1	-	-	-
Likiep	229	52	48	32	15	12	12	15	8	6	5	1	4	6	3	4	6
Majuro	9,674	1753	1486	1213	1061	872	723	624	482	350	220	190	179	172	151	102	76
Maloelap	376	69	78	57	32	24	31	21	17	10	9	3	7	6	7	3	2
Mejit	222	46	52	29	14	15	19	10	15	7	6	1	-	3	2	2	1
Mili	398	77	94	60	30	29	28	24	13	6	6	5	5	4	6	7	4
Namorik	400	88	98	56	28	20	22	19	15	16	9	4	1	8	4	3	9
Namu	391	76	72	51	41	37	27	25	14	10	8	9	4	3	2	3	9
Ujae	205	56	43	28	6	20	11	18	7	6	1	2	4	-	2	1	-
Utrik	192	46	36	22	10	22	14	10	6	6	7	1	-	2	6	1	3
Wotho	43	10	11	5	3	-	2	3	2	2	1	-	-	2	1	-	1
Wotje	306	64	73	52	26	24	18	6	14	7	6	2	2	5	1	2	6

Source : Census of Population and Housing, 1988, OPS, RMI

Table 2.5: LAND AREA AND POPULATION DENSITY BY ATOLLS AND ISLANDS  
(Population per square mile)

Atoll/Island	Land area (sq. mile) c/	1973		1980		1988 c/	
		Population a/	Density	Population b/	Density c/	Population	Density
<b>Marshall Islands</b>	<b>65.97</b>	<b>25,045</b>	<b>380</b>	<b>30,873</b>	<b>442</b>	<b>43,380</b>	<b>619</b>
Ailinglaplap	5.57	1,100	194	1,385	244	1,715	302
Ailuk	2.07	335	162	413	200	488	236
Arno	5.00	1,120	224	1,487	297	1,656	332
Aur	2.17	300	138	444	205	438	202
Bikini	2.32	75	32	-	-	10	4
Ebon	2.22	740	333	887	400	741	334
Enewetak	2.26	-	-	542	240	715	316
Jabat	0.22	70	318	72	327	112	509
Jaluit	4.38	925	211	1,450	331	1,709	390
Kili	0.36	360	1,000	489	1,358	602	1,672
Kwajalein	6.33	5,469	864	6,624	1,632	9,311	2,357 d/
Lae	0.56	154	275	237	423	319	570
Lib	0.36	98	272	98	272	115	319
Likiep	3.93	406	103	481	121	482	122
Majuro	3.75	10,290	2,744	11,791	3,142	19,664	5,244
Maloelap	3.75	432	115	614	162	796	210
Mejit	0.72	271	376	325	451	445	618
Mili	6.15	538	87	763	124	854	139
Namorik	1.07	431	403	617	577	814	761
Namu	2.42	493	204	654	270	801	331
Rongelap	3.07	165	54	235	77	-	-
Ujae	0.72	209	290	309	429	448	622
Ujelang	0.67	342	510	-	-	-	-
Utirik	0.94	217	231	336	357	409	435
Wotho	1.07	61	37	85	51	90	54
Wotje	3.16	425	134	535	169	646	204
Not stated	-	19	-	-	-	-	-

d/ USAKA excluded from density calculation.

Source: a/ Trust Territory of the Pacific Islands, Bulletin of Statistics, Vol III, No. 2, 1973

b/ 1980 Census of Population, U.S. Bureau of the Census

c/ 1988 Census of Population and Housing, OPS, Majuro, RMI

Table 2.6 URBAN AND RURAL POPULATION DENSITIES, 1980 & 1988

Urban/Rural	Census 1980		Census 1988	
	Land Area (Sq. mile)	Population per sq. mile	Land Area (Sq. mile)	Population per sq. mile
<b>MARSHALL ISLANDS</b>	<b>70.05</b>	<b>442</b>	<b>70.07</b>	<b>619</b>
<b>URBAN</b>	<b>3.57</b>	<b>4,641</b>	<b>3.89</b>	<b>7,195</b>
Majuro Atoll	3.75	3,331	3.75	5,244
- DUD	0.51	16,825	0.51	28,724
- Others	3.24	990	3.24	1,548
Kwajalein Atoll				
- Ebeye	0.12	51,408	0.14	59,457
<b>RURAL</b>	<b>66.48</b>	<b>195</b>	<b>66.18</b>	<b>233</b>

Source: Census of Population and Housing, 1988, OPS, RMI

Table 2.7 URBAN POPULATION BY PLACE, SEX AND BROAD AGE GROUP, 1988

Place	Both sexes	Male					Female				
		Total	0-4 yrs	5-14 yrs	15-64 yrs	65+ yrs	Total	0-4 yrs	5-14 yrs	15-64 yrs	65+ yrs
<b>Majuro atoll</b>	<b>19664</b>	<b>9990</b>	<b>1871</b>	<b>2866</b>	<b>4980</b>	<b>273</b>	<b>9674</b>	<b>1753</b>	<b>2699</b>	<b>4893</b>	<b>329</b>
<b>DUD</b>	<b>14649</b>	<b>7443</b>	<b>1399</b>	<b>2132</b>	<b>3709</b>	<b>203</b>	<b>7206</b>	<b>1307</b>	<b>4714</b>	<b>3668</b>	<b>252</b>
Darrit	6813	3489	660	1032	1708	89	3324	573	935	1700	116
Uliga	2144	1057	171	270	587	29	1087	195	3038	543	46
Delap	5692	2897	568	830	1414	85	2795	539	741	1425	90
<b>Others</b>	<b>5015</b>	<b>2547</b>	<b>472</b>	<b>734</b>	<b>1271</b>	<b>70</b>	<b>2468</b>	<b>446</b>	<b>720</b>	<b>1225</b>	<b>77</b>
Jetter	24	14	3	5	5	1	10	1	3	4	2
Rongrong	245	129	4	21	104	0	116	5	30	81	0
Kalalen	19	10	2	2	5	1	9	2	1	5	1
Biken	8	4	1	0	3	0	4	0	3	1	0
Enemanet	6	5	3	1	1	0	1	0	0	1	0
Denmeo	7	3	0	2	1	0	4	0	4	0	0
Bokmej	14	7	3	1	3	0	7	1	3	3	0
Didej	16	8	0	0	8	0	8	3	1	3	1
Kora	9	3	0	1	2	0	6	2	0	4	0
Ejit	170	88	21	26	38	3	82	9	32	40	1
Enearmij	3	3	0	0	3	0	0	0	0	0	0
Rairok	2021	1012	190	271	522	29	1009	175	288	516	30
Ajeltake	556	274	49	87	124	14	282	54	92	124	12
Woja	224	117	21	37	56	3	107	14	35	56	2
Arrak	118	67	7	28	32	0	51	9	11	28	3
Laura	1575	803	168	252	364	19	772	171	217	359	25
<b>Kwajalein atoll</b>											
Ebeye	8324	4148	842	1256	1972	78	4176	874	1261	1953	88

Source: Census of Population and Housing, 1988, OPS, RMI

Table 2.8 POPULATION BY ATOLL/ISLANDS AND PLACE, 1988

Place Name	Population	Place Name	Population	Place Name	Population	Place Name	Population
<b>Aiinlaplap ato</b>	1715	<b>Aur atoll</b>	438	<b>Kwajalein atoll</b>	9311	<b>Maloelap ato</b>	796
Mejil	57	Tabal	219	Enubirr	494	Kaben	246
Jeh	367	Aur	219	Ningi	6	Jang	106
Tobomaro	9			Gugeegue	16	Wolot	103
Airuk	370	<b>Bikini atoll</b>	10	Ebioagi	13	Tarawa	147
Jabwan	117	Eneu	10	North Loi	21	Airok	194
Buoj	285			South Loi	4		
Enewe	22	<b>Ebon atoll</b>	741	Ebeye	8324	<b>Mejit island</b>	445
Woja	406	Jittaken	209	Ebjerikku	10	Mejit	445
Beran	19	Jittoen	188	Orubebbu	5		
Kattiej	29	Enearmij	5	Enubuj	14	<b>Mili atoll</b>	854
Mejajok	8	Emej	3	Ennylabega	67	Lukonwor	67
Bikor	17	Enilok	17	Mejatto	282	Enajet	154
Ennak	9	Toka	267	Ebadon	49	Mili	390
		Enekoion	52	Arbwa	6	Nalu	169
<b>Ailuk atoll</b>	488					Tokewa	74
Kapen	14	<b>Enewetak atol</b>	715	<b>Lae atoll</b>	319		
Enejabrok	43	Medren	121	Ribon	5	<b>Namorik atol</b>	814
Enejelar	55	Enewetak	594	Lejab	4	Namorik	814
Biken	8			Lae	296		
Ajelep	4	<b>Jabat island</b>	112	Enerain	14	<b>Namu atoll</b>	801
Aliej	14	Jabat	112			Namu	293
Barorkan	3			<b>Likiep atoll</b>	482	Majkin	237
Marib	8	<b>Jaluit atoll</b>	1709	Melang	64	Enemak	5
Ailuk	333	Den	2	Jebal	74	Mae	151
Alkilwe	6	Wutle	10	Likiep	344	Loen	107
		Lonone	38			Lukoj	8
<b>Arno atoll</b>	1656	Narnej	93	<b>Majuro atoll</b>	19664		
Namwi	9	Bukantorak	8	Jelter	24	<b>Ujae atoll</b>	448
Mwejrrik	16	Nanij	2	Rongrong	245	Ujae	448
Bikonele	5	Mejatto	65	Kalalen	19		
Bikarej	66	Imroj	140	Biken	8	<b>Utirik atoll</b>	409
Eneaitok	11	Ajejen	34	Enemanet	6	Utirik	409
Ajmanol	7	Imiej	158	Denmeo	7		
Kabinbok	3	Jabwor	674	Bokmej	14	<b>Wotho</b>	90
Eneweto	10	Jaluit	246	Didej	16	Wotho	90
Tutu	106	Ewo	13	Kora	9		
Kejbwe	4	Menje	3	Ejit	170	<b>Wotje atoll</b>	646
Jilane	19	Mejrrirok	144	Enearmij	3	Wormej	184
Enrik	4	Ae	13	Darrit	6813	Kajjen	7
Taklep	5	Pinglep	7	Uliga	2144	Bodao	15
Boken	16	Jabnoren	44	Dalap	5692	Wotje	360
Langor	162	Bokanake	15	Rairok	2021	Enejeltak	3
Rearlaplap	254			Ajeltake	556	Ukon	5
Iloan	27	<b>Kili island</b>	602	Woja	224	Wetwirok	5
Kolalen	5	Kili	602	Arrak	118	Kaben	9
Autlep	5			Laura	1575	Nibun	54
Ajeltokrok	429	<b>Lib island</b>	115			Kimajo	4
Kobjeltak	331	Lib	115	<b>Rongelap atoll</b>	0		
Ulien	162			<b>Ujelang atoll</b>	0		

Source: Census of Population and Housing, 1988, OPS, RMI

Table 2.9 MARITAL STATUS BY SEX AND FIVE-YEAR AGE GROUPS, 1988

Age group	Total	Never		Divorced/		
		married	Married	Widowed	separated	Not stated
<b>Both sexes</b>	<b>24637</b>	<b>9741</b>	<b>13710</b>	<b>788</b>	<b>393</b>	<b>5</b>
12-14 years	3393	3363	24	1	3	2
15-19 years	4085	3467	590	5	22	1
20-24 years	3510	1394	2040	10	65	1
25-29 years	3027	600	2345	14	68	0
30-34 years	2656	331	2258	17	50	0
35-39 years	2187	195	1929	24	39	0
40-44 years	1492	122	1310	27	32	1
45-49 years	971	67	855	29	20	0
50-54 years	743	40	638	50	15	0
55-59 years	680	38	542	83	17	0
60-64 years	635	39	474	100	22	0
65-69 years	544	34	349	140	21	0
70-74 years	373	20	218	129	6	0
75+ years	341	31	138	159	13	0
<b>Male, total</b>	<b>12599</b>	<b>5516</b>	<b>6757</b>	<b>196</b>	<b>125</b>	<b>5</b>
12-14 years	1780	1771	7	0	0	2
15-19 years	2104	1956	145	1	1	1
20-24 years	1686	863	810	1	11	1
25-29 years	1520	379	1120	3	18	0
30-34 years	1348	208	1114	5	21	0
35-39 years	1205	121	1066	3	15	0
40-44 years	758	75	670	5	7	1
45-49 years	549	45	490	5	9	0
50-54 years	386	24	350	9	3	0
55-59 years	359	19	310	19	11	0
60-64 years	313	16	262	26	9	0
65-69 years	255	18	195	35	7	0
70-74 years	183	9	125	44	5	0
75+ years	153	12	93	40	8	0
<b>Female, total</b>	<b>12038</b>	<b>4225</b>	<b>6953</b>	<b>592</b>	<b>268</b>	<b>0</b>
12-14 years	1613	1592	17	1	3	0
15-19 years	1981	1511	445	4	21	0
20-24 years	1824	531	1230	9	54	0
25-29 years	1507	221	1225	11	50	0
30-34 years	1308	123	1144	12	29	0
35-39 years	982	74	863	21	24	0
40-44 years	734	47	640	22	25	0
45-49 years	422	22	365	24	11	0
50-54 years	357	16	288	41	12	0
55-59 years	321	19	232	64	6	0
60-64 years	322	23	212	74	13	0
65-69 years	289	16	154	105	14	0
70-74 years	190	11	93	85	1	0
75+ years	168	19	45	119	5	0

Source: 1988 Census of Population and Housing, OPS. Majuro, RMI.

Table 2.10 DEMOGRAPHIC INDICATORS FOR THE PERIOD, 1988-2035  
(medium projection)

Demographic Indicators	1988-1990	1990-1995	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035
Crude birth rate (per thousand)	48.7	48.1	47.1	45.6	42.9	38.8	34	29.5	25.8	23
Total fertility rate	7.21	7.14	6.94	6.59	6.05	5.3	4.46	3.69	3.08	2.64
Crude death rate (per thousand)	9.4	8.9	7.9	6.9	6	5	4.2	3.7	3.4	3.4
Rate of natural increase (per thousand)	39.3	39.2	39.2	38.6	36.9	33.8	29.8	25.8	22.4	19.6
Life expectancy at birth										
Male	59.93	61.05	62.65	64.23	65.76	67.22	68.58	69.83	70.97	71.97
Female	62.91	64.11	65.86	67.63	69.36	71.02	72.58	74.01	75.31	76.48

The Expectation of Life at Birth is a particular case of expectation of life, and represents the mean length of life of individuals who have been subjected since birth to the mortality of table. The reciprocal of the expectation of life at birth is the life table death rate or death rate of the stationary population.

Rate of Natural Increase is the difference between the crude birth rate and the crude death rate.

Source: 1988 Census of Population and Housing, ops, Majuro, RMI.

Table 2.11 POPULATION BY ATOLLS/ISLANDS AND CITIZENSHIP, 1988

Atolls/ Islands	Total	Marshallese	Other			United States	Other
			Micronesian	Other Pacific	Other Asian		
<b>Total</b>	<b>43380</b>	<b>42016</b>	<b>698</b>	<b>42</b>	<b>71</b>	<b>302</b>	<b>14</b>
Ailinglaplap	1715	1702	8	-	-	5	-
Ailuk	488	487	-	-	-	1	-
Aron	1656	1644	3	-	-	8	1
Aur	438	438	-	-	-	-	-
Bikini	10	8	-	-	-	-	-
Ebon	741	739	-	-	-	2	-
Enewetak	715	702	9	-	1	3	-
Jabat	112	112	-	-	-	-	-
Jaluit	1709	1689	10	-	-	9	-
Kili	602	593	4	1	-	-	-
Kwajalein	9311	9028	162	1	-	68	-
Lae	319	319	-	-	-	-	-
Lib	115	115	-	-	-	-	-
Likiep	482	480	-	-	-	2	-
Majuro	19664	18732	444	40	70	187	13
Maloelap	796	792	2	-	-	2	-
Mejit	445	444	-	-	-	1	-
Mili	854	811	39	-	-	4	-
Namorik	814	794	17	-	-	3	-
Namu	801	797	-	-	-	4	-
Ujae	448	447	-	-	-	1	-
Utirik	409	409	-	-	-	-	-
Wotho	90	89	-	-	-	1	-
Wotje	646	645	-	-	-	1	-

Source: 1988 Census of Population and Housing, OPS, RMI

Table 2.12 POPULATION BY RELATIONSHIP TO HEAD OF HOUSEHOLD BY ATOLL/ISLAND, 1988

Atoll/Island	Total	Head	Spouse	Unmarried child	Married child	Spouse of child	Grand-child	Parent	Other relative	Not related/ Not stated
<b>All atolls/islands</b>	<b>43,380</b>	<b>4,923</b>	<b>3,895</b>	<b>15,067</b>	<b>1,623</b>	<b>1,310</b>	<b>6,226</b>	<b>688</b>	<b>8,405</b>	<b>1,243</b>
Number	100	11	9	35	4	3	14	2	19	3
Percent										
Ailinglaplap	1,715	200	147	649	65	44	349	12	195	54
Ailuk	488	72	45	182	21	11	105	6	43	3
Arno	1,656	188	156	701	52	30	173	22	330	4
Aur	438	60	52	190	7	8	55	4	58	4
Bikini	10	3	-	-	-	-	-	-	-	7
Ebon	741	90	62	282	18	13	120	13	135	8
Enewetak	715	103	76	248	23	18	79	11	155	2
Jabat	112	17	11	38	1	1	10	2	27	5
Jaluit	1,709	203	154	663	50	38	253	7	229	112
Kili	602	81	67	189	13	7	60	11	65	109
Kwajalein	9,311	950	789	3,116	432	355	1,418	135	1,937	179
Lae	319	25	22	120	29	12	53	7	51	-
Lib	115	16	12	47	2	2	23	-	6	7
Likiep	482	71	54	212	11	9	73	6	46	-
Majuro	19,664	2,228	1,803	6,504	716	626	2,617	389	4,152	629
Maloelap	796	103	82	307	28	21	130	12	106	7
Mejit	445	48	37	141	17	13	88	2	72	27
Mili	854	98	70	350	15	15	81	15	200	10
Namorik	814	96	67	369	23	18	95	11	119	16
Namu	801	86	47	207	38	30	187	8	169	29
Rongelap	-	-	-	-	-	-	-	-	-	-
Ujae	448	37	32	159	30	20	112	-	38	20
Ujelang	-	-	-	-	-	-	-	-	-	-
Utrik	409	53	46	143	13	9	41	7	86	11
Wocho	90	16	12	37	-	-	12	2	11	-
Wotje	646	79	52	213	19	10	92	6	175	-

Source: Census of Population and Housing, 1988, OPS, RMI

### **3 Health and Vital Statistics**

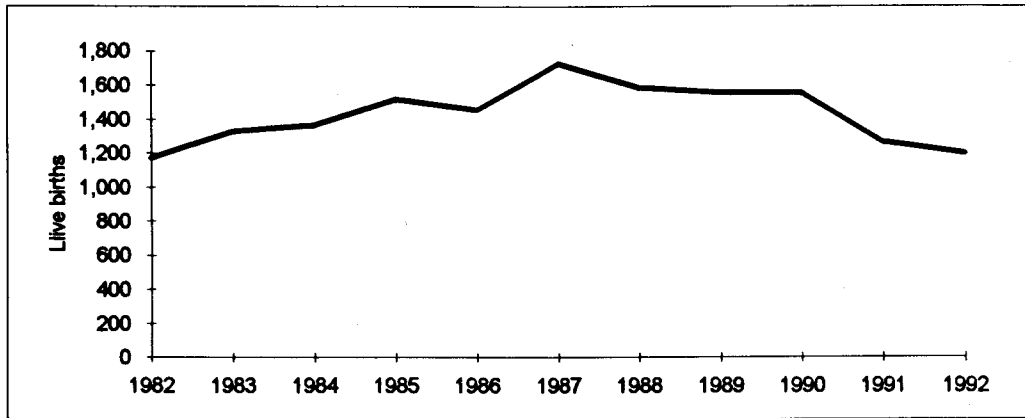


Figure 3.1 Number of registered live births (see table 3.3 for data)

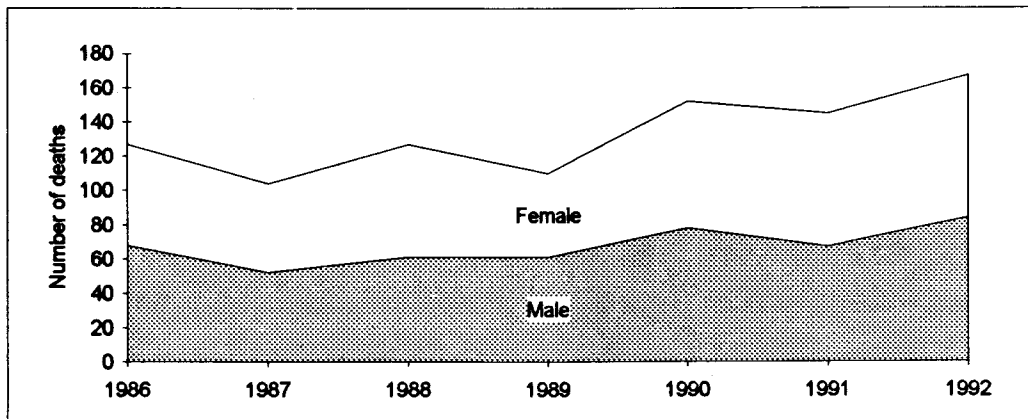


Figure 3.2 Number of registered deaths (see table 3.5 for data)

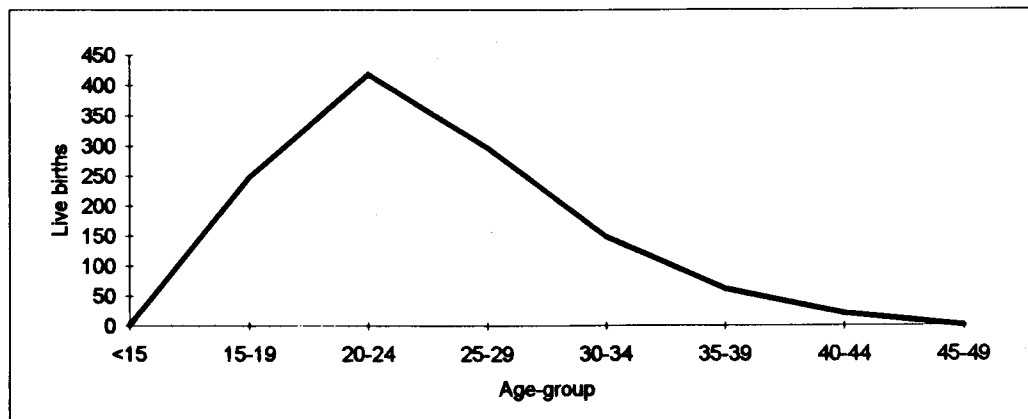


Figure 3.3 Number of registered live births, 1992 (see table 3.4 for data)

## **Health and Vital Statistics**

This section presents data on registered births and deaths in the Marshall Islands. The Planning and Vital Statistics Department of the Ministry of Health Services is responsible for registering births and deaths. Vital statistics are compiled from returns received by the department from Majuro and Ebeye hospitals and from outer islands health service centers.

Vital statistics in developing countries are well known for under-reporting despite efforts to improve them in the past decades. Marshall Islands is not an exception. Users may expect some under-reporting of births and deaths due to a number of factors including in particular, Marshall Islands' geographically scattered population, or from delays in reporting vital events.

Table 3.1 TOTAL FERTILITY RATE AND AGE SPECIFIC FERTILITY RATE, 1959-1988

Age group	Census, 1973			Census, 1980			Census, 1988		
	Period of estimate			Period of estimate			Period of estimate		
	1959/63	1964/68	1969/73	1966/70	1971/75	1976/80	1977/78	1982/83	1988
Total Fertility Rate (TFR)	7.920	8.720	8.420	8.140	7.920	7.880	7.510	7.390	7.230
Age Specific Fertility Rate (ASFR)									
15-19 years	0.171	0.161	0.126	0.147	0.149	0.155	0.121	0.137	0.162
20-24 years	0.338	0.345	0.322	0.346	0.324	0.332	0.360	0.368	0.391
25-29 years	0.364	0.398	0.380	0.377	0.363	0.356	0.382	0.385	0.347
30-34 years	0.316	0.383	0.374	0.344	0.317	0.305	0.307	0.290	0.246
35-39 years	0.238	0.274	0.284	0.241	0.238	0.242	0.247	0.202	0.182
40-44 years	0.114	0.135	0.130	0.124	0.131	0.133	0.063	0.075	0.089
45-49 years	0.044	0.049	0.070	0.049	0.062	0.053	0.023	0.021	0.029

An Age Specific Fertility Rate (ASFR) is calculated as the number of births in a year to mothers of a specific age per women (or per 1000 women) of the same age at midyear.

The Total Fertility Rate (TFR) is a summary measure independent of the age and sex composition of a population. It represents the average number of children a group of women would have by the end of their reproductive years.

Source: 1988 Census of Population and Housing, OPS, Majuro, RMI.

Table 3.2 INDIRECT ESTIMATES OF INFANT MORTALITY RATES BY SEX, 1988

Both Sexes		Male		Female	
IMR	Reference period	IMR	Reference period	IMR	Reference period
63	July 1986	66	July 1986	60	July 1986
66	July 1984	70	July 1984	63	July 1984
68	February 198	74	February 198	61	March 1982
64	July 1979	70	June 1979	58	August 1979

The Infant Mortality Rate (IMR) is the number of deaths of infants under one year of age to the number of live births occurring that year. IMR is expressed as number per thousand of live births.

Source: 1988 Census of Population and Housing, OPS, RMI

Table 3.3 NUMBERS OF REGISTERED LIVE BIRTHS, 1982-1992

Atoll/Islands	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
All atoll/islands	1,172	1,328	1,364	1,520	1,454	1,727	1,587	1,554	1,555	1,266	1,195
Ailinglaplap	65	59	60	63	39	64	57	43	45	17	31
Ailuk	24	17	23	14	14	23	12	13	16	4	4
Arno	26	25	39	23	33	37	43	37	39	18	23
Aur	4	20	16	20	15	9	16	9	10	3	10
Ebon	22	-	21	15	19	24	18	19	20	7	12
Enewetak	18	5	9	23	7	10	6	13	4	-	10
Jabat	5	3	5	2	4	5	6	3	1	-	1
Jaluit	40	43	34	52	28	42	50	34	42	17	15
Kili	7	14	14	7	9	11	19	9	4	5	1
Kwajalein	305	358	330	378	366	405	336	364	410	328	277
Lae	3	9	10	12	10	11	10	2	10	1	1
Lib	-	-	4	2	6	1	2	4	-	-	1
Likiep	10	5	15	5	2	7	8	4	5	-	3
Majuro	526	634	638	782	788	903	892	875	844	795	735
Maloelap	15	24	21	24	16	29	16	24	16	10	4
Mejit	14	10	17	19	7	11	11	8	7	6	5
Mili	9	12	15	5	11	17	14	18	17	11	12
Namorik	23	35	36	13	32	67	27	21	22	13	12
Namu	7	4	15	5	7	12	12	17	13	6	10
Rongelap	10	7	6	4	-	-	-	-	-	-	-
Ujae	16	16	11	19	12	18	7	4	10	9	5
Ujelang	-	-	3	-	2	-	-	-	-	-	-
Uterik	14	13	15	16	15	7	10	11	6	8	13
Wotho	4	4	3	1	-	3	1	6	1	1	1
Wotje	7	9	4	16	12	11	14	6	13	2	9
Unknown	-	-	-	-	-	-	-	10	-	5	-

Source: Medical Vital Statistics, Central Hospital, Majuro.

Table 3.4 NUMBER OF REGISTERED BIRTHS BY AGE GROUP OF MOTHER, 1987-92

Age group of mother	1987	1988	1989	1990	1991	1992
All age groups	1727	1587	1554	1555	1266	1195
Under 15 years	6	14	5	4	4	1
15 - 19 years	266	270	232	250	268	248
20 - 24 years	567	539	566	545	453	418
25 - 29 years	463	407	384	392	268	297
30 - 34 years	267	216	231	227	175	149
35 - 39 years	127	107	109	98	71	62
40 - 44 years	25	33	25	38	25	20
45 - 49 years	4	1	2	1	2	-

Source: Medical Vital Statistics, Central Hospital, Majuro

Table 3.5 NUMBER OF REGISTERED DEATHS BY AGE GROUP AND SEX, 1986 - 1992

Age group	1986	1987	1988	1989	1990	1991	1992
<b>Both sexes, total</b>	<b>187</b>	<b>143</b>	<b>186</b>	<b>151</b>	<b>213</b>	<b>202</b>	<b>230</b>
Under 1 year	38	24	32	29	42	44	38
1-4 years	23	9	21	10	8	13	21
5-9 years	8	3	7	3	4	4	1
10-14 years	1	0	2	2	3	1	4
15-19 years	6	5	2	2	8	4	7
20-24 years	4	4	9	6	7	5	10
25-29 years	4	6	4	5	9	5	4
30-34 years	10	6	9	8	2	3	5
35-39 years	2	6	4	4	8	8	9
40-44 years	2	5	6	5	8	7	13
45-49 years	6	4	6	8	7	9	9
50-54 years	8	4	11	10	13	11	7
55-59 years	15	8	8	12	19	12	16
60-64 years	18	16	13	10	18	18	20
65-69 years	14	14	17	11	19	18	19
70-74 years	13	11	15	11	18	21	21
75 years & over	15	18	20	15	20	19	26
<b>Male, total</b>	<b>68</b>	<b>52</b>	<b>61</b>	<b>61</b>	<b>78</b>	<b>67</b>	<b>84</b>
Under 1 year	22	15	18	16	27	29	15
1-4 years	16	5	12	6	3	9	13
5-9 years	6	1	3	2	2	2	1
10-14 years	-	-	1	1	3	1	4
15-19 years	5	5	2	1	6	3	6
20-24 years	-	3	9	4	6	3	9
25-29 years	3	3	4	5	9	3	4
30-34 years	8	5	7	2	1	3	3
35-39 years	-	2	3	4	4	4	8
40-44 years	1	3	5	4	5	4	8
45-49 years	5	4	4	6	7	3	7
50-54 years	7	3	3	9	9	7	4
55-59 years	13	5	5	5	9	8	12
60-64 years	11	9	9	8	12	10	15
65-69 years	11	9	12	8	11	12	13
70-74 years	10	11	8	10	12	14	11
75 years & over	10	8	15	11	13	9	14
<b>Female, total</b>	<b>59</b>	<b>52</b>	<b>66</b>	<b>49</b>	<b>74</b>	<b>78</b>	<b>83</b>
Under 1 year	16	9	14	13	15	15	23
1-4 years	7	4	9	4	5	4	8
5-9 years	2	2	4	1	2	2	-
10-14 years	1	-	1	1	0	0	-
15-19 years	1	-	-	1	2	1	1
20-24 years	4	1	-	2	1	2	1
25-29 years	1	3	-	-	0	2	-
30-34 years	2	1	2	6	1	0	2
35-39 years	2	4	1	-	4	4	1
40-44 years	1	2	1	1	3	3	5
45-49 years	1	-	2	2	0	6	2
50-54 years	1	1	8	1	4	4	3
55-59 years	2	3	3	7	10	4	4
60-64 years	7	7	4	2	6	8	5
65-69 years	3	5	5	3	8	6	6
70-74 years	3	-	7	1	6	7	10
75 years & over	5	10	5	4	7	10	12

Source : Medical Vital Statistics, Central Hospital, Majuro and Registrar General.

Table 3.6 NUMBER OF REGISTERED DEATHS BY CAUSE OF DEATH AND SEX, 1988 - 1992

Cause of Death	1989			1990			1991			1992		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
<b>All causes</b>	<b>151</b>	<b>102</b>	<b>49</b>	<b>211</b>	<b>138</b>	<b>73</b>	<b>201</b>	<b>118</b>	<b>83</b>	<b>230</b>	<b>152</b>	<b>78</b>
Acidosis	2	2	-	-	-	-	-	-	-	3	3	-
Acidosis and Dehydration - Severe	-	-	-	2	1	1	2	-	2	-	-	-
Adenocarcinoma - Brain and Lung	1	1	-	-	-	-	-	-	-	-	-	-
Adenocarcinoma (R) Colon	-	-	-	-	-	-	-	-	-	-	-	-
Adenocarcinoma - Metastatic to Lung	1	1	-	-	-	-	-	-	-	-	-	-
Adenocarcinoma Renal cell, Metastatic	-	-	-	-	-	-	-	-	-	-	-	-
Adenocarcinoma of the Liver	-	-	-	-	-	-	-	-	-	-	-	-
Asphyxia	8	8	-	16	16	-	5	5	-	-	-	-
Asphyxia Neonatorum	2	-	2	2	-	2	1	1	-	-	-	-
Aspiration	-	-	-	-	-	-	2	1	1	1	1	-
Aspiration Pneumonia	1	1	-	2	1	1	2	-	2	-	-	-
Atherothrombotic Infaction, Cerebral	1	1	-	-	-	-	-	-	-	-	-	-
Atrio - Ventricular Nodal Bradycardia	-	-	-	-	-	-	-	-	-	-	-	-
Bleeding Esophageal Varices	-	-	-	-	-	-	-	-	-	1	1	-
Bronchiolitis - Severe	1	1	-	1	1	-	-	-	-	-	-	-
Cancer, Breast, Stage IV	-	-	-	-	-	-	1	-	1	3	-	3
Cancer, Cervix	-	-	-	-	-	-	-	-	-	2	-	2
Cancer, Colon	-	-	-	-	-	-	-	-	-	1	-	1
Cancer - Endometrial Metastatic	-	-	-	1	-	1	-	-	-	-	-	-
Cancer - Invasive Squamous Cell	1	-	1	-	-	-	-	-	-	-	-	-
Cancer - Liver	-	-	-	7	7	-	-	-	-	-	-	-
Cancer - Lung	1	-	1	4	4	-	5	3	2	3	3	-
Cancer - Lung with Brain Metastasis	-	-	-	-	-	-	-	-	-	-	-	-
Cancer - Metastatic Breast	-	-	-	1	-	1	2	-	2	-	-	-
Cancer - Metastatic Liver	1	1	-	-	-	-	-	-	-	-	-	-
Cancer of Cervix with Metastasis	1	-	1	1	-	1	-	-	-	-	-	-
Carcinoma	-	-	-	-	-	-	-	-	-	-	-	-
Carcinoma - Infiltration Ductal	1	-	1	-	-	-	-	-	-	-	-	-
Carcinoma Left Breast with Metastasis	1	-	1	-	-	-	-	-	-	-	-	-
Carcinoma of the Cervix, Terminal	1	-	1	1	-	1	2	-	2	-	-	-
Carcinoma - Pulmonary	-	-	-	-	-	-	-	-	-	-	-	-
Carcinoma of the Liver	-	-	-	-	-	-	-	-	-	-	-	-
Carcinoma of the Lung	1	1	-	-	-	-	-	-	-	-	-	-
Carcinoma of the Oropharynx	-	-	-	-	-	-	-	-	-	1	1	-
Carcinoma of the Ovary	-	-	-	-	-	-	1	-	1	2	-	2
Carcinoma of the Pancreas	-	-	-	1	-	1	-	-	-	-	-	-
Carcinoma of the Prostate	-	-	-	1	1	-	-	-	-	1	1	-
Carcinoma of the Rectum	-	-	-	-	-	-	1	1	-	-	-	-
Carcinoma of the Stomach	-	-	-	-	-	-	-	-	-	1	1	-
Carcinoma of the Uterus	-	-	-	-	-	-	-	-	-	1	-	1
Carcinoma - Bronchogenic	-	-	-	1	1	-	2	2	-	-	-	-
Cardiac Arrest	2	2	-	-	-	-	2	1	1	-	-	-
Cardiac Tamponade	1	1	-	-	-	-	1	1	-	-	-	-
Cardiogenic Shock	1	-	1	-	-	-	-	-	-	-	-	-
Cardio - Pulmonary Arrest	11	7	4	-	-	-	-	-	-	-	-	-

Table 3.6 NUMBER OF REGISTERED DEATHS BY CAUSE OF DEATH AND SEX, 1988 - 1992 (continued)

Cause of Death	1989			1990			1991			1992		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Cardio - Respiratory Arrest	8	3	5	-	-	-	-	-	-	-	-	-
Cardio - Respiratory Arrest - Acute	-	-	-	-	-	-	-	-	-	-	-	-
Cardio - Respiratory Failure	1	1	-	-	-	-	-	-	-	-	-	-
Cardio Vascular Accident	1	1	-	-	-	-	-	-	-	-	-	-
Cardio Vascular Accident - Hemorrhage	1	1	-	-	-	-	-	-	-	-	-	-
Cardio-Vascular Disease - Hypertensive	-	-	-	1	1	-	-	-	-	-	-	-
Cerebral Anoxia	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral Hemorrhage	5	3	2	-	-	-	-	-	-	-	-	-
Cerebral Hemorrhage - Massive	1	1	-	-	-	-	-	-	-	-	-	-
Cerebral Hemorrhage - Severe	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral Hypoxia	-	-	-	-	-	-	-	-	-	1	1	-
Cerebral Vascular Accident	-	-	-	13	8	5	10	3	7	17	14	3
Cerebral Vascular Accident - Severe	-	-	-	-	-	-	-	-	-	-	-	-
Cholecystitis, Acute	-	-	-	-	-	-	1	-	1	-	-	-
Chronic Renal Failure	-	-	-	-	-	-	-	-	-	-	-	-
Chronic Obstructive Pulmonary Disease	2	1	1	-	-	-	4	1	3	1	-	1
Cirrhosis of the Liver	-	-	-	-	-	-	-	-	-	2	2	-
Complete Atrioventricular Block	1	1	-	-	-	-	-	-	-	-	-	-
Congenital Abnormalities	-	-	-	7	5	2	3	1	2	6	2	4
Congenital Pulmonary Hypoplasia	1	-	1	-	-	-	-	-	-	-	-	-
Congestive Heart Failure	3	3	-	4	4	-	5	4	1	6	3	3
Congestive Heart Failure - Acute	1	1	-	-	-	-	-	-	-	-	-	-
Dehydration - Severe	-	-	-	1	-	1	-	-	-	5	2	3
Diffuse Intravascular Coagulopathy	-	-	-	1	-	1	-	-	-	-	-	-
Drowning	1	1	-	1	-	1	3	2	1	3	3	-
Electrocution	-	-	-	-	-	-	-	-	-	-	-	-
Electrolyte Imbalance - Acidosis	-	-	-	6	4	2	4	2	2	-	-	-
Encephalitis	-	-	-	1	1	-	-	-	-	-	-	-
Gastro - Intestinal Bleeding - Acute	-	-	-	1	-	1	-	-	-	-	-	-
Head Injury (MVA)	-	-	-	-	-	-	-	-	-	4	3	1
Hemophilus Influenza Meningitis	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhage - Intestinal	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhage - Severe	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic Pancreatitis - Acute	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic Shock	-	-	-	1	-	1	-	-	-	-	-	-
Hepatic Failure	-	-	-	2	1	1	-	-	-	-	-	-
Hepatoma	1	1	-	-	-	-	2	2	-	4	3	1
Hepatorenal Failure	-	-	-	5	4	1	3	2	1	-	-	-
Herniation, Brain Tumor	-	-	-	1	-	1	-	-	-	-	-	-
Hydrothorax-Massive-Acute	-	-	-	-	-	-	1	-	1	-	-	-
Hypoglycemia	1	1	-	-	-	-	-	-	-	1	1	-
Hypo - Osmolar Coma	1	1	-	-	-	-	-	-	-	-	-	-
Hypothermia / Apnea	-	-	-	-	-	-	-	-	-	-	-	-
Hypovolemic Shock	-	-	-	-	-	-	-	-	-	-	-	-
Hypoxia - Severe	-	-	-	1	1	-	-	-	-	1	-	1

Table 3.6 NUMBER OF REGISTERED DEATHS BY CAUSE OF DEATH AND SEX, 1988 - 1992 (continued)

Cause of Death	1989			1990			1991			1992		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Inanition	2	2	-	-	-	-	-	-	-	-	-	-
Intercerebral Hemorrhage	-	-	-	1	-	1	2	1	1	-	-	-
Internal Hemorrhage	-	-	-	-	-	-	-	-	-	3	3	-
Internal Injuries (fall)	-	-	-	-	-	-	-	-	-	1	1	-
Intestinal Obstruction	-	-	-	-	-	-	-	-	-	-	-	-
Intracranial Hemorrhage	1	-	1	-	-	-	-	-	-	-	-	-
Intraventricular Hemorrhage	-	-	-	-	-	-	-	-	-	-	-	-
Liver Causes	1	1	-	-	-	-	-	-	-	-	-	-
Liver Failure	3	2	1	-	-	-	-	-	-	3	2	1
Lymphatic Obstruction	-	-	-	-	-	-	-	-	-	-	-	-
Lymphocytic Leukemia - Acute	-	-	-	1	1	-	-	-	-	-	-	-
Lymphoma	1	-	1	-	-	-	-	-	-	-	-	-
Lymphoma, Malignant	-	-	-	1	1	-	-	-	-	-	-	-
Lymphoma - Mediastinal Tumor	-	-	-	-	-	-	-	-	-	-	-	-
Malnutrition - Kwashiorkor and Marasmus	-	-	-	-	-	-	-	-	-	7	4	3
Massive Gastro Intestinal Bleeding	-	-	-	-	-	-	3	3	-	-	-	-
Measles Encephalitis	-	-	-	-	-	-	-	-	-	-	-	-
Meconium Aspiration	4	3	1	-	-	-	-	-	-	2	1	1
Meningitis	-	-	-	1	-	1	-	-	-	-	-	-
Meningitis Bacterial	-	-	-	-	-	-	-	-	-	-	-	-
Metabolic Encephalopathy	-	-	-	-	-	-	-	-	-	-	-	-
Myocardial Infarction	4	4	-	2	2	-	-	-	-	14	12	2
Myocardial Infarction - Acute	-	-	-	8	5	3	13	13	-	-	-	-
Neoplasm - Cervical	-	-	-	-	-	-	-	-	-	-	-	-
Neuroblastoma Disseminated	-	-	-	-	-	-	-	-	-	-	-	-
Peritonitis	-	-	-	-	-	-	-	-	-	-	-	-
Pleural Effusion	-	-	-	-	-	-	2	2	-	-	-	-
Pneumonia	8	5	3	6	1	5	8	6	2	22	14	8
Pneumonia Aspiration	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia - Hypostatic	1	1	-	-	-	-	-	-	-	-	-	-
Pneumonia - Interstitial	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia-Lobar	-	-	-	-	-	-	1	-	1	-	-	-
Pneumonia - Overwhelming	1	1	-	-	-	-	-	-	-	-	-	-
Pneumonia - Severe	4	3	1	-	-	-	4	3	1	-	-	-
Pneumonia - Untreated	-	-	-	-	-	-	-	-	-	-	-	-
Prematurity	1	-	1	10	7	3	9	8	1	9	3	6
Prematurity - Apnea	1	1	-	-	-	-	-	-	-	-	-	-
Prematurity - Severe	1	1	-	3	2	1	4	2	2	-	-	-
Probable Myocardial Infarction	1	1	-	-	-	-	2	2	-	-	-	-
Probable Pulmonary Embolism	-	-	-	-	-	-	-	-	-	-	-	-
Probable Trans Position of Great Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Poisoning Methyl Alcohol	-	-	-	-	-	-	1	1	-	-	-	-
Pulmonary Arrest	-	-	-	-	-	-	-	-	-	-	-	-
Pulmonary Edema - Acute	1	1	-	1	1	-	1	1	-	-	-	-
Pulmonary Embolism	1	-	1	-	-	-	-	-	-	1	1	-

Table 3.6 NUMBER OF REGISTERED DEATHS BY CAUSE OF DEATH AND SEX, 1988 - 1992 (concluded)

Cause of Death	1989			1990			1991			1992		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Pulmonary Tuberculosis	1	-	1	-	-	-	3	3	-	7	5	2
Renal Disease - End Stage	2	1	1	8	5	3	8	6	2	11	6	5
Renal Failure	2	2	-	2	2	-	8	2	6	-	-	-
Renal Failure - Acute	1	-	1	1	1	-	-	-	-	-	-	-
Renal Failure - End Stage	1	-	1	-	-	-	-	-	-	-	-	-
Renal Failure - Hepatic	-	-	-	-	-	-	-	-	-	-	-	-
Renal Failure - Hepato	-	-	-	-	-	-	-	-	-	-	-	-
Renal Failure - Severe	1	1	-	-	-	-	-	-	-	-	-	-
Renal Insufficiency	-	-	-	-	-	-	-	-	-	-	-	-
Respiratory Arrest	6	4	2	-	-	-	-	-	-	-	-	-
Respiratory Arrest - Acute	-	-	-	1	-	1	-	-	-	-	-	-
Respiratory Distress Syndrome	-	-	-	-	-	-	1	-	1	-	-	-
Respiratory Failure	5	2	3	-	-	-	2	2	-	-	-	-
Respiratory Failure - Acute	1	-	1	-	-	-	1	-	1	-	-	-
Respiratory Failure - Central	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis - Overwhelming	-	-	-	-	-	-	-	-	-	-	-	-
Senility	-	-	-	2	-	2	1	1	-	3	2	1
Sepsis	2	2	-	-	-	-	-	-	-	30	22	8
Sepsis Neonatorum	1	1	-	4	2	2	7	3	4	9	4	5
Sepsis Overwhelming	1	1	-	-	-	-	-	-	-	-	-	-
Sepsis with Gangrene - Overwhelming	-	-	-	-	-	-	-	-	-	-	-	-
Sepsis - Severe	-	-	-	41	24	17	35	18	17	-	-	-
Septic Shock	-	-	-	-	-	-	7	3	4	-	-	-
Septicemia	13	9	4	-	-	-	-	-	-	-	-	-
Septicemia (Gram Negative) - Severe	1	1	-	-	-	-	-	-	-	-	-	-
Septicemia - Severe	1	-	1	-	-	-	-	-	-	-	-	-
Severe Head Injury	1	1	-	5	5	-	2	-	2	-	-	-
Shock	-	-	-	-	-	-	-	-	-	-	-	-
Shock - Increased Intra-Cranial Pressure	-	-	-	-	-	-	-	-	-	-	-	-
Silent Death	-	-	-	-	-	-	-	-	-	-	-	-
Skull Fracture	-	-	-	-	-	-	1	1	-	-	-	-
Small Bowel Gangrene	-	-	-	-	-	-	-	-	-	-	-	-
Status Asthaticus	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcal Meningitis	-	-	-	-	-	-	-	-	-	-	-	-
Subdural Bleeding	1	-	1	-	-	-	-	-	-	-	-	-
	1	1	-	-	-	-	-	-	-	2	1	1
Suffocation	-	-	-	-	-	-	-	-	-	-	-	-
Suicide (hanging)	-	-	-	-	-	-	-	-	-	8	8	-
Thrombo Embolism Mesenteric, Portal	-	-	-	-	-	-	1	-	1	-	-	-
Tuberculosis - Far Advanced	1	1	-	-	-	-	-	-	-	-	-	-
Ventricular Fibrillation	2	2	-	-	-	-	-	-	-	-	-	-
	-	-	-	3	2	1	-	-	-	-	-	-
Ventricular Arrythmia	-	-	-	-	-	-	-	-	-	-	-	-
Uremia	1	-	1	-	-	-	-	-	-	-	-	-
Unclassified	-	-	-	23	16	7	9	5	4	27	18	9

Source : Medical Vital Statistics, Central Hospital, Majuro.

Table 3.7 NUMBER OF REGISTERED INFANT-DEATHS BY CAUSE OF DEATH AND SEX, 1988 - 1992

Cause of Death	1989			1990			1991			1992		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
<b>All causes</b>	<b>29</b>	<b>16</b>	<b>13</b>	<b>42</b>	<b>27</b>	<b>15</b>	<b>45</b>	<b>29</b>	<b>16</b>	<b>38</b>	<b>15</b>	<b>23</b>
Acidosis	-	-	-	-	-	-	-	-	-	-	-	-
Asphyxia Neonatorum	-	-	-	-	-	-	1	1	-	-	-	-
Aspiration	1	-	1	-	-	-	-	-	-	-	-	-
Aspiration Pneumonia	1	1	-	2	1	1	-	-	-	-	-	-
Bronchiolitis - Severe	-	-	-	1	1	-	-	-	-	-	-	-
Cardio - Pulmonary Arrest	2	1	1	-	-	-	-	-	-	-	-	-
Cardio - Respiratory Arrest	4	-	4	-	-	-	-	-	-	-	-	-
Cardio - Respiratory Failure	1	1	-	-	-	-	-	-	-	-	-	-
Cerebral Anoxia	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Abnormalities	-	-	-	-	-	-	-	-	-	6	2	4
Congenital Pulmonary	-	-	-	7	5	2	2	1	1	-	-	-
Congenital Pulmonary Hypoplasia	1	-	1	-	-	-	-	-	-	-	-	-
Congestive Heart Failure	-	-	-	1	1	-	1	-	1	-	-	-
Diffuse Intravascular Coagulopathy	-	-	-	-	-	-	-	-	-	-	-	-
Electrolyte Imbalance - Acidosis	-	-	-	3	1	2	1	-	1	-	-	-
Hemophilus Influenza Meningitis	-	-	-	-	-	-	-	-	-	-	-	-
Hypothermia / Apnea	-	-	-	-	-	-	-	-	-	-	-	-
Hypoxia	-	-	-	-	-	-	-	-	-	1	-	1
Internal Injuries (Fall)	-	-	-	-	-	-	-	-	-	1	1	-
Intracranial Hemorrhage	-	-	-	-	-	-	-	-	-	-	-	-
Intraventricular Hemorrhage	-	-	-	-	-	-	-	-	-	-	-	-
Malnutrition	-	-	-	-	-	-	-	-	-	1	1	-
Meconium Aspiration	4	3	1	-	-	-	1	-	1	2	1	1
Meningitis	-	-	-	-	-	-	1	1	-	-	-	-
Peritonitis	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia	1	-	1	1	-	1	-	-	-	3	2	1
Pneumonia Aspiration	-	-	-	-	-	-	1	-	1	-	-	-
Pneumonia - Severe	2	2	-	-	-	-	3	3	-	-	-	-
Prematurity	1	-	1	10	7	3	9	8	1	9	3	6
Prematurity - Apnea	1	1	-	-	-	-	-	-	-	-	-	-
Prematurity - Severe	1	1	-	3	2	1	4	2	2	-	-	-
Probable Trans Position of Great Vessel	-	-	-	-	-	-	-	-	-	-	-	-
Pulmonary Tuberculosis	-	-	-	-	-	-	-	-	-	3	-	3
Pulmonary Arrest	-	-	-	-	-	-	-	-	-	-	-	-
Respiratory Arrest	5	4	1	-	-	-	-	-	-	-	-	-
Respiratory Distress Syndrome	-	-	-	-	-	-	1	-	1	-	-	-
Respiratory Failure - Central	2	1	1	-	-	-	-	-	-	-	-	-
Sepsis	-	-	-	-	-	-	-	-	-	-	-	-
Sepsis Neonatorum	1	1	-	4	2	2	7	3	4	9	4	5
Sepsis Overwhelming	-	-	-	-	-	-	-	-	-	-	-	-
Septicemia - Severe	1	-	1	6	5	1	11	8	3	-	-	-
Small Bowel Gangrene	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcal Meningitis	-	-	-	-	-	-	-	-	-	-	-	-
Suffocation	-	-	-	-	-	-	-	-	-	2	1	1
Unclassified	-	-	-	2	2	-	2	2	-	1	-	1

Source : Medical Vital Statistics, Central Hospital, Majuro.

## **4 Characteristics of households**

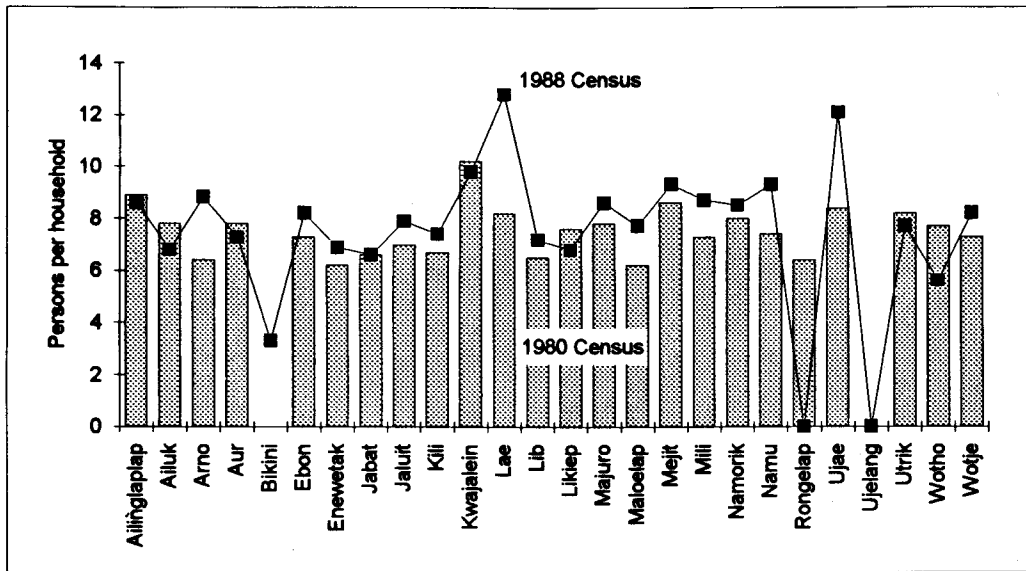


Figure 4.1 Average household size (see table 4.1 for data)

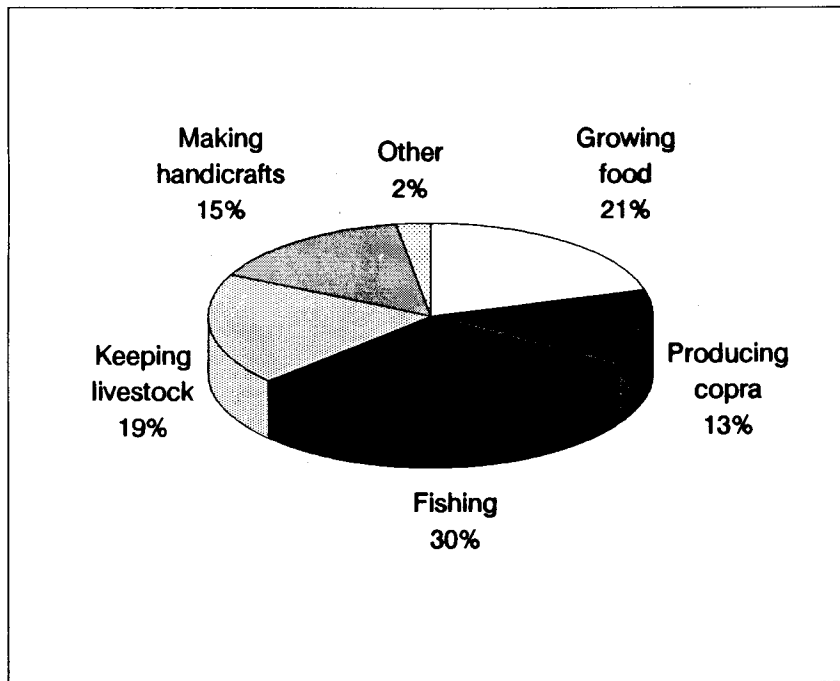


Figure 4.2 Households engaged in subsistence activities, 1988 (see table 4.2 for data)

## **Characteristics of households**

Household level information provides a key to understanding the social, cultural and economic conditions of a country. Though this kind of information in Marshall Islands is meager at present, more information would certainly be becoming available as more researche, studies and surveys are carried out in the future. This section presents some household level information available from the 1980 Census and 1988 Census.

**Household.** According the 1988 Census, a household is defined as consisting of a group of persons who live together and usually cook and eat together. It may consist of one or more persons who may or may not be related to each other and who may occupy the whole house or part of it. If two or more groups or persons, each of which has its own separate cooking and eating arrangements, live in the same house they are treated as separate households.

Table 4.1 NUMBER OF HOUSEHOLDS AND AVERAGE HOUSEHOLD SIZE BY ATOLL/ISLAND: 1980, 1988

Atoll/Island	1980 Census		1988 Census	
	Number of households	Persons per household	Number of households	Persons per household
<b>All atolls/islands</b>	<b>3871</b>	<b>8.0</b>	<b>4923</b>	<b>8.8</b>
Ailinglaplap	156	8.9	200	8.6
Ailuk	53	7.8	72	6.8
Arno	231	6.4	188	8.8
Aur	57	7.8	60	7.3
Bikini	-	-	3	3.3
Ebon	121	7.3	90	8.2
Enewetak	87	6.2	103	6.9
Jabat	11	6.6	17	6.6
Jaluit	207	7.0	203	7.9
Kili	73	6.7	81	7.4
Kwajalein	652	10.2	950	9.8
Lae	29	8.2	25	12.8
Lib	15	6.5	16	7.2
Likiep	63	7.6	71	6.8
Majuro	1,510	7.8	2,228	8.6
Maloelap	99	6.2	103	7.7
Mejit	38	8.6	48	9.3
Mili	104	7.3	98	8.7
Namoniik	77	8.0	96	8.5
Namu	89	7.4	86	9.3
Rongelap	37	6.4	-	-
Ujae	37	8.4	37	12.1
Ujelang	-	-	-	-
Utirik	41	8.2	53	7.7
Wotho	11	7.7	16	5.6
Wotje	73	7.3	79	8.2

In the 1988 Census of Population and Housing, a total of 661 persons were in group quarters: 524 in Majuro Atoll, 100 in Jaluit Atoll 37 in Kwajalein Atoll.

Source : 1980 Census of Population, U.S. Bureau of the Census. 1988 Census of Population and Housing, OPS, RMI

Table 4.2 HOUSEHOLDS ENGAGED IN SUBSISTANCE ACTIVITIES BY ATOLL AND TYPE OF ACTIVITY, 1988

Atoll / Island	All households	Growing	Producing	Fishing	Keeping	Making	Other
		food	copra		livestock	handicrafts	
<b>All atoll/islands</b>							
<b>Number</b>	<b>11,386</b>	<b>2,401</b>	<b>1,562</b>	<b>3,399</b>	<b>2,253</b>	<b>1,771</b>	<b>274</b>
<b>Percent</b>	<b>100.0</b>	<b>21.1</b>	<b>13.7</b>	<b>29.9</b>	<b>19.8</b>	<b>15.6</b>	<b>2.4</b>
Ailinglaplap	676	131	173	164	98	110	3
Ailuk	310	57	66	67	56	64	1
Arno	881	179	180	184	184	154	-
Aur	254	48	53	55	42	56	-
Bikini	6	3	-	3	-	-	-
Ebon	286	69	79	64	36	38	1
Enewetak	177	43	3	85	37	9	2
Jabat	59	14	17	16	10	2	-
Jaluit	677	139	107	176	128	127	1
Kili	219	30	13	73	31	72	-
Kwajalein	892	67	16	588	111	110	196
Lae	107	23	23	25	24	12	-
Lib	45	12	7	9	11	6	-
Likiep	308	70	53	67	69	49	-
Majuro	4,051	997	243	1,287	924	600	66
Maloelap	438	87	92	94	86	79	1
Mejit	227	44	45	46	46	46	-
Mili	447	96	90	94	95	72	1
Namoniik	392	88	85	80	87	52	-
Namu	269	55	68	57	29	60	1
Ujae	119	33	30	31	24	1	-
Utirik	176	43	40	45	44	4	-
Wotho	52	13	10	14	15	-	-
Wotje	318	60	69	75	66	48	1

Source : 1988 Census of Population and Housing, OPS, RMI

Table 4.3 HOUSEHOLDS BY ATOLLS/ISLANDS AND SOURCE OF DRINKING WATER, TOILET FACILITIES, SOURCE OF ENERGY FOR COOKING AND LIGHTING, 1988

Atolls/Islands	Source of drinking water					Toilet facilities					Source of energy for lighting					Source of energy for cooking				
	Piped (in)	Piped (out)	Rain Catchment	Well	Other	Flush toilet	Water seal	Pit latrine	None	Other	Electricity	Electricity (solar)	Kerosene	None	Other	Electricity	Gas	Kerosene	Fire woods	Other
All atolls/islands	1440	1013	2101	267	102	2150	882	801	1213	77	2758	142	1777	225	20	1827	53	2353	880	10
Aiingileap	-	2	177	8	13	4	32	22	140	2	10	1	188	1	-	7	5	114	74	-
Aiuk	-	-	26	44	2	1	16	7	45	3	5	2	65	-	-	-	-	46	26	-
Arno	-	1	149	38	-	4	9	11	164	-	4	3	180	1	-	2	2	114	70	-
Aur	-	1	45	7	7	3	6	27	24	-	2	-	58	-	-	1	-	24	35	-
Bikini	3	-	-	-	-	3	-	-	-	-	3	-	-	-	-	3	-	-	-	-
Ebon	-	1	73	12	4	1	18	15	47	9	6	-	82	2	-	-	-	60	30	-
Enewetak	-	2	101	-	-	3	98	-	2	-	3	3	97	-	-	-	-	102	1	-
Jabat	-	-	17	-	-	-	8	-	9	-	6	4	7	-	-	-	1	16	-	-
Jakut	11	6	176	7	3	31	26	11	121	14	67	3	133	-	-	50	-	73	80	-
Kili	-	-	81	-	-	81	-	-	-	-	80	1	-	-	-	41	1	39	-	-
Kwajalein	500	320	116	5	9	785	43	30	79	13	786	57	11	92	4	615	12	318	4	1
Lae	-	-	24	1	-	-	4	6	15	-	-	4	-	21	-	-	-	19	6	-
Lib	-	-	16	-	-	-	-	10	6	-	1	-	15	-	-	-	-	8	8	-
Likiep	-	-	68	3	-	2	-	69	-	-	16	-	54	1	-	1	2	65	3	-
Majuro	923	679	536	36	54	1227	469	216	288	28	1740	16	455	5	12	1100	24	1043	54	7
Maloelap	1	-	80	21	1	-	39	7	56	1	3	1	99	-	-	1	1	80	21	-
Mejt	-	-	42	3	3	-	-	48	-	-	2	1	45	-	-	1	-	12	35	-
Mili	-	-	87	8	3	2	2	23	70	1	9	1	87	1	-	2	2	51	42	1
Namoni	2	1	81	10	2	1	64	7	20	4	1	1	94	-	-	1	1	53	40	1
Namu	-	-	61	25	-	-	2	12	71	1	-	-	-	86	-	-	1	14	71	-
Rongelap	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ujae	-	-	37	-	-	-	18	11	8	-	2	-	35	-	-	-	-	15	22	-
Ujelang	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utirik	-	-	38	15	-	1	3	26	23	-	11	42	-	-	-	2	-	43	8	-
Wotho	-	-	16	-	-	-	9	-	7	-	-	1	-	14	1	-	1	11	4	-
Wotje	-	-	54	24	1	1	16	43	18	1	2	1	72	1	3	-	-	33	46	-

Source: Census of Population and Housing, 1988, OPS, RMI

## **5 Education**

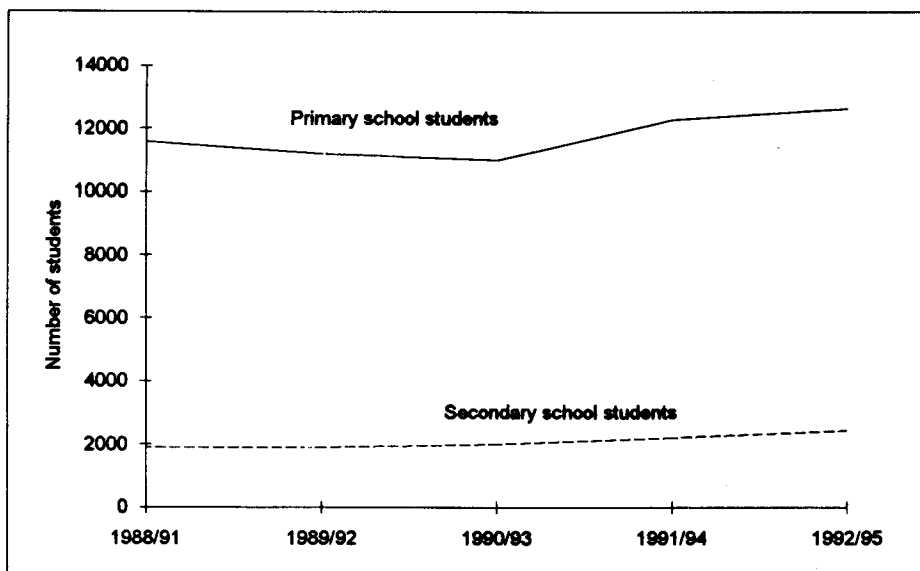
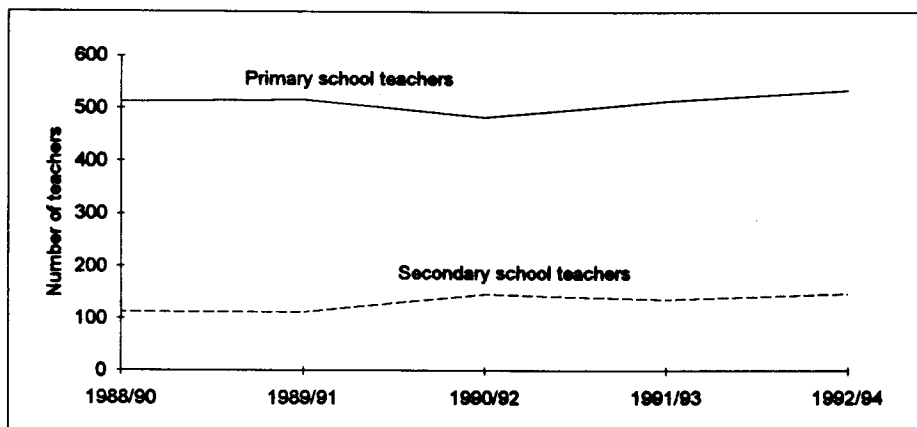
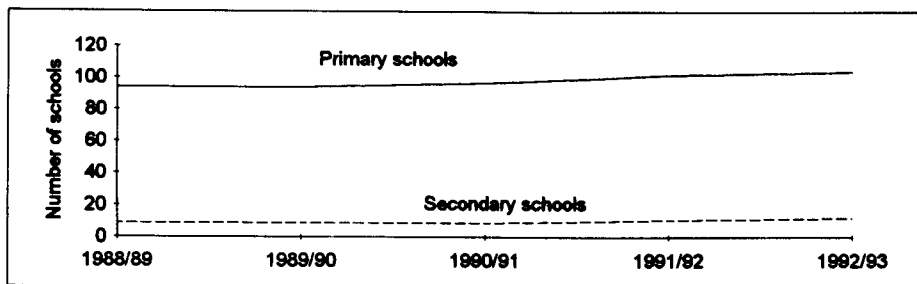


Figure 5.1 Schools, teachers and students (see table 5.1 for data)

## Education

This section presents data on number of both public and private schools, school teachers and enrollment as well as data on students graduated from eighth grade in public schools, and Marshall Islands scholarship holders. Data for this section was provided by the Ministry of Education.

**Reference date.** The number of schools, teachers and students refer to beginning of the school year.

**Schools.** *Primary schools* are schools with grades 1 through 8 and *Secondary schools* are those with grades 9 through 12.

**School year.** School year in Marshall Islands starts in late August to early September of one year and ends in June of next year.

**Scholarship holders.** *Marshall Islands scholarship holders* are those who received scholarship fund from the government scholarship fund to go abroad to study at colleges and universities.

Table 5.1 PUBLIC AND PRIVATE PRIMARY SCHOOLS, TEACHERS AND ENROLLMENT BY ATOLL / ISLAND: 1988/89-1992/93

Atoll/Island	Number of schools					Number of teachers					Number of students				
	88/89	89/90	90/91	91/92	92/93	88/89	89/90	90/91	91/92	92/93	88/89	89/90	90/91	91/92	92/93
<b>Both public &amp; private schools</b>	<b>94</b>	<b>94</b>	<b>97</b>	<b>102</b>	<b>104</b>	<b>512</b>	<b>516</b>	<b>483</b>	<b>516</b>	<b>536</b>	<b>11581</b>	<b>11187</b>	<b>10981</b>	<b>12293</b>	<b>12625</b>
Ailinglaplap	9	9	9	10	11	33	35	33	36	36	624	561	512	587	607
Ailuk	2	2	3	4	4	7	8	6	12	12	131	150	157	234	171
Arno	11	11	11	12	12	30	31	31	35	31	610	589	562	619	636
Aur	2	2	2	2	2	7	6	10	7	7	137	136	140	118	114
Ebon	3	3	3	3	3	12	13	13	13	14	243	274	286	294	337
Enewetak	2	2	2	2	2	9	11	8	9	7	189	221	174	188	155
Jabat	1	1	1	1	1	2	1	2	2	2	36	28	45	36	43
Jaluit	10	10	10	10	10	29	25	27	25	28	529	519	567	561	606
Kili	1	1	2	2	1	7	7	9	11	7	143	143	154	213	148
Kwajalein	9	9	10	10	10	97	95	96	87	95	2372	2210	2131	2697	2651
Lae	1	1	1	1	1	3	4	2	4	4	94	96	102	98	97
Lib	1	1	1	1	1	2	2	2	2	2	41	39	45	38	44
Likiep	3	3	3	3	3	8	8	8	8	11	151	150	158	165	180
Majuro	15	15	15	17	19	187	198	166	189	200	4563	4402	4303	4720	5092
Maloelap	5	5	5	5	5	13	13	11	13	14	256	244	220	249	263
Mejit	1	1	1	1	1	6	5	6	6	5	131	131	131	135	113
Mili	5	5	5	5	5	10	9	8	10	12	273	257	252	267	281
Namorik	1	1	1	1	1	11	9	11	9	8	259	261	279	258	270
Namu	5	5	5	5	5	14	13	13	15	13	276	287	266	285	291
Ujae	1	1	1	1	1	4	4	2	4	6	129	119	119	151	141
Ujelang	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utirik	1	1	1	1	1	5	4	3	5	6	114	109	112	83	100
Wotho	1	1	1	1	1	2	2	2	2	2	48	32	46	51	49
Wotje	4	4	4	4	4	14	13	14	11	14	232	229	220	246	236
<b>Public schools</b>	<b>74</b>	<b>74</b>	<b>76</b>	<b>76</b>	<b>78</b>	<b>372</b>	<b>359</b>	<b>335</b>	<b>330</b>	<b>339</b>	<b>9015</b>	<b>8655</b>	<b>8344</b>	<b>8911</b>	<b>9150</b>
Ailinglaplap	8	8	8	8	9	28	29	28	28	29	564	501	457	491	512
Ailuk	2	2	3	3	3	7	8	6	7	8	131	150	157	165	132
Arno	9	9	9	9	9	22	23	23	24	19	477	466	419	482	446
Aur	2	2	2	2	2	7	6	10	7	7	137	136	140	118	114
Ebon	3	3	3	3	3	12	13	13	13	14	243	274	286	294	337
Enewetak	2	2	2	2	2	9	11	8	9	7	189	221	174	188	155
Jabat	1	1	1	1	1	2	1	2	2	2	36	28	45	36	43
Jaluit	8	8	8	8	8	20	17	19	18	21	417	429	455	445	496
Kili	1	1	2	2	1	7	7	9	11	7	143	143	154	213	148
Kwajalein	4	4	4	4	4	53	45	43	35	39	1357	1195	1215	1448	1426
Lae	1	1	1	1	1	3	4	2	4	4	94	96	102	98	97
Lib	1	1	1	1	1	2	2	2	2	2	41	39	45	38	44
Likiep	3	3	3	3	3	8	8	8	8	11	151	150	158	165	180
Majuro	7	7	7	7	9	119	119	98	95	95	3392	3231	2978	3106	3375
Maloelap	5	5	5	5	5	13	13	11	13	14	256	244	220	249	263
Mejit	1	1	1	1	1	6	5	6	6	5	131	131	131	135	113
Mili	5	5	5	5	5	10	9	8	10	12	273	257	252	267	281
Namorik	1	1	1	1	1	11	9	11	9	8	259	261	279	258	270
Namu	4	4	4	4	4	12	11	11	11	11	254	261	240	253	258
Ujae	1	1	1	1	1	4	4	2	4	6	129	119	119	151	141
Ujelang	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utirik	1	1	1	1	1	5	4	3	5	6	114	109	112	83	100
Wotho	1	1	1	1	1	2	2	2	2	2	48	32	46	51	49
Wotje	3	3	3	3	3	10	9	10	7	10	179	182	160	177	170
<b>Private schools</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>26</b>	<b>26</b>	<b>140</b>	<b>157</b>	<b>148</b>	<b>186</b>	<b>197</b>	<b>2566</b>	<b>2532</b>	<b>2637</b>	<b>3382</b>	<b>3476</b>
Ailinglaplap	1	1	1	2	2	5	6	5	8	7	60	60	55	96	95
Ailuk	-	-	-	1	1	-	-	-	5	4	-	-	-	69	39
Arno	2	2	2	3	3	8	8	8	11	12	133	123	143	137	190
Jaluit	2	2	2	2	2	9	8	8	7	7	112	90	112	116	110
Kwajalein	5	5	6	6	6	44	50	53	52	56	1015	1015	916	1249	1225
Majuro	8	8	8	10	10	68	79	68	94	105	1171	1171	1325	1614	1717
Namu	1	1	1	1	1	2	2	2	4	2	22	26	26	32	33
Wotje	1	1	1	1	1	4	4	4	4	4	53	47	60	69	66

Source: Ministry of Education

Table 5.2 PUBLIC AND PRIVATE SECONDARY SCHOOLS, TEACHERS AND ENROLLMENT BY ATOLL / ISLAND: 1988/89-1992/93

	Number of schools					Number of teachers					Number of students				
	88/89	89/90	90/91	91/92	92/93	88/89	89/90	90/91	91/92	92/93	88/89	89/90	90/91	91/92	92/93
<b>Both public &amp; private schools</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>11</b>	<b>12</b>	<b>113</b>	<b>113</b>	<b>147</b>	<b>137</b>	<b>148</b>	<b>1910</b>	<b>1910</b>	<b>2010</b>	<b>2216</b>	<b>2427</b>
Ailinglaplap	-	-	-	-	1	-	-	-	-	2	-	-	-	-	38
Kwajalein	3	3	3	4	4	11	11	19	19	27	292	292	346	417	419
Jaluit	1	1	1	1	1	15	15	17	22	19	185	185	185	226	226
Majuro	5	5	5	6	6	87	87	111	96	100	1433	1433	1479	1572	1744
<b>Public Schools</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>61</b>	<b>61</b>	<b>63</b>	<b>62</b>	<b>64</b>	<b>891</b>	<b>891</b>	<b>867</b>	<b>894</b>	<b>939</b>
Jaluit	1	1	1	1	1	15	15	17	22	19	185	185	185	226	226
Majuro	1	1	1	1	1	46	46	46	40	45	706	706	682	668	713
<b>Private Schools</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>8</b>	<b>8</b>	<b>52</b>	<b>52</b>	<b>84</b>	<b>75</b>	<b>82</b>	<b>1019</b>	<b>1019</b>	<b>1143</b>	<b>1321</b>	<b>1488</b>
Ailinglaplap	-	-	-	-	1	-	-	-	-	2	-	-	-	-	38
Kwajalein	3	3	3	3	3	11	11	19	19	27	292	292	346	417	419
Majuro	4	4	4	5	5	41	41	65	56	55	727	727	797	904	1031

Source : Ministry of Education

Table 5.3 PRIVATE PRIMARY AND SECONDARY SCHOOL ENROLLMENT BY GRADE AND SEX, 1982/83-1992/93

Sex & year	All schools	Primary school									Secondary school				
		Grade: 1st	2nd	3rd	4th	5th	6th	7th	8th	Total	Grade: 9th	10th	11th	12th	Total
<b>Both sexes</b>															
1982/83	2,477	296	263	261	238	214	215	169	171	1,827	237	172	129	112	650
1983/84	2,825	349	308	300	281	244	215	218	228	2,143	246	184	142	110	682
1984/85	2,818	336	281	288	274	256	211	206	218	2,070	275	185	172	116	748
1985/86	2,827	292	294	253	265	243	218	176	218	1,959	296	248	187	137	868
1986/87	3,172	419	309	285	282	268	248	236	207	2,254	337	285	171	125	918
1987/88	2,946	393	330	281	286	248	264	245	274	2,321	227	174	145	79	625
1988/89	3,346	425	357	318	280	242	233	228	244	2,327	439	257	167	156	1,019
1989/90	3,734	482	396	338	326	297	253	270	278	2,640	469	262	210	153	1,094
1990/91	3,913	693	356	293	298	270	274	212	241	2,637	426	426	245	179	1,276
1991/92	4,703	933	444	410	358	336	318	306	277	3,382	488	359	264	210	1,321
1992/93	4,586	558	484	414	393	341	329	308	271	3,098	591	348	317	232	1,488
<b>Male</b>															
1982/83	1,198	154	138	125	117	87	101	77	83	882	127	81	56	52	316
1983/84	1,388	167	154	148	153	119	106	110	111	1,068	106	97	72	45	320
1984/85	1,402	175	139	144	136	120	97	101	115	1,027	136	85	99	55	375
1985/86	1,373	148	146	125	129	109	103	83	95	938	139	133	83	80	435
1986/87	1,543	194	144	152	151	115	121	113	95	1,085	183	131	90	54	458
1987/88	1,440	193	149	148	138	142	119	123	124	1,136	120	73	68	43	304
1988/89	1,638	214	167	138	137	134	125	103	117	1,135	222	139	73	69	503
1989/90	1,844	259	199	164	135	148	122	134	119	1,280	240	136	109	79	564
1990/91	1,922	346	173	158	138	128	142	109	120	1,314	201	201	120	86	608
1991/92	2,382	507	224	219	183	162	153	147	141	1,736	247	159	130	110	646
1992/93	2,312	269	270	197	210	173	167	146	126	1,558	313	173	152	116	754
<b>Female</b>															
1982/83	1,279	142	125	136	121	127	114	92	88	945	110	91	73	60	334
1983/84	1,437	182	154	152	128	125	109	108	117	1,075	140	87	70	65	362
1984/85	1,416	161	142	144	138	136	114	105	103	1,043	139	100	73	61	373
1985/86	1,454	144	148	128	136	134	115	93	123	1,021	157	115	104	57	433
1986/87	1,629	225	165	133	131	153	127	123	112	1,169	154	154	81	71	460
1987/88	1,506	200	181	133	148	106	145	122	150	1,185	107	101	77	36	321
1988/89	1,708	211	190	180	143	108	108	125	127	1,192	217	118	94	87	516
1989/90	1,890	223	197	174	191	149	131	136	159	1,360	229	126	101	74	530
1990/91	1,991	347	133	135	160	142	132	103	121	1,323	225	225	125	93	668
1991/92	2,321	426	220	191	175	174	165	159	136	1,646	241	200	134	100	675
1992/93	2,274	289	214	217	183	168	162	162	145	1,540	278	175	165	116	734

Source: Ministry of Education

Table 5.4 NUMBER OF STUDENTS GRADUATED FROM EIGHT GRADE IN PUBLIC SCHOOLS, 1989-92

Atoll/Island	June, 1989			June, 1990			June, 1991			June, 1992		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
<b>All</b>	<b>880</b>	<b>445</b>	<b>435</b>	<b>867</b>	<b>434</b>	<b>433</b>	<b>837</b>	<b>393</b>	<b>444</b>	<b>936</b>	<b>489</b>	<b>450</b>
Ailingiaplapp	61	33	28	48	27	21	49	21	28	45	21	24
Ailuk	21	15	6	16	7	9	25	11	14	16	7	9
Arno	33	17	16	36	16	20	41	25	16	43	17	26
Aur	11	5	6	14	8	6	15	5	10	18	10	8
Ebon	34	13	21	31	16	15	34	22	12	46	32	14
Enewetak	12	7	5	18	10	8	7	2	5	17	6	11
Jabat	0	0	0	4	1	3	4	3	1	1	-	1
Jaluit	54	26	28	59	31	28	54	23	31	61	37	24
Kili	9	5	4	9	3	6	10	5	5	17	15	2
Kwajalein	119	59	60	114	59	55	116	48	68	122	61	61
Lae	10	7	3	6	2	4	6	5	1	4	3	4
Lib	7	3	4	3	1	2	3	0	3	3	1	2
Likiep	16	7	9	18	11	7	13	6	7	23	10	13
Majuro	330	162	168	331	165	166	309	140	169	347	187	160
Maloelap	31	14	17	28	11	17	20	9	11	20	13	7
Mejit	9	6	3	9	6	3	9	6	3	19	4	15
Mili	26	16	10	29	10	19	26	13	13	30	14	16
Namorik	17	8	9	18	10	8	17	8	9	30	19	11
Namu	21	7	14	27	15	12	34	17	17	38	18	20
Ujae	16	9	7	16	10	6	12	6	6	13	3	10
Utrik	11	8	3	10	3	7	10	8	2	5	3	2
Wotho	3	3	0	3	2	1	3	2	1	4	3	1
Wotje	29	15	14	20	10	10	20	8	12	14	5	9

Source: Ministry of Education

Table 5.5 MARSHALL ISLANDS SCHOLARSHIP HOLDERS BY AGE GROUP AND SEX : 1988/89 TO 1991/92

Age group	1988/89			1989/90			1990/91			1991/92			1992/93		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
<b>All</b>	<b>117</b>	<b>77</b>	<b>40</b>	<b>174</b>	<b>121</b>	<b>53</b>	<b>156</b>	<b>102</b>	<b>54</b>	<b>191</b>	<b>122</b>	<b>69</b>	<b>138</b>	<b>89</b>	<b>49</b>
15 - 19 years	10	2	8	43	28	15	30	18	12	43	21	22	24	18	6
20 - 24 years	86	59	27	91	59	32	93	58	35	103	64	39	76	49	27
25 - 29 years	10	7	3	11	9	2	14	11	3	20	17	3	15	8	7
30 - 34 years	4	3	1	9	6	3	5	4	1	8	6	2	12	6	6
35 - 39 years	4	3	1	11	10	1	9	6	3	9	7	2	5	2	3
40 - 44 years	2	2	0	6	6	0	3	3	0	6	5	1	2	2	-
45 - 49 years	1	1	0	3	3	0	2	2	0	2	2	0	4	4	-

Source : Marshall Islands Scholarship, Grant & Loan Program, Ministry of Education

## **6 Labor force and employment**

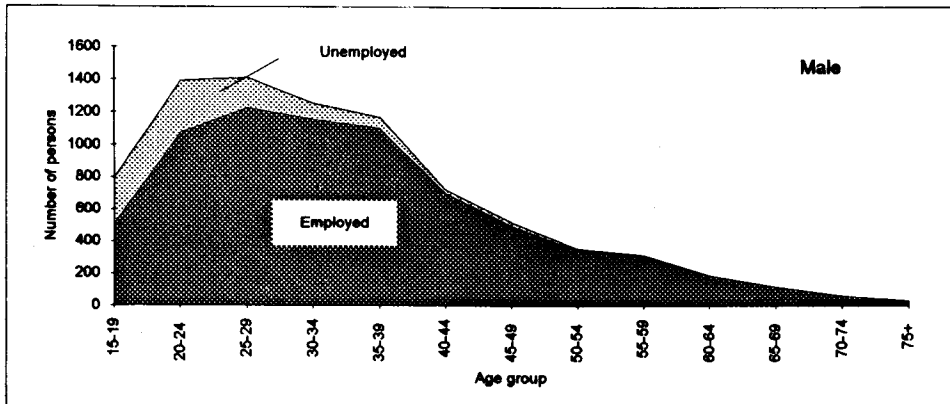


Figure 6.1 Labor force, male, 1988 (see table 6.1 for data)

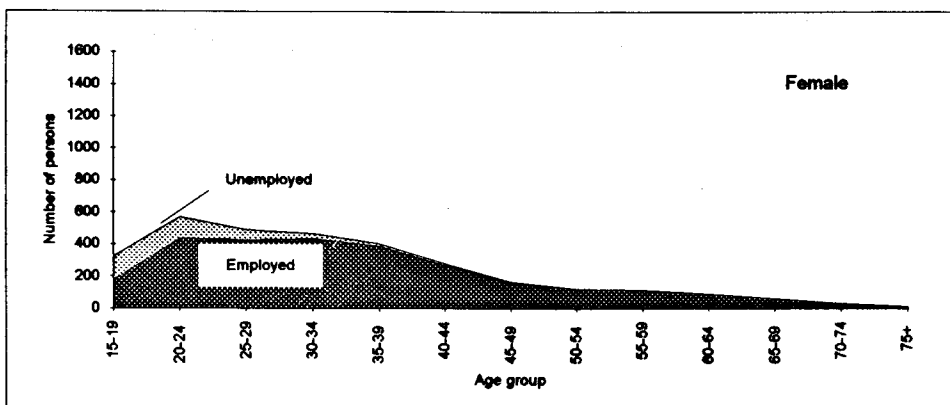


Figure 6.2 Labor force, female, 1988 (see table 6.1 for data)

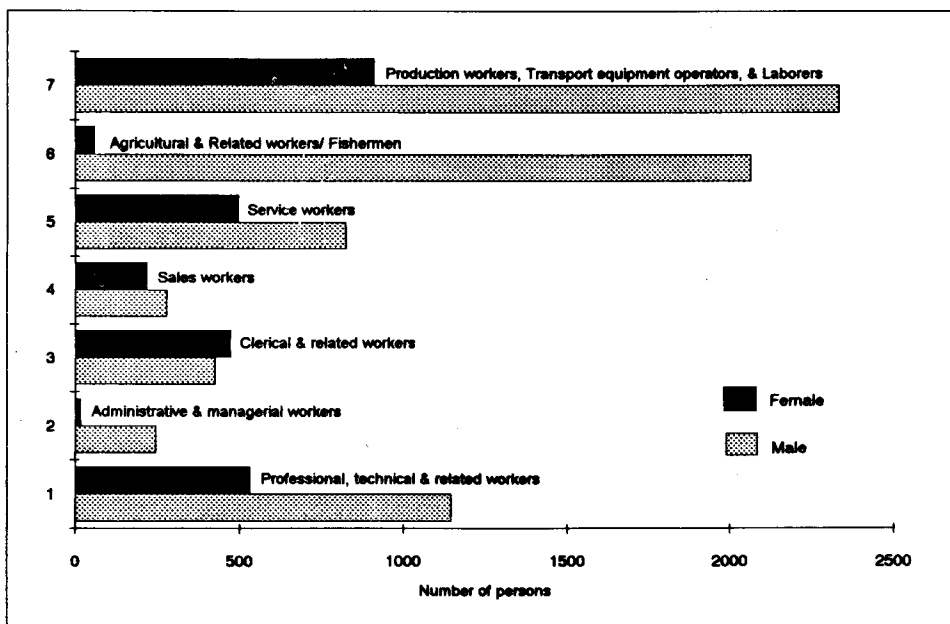


Figure 6.3 Employment by major occupation group, 1988 (see table 6.5 for data)

## Labor force and employment

This section presents data on labor force, employment and unemployment in terms of occupational groups, industry, public and private sectors, and nationality. Major sources of information for labor force and employment data are the 1980 and 1988 Censuses. Statistical bulletins of the Trust Territory of the Pacific Islands (TTPI) provide some historical data on employment. Current employment information could be obtained from the Marshall Islands Social Security Administration.

**Labor force.** Labor force or economically active population consisted of employed and the unemployed.

**Employed.** According to the 1988 Census definition employed population "... included those who were active during the week before the census in providing for themselves or their families."

**Unemployed.** According to the 1988 Census definition the unemployment were "... those who sought work in the week before the census as well as those who did not seek work but were available for work."

**Not in labor force.** Those who were not in the labor force (not economically active) were defined by the 1988 Census as

" Home-makers, who were occupied with purely domestic duties. ...

Students were those attending school, college or training courses full time.

Too old were those aged fifty years or more who, on account of age, were not economically active.

Disabled were those who were not active by reason of mental or physical disability.

Others were persons in institutions - patients in hospital, prisoners and the like, but not students boarding at high school - and two or three who were reported as 'visitors'."

The user is cautioned in using the labor force and employment data because, as noted in the 1988 Census report, (1)

"in a subsistence economy the borderline between home-making and being economically active is notoriously vague. The difference in the rates for atolls is probably due as much to differing interpretations of the instructions as to anything else."

Table 6.1 LABOR FORCE, EMPLOYMENT AND UNEMPLOYMENT: 1988

Sex and age group	Economically active (labor force)	Employed		Unemployed	
		Number	Percent of labor force	Number	Percent of labor force
<b>All</b>	<b>11,488</b>	<b>10,056</b>	<b>88</b>	<b>1,432</b>	<b>12</b>
15-19 years	1,120	686	61	434	39
20-24 years	1,962	1,511	77	451	23
25-29 years	1,904	1,655	87	249	13
30-34 years	1,721	1,593	93	128	7
35-39 years	1,572	1,490	95	82	5
40-44 years	1,005	973	97	32	3
45-49 years	688	657	95	31	5
50-54 years	480	467	97	13	3
55-59 years	432	420	97	12	3
60-64 years	281	281	100	0	0
65-69 years	182	182	100	0	0
70-74 years	96	96	100	0	0
75+ years	45	45	100	0	0
<b>Male total</b>	<b>8,353</b>	<b>7,335</b>	<b>88</b>	<b>1,018</b>	<b>12</b>
15-19 years	795	508	64	287	36
20-24 years	1,392	1,077	77	315	23
25-29 years	1,414	1,228	87	186	13
30-34 years	1,256	1,158	92	98	8
35-39 years	1,168	1,104	95	64	5
40-44 years	726	703	97	23	3
45-49 years	521	498	96	23	4
50-54 years	357	344	96	13	4
55-59 years	316	307	97	9	3
60-64 years	190	190	100	0	0
65-69 years	119	119	100	0	0
70-74 years	65	65	100	0	0
75+ years	34	34	100	0	0
<b>Female total</b>	<b>3,135</b>	<b>2,722</b>	<b>87</b>	<b>414</b>	<b>13</b>
15-19 years	325	179	55	147	45
20-24 years	570	434	76	136	24
25-29 years	490	427	87	63	13
30-34 years	465	435	94	30	6
35-39 years	404	386	96	18	4
40-44 years	279	270	97	9	3
45-49 years	167	159	95	8	5
50-54 years	123	123	100	0	0
55-59 years	116	113	97	3	3
60-64 years	91	91	100	0	0
65-69 years	63	63	100	0	0
70-74 years	31	31	100	0	0
75+ years	11	11	100	0	0

Source: 1988 Census of Population and Housing, OPS, RMI

Table 6.2 EMPLOYED POPULATION BY MAJOR OCCUPATIONAL GROUPS: 1980

Major Occupational Groups	Total		Male		Female	
	Number	Percent	Number	Percent	Number	Percent
<b>All occupational groups</b>	<b>6,645</b>	<b>100.0</b>	<b>4,587</b>	<b>100.0</b>	<b>2,011</b>	<b>100.0</b>
<b>Managerial and Professional Specialty Occupations</b>	<b>872</b>	<b>13.1</b>	<b>652</b>	<b>14.2</b>	<b>206</b>	<b>10.2</b>
Executive, Administrative & Managerial	288	4.3	252	5.5	31	1.5
Professional Speciality Occupations	584	8.8	400	8.7	175	8.7
<b>Technical, Sales and Administrative Support Occupa</b>	<b>720</b>	<b>10.8</b>	<b>432</b>	<b>9.4</b>	<b>288</b>	<b>14.3</b>
Technicians and related support occupations	111	1.7	79	1.7	30	1.5
Sales occupations	227	3.4	105	2.3	120	6.0
Admin: support occupations including clerical	391	5.9	248	5.4	138	6.9
<b>Service occupations</b>	<b>741</b>	<b>11.2</b>	<b>483</b>	<b>10.5</b>	<b>258</b>	<b>12.8</b>
Private Household occupations	11	0.2	-	0.0	11	0.5
Protective Service occupations	145	2.2	137	3.0	5	0.2
Other service occupations	596	9.0	346	7.5	242	12.0
<b>Farming, Forestry, Fishing Occupations</b>	<b>84</b>	<b>1.3</b>	<b>80</b>	<b>1.7</b>	<b>4</b>	<b>0.2</b>
<b>Precision production, Craft and Repair occupations</b>	<b>553</b>	<b>8.3</b>	<b>532</b>	<b>11.6</b>	<b>21</b>	<b>1.0</b>
<b>Operators, Fabricators and Labourers</b>	<b>640</b>	<b>9.6</b>	<b>601</b>	<b>13.1</b>	<b>39</b>	<b>1.9</b>
Machine Operators, Assemblers and inspectors	150	2.3	119	2.6	28	1.4
Transportation and Material Moving Occupations	332	5.0	319	7.0	6	0.3
Handlers, Equipment cleaners, Helpers and Labour	172	2.6	163	3.6	5	0.2
<b>Primarily Subsistence Activity</b>	<b>3,002</b>	<b>45.2</b>	<b>1,807</b>	<b>39.4</b>	<b>1,195</b>	<b>59.4</b>

Source: Census 1980 - US Bureau of the Census, and Office of Planning and Statistics

Table 6.3 EMPLOYED POPULATION BY INDUSTRY - CENSUS 1980

Industry	Total		Male		Female	
	Number	Percent	Number	Percent	Number	Percent
<b>All industries</b>	<b>6,598</b>	<b>100.0</b>	<b>4,587</b>	<b>100.0</b>	<b>2,011</b>	<b>100.0</b>
<b>Agriculture, Forestry, Fisheries and Mining</b>	<b>3,044</b>	<b>46.1</b>	<b>1,846</b>	<b>40.2</b>	<b>1,198</b>	<b>59.6</b>
Money Economy	42	-	39	-	3	-
Primarily Subsistence Activity	3,002	-	1,807	-	1,195	-
<b>Construction</b>	<b>372</b>	<b>5.6</b>	<b>361</b>	<b>7.9</b>	<b>11</b>	<b>0.5</b>
<b>Manufacturing</b>	<b>114</b>	<b>1.7</b>	<b>91</b>	<b>2.0</b>	<b>23</b>	<b>1.1</b>
Nondurable goods	94	-	77	-	17	-
Durable	20	-	14	-	6	-
<b>Transportation</b>	<b>243</b>	<b>3.7</b>	<b>231</b>	<b>5.0</b>	<b>12</b>	<b>0.6</b>
<b>Communications and other public utilities</b>	<b>59</b>	<b>0.9</b>	<b>54</b>	<b>1.2</b>	<b>5</b>	<b>0.2</b>
<b>Wholesale Trade</b>	<b>148</b>	<b>2.2</b>	<b>107</b>	<b>2.3</b>	<b>41</b>	<b>2.0</b>
<b>Retail Trade</b>	<b>395</b>	<b>6.0</b>	<b>212</b>	<b>4.6</b>	<b>183</b>	<b>9.1</b>
<b>Finance, Insurance and Real Estate</b>	<b>29</b>	<b>0.4</b>	<b>12</b>	<b>0.3</b>	<b>17</b>	<b>0.8</b>
<b>Business and Repair Services</b>	<b>606</b>	<b>9.2</b>	<b>507</b>	<b>11.1</b>	<b>99</b>	<b>4.9</b>
<b>Personal, Entertainment and Recreation Services</b>	<b>71</b>	<b>1.1</b>	<b>22</b>	<b>0.5</b>	<b>49</b>	<b>2.4</b>
<b>Professional and Related Services</b>	<b>926</b>	<b>14.0</b>	<b>651</b>	<b>14.2</b>	<b>275</b>	<b>13.7</b>
Health Services	238	-	163	-	75	-
Educational Services	554	-	397	-	157	-
Other Professional and related services	134	-	91	-	43	-
<b>Public Administration</b>	<b>591</b>	<b>9.0</b>	<b>493</b>	<b>10.7</b>	<b>98</b>	<b>4.9</b>

Source: Census 1980 - U. S. Bureau of the Census, and Office of Planning and Statistics

Table 6.4 EMPLOYED POPULATION CLASSIFIED BY MAJOR INDUSTRY GROUPS AND SEX: 1988

Major industry group	Total		Male		Female	
	Number	Percent	Number	Percent	Number	Percent
<b>All Industries</b>	<b>10,155</b>	<b>100.0</b>	<b>7,335</b>	<b>100.0</b>	<b>2,721</b>	<b>100.0</b>
Agriculture & fishing	2,178	21.5	2,080	28.4	70	2.6
Mining & Quarrying	2	0.0	2	0.0	-	0.0
Manufacturing	946	9.3	84	1.1	861	31.6
Electricity & water	83	0.8	78	1.1	4	0.1
Construction	1,090	10.7	1,043	14.2	33	1.2
Wholesale / Retail Restaurants & Hotels	1,404	13.8	753	10.3	641	23.6
Transport, Storage & Communication	544	5.4	482	6.6	55	2.0
Finance, Insurance Real Estate & Business	842	8.3	660	9.0	173	6.4
Community, Social & & Personal Services	3,064	30.2	2,151	29.3	884	32.5
Not Stated	2	0.0	2	0.0	-	0.0

Source : 1988 Census of Population and Housing, OPS, RMI.

Table 6.5 EMPLOYED POPULATION BY MAJOR OCCUPATIONAL GROUP AND SEX, 1988

Occupation	Total		Male		Female	
	Number	Percent	Number	Percent	Number	Percent
<b>All occupation group</b>	<b>10,056</b>	<b>100.0</b>	<b>7,335</b>	<b>100.0</b>	<b>2,721</b>	<b>100.0</b>
Professional, Technical & Related Workers	1,682	16.7	1,148	15.7	534	19.6
Administrative & Managerial Workers	265	2.6	247	3.4	18	0.7
Clerical & Related Workers	902	9.0	428	5.8	474	17.4
Sales Workers	501	5.0	281	3.8	220	8.1
Service Workers	1,322	13.1	825	11.2	497	18.3
Agricultural & Related Workers / Fishermen	2,129	21.2	2,067	28.2	62	2.3
Production Workers, Transport Equipment Operators & Labourers	3,249	32.3	2,335	31.8	914	33.6
Not Stated	6	0.1	4	0.1	2	0.1

Source : 1988 Census of Population and Housing, OPS, RMI.

Table 6.6 EMPLOYED POPULATION BY CLASS OF WORKER, CENSUS - 1980

Class of Worker	Total		Male		Female	
	Number	Percent	Number	Percent	Number	Percent
<b>All workers</b>	<b>6,698</b>	<b>100.0</b>	<b>4,587</b>	<b>100.0</b>	<b>2,011</b>	<b>100.0</b>
<b>Paid employees, total</b>	<b>3,498</b>	<b>52.2</b>	<b>2,669</b>	<b>58.2</b>	<b>771</b>	<b>38.3</b>
Private Wage & Salary Worker	1,657	24.7	1,212	26.4	419	20.8
Government Workers	212	3.2	176	3.8	32	1.6
Local Government Workers	1,629	24.3	1,281	27.9	320	15.9
<b>Other workers, total</b>	<b>3,200</b>	<b>47.8</b>	<b>1,918</b>	<b>41.8</b>	<b>1,240</b>	<b>61.7</b>
Self-Employed Workers	146	2.2	107	2.3	37	1.8
Unpaid Family Workers	12	0.2	4	0.1	8	0.4
Primarily Subsistence Worker	3,041	45.4	1,807	39.4	1,195	59.4

Source: Census 1980 - U.S. Bureau of the Census  
Office of Planning and Statistics, RMI

Table 6.7 PAID EMPLOYEES IN THE PUBLIC AND PRIVATE SECTOR - SELECTED YEARS, 1979 - 1992

Year & nationality	Total public & private sector	Public Sector	Private Sector			
			Total	Majuro	Ebeye	Kwajalein
1979						
Micronesian	4002	1929	2073	1415		658
Other	824	80	744	224	520	
Total	4826	2009	2817	1639	520	658
1982						
Micronesian	4753	2214	2539	1808	110	621
Other	227	89	138	136	2	
Total	4980	2303	2677	1944	112	621
1985						
Micronesian	5158	2171	2987	2278	91	618
Other	329	96	233	227	6	
Total	5487	2267	3220	2505	97	618
1986						
Micronesian	6542	2478	4064	3167	156	741
Other	429	107	322	314	8	
Total	6971	2585	4386	3481	164	741
1987						
Micronesian	6713	2340	4373	3109	206	1058
Other	426	84	342	331	11	
Total	7139	2424	4715	3440	217	1058
1988						
Micronesian	4922	2121	2801	1262	385	1154
Other	912	321	591	572	19	
Total	5834	2442	3392	1834	404	1154
1989						
Micronesian	-	-	3376	2294	294	788
Other	-	-	294	277	17	
Total	6224	2554	3670	2571	311	788
1990						
Micronesian	-	-	3762	2612	376	774
Other	-	-	406	367	39	
Total	6839	2671	4168	2979	415	774
1991						
Micronesian	-	-	4044	2816	431	797
Other	-	-	439	395	44	
Total	7277	2794	4483	3211	475	797
1992						
Micronesian	-	-	4357	2835	506	1039
Other	-	-	473	398	52	
Total	7707	2877	4830	3233	558	1039

Note: The figures in this table include those employed for short durations as well.  
Excludes U.S. Citizens working in Kwajalein Missile Range (USAKA).

Source: Ministry of Finance  
Marshall Islands Social Security Administration

Year and source	Monetised sector			Subsistence sector
	Total	Public	Private	
1973, Census	3468	-	-	2281
1979, Skill & Occupation Survey	3632	1415	2217	3367
1980, Census	3596	1809	1787	3002
1988, Census	7983	3392	4591	2073

The figures in this table include those employed for short durations well.

Source: TTPI, Office of Planning and Statistics, quarterly Bulletin of Statistics,  
 Vol.No.3 December 1978. Table 9 (for 1973 Census) and Vol. 1, No.3,  
 September 1979, Table 3.8 (for skill survey 1977 results).  
 1980 Census of Population, US Bureau of the Census.  
 1988 Census of Population and Housing, OPS, RMI

## **7 Agriculture, livestock and fisheries**

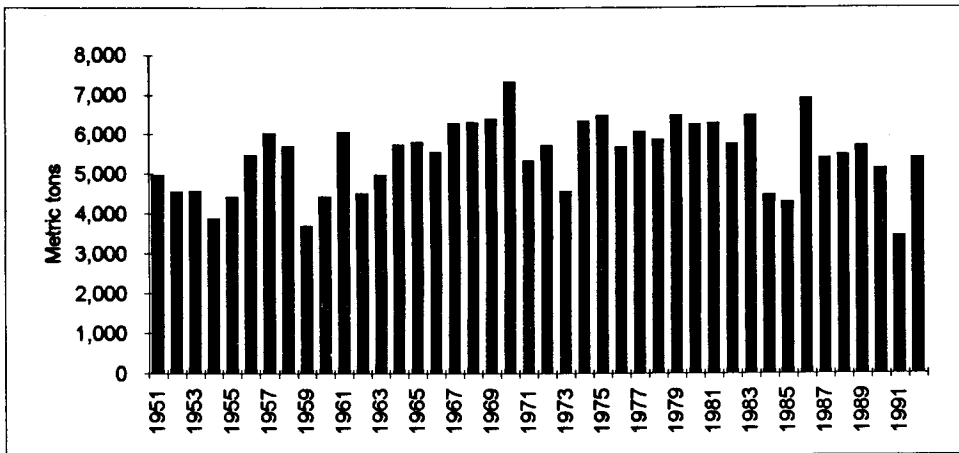


Figure 7.1 Copra production (see table 7.3 for data)

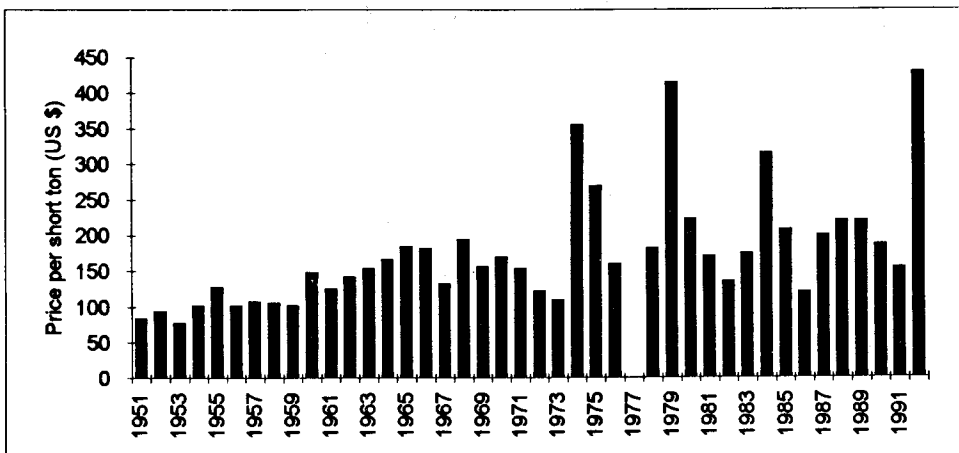


Figure 7.2 Average copra price received by producers (see table 7.6 for data)

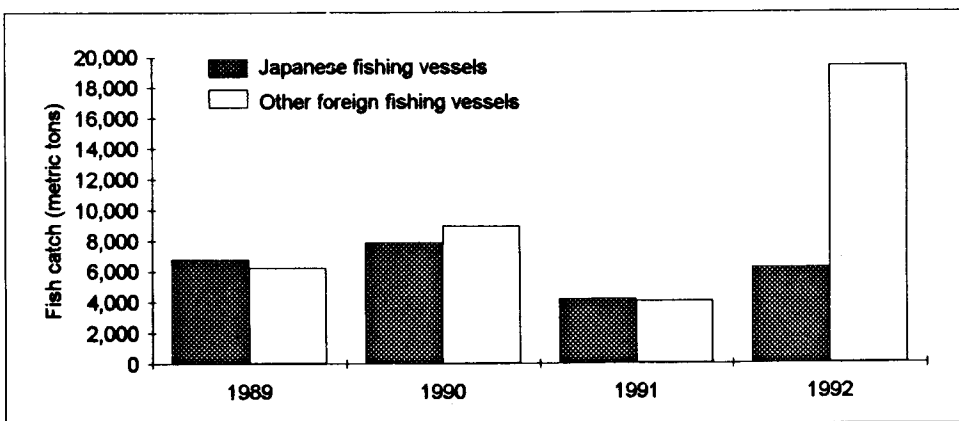


Figure 7.3 Fish catch by foreign fishing vessels (see table 7.7 for data)

## **Agriculture, livestock and fisheries**

This section presents production data on crops, livestock and fisheries. The agriculture in Marshall Islands is primarily a subsistence agriculture except to the extent that copra production has commercial importance. The production figures given here for crop and livestock, except for copra production and prices, were provided by the Agriculture Division of the Ministry of resources and development. Since Marshall Islands has no system of agricultural surveys, they were subjective estimates.

Copra production and prices data were obtained from the Tobolar Processing Plant which is the sole agency for copra processing and export.

Total landing of fish by the subsistence fishermen is not available, however, commercial fish catch by foreign fishing vessels are available from the Marshall Islands Marine Resources Authority (MIMRA) were available and were presented in this section.

Table 7.1 CROP PRODUCTION, 1989 - 1992  
(in short tons and in US dollars in thousands)

Item	1989		1990		1991		1992	
	Tons	US \$ '000	Tons	US \$ '000	Tons	US \$ '000	Tons	US \$ '000
<b>All crops</b>	<b>8,972</b>	<b>-</b>	<b>8,471</b>	<b>-</b>	<b>9,004</b>	<b>-</b>	<b>8,207</b>	<b>-</b>
<b>Tree crops</b>	<b>1,827</b>	<b>4,197</b>	<b>1,850</b>	<b>-</b>	<b>1,990</b>	<b>988</b>	<b>1,453</b>	<b>677</b>
Breadfruit .....	654	-	660	-	710	497	507	334
Pandanus .....	889	-	890	-	920	368	659	269
Banana .....	237	-	250	-	290	87	265	61
Papaya .....	47	-	50	-	70	36	22	13
<b>Vegetables</b>	<b>71</b>	<b>1,565</b>	<b>116</b>	<b>-</b>	<b>150</b>	<b>101</b>	<b>109</b>	<b>81</b>
Cucumber .....	-	-	26	-	30	20	17	15
Cabbage .....	-	-	30	-	40	18	17	7
Pumpkin .....	-	-	35	-	40	28	55	33
Canteloupe .....	-	-	15	-	25	15	11	10
Score .....	-	-	10	-	15	20	9	16
<b>Roots and Tubers</b>	<b>1,362</b>	<b>2,134</b>	<b>1,365</b>	<b>-</b>	<b>1,650</b>	<b>403</b>	<b>1,245</b>	<b>538</b>
Taro .....	1,203	-	1,190	-	1,450	343	1,120	488
Sweet Potato .....	159	-	175	-	200	60	125	50
<b>Copra</b>	<b>5,712</b>	<b>1,257</b>	<b>5,140</b>	<b>961</b>	<b>5,214</b>	<b>766</b>	<b>5,400</b>	<b>2,351</b>

Source: Ministry of Resources and Development.

Table 7.2 YEAR, NUMBER AND VALUE OF LIVESTOCK, 1984 - 1992

Year	Total value \$ (thousands)	Pig		Poultry	
		Number	Value \$ (thousands)	Number	Value \$ (thousands)
1984	2,619.6	17,000	2,550.0	34,805	69.6
1985	2,757.3	17,893	2,684.0	36,635	73.3
1986	2,902.1	18,833	2,825.0	38,565	77.1
1987	3,055.2	19,827	2,974.0	40,595	81.2
1988	3,216.5	20,837	3,131.0	42,730	85.5
1989	3,386.0	21,973	3,296.0	44,980	90.0
1990	5,910.3	22,000	5,775.0	45,100	135.3
1991	5,939.2	22,110	5,803.9	45,119	135.4
1992	1,129.7	14,416	1,039.5	45,076	90.2

Source: Ministry of Resources and Development

Table 7.3 COPRA PRODUCTION BY ATOLLS AND ISLANDS, 1981 -1992  
(short tons)

Atoll/Island	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<b>All atolls/ Islands</b>	<b>5760</b>	<b>5773</b>	<b>6491</b>	<b>4483</b>	<b>3968</b>	<b>3781</b>	<b>5402</b>	<b>5477</b>	<b>5712</b>	<b>5219</b>	<b>4210</b>	<b>5611</b>
Ailinglaplap	782	574	981	427	433	958	679	692	626	852	644	698
Ailuk	169	195	164	162	50	89	201	127	170	47	68	134
Arno	957	903	917	708	753	1096	941	1031	868	1074	808	907
Aur	251	252	320	134	157	252	265	158	198	131	181	210
Ebon	575	454	479	315	371	684	432	453	558	427	401	466
Enewetak	18	-	22	57	33	14	-	-	-	-	-	15
Jabat	92	33	42	19	23	48	29	45	30	4	23	32
Jaluit	1	498	361	169	386	664	352	305	390	378	184	416
Kili	49	8	21	53	3	1	-	-	-	-	-	19
Kwajalein	12	5	8	12	15	13	29	24	8	-	-	15
Lae	91	54	65	44	62	78	58	33	32	31	33	56
Lib	54	55	72	25	21	77	43	51	36	42	41	50
Likiep	186	143	185	237	121	82	74	63	54	47	37	126
Majuro	380	213	291	262	260	209	172	261	160	104	96	267
Maloelap	258	280	319	209	238	287	268	291	306	215	228	265
Mejit	117	189	204	172	60	150	208	166	147	160	182	155
Mili	625	631	671	411	586	746	588	729	728	587	400	610
Namorik	184	295	325	280	257	447	247	253	343	321	215	276
Namu	344	367	322	162	132	482	239	282	302	367	330	323
Rongelap	68	60	47	63	18	-	-	-	-	-	-	30
Ujae	108	57	63	63	43	81	66	45	70	58	50	70
Utirik	88	68	130	102	33	52	81	86	99	33	41	81
Wotho	33	22	27	25	23	32	40	28	43	25	13	27
Wotje	318	417	455	372	223	380	390	358	545	316	235	363

Note: Copra produced in Ujelang Atoll has been added to production in Enewetak Atoll.  
In 1989, 1,187 short tons of copra were imported from Kiribati and processed at Tobolar

Source: Tobolar Processing Plant

Table 7.4 INDEX OF COPRA PRODUCTION BY ATOLLS AND ISLANDS, 1981 - 1992

Atoll/Island	1978	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<b>All atolls/ Islands</b>	<b>100</b>	<b>107</b>	<b>98</b>	<b>110</b>	<b>76</b>	<b>73</b>	<b>118</b>	<b>92</b>	<b>94</b>	<b>97</b>	<b>89</b>	<b>72</b>	<b>96</b>
Ailinglaplap	100	129	95	162	71	72	158	112	114	103	141	106	115
Ailuk	100	123	142	120	118	36	65	147	93	124	34	50	98
Arno	100	108	102	103	80	85	124	106	116	98	121	91	102
Aur	100	113	114	144	60	71	114	119	71	89	59	82	94
Ebon	100	119	93	98	65	76	140	89	93	115	88	82	96
Enewetak	100	120	-	149	380	222	93	-	-	-	-	-	100
Jabat	100	2300	825	1050	475	575	1200	725	1124	750	100	575	800
Jaluit	100	107	101	73	34	78	134	71	62	79	76	37	84
Kili	100	104	18	44	113	6	20	1	-	-	-	-	40
Kwajalein	100	80	34	75	80	100	87	193	157	52	-	-	115
Lae	100	106	63	75	51	72	90	67	38	37	36	38	65
Lib	100	115	115	152	53	44	164	91	107	76	89	87	106
Likiep	100	132	102	131	168	86	58	52	45	38	33	26	89
Majuro	100	103	58	79	71	70	57	47	71	43	28	26	72
Maloelap	100	93	101	116	76	86	104	97	105	111	78	83	96
Mejit	100	69	111	121	102	36	89	123	98	87	95	108	92
Mili	100	100	101	107	66	94	441	348	116	116	94	64	98
Namorik	100	53	85	94	81	75	130	72	73	99	93	62	80
Namu	100	104	111	97	49	40	145	72	85	91	111	99	97
Rongelap	100	145	128	99	134	38	-	-	-	-	-	-	64
Ujae	100	120	63	70	70	47	90	73	49	78	64	56	78
Utirik	100	88	68	130	102	33	52	81	86	99	33	41	81
Wotho	100	220	142	180	173	154	213	287	181	283	167	87	180
Wotje	100	100	132	143	117	70	120	123	113	171	99	74	114

Notes : Jemo has been excluded as its production was nil in 1978 and hence no index figures can be calculated  
The people of Ronglap have moved to Mejjato in Kwajalein Atoll in May 1985

Source: Tobolar Processing Plant

Table 7.5 COPRA PRICES PAID TO OUTER ISLANDS, 1978 - 1992

Period ending	Price per short ton (US\$)	Period ending	Price per short ton (US\$)
1978 February	134	1983 July 27	180
May	159	September 23	220
June	174	1984 February	250
September	190	July 4	290
October	205	February 5	370
November	220	1985 May 21	260
December	270	June 8	200
1979 January	310	September 6	180
February	370	December	120
April	400	1986 December	120
September	470	1987 January 25	160
October	400	September 20	200
November	387	December	220
1980 January	375	1988 December	220
April	340	1989 December	220
May	210	1990 July	200
November	150	September	140
1981 November	170	March	180
1981 January 20	190	October	140
1982 June	150	1991 March	180
September	130	October	140
1983 May	100	December	220
July 15	140	1992 December	500

Note: The prices in Majuro for 1988 to 1992 were \$30 higher.

Source: Tobolar Processing Plant

Table 7.6 COPRA PRODUCTION, AVERAGE PRODUCER PRICE AND TOTAL PRODUCER INCOME: 1951- 1992

Year	Copra production (short tons)	Average producer price per ton (\$)	Total producer income (\$'000)
1951	4,980	84	418
1952	4,565	94	429
1953	4,580	78	357
1954	3,896	102	397
1955	4,434	128	568
1956	5,480	102	559
1957	6,034	108	652
1958	5,701	106	604
1959	3,700	102	377
1960	4,436	148	657
1961	6,060	126	764
1962	4,521	142	642
1963	4,975	154	766
1964	5,742	166	953
1965	5,807	184	1,068
1966	5,554	182	1,011
1967	6,272	132	828
1968	6,311	194	1,224
1969	6,401	156	999
1970	7,348	170	1,249
1971	5,344	154	823
1972	5,715	122	697
1973	4,574	110	503
1974	6,336	356	2,256
1975	6,482	270	1,750
1976	5,685	160	910
1977	6,075	-	-
1978	5,876	182	1,069
1979	6,488	416	2,699
1980	6,257	223	1,395
1981	6,288	171	1,075
1982	5,774	136	785
1983	6,490	174	1,129
1984	4,483	316	1,417
1985	4,301	208	895
1986	6,921	120	831
1987	5,401	200	1,080
1988	5,477	220	1,205
1989	5,712	220	1,257
1990	5,140	187	961
1991	3,450	155	535
1992	5,400	430	2,424

Source: Tobolar Processing Plant

Table 7.7 TOTAL FISH CATCH BY JAPANESE AND OTHER FOREIGN FISHING VESSELS BY FISHING TECHNIQUE AND TYPE OF FISH, 1989-92  
(metric tons)

Vessel & fishing technique	Total	Albacore	Bigeye	Yellowfin	Bill Fish	Skopack	Striped Marlin	Blue Marlin	Black Marlin	Swordfish	Sailfish	Shark	Other
<b>1989, Total</b>	<b>12,992.9</b>	<b>36.2</b>	<b>1,983.8</b>	<b>2,840.1</b>	<b>185.1</b>	<b>7,679.4</b>	-	<b>182.7</b>	-	-	-	-	<b>85.6</b>
(a) Japanese fishing vessels	6,761.7	23.2	889.2	1,483.4	-	4,136.0	-	182.7	-	-	-	-	47.2
Longline	2,625.7	23.2	889.2	1,483.4	-	-	-	182.7	-	-	-	-	47.2
Pole & line	4,136.0	-	-	-	-	4,136.0	-	-	-	-	-	-	-
(b) Other foreign fishing vessels	6,231.2	13.0	1,094.6	1,356.7	185.1	3,543.4	-	-	-	-	-	-	38.4
<b>1990, Total</b>	<b>16,820.9</b>	<b>28.9</b>	<b>4,150.4</b>	<b>4,427.7</b>	-	<b>7,694.5</b>	<b>4.7</b>	<b>371.2</b>	<b>5.0</b>	<b>18.4</b>	-	<b>28.3</b>	<b>91.9</b>
(a) Japanese fishing vessels	7,879.6	15.1	2,288.9	1,437.4	-	3,843.0	-	201.9	-	-	-	28.3	65.0
Longline	4,036.6	15.1	2,288.9	1,437.4	-	-	-	201.9	-	-	-	28.3	65.0
Pole & line	3,843.0	-	-	-	-	3,843.0	-	-	-	-	-	-	-
(b) Other foreign fishing vessels	8,941.3	13.8	1,861.5	2,990.3	-	3,851.5	4.7	169.3	5.0	18.4	-	-	26.9
<b>1991, Total</b>	<b>8,247.5</b>	<b>60.5</b>	<b>3,480.3</b>	<b>2,760.3</b>	-	<b>1,476.4</b>	<b>4.2</b>	<b>365.9</b>	<b>15.0</b>	<b>26.2</b>	-	<b>4.1</b>	<b>54.6</b>
(a) Japanese fishing vessels	4,183.3	30.8	1,809.2	1,389.6	-	722.0	-	187.2	-	-	-	4.1	40.4
Longline	3,461.3	30.8	1,809.2	1,389.6	-	-	-	187.2	-	-	-	4.1	40.4
Pole & line	722.0	-	-	-	-	722.0	-	-	-	-	-	-	-
(b) Other foreign fishing vessels	4,064.2	29.7	1,671.1	1,370.7	-	754.4	4.2	178.7	15.0	26.2	-	-	14.2
<b>1992, Total</b>	<b>26,561.9</b>	<b>14.0</b>	<b>3,305.7</b>	<b>6,326.0</b>	-	<b>16,878.8</b>	<b>14.4</b>	<b>236.2</b>	<b>13.4</b>	<b>38.1</b>	-	-	<b>36.3</b>
(a) Japanese fishing vessels	6,179.0	0.0	2,120.0	1,799.0	-	2,064.0	5.0	132.0	5.0	24.0	-	-	30.0
Longline	4,065.0	-	2,120.0	1,763.0	-	-	5.0	132.0	5.0	24.0	-	-	16.0
Pole & line	2,114.0	-	-	36.0	-	2,064.0	-	-	-	-	-	-	14.0
(b) Other foreign fishing vessels	19,382.9	14.0	1,185.7	3,527.0	-	14,514.8	9.4	103.2	8.4	14.1	-	-	6.3

Note: During the year 1992, more foreign fishing vessels were fishing within Marshall Islands EEZ.

Source: Marshall Islands Marine Resource Authority (MIMRA)

## **8 Overseas trade**

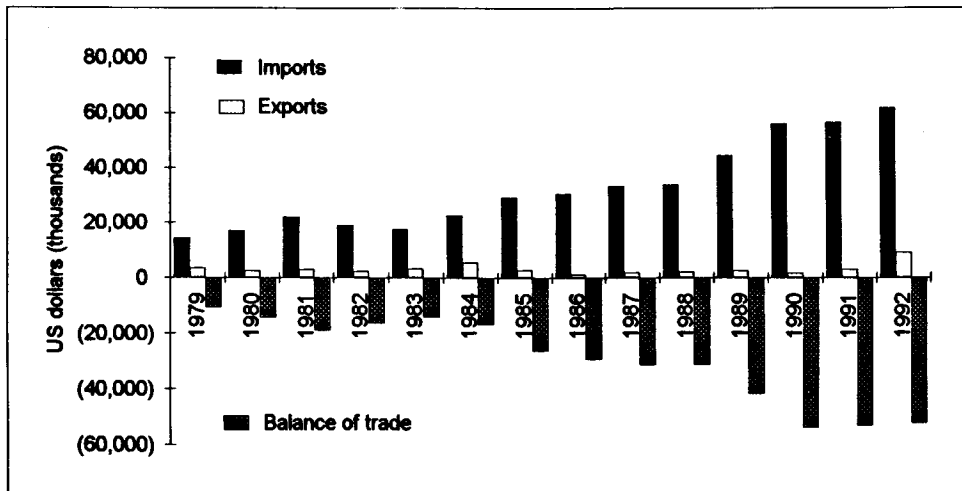


Figure 8.1 Imports, exports and balance of trade (see table 8.1 for data)

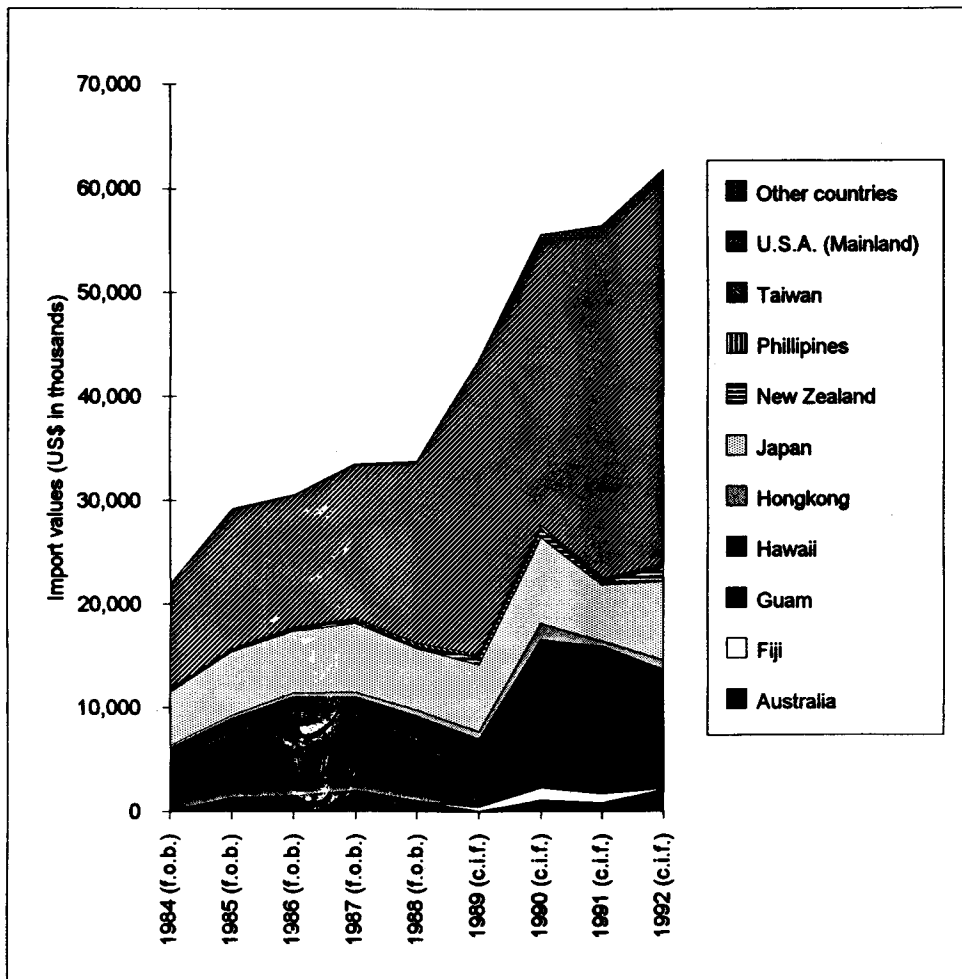


Figure 8.2 Imports by major trading partners (see table 8.3 for data)

## Overseas trade

This section presents data on imports and exports. Imports data were provided by commodity classification and by trading partners.

Marshall Islands adopted the Harmonized System (HS) of classification for goods imported and exported, from the beginning of fiscal year 1990 (October 1, 1990). The Standard International Trade Classification (SITC) was used previously, but in this edition no data has been presented on the basis of this system.

Data on imports and exports were obtained from the administrative records of the Customs and Revenue Division of the Ministry of Finance. Starting with imports data from last quarter of 1989, Office of Planning and Statistics has been entering and processing imports data by PC/TRADE software developed by Statistics New Zealand. Imports classified by two-digit HS codes has been available since then. However, the Harmonized System of commodity classification as used in Marshall Islands is a non-standard system and because of that no proper classification of imports by SITC or Broad Economic Categories (BEC) could be made using the PC/TRADE software.

**Limitations of imports data.** Until recently, the customs data did not cover tax-exempted goods. Government was not paying any import duties and so the quantity and amount of government imports did not appear in the customs data. With a commodity taxed on the basis of quantity values were not recorded, and with a duty based on values quantity were sometimes missing. However, steps were taken consciously to minimize these errors from 1990 data and onwards.

The value of total imports up until and including 1988 were given on f.o.b. basis. Starting from 1989, imports values were given on c.i.f. basis.

Table 8.1 COMMODITY IMPORTS AND EXPORTS AND BALANCE OF TRADE, 1979-1992  
(US\$ in thousands)

Year	Imports	Exports	Balance
1979	14,238	3,397	(10,841)
1980	17,155	2,577	(14,578)
1981	22,208	2,968	(19,240)
1982	18,777	2,225	(16,552)
1983	17,503	3,201	(14,360)
1984	22,608	5,522	(17,086)
1985	29,176	2,691	(26,485)
1986	30,571	1,159	(29,412)
1987	33,541	1,918	(31,623)
1988	33,764	2,108	(31,656)
1989	44,389	2,489	(41,900)
1990	55,951	1,719	(54,232)
1991	56,442	2,890	(53,552)
1992	61,839	9,201	(52,638)

Note: Import values are on f.o.b. basis up to 1988.

Imports exclude government imports and tax exempted goods for the years 1979 to 1988.

Source: Ministry of Finance; Office of Planning and Statistics

Table 8.2 EXPORTS BY COMMODITY 1979 - 1992  
(f.o.b values in thousand dollars)

Year	Total exports	Copra cake	Crude coconut oil	Handicrafts	Live animals	Trochus Shells	Scrap metal	Chilled fish	Shark fins	Others
1979	3,397	84	2,993	258	62	-	-	-	-	-
1980	2,577	462	1,832	233	50	-	-	-	-	-
1981	2,968	341	2,253	301	73	-	-	-	-	-
1982	2,225	304	1,766	95	60	-	-	-	-	-
1983	3,201	320	2,794	29	58	-	-	-	-	-
1984	5,522	241	5,202	30	49	-	-	-	-	-
1985	2,682	195	2,417	33	37	-	-	-	-	-
1986	1,159	128	974	26	31	-	-	-	-	-
1987	1,918	38	1,654	31	8	179	8	-	-	-
1988	2,108	6	1,743	1	8	350	-	1	-	-
1989	2,489	99	1,679	N.A.	N.A.	467	-	-	8	-
1990	1,719	94	1,148	2	268	179	1	1,069	-	31
1991	2,890	18	1,396	4	517	176	-	779	-	-
1992	9,201	109	1,137	4	483	176	-	1,548	-	5,744

Source: Ministry of Finance.

Table 8.3 IMPORTS BY TRADING PARTNERS, 1986-1992  
(c.i.f. & f.o.b. values in thousand dollars)

Year	All countries		Australia		Fiji		Guam		Hawaii		Hongkong		Japan		New Zealand		Philippines		Taiwan		U.S.A. (Mainland)		Other countries	
	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%
1984 (f.o.b.)	21,987	100.0	66	0.3	-	-	5,155	23.4	900	4.1	259	1.2	5,068	23.2	85	0.4	23	0.1	200	0.9	10,211	46.4	-	-
1985 (f.o.b.)	29,178	100.0	1,370	4.7	-	-	6,337	21.7	1,253	4.3	311	1.1	6,097	20.9	183	0.6	41	0.1	108	0.4	13,352	45.8	144	0.5
1986 (f.o.b.)	30,571	100.0	1,579	5.2	-	-	6,098	20.0	1,366	4.5	382	1.2	5,945	19.4	204	0.7	23	0.1	180	0.6	12,664	41.5	90	0.3
1987 (f.o.b.)	33,541	100.0	2,080	6.2	-	-	7,379	22.0	1,610	4.8	438	1.3	6,641	19.8	268	0.8	34	0.1	201	0.6	14,724	43.9	168	0.5
1988 (f.o.b.)	33,784	100.0	1,052	3.1	-	-	6,065	18.0	2,107	6.2	522	1.5	5,929	17.8	31	0.1	168	0.5	388	1.1	17,330	51.3	172	0.5
1988 (c.i.f.)	43,564	100.0	a/	-	452	1.0	2,588	5.9	3,632	8.0	700	1.6	6,488	14.9	738	1.7	40	0.1	196	0.4	28,332	65.0	100	0.2
1989 (c.i.f.)	55,561	100.0	1,148	2.1	1,133	2.0	4,939	8.9	9,360	16.8	1,573	2.8	8,335	15.0	761	1.4	115	0.2	261	0.5	27,314	49.1	652	1.2
1991 (c.i.f.)	56,442	100.0	895	1.6	821	1.5	9,216	16.3	5,024	8.9	482	0.9	5,446	9.6	247	0.4	241	0.4	98	0.2	33,008	58.5	964	1.7
1992 (c.i.f.)	61,839	100.0	2,106	3.4	115	0.2	11,508	18.6	a/	-	836	1.4	7,662	12.4	1,328	2.1	154	0.2	233	0.4	37,657	60.9	262	0.4

Note: a/ included under other countries

Data given for 1989 were estimated using data for the last quarter of that year

Source: Ministry of Finance, Office of Planning and Statistics

Table 8.4 IMPORTS CLASSIFIED BY TWO-DIGIT HARMONIZED SYSTEM CODES: 1989-92  
(CIF values in US dollars)

HS code	HS description	1989	1990	1991	1992
		in \$	in \$	in \$	in \$
<b>Total</b>		<b>44,388,960</b>	<b>55,591,270</b>	<b>56,441,508</b>	<b>61,839,472</b>
01	ANIMALS, LIVE	0	22,511	0	0
02	MEAT AND EDIBLE MEAT OFFAL	2,895,468	2,555,669	2,367,902	2,356,806
03	FISH AND CRUSTACEANS, MOLLUSCS AND OTHER AQUATIC INVERTEBRATES	442,082	30,063	7,285	18,575
04	DAIRY PRODUCE; BIRDS' EGGS; NATURAL HONEY; EDIBLE PRODUCTS OF ANIMAL ORIGIN, NOT ELSEWHERE SPECIFIED OR INCLUDED	476,684	774,827	735,483	561,339
05	ANIMAL ORIGINATED PRODUCTS; NOT ELSEWHERE SPECIFIED OR INCLUDED	6,520	79	0	79
06	TREES AND OTHER PLANTS, LIVE; BULBS, ROOTS AND THE LIKE; CUT FLOWERS AND ORNAMENTAL FOLIAGE	0	2,396	5,973	3,961
07	VEGETABLES AND CERTAIN ROOTS AND TUBERS; EDIBLE	816,348	401,659	204,196	187,441
08	FRUIT AND NUTS; EDIBLE; PEEL OF CITRUS FRUIT OR MELONS	229,284	259,711	104,508	75,887
09	COFFEE, TEA, MATE AND SPICES	317,232	447,129	191,750	180,658
10	CEREALS	1,604,464	1,320,352	1,330,705	1,293,866
11	PRODUCTS OF THE MILLING INDUSTRY; MALT; STARCHES; INULIN; WHEAT GLUTEN	314,832	503,735	577,196	762,745
12	OIL SEEDS AND OLEAGINOUS FRUITS; MISCELLANEOUS GRAINS, SEEDS AND FRUIT, INDUSTRIAL OR MEDICINAL PLANTS; STRAW AND FODDER	123,608	733	0	3,979
13	LAC; GUMS, RESINS AND OTHER VEGETABLE SAPS AND EXTRACTS	206,596	16,692	0	1,549
15	ANIMAL OR VEGETABLE FATS AND OILS AND THEIR CLEAVAGE PRODUCTS; PREPARED ANIMAL FATS; ANIMAL OR VEGETABLE WAXES	20,000	1,266	656	100,667
16	MEAT, FISH OR CRUSTACEANS, MOLLUSCS OR OTHER AQUATIC INVERTEBRATES; PREPARATIONS THEREOF	161,436	202,108	107,768	0
		1,157,088	1,782,700	1,688,368	1,428,741
17	SUGARS AND SUGAR CONFECTIONERY	913,348	1,174,885	1,005,095	851,759
18	COCOA AND COCOA PREPARATIONS	25,432	39,969	103,849	22,598
19	PREPARATIONS OF CEREALS, FLOUR, STARCH OR MILK; PASTRYCOOKS' PRODUCTS	1,533,256	1,760,212	2,808,849	2,530,790
20	PREPARATIONS OF VEGETABLES, FRUIT, NUTS OR OTHER PARTS OF PLANTS	1,403,584	796,540	398,191	503,855
21	MISCELLANEOUS EDIBLE PREPARATIONS	2,772,712	2,773,295	4,360,252	4,261,704
22	BEVERAGES, SPIRITS AND VINEGAR	1,606,982	2,139,725	2,356,083	2,187,495
23	RESIDUES AND WASTE FROM THE FOOD INDUSTRIES; PREPARED ANIMAL FODDER	2,324	45,338	81,809	85,107
24	TOBACCO AND MANUFACTURED TOBACCO SUBSTITUTES	1,206,588	796,264	1,041,283	1,158,156
25	SALT; SULPHUR; EARTHS, STONE; PLASTERING MATERIALS, LIME AND CEMENT	720,052	552,270	546,213	595,764
26	ORES, SLAG AND ASH	0	3,789	0	0
27	MINERAL FUELS, MINERAL OILS AND PRODUCTS OF THEIR DISTILLATION; BITUMINOUS SUBSTANCES; MINERAL WAXES	454,632	2,411,741	5,783,190	8,524,113
28	INORGANIC CHEMICALS; ORGANIC AND INORGANIC COMPOUNDS OF PRECIOUS METALS; OF RARE EARTH METALS, OF RADIO-ACTIVE ELEMENTS AND OF ISOTOPES	61,236	35,203	1,040	33,153
29	ORGANIC CHEMICALS	60,248	66,349	14,088	1,808
30	PHARMACEUTICAL PRODUCTS	90,412	224,304	258,370	380,753
31	FERTILIZERS	30,228	7,812	0	704
32	TANNING OR DYEING EXTRACTS; TANNINS AND THEIR DERIVATIVES; DYES, PIGMENTS AND OTHER COLOURING MATTER; PAINTS, VARNISHES; PUTTY, OTHER MASTICS; INKS	134,208	356,400	132,038	306,741
33	ESSENTIAL OILS AND RESINOIDS; PERFUMERY, COSMETIC OR TOILET PREPARATIONS	535,808	248,191	181,165	205,460

Table 8.4 IMPORTS CLASSIFIED BY TWO-DIGIT HARMONIZED SYSTEM CODES: 1989-92 (continued)  
(CIF values in US dollars)

HS code	HS description	1989 #/	1990	1991	1992
34	SOAP, ORGANIC SURFACE-ACTIVE AGENTS; WASHING, LUBRICATING, POLISHING, SCOURING PREPARATIONS; ARTIFICIAL, PREPARED WAXES; CANDLES ETC., MODELLING PASTES, DENTAL WAXES; PREPARATIONS WITH A BASIS OF PLASTER	34	468,260	530,828	682,272
35	ALBUMINOIDAL SUBSTANCES; MODIFIED STARCHES; GLUES; ENZYMES	35	12,484	15,969	11,086
36	EXPLOSIVES; PYROTECHNIC PRODUCTS; MATCHES; PYROPHORIC ALLOYS; CERTAIN COMBUSTIBLE PREPARATIONS	36	3,508	27,002	50,820
37	PHOTOGRAPHIC OR CINEMATOGRAPHIC GOODS	37	14,440	44,430	43,505
38	CHEMICAL PRODUCTS N.E.S.	38	178,912	335,905	221,883
39	PLASTICS AND ARTICLES THEREOF	39	590,916	546,720	797,422
40	RUBBER AND ARTICLES THEREOF	40	108,292	216,026	184,223
41	RAW HIDE AND SKINS (OTHER THAN FURSKINS) AND LEATHER	41	0	877	0
42	ARTICLES OF LEATHER; SADDLERY AND HARNESS; TRAVEL GOODS, HANDBAGS AND SIMILAR CONTAINERS; ARTICLES OF ANIMAL GUT (OTHER THAN SILK-WORM GUT)	42	189,980	38,414	89,888
43	FURSKINS AND ARTIFICIAL FUR; MANUFACTURES THEREOF	43	19,328	48,694	1,047
44	WOOD AND ARTICLES OF WOOD; WOOD CHARCOAL	44	2,865,284	1,642,190	1,227,615
45	CORK AND ARTICLES OF CORK	45	7,712	77	0
46	MANUFACTURES OF STRAW, ESPARTO OR OTHER PLAITING MATERIALS; BASKETWARE AND WICKERWORK	46	0	14,081	12,263
47	PULP OF WOOD OR OF OTHER FIBROUS CELLULOSIC MATERIAL; WASTE SCRAP OF PAPER OR PAPERBOARD; PAPER AND PAPERBOARD ARTICLES THEREOF	47	0	0	0
48	PAPER AND PAPERBOARD; ARTICLES OF PAPER PULP, OF PAPER OR PAPERBOARD	48	872,256	865,299	680,488
49	PRINTED BOOKS, NEWSPAPERS, PICTURES AND OTHER PRODUCTS OF THE PRINTING INDUSTRY; MANUSCRIPTS, TYPESCRIPTS AND PLANS	49	119,064	238,310	254,898
50	SILK	50	59,416	13,231	1,083
51	WOOL, FINE OR COARSE ANIMAL HAIR; HORSEHAIR YARN AND WOVEN FABRIC	51	0	681	250
52	COTTON	52	46,212	9,871	15,451
53	VEGETABLE TEXTILE FIBRES; PAPER YARN AND WOVEN FABRICS OF PAPER YARN	53	27,628	3,918	789
54	MAN-MADE FILAMENTS	54	3,036	1,980	1,915
55	MAN-MADE STAPLE FIBRES	55	0	2,176	1,373
56	WADDING, FELT AND NONWOVENS, SPECIAL YARNS; TWINE, CORDAGE, ROPES AND CABLES AND ARTICLES THEREOF	56	184,404	19,960	13,140
57	CARPETS AND OTHER TEXTILE FLOOR COVERINGS	57	18,000	24,317	13,103
58	FABRICS; SPECIAL WOVEN FABRICS, TUFTED TEXTILE FABRICS, LACE, TAPESTRIES, TRIMMINGS, EMBROIDERY	58	20,024	65,541	6,795
59	TEXTILE FABRICS; IMPREGNATED, COATED, COVERED OR LAMINATED; TEXTILE ARTICLES OF A KIND SUITABLE FOR INDUSTRIAL USE	59	15,600	84,903	21,117
60	FABRICS; KNITTED OR CROCHETED	60	0	5,760	0
61	APPAREL AND CLOTHING ACCESSORIES; KNITTED OR CROCHETED	61	10,872	9,233	26,705
62	APPAREL AND CLOTHING ACCESSORIES; NOT KNITTED OR CROCHETED	62	426,296	15,054	68,382
63	TEXTILES, MADE UP ARTICLES; SETS; WORN CLOTHING AND WORN TEXTILE ARTICLES; RAGS	63	2,108,340	2,978,412	3,447,360
64	FOOTWEAR; GAITERS AND THE LIKE; PARTS OF SUCH ARTICLES	64	454,396	587,194	797,762
65	HEADGEAR AND PARTS THEREOF	65	6,488	5,381	9,401

Table 8.4 IMPORTS CLASSIFIED BY TWO-DIGIT HARMONIZED SYSTEM CODES: 1989-92 (concluded)  
(CIF values in US dollars)

HS code	HS description	1989 a/	1990	1991	1992
66	UMBRELLAS; SUN UMBRELLAS, WALKING-STICKS, SEAT STICKS, WHIPS, RIDING CROPS, AND PARTS THEREOF	720	2,901	14,452	6,074
67	FEATHERS AND DOWN, PREPARED; AND ARTICLES MADE OF FEATHER OR OF DOWN; ARTIFICIAL FLOWERS; ARTICLES OF HUMAN HAIR	9,308	2,682	6,770	6,692
68	STONE, PLASTER, CEMENT, ASBESTOS, MICA OR SIMILAR MATERIALS; ARTICLES THEREOF	81,192	72,936	5,998	67,876
69	CERAMIC PRODUCTS	239,080	233,565	124,052	142,379
70	GLASS AND GLASSWARE	180,388	135,358	104,225	199,952
71	NATURAL OR CULTURED PEARLS, PRECIOUS, SEMI-PRECIOUS STONES, PRECIOUS METALS, METALS CLAD WITH PRECIOUS METAL, ARTICLES THEREOF; IMITATION JEWELLERY; COIN	8,124	13,143	43,793	10,149
72	IRON AND STEEL	325,904	64,206	81,961	13,487
73	IRON OR STEEL ARTICLES	694,232	814,915	1,291,168	1,403,416
74	COPPER AND ARTICLES THEREOF	129,612	5,528,355	155,139	47,686
76	ALUMINIUM AND ARTICLES THEREOF	792,740	118,326	332,220	455,661
78	LEAD AND ARTICLES THEREOF	0	0	53	0
79	ZINC AND ARTICLES THEREOF	1,420	5,838	0	3,072
80	TIN; ARTICLES THEREOF	63,544	65,583	9,226	7,775
81	METAL; N.E.S. CERMET AND ARTICLES THEREOF	32	11,391	0	0
82	TOOLS, IMPLEMENTS, CUTLERY, SPOONS AND FORKS, OF BASE METAL; PARTS THEREOF, OF BASE METAL	253,848	363,563	248,603	481,978
83	METAL; MISCELLANEOUS PRODUCTS OF BASE METAL	113,852	96,457	161,866	369,543
84	NUCLEAR REACTORS, BOILERS, MACHINERY AND MECHANICAL APPLIANCES; PARTS THEREOF	2,382,428	3,575,614	2,798,411	2,925,680
85	ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, ELECTRICAL IMAGE AND SOUND RECORDERS AND REPRODUCERS PARTS AND ACCESSORIES OF SUCH ARTICLES	1,506,604	2,194,751	2,656,264	2,409,827
87	VEHICLES; OTHER THAN RAILWAY OR TRAMWAY ROLLING STOCK, AND PARTS AND ACCESSORIES THEREOF	5,371,928	4,474,442	3,278,066	4,044,431
88	AIRCRAFT, SPACECRAFT AND PARTS THEREOF	63,888	711,248	438,746	150,115
89	SHIPS, BOATS AND FLOATING STRUCTURES	67,240	156,347	182,331	1,622,838
90	OPTICAL, PHOTOGRAPHIC, CINEMATOGRAPHIC, MEASURING, CHECKING, MEDICAL OR SURGICAL INSTRUMENTS AND APPARATUS; PARTS AND ACCESSORIES	43,388	258,067	95,081	71,887
91	CLOCKS AND WATCHES AND PARTS THEREOF	114,180	81,102	147,870	95,082
92	MUSICAL INSTRUMENTS; PARTS AND ACCESSORIES OF SUCH ARTICLES	368	12,191	26,058	15,130
93	ARMS AND AMMUNITION; PARTS AND ACCESSORIES THEREOF	0	0	200	3,236
94	FURNITURE; BEDDING, MATTRESSES, MATTRESS SUPPORTS, CUSHIONS ETC. STUFFED FURNISHINGS; LAMPS AND LIGHTING FITTINGS N.E.S.; ILLUMINATED SIGNS, ILLUMINATED NAMEPLATES AND THE LIKE; PREFABRICATED BUILDINGS	455,668	1,376,295	442,651	394,078
95	TOYS, GAMES AND SPORTS REQUISITES; PARTS AND ACCESSORIES THEREOF	475,660	261,163	3,108,521	251,286
96	MISCELLANEOUS MANUFACTURED ARTICLES	306,124	157,201	201,572	145,198
97	WORKS OF ART; COLLECTORS' PIECES AND ANTIQUES	1,553,408	4,543,332	5,249,258	9,156,416

a/ Estimated from figures of last quarter of 1988.

Source: Ministry of Finance; Mobil Oil Micronesia

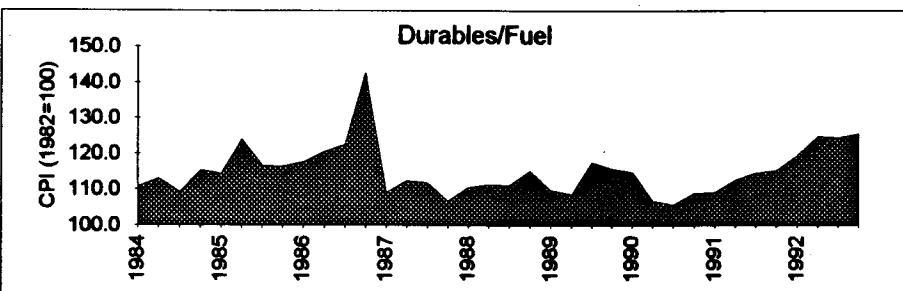
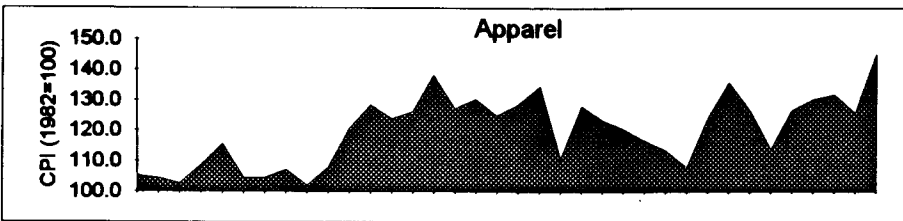
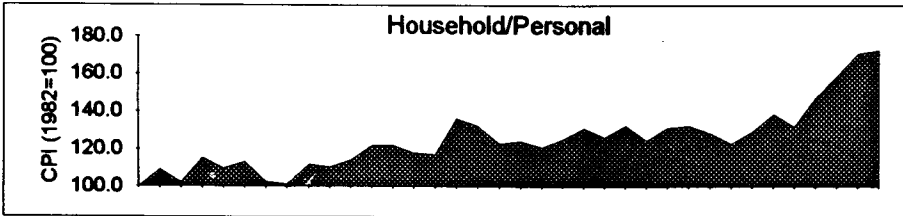
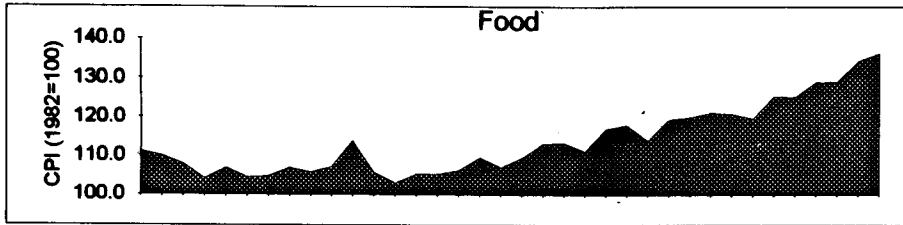
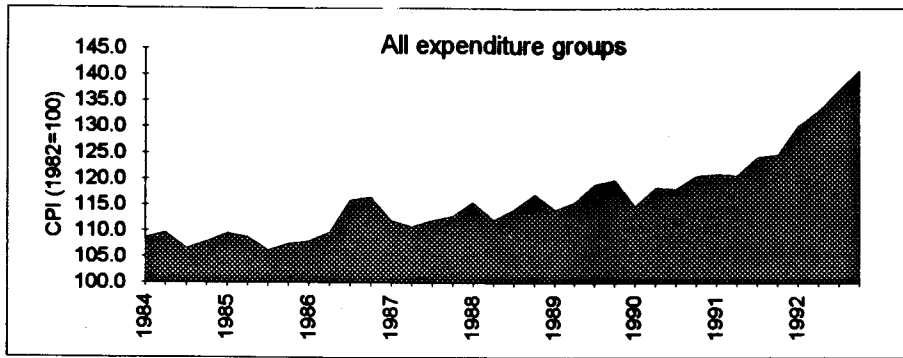


Figure 9.1 Consumer Price Index (see table 9.1 for data)

## Prices

The current series of quarterly consumer price index of the Marshall Islands starts from 1983. The weights for calculating the index before 1982 were established in 1977 by Office of Planning and Statistics of the Trust Territory of the Pacific in Saipan. The weights were based on analysis of imports of consumer goods together with the information on production of local goods and services which was obtained through a national income inquiry in 1977.

New weights were adopted in 1982. They appeared to have been based on the results of a small study of household expenditure, but the method has not been documented.

**Consumer Price Index (CPI).** The Consumer Price Index is meant to measure changes in the general level of the prices of goods and services which households purchase. The current CPI is based on prices of goods and services classified in four expenditure groups in Majuro only: (i) Food, (ii) Household/Personal, (iii) Apparel, and (iv) Durables/Furniture. The prices for quarterly CPI are collected from two supermarkets and two stores in Majuro. Data collection is done on the Monday nearest to 15th of the month, in February, May, August and November.

Table 9.1 QUARTERLY CONSUMER PRICE INDEX, MAJURO, 1984 - 1992(1982 = 100)

Year/Quarter	All Groups	Food	Household/ Personal	Apparel	Durables/ Fuel
	B A S E W E I G H T				
	100.0	57.71	14.76	11.95	15.58
1984 First quarter	108.7	111.1	99.7	105.2	110.8
Second quarter	109.6	110.0	109.1	104.5	112.9
Third quarter	106.6	107.8	102.2	102.8	109.4
Fourth quarter	108.0	104.0	114.9	108.9	115.3
1985 First quarter	109.5	106.8	109.8	115.5	114.4
Second quarter	108.8	104.3	113.0	104.6	123.9
Third quarter	106.2	104.6	102.6	104.7	116.6
Fourth quarter	107.4	106.7	101.2	107.0	116.3
1986 First quarter	108.0	105.7	111.7	102.1	117.7
Second quarter	109.7	107.0	110.2	108.0	120.4
Third quarter	115.9	113.6	113.9	120.8	122.4
Fourth quarter	116.5	105.6	122.0	128.2	142.7
1987 First quarter	111.9	102.8	121.9	123.9	109.1
Second quarter	110.7	105.2	117.9	126.1	112.4
Third quarter	111.9	105.2	117.1	138.2	111.9
Fourth quarter	112.9	106.1	136.1	127.1	106.9
1988 First quarter	115.5	109.4	132.5	130.2	110.7
Second quarter	112.1	107.0	122.7	124.9	111.2
Third quarter	114.1	109.5	124.1	128.6	111.1
Fourth quarter	117.1	113.1	120.8	134.3	115.1
1989 First quarter	114.1	113.1	125.4	110.6	109.8
Second quarter	115.6	111.0	130.9	127.8	108.7
Third quarter	119.0	116.8	126.2	123.3	117.4
Fourth quarter	119.9	117.8	132.3	120.3	115.7
1990 First quarter	114.8	113.9	124.6	116.6	114.8
Second quarter	118.4	119.2	131.5	113.4	106.9
Third quarter	118.1	119.9	132.5	107.9	105.8
Fourth quarter	120.6	121.0	128.5	124.1	109.0
1991 First quarter	121.0	120.7	122.9	135.5	109.2
Second quarter	120.7	119.5	129.2	126.7	112.5
Third quarter	124.2	125.3	138.4	113.8	114.5
Fourth quarter	124.7	125.0	132.0	126.5	115.3
1992 First quarter	130.2	128.8	147.4	130.1	119.4
Second quarter	133.1	129.0	158.9	131.7	124.8
Third quarter	137.1	134.3	170.7	125.7	124.4
Fourth quarter	140.9	136.2	172.5	144.8	125.5

Source: Office of Planning and Statistics

## **10 Visitor statistics**

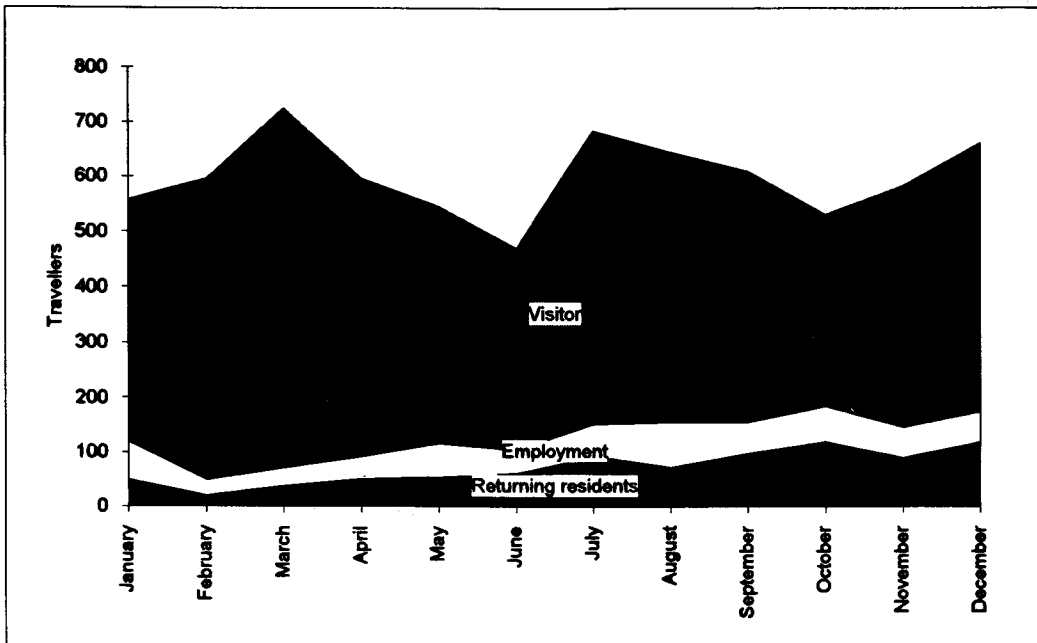


Figure 10.1 Travellers to Majuro, 1992 (see table 10.1 for data)

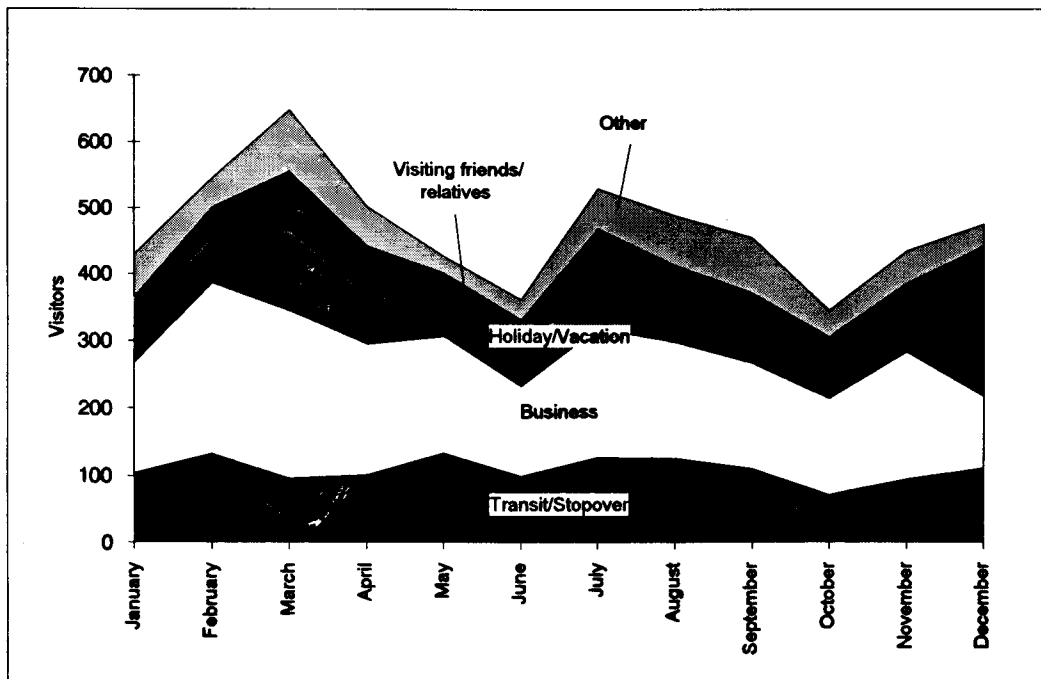


Figure 10.2 Visitors to Majuro, 1992 (see table 10.2 for data)

## **Visitor statistics**

This section presents data on travellers and visitors to Majuro, Capital of the Marshall Islands during 1992. The collection of data on travellers to the Marshall Islands was facilitated by the implementation of Arrival Cards system by Immigration Division of the Ministry of Foreign Affairs in 1989. Data entry and analysis of these data were carried out by the Office of Planning and Statistics. In addition to reporting annual and historical data on travellers and visitors to Majuro in the Statistical Abstract, quarterly reports on visitors to Majuro are made available through the Quarterly Review of Tourism published by the Tourism Council of the South Pacific, Suva, Fiji.

**Visitor.** A person visiting a country other than in which he/she has his/her usual place of residence for any reason other than following an occupation remunerated from within the country visited.

**Tourist.** Visitor staying in the country visited for at least one night and not more than one year. However, the term 'visitor' is sometimes used interchangeably with the same meaning.

Table 10.1 TRAVELLERS ARRIVAL TO MAJURO BY MONTH AND PURPOSE OF TRAVEL: 1992

Month	Total		Returning residents		Employment		Visitor		Not stated number
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
All	7212	100	868	100	650	100	5684	100	10
January	558	7.7	50	5.8	69	10.6	439	7.7	
February	596	8.3	21	2.4	28	4.3	547	9.6	
March	725	10.1	38	4.4	33	5.1	654	11.5	
April	596	8.3	51	5.9	41	6.3	504	8.9	
May	545	7.6	54	6.2	62	9.5	429	7.5	
June	470	6.5	61	7.0	43	6.6	366	6.4	
July	686	9.5	94	10.8	58	8.9	532	9.4	2
August	645	8.9	73	8.4	82	12.6	490	8.6	
September	610	8.5	98	11.3	57	8.8	455	8.0	
October	530	7.3	119	13.7	65	10.0	346	6.1	
November	582	8.1	90	10.4	56	8.6	436	7.7	
December	669	9.3	119	13.7	56	8.6	486	8.6	8

Source: Office of Planning and Statistics, RMI

Table 10.2 VISITORS TO MAJURO BY MONTH AND MAIN PURPOSE OF VISIT: 1992

Month	Total		Transit/stopover		Business		Holiday/vacation		Visiting friends/relatives		Other		Not stated Number
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
All	5684	100	1514	100	2120	100	828	100	728	100	854	100	40
January	439	7.7	105	8.0	162	7.6	70	8.5	29	4.0	64	9.8	9
February	547	9.6	133	10.1	254	12.0	69	8.3	45	6.2	45	6.9	1
March	654	11.5	97	7.4	248	11.7	122	14.7	89	12.2	83	14.2	5
April	504	8.9	102	7.8	193	9.1	74	8.9	74	10.2	59	9.0	2
May	429	7.5	134	10.2	172	8.1	48	5.8	48	6.6	25	3.8	2
June	366	6.4	100	7.8	133	6.3	60	7.2	39	5.4	30	4.6	4
July	532	9.4	128	9.7	181	9.0	64	7.7	86	11.8	60	9.2	3
August	490	8.6	126	9.6	172	8.1	48	5.8	68	9.3	74	11.3	2
September	455	8.0	111	8.4	156	7.4	59	7.1	46	6.3	83	12.7	
October	346	6.1	72	5.5	143	6.7	60	7.2	31	4.3	40	6.1	
November	436	7.7	95	7.2	189	8.9	47	5.7	56	7.7	48	7.3	1
December	486	8.6	111	8.4	107	5.0	107	12.9	117	16.1	33	5.0	11

Source: Office of Planning and Statistics, RMI

Table 10.3 TRAVELLERS ARRIVAL TO MAJURO BY SEX, AGE-GROUP AND PURPOSE OF TRAVEL: 1992

Sex and age-group	Total		Returning residents		Employment		Visitor		Not stated number
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
<b>Both sexes, total</b>	<b>7212</b>	<b>100</b>	<b>868</b>	<b>100</b>	<b>850</b>	<b>100</b>	<b>5684</b>	<b>100</b>	<b>10</b>
0-4 years	177	2.5	67	7.7	8	1.2	101	1.8	1
5-9 years	92	1.3	33	3.8	13	2.0	44	0.8	2
10-14 years	141	2.0	23	2.6	6	0.9	112	2.0	
15-19 years	234	3.2	36	4.1	12	1.8	186	3.3	
20-24 years	601	8.3	70	8.1	58	8.9	473	8.3	
25-29 years	724	10.0	52	6.0	85	13.1	586	10.3	1
30-34 years	905	12.5	87	10.0	112	17.2	705	12.4	1
35-39 years	909	12.6	123	14.2	87	13.4	697	12.3	2
40-44 years	944	13.1	121	13.9	96	14.8	726	12.8	1
45-49 years	737	10.2	81	9.3	50	7.7	606	10.7	
50-54 years	564	7.8	53	6.1	55	8.5	456	8.0	
55-59 years	400	5.5	32	3.7	27	4.2	341	6.0	
60-64 years	349	4.8	36	4.1	23	3.5	290	5.1	
65-69 years	185	2.6	20	2.3	7	1.1	157	2.8	1
70 years and over	130	1.8	15	1.7	5	0.8	109	1.9	1
Not stated	120	1.7	19	2.2	6	0.9	95	1.7	
<b>Male, total</b>	<b>5323</b>	<b>100</b>	<b>518</b>	<b>100</b>	<b>461</b>	<b>100</b>	<b>4339</b>	<b>100</b>	<b>5</b>
0-4 years	106	2.0	36	6.9	4	0.9	65	1.5	1
5-9 years	51	1.0	16	3.1	9	2.0	25	0.6	1
10-14 years	69	1.3	13	2.5	2	0.4	54	1.2	
15-19 years	144	2.7	13	2.5	8	1.7	123	2.8	
20-24 years	405	7.6	25	4.8	36	7.8	344	7.9	
25-29 years	525	9.9	31	6.0	60	13.0	434	10.0	
30-34 years	700	13.2	50	9.7	74	16.1	576	13.3	
35-39 years	712	13.4	74	14.3	70	15.2	566	13.0	2
40-44 years	753	14.1	85	16.4	74	16.1	594	13.7	
45-49 years	569	10.7	65	12.5	35	7.6	469	10.8	
50-54 years	422	7.9	33	6.4	38	8.2	351	8.1	
55-59 years	309	5.8	22	4.2	21	4.6	266	6.1	
60-64 years	266	5.0	28	5.4	17	3.7	221	5.1	
65-69 years	119	2.2	7	1.4	4	0.9	108	2.5	
70 years and over	81	1.5	9	1.7	4	0.9	67	1.5	1
Not stated	92	1.7	11	2.1	5	1.1	76	1.8	
<b>Female, total</b>	<b>1889</b>	<b>100</b>	<b>350</b>	<b>100</b>	<b>189</b>	<b>100</b>	<b>1345</b>	<b>100</b>	<b>5</b>
0-4 years	71	1.3	31	8.9	4	2.1	36	2.7	
5-9 years	41	0.8	17	4.9	4	2.1	19	1.4	1
10-14 years	72	1.4	10	2.9	4	2.1	58	4.3	
15-19 years	90	1.7	23	6.6	4	2.1	63	4.7	
20-24 years	196	3.7	45	12.9	22	11.6	129	9.6	
25-29 years	199	3.7	21	6.0	25	13.2	152	11.3	1
30-34 years	205	3.9	37	10.6	38	20.1	129	9.6	1
35-39 years	197	3.7	49	14.0	17	9.0	131	9.7	
40-44 years	191	3.6	36	10.3	22	11.6	132	9.8	1
45-49 years	168	3.2	16	4.6	15	7.9	137	10.2	
50-54 years	142	2.7	20	5.7	17	9.0	105	7.8	
55-59 years	91	1.7	10	2.9	6	3.2	75	5.6	
60-64 years	83	1.6	8	2.3	6	3.2	69	5.1	
65-69 years	66	1.2	13	3.7	3	1.6	49	3.6	1
70 years and over	49	0.9	6	1.7	1	0.5	42	3.1	
Not stated	28	0.5	8	2.3	1	0.5	19	1.4	

Source: Office of Planning and Statistics, RMI

Table 10.4 VISITORS TO MAJURO BY SEX, AGE GROUP AND MAIN PURPOSE OF VISIT: 1982

Sex and age-group	Total		Transit/Stopover		Business		Holiday/vacation		Visiting friends/relatives		Other		Not stated
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
<b>Both sexes, total</b>	<b>5684</b>	<b>100</b>	<b>1314</b>	<b>100</b>	<b>2120</b>	<b>100</b>	<b>828</b>	<b>100</b>	<b>728</b>	<b>100</b>	<b>654</b>	<b>100</b>	<b>46</b>
0-4 years	101	1.8	23	1.8	25	1.2	6	0.7	34	4.7	10	1.5	3
5-9 years	44	0.8	12	0.9	3	0.1	6	0.7	15	2.1	6	0.9	2
10-14 years	112	2.0	39	3.0	1	0.0	13	1.6	34	4.7	23	3.5	2
15-19 years	186	3.3	25	1.9	10	0.5	34	4.1	47	6.5	69	10.6	1
20-24 years	473	8.3	183	13.9	63	3.0	78	9.4	66	9.1	80	12.2	3
25-29 years	586	10.3	203	15.4	160	7.5	83	10.0	82	11.3	54	8.3	4
30-34 years	705	12.4	224	17.0	242	11.4	83	10.0	74	10.2	78	11.9	4
35-39 years	697	12.3	182	13.9	335	15.8	77	9.3	47	6.5	53	8.1	3
40-44 years	726	12.8	136	10.4	373	17.6	81	9.8	78	10.7	55	8.4	3
45-49 years	606	10.7	100	7.6	328	15.4	83	10.0	48	6.6	47	7.2	2
50-54 years	456	8.0	52	4.0	217	10.2	77	9.3	56	7.7	51	7.8	3
55-59 years	341	6.0	44	3.3	162	7.6	48	5.8	51	7.0	33	5.0	3
60-64 years	290	5.1	31	2.4	110	5.2	66	8.0	33	4.5	49	7.5	1
65-69 years	157	2.8	19	1.4	51	2.4	40	4.8	26	3.6	21	3.2	0
70 years and over	109	1.9	8	0.6	23	1.1	43	5.2	24	3.3	11	1.7	0
Not stated	95	1.7	33	2.5	19	0.9	10	1.2	13	1.8	14	2.1	6
<b>Male, total</b>	<b>4339</b>	<b>100</b>	<b>1092</b>	<b>100</b>	<b>1809</b>	<b>100</b>	<b>596</b>	<b>100</b>	<b>409</b>	<b>100</b>	<b>416</b>	<b>100</b>	<b>27</b>
0-4 years	65	1.5	18	1.6	19	1.1	5	0.9	15	3.7	5	1.2	3
5-9 years	25	0.6	6	0.5	3	0.2	5	0.9	6	1.5	3	0.7	2
10-14 years	54	1.2	22	2.0	1	0.1	7	1.2	16	3.9	7	1.7	1
15-19 years	123	2.8	20	1.8	9	0.5	30	5.1	19	4.6	44	10.6	1
20-24 years	344	7.9	164	15.0	49	2.7	55	9.4	30	7.3	45	10.8	1
25-29 years	434	10.0	173	15.8	124	6.9	54	9.2	44	10.8	37	8.9	2
30-34 years	576	13.3	197	18.0	210	11.6	59	10.1	53	13.0	56	13.5	1
35-39 years	566	13.0	161	14.7	279	15.4	57	9.7	30	7.3	37	8.9	2
40-44 years	594	13.7	119	10.9	319	17.6	59	10.1	56	13.7	38	9.1	3
45-49 years	469	10.8	75	6.9	283	15.6	52	8.9	25	6.1	33	7.9	1
50-54 years	351	8.1	41	3.8	185	10.2	54	9.2	32	7.8	36	8.7	3
55-59 years	266	6.1	28	2.6	145	8.0	38	6.5	34	8.3	18	4.3	3
60-64 years	221	5.1	26	2.4	102	5.6	47	8.0	14	3.4	31	7.5	1
65-69 years	108	2.5	10	0.9	46	2.5	27	4.6	15	3.7	10	2.4	
70 years and over	67	1.5	2	0.2	19	1.1	30	5.1	12	2.9	4	1.0	
Not stated	76	1.8	30	2.7	16	0.9	7	1.2	8	2.0	12	2.9	3
<b>Female, total</b>	<b>1345</b>	<b>100</b>	<b>222</b>	<b>100</b>	<b>311</b>	<b>100</b>	<b>242</b>	<b>100</b>	<b>319</b>	<b>100</b>	<b>238</b>	<b>100</b>	<b>13</b>
0-4 years	36	2.7	5	2.3	6	1.9	1	0.4	19	6.0	5	2.1	
5-9 years	19	1.4	6	2.7		0.0	1	0.4	9	2.8	3	1.3	
10-14 years	58	4.3	17	7.7		0.0	6	2.5	18	5.6	16	6.7	1
15-19 years	63	4.7	5	2.3	1	0.3	4	1.7	28	8.8	25	10.5	
20-24 years	129	9.6	19	8.6	14	4.5	23	9.5	36	11.3	35	14.7	2
25-29 years	152	11.3	30	13.5	36	11.6	29	12.0	38	11.9	17	7.1	2
30-34 years	129	9.6	27	12.2	32	10.3	24	9.9	21	6.6	22	9.2	3
35-39 years	131	9.7	21	9.5	56	18.0	20	8.3	17	5.3	18	6.7	1
40-44 years	132	9.8	17	7.7	54	17.4	22	9.1	22	6.9	17	7.1	
45-49 years	137	10.2	25	11.3	43	13.8	31	12.8	23	7.2	14	5.9	1
50-54 years	105	7.8	11	5.0	32	10.3	23	9.5	24	7.5	15	6.3	
55-59 years	75	5.6	16	7.2	17	5.5	10	4.1	17	5.3	15	6.3	
60-64 years	69	5.1	5	2.3	8	2.6	19	7.9	19	6.0	18	7.6	
65-69 years	49	3.6	9	4.1	5	1.6	13	5.4	11	3.4	11	4.6	
70 years and over	42	3.1	6	2.7	4	1.3	13	5.4	12	3.8	7	2.9	
Not stated	19	1.4	3	1.4	3	1.0	3	1.2	5	1.6	2	0.8	3

Source: Office of Planning and Statistics, RMI

Table 10.5 VISITORS TO MAJURO BY NATIONALITY AND MAIN PURPOSE OF VISIT: 1992

Country	Total		Transit/Stopover		Business		Holiday/vacation		Visiting friends/relatives		Other		Not stated Number
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
<b>All countries</b>	<b>5684</b>	<b>100</b>	<b>1314</b>	<b>100</b>	<b>2120</b>	<b>100</b>	<b>828</b>	<b>100</b>	<b>728</b>	<b>100</b>	<b>654</b>	<b>100</b>	<b>40</b>
Canada	65	1.1	18	1.4	19	0.9	10	1.2	12	1.6	6	0.9	
USA	2254	39.7	208	15.8	1170	55.2	293	35.4	308	42.3	265	40.5	10
Other America	20	0.4	1	0.1	8	0.4	5	0.6	3	0.4	3	0.5	
Australia	192	3.4	27	2.1	113	5.3	17	2.1	28	3.8	7	1.1	
Fiji	74	1.3	10	0.8	45	2.1	2	0.2	8	1.1	9	1.4	
FSM	276	4.9	50	3.8	47	2.2	10	1.2	69	9.5	94	14.4	6
Kiribati	724	12.7	553	42.1	31	1.5	21	2.5	69	9.5	49	7.5	1
Marshall Islands	36	0.6	8	0.6	2	0.1	3	0.4	19	2.6	4	0.6	
Narau	99	1.7	9	0.7	3	0.1	41	5.0	29	4.0	7	1.1	10
New Zealand	137	2.4	18	1.4	91	4.3	9	1.1	13	1.8	6	0.9	
Palau	52	0.9	12	0.9	24	1.1	2	0.2	6	0.8	6	0.9	2
Tuvalu	85	1.5	66	5.0	2	0.1	2	0.2	5	0.7	9	1.4	1
Other Pacific	79	1.4	7	0.5	47	2.2	3	0.4	8	1.1	14	2.1	
China	86	1.5	6	0.5	34	1.6	27	3.3	6	0.8	13	2.0	
Japan	570	10.0	93	7.1	179	8.4	194	23.4	51	7.0	51	7.8	2
Korea	61	1.1	3	0.2	24	1.1	15	1.8	9	1.2	8	1.2	2
Philippines	264	4.6	81	6.2	81	3.8	13	1.6	29	4.0	55	8.4	5
Other Asia	140	2.5	47	3.6	74	3.5	7	0.8	7	1.0	5	0.8	
British	133	2.3	39	3.0	58	2.7	20	2.4	11	1.5	5	0.8	
Germany	78	1.4	12	0.9	14	0.7	41	5.0	5	0.7	6	0.9	
Other Europe	173	3.0	38	2.9	32	1.5	79	9.5	13	1.8	11	1.7	
Others	27	0.5	4	0.3	12	0.6	4	0.5	3	0.4	4	0.6	
Not stated	59	1.0	4	0.3	10	0.5	10	1.2	17	2.3	17	2.6	1

Source: Office of Planning and Statistics, RMI

Table 10.6 AVERAGE INTENDED LENGTH OF STAY OF VISITORS TO MAJURO BY MAIN PURPOSE OF VISIT: 1992  
(visitors intending to stay one or more nights)

Purpose	Number of visitors	Average length of stay (nights)
<b>All</b>	<b>4986</b>	<b>12.28</b>
Transit/Stopover	1161	2.60
Business	1965	9.25
Holiday/Vacation	778	7.01
Visiting friends/relatives	603	14.72
Other	474	54.19
Not stated	5	3.80

Source: Office of Planning and Statistics, RMI

Table 10.7 VISITORS TO MAJURO BY OCCUPATION GROUP AND MAIN PURPOSE OF VISIT: 1992

Occupation	Total		Transit/Stopover		Business		Holiday/vacation		Visiting friends/relatives		Other		Not stated Number
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
<b>All</b>	<b>6684</b>	<b>100</b>	<b>1314</b>	<b>100</b>	<b>2120</b>	<b>100</b>	<b>828</b>	<b>100</b>	<b>728</b>	<b>100</b>	<b>654</b>	<b>100</b>	<b>40</b>
Professional, Technical & related workers	2013	35.4	325	24.7	979	46.2	267	32.2	221	30.4	216	33.0	5
Administrative & Managerial workers	396	7.0	54	4.1	242	11.4	46	5.6	34	4.7	16	2.4	4
Clerical & related workers	523	9.2	84	6.4	287	13.5	66	8.0	43	5.9	41	6.3	2
Sales workers	366	6.4	30	2.3	239	11.3	57	6.9	24	3.3	14	2.1	2
Service workers	74	1.3	4	0.3	33	1.6	16	1.9	16	2.2	5	0.8	
Agricultural & related workers/ Fishermen	120	2.1	42	3.2	30	1.4	19	2.3	7	1.0	22	3.4	
Production workers, Transport equipment operators & Laborers	838	14.7	530	40.3	124	5.8	54	6.5	46	6.3	81	12.4	3
Workers not classifiable by occupation or occupation not stated	1354	23.8	245	18.6	186	8.8	303	36.6	337	46.3	259	39.6	24

Source: Office of Planning and Statistics, RMI

Table 10.8 VISITORS TO MAJURO BY NATIONALITY AND OCCUPATION GROUP: 1982

Occupation	All countries	Canada	USA	Other America	Australia	Fiji	FSM	Kiribati	Marshall Islands	Nauru	New Zealand	Palau	Tuvalu	Other Pacific	China	Japan	Korea	Philippines	Other Asia	British	Germany	Other Europe	Others	Not stated
All	5684	65	2254	20	192	74	276	724	36	99	137	52	85	79	86	570	61	264	140	133	78	173	27	59
Professional, Technical & related workers	2013	28	977	8	89	38	75	80	4	10	49	36	11	36	36	210	19	53	39	57	40	89	14	15
Administrative & Managerial workers	396	2	190	2	31	7	16	15	2	2	25	4	3	7	2	33	2	18	7	13	7	7	1	1
Clerical & related workers	523	6	212	5	18	10	25	42	5	8	15	3	4	12	16	81	6	11	12	11	7	8	4	2
Sales workers	366	1	165	1	5	7	9	8	2	2	6	1	2	2	6	55	15	23	34	14	5	5	2	2
Service workers	74	2	46	3	3	5	1	1	1	4	1	1	2	2	2	2	1	1	2	2	1	1	1	1
Agricultural & related workers/ Fishermen	120	2	29	2	2	2	2	2	3	1	3	1	1	1	2	24	3	37	7	1	1	4	1	1
Production workers, Transport equipment operators & Laborers	838	5	123	9	9	2	10	458	3	15	12	2	26	3	1	49	6	84	16	3	1	5	1	4
Workers not classifiable by occupation, or occupation not stated	1354	19	512	4	37	10	134	118	21	58	26	5	40	16	23	116	10	37	23	32	17	54	7	35

Source: Office of Planning and Statistics, RMI

## **11 National accounts**

## **National accounts**

The Office of Planning and Statistics with assistance from ESCAP and Forum Secretariat has estimated the Gross National Product (GDP) of the Marshall Islands from 1981 through 1992 using the method of estimating the incomes of those engaged in the production of goods and services. Administrative records such as tax records in particular were used to estimate taxable wages and salaries and profits which accounts for most of the GDP. Adhoc methods have been used to estimate other elements of incomes which together constitutes a small portion of GDP. Though this method had served its purpose in the face of paucity of data, it was unable to provide information on components of the GDP such as a breakdown of GDP by various sectors.

With the assistance of a consultant, OPS has made an estimate of GDP for 1992 as well as a new estimate of the 1991 GDP. The results are presented in this chapter. However, these estimates are provisional and they are subject to revision as better data are becoming available in the future.

Table 11.1. GROSS DOMESTIC PRODUCT (NOMINAL), FY1981 - FY1990  
(Fiscal year ending September 30; US dollars in thousands)

Items	Year									
	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>1. Net Domestic Product</b>	23,262	26,233	31,093	33,418	33,100	41,839	48,883	56,296	57,566	60,573
1.1 Total Compensation of Employees:										
Government:	12,064	16,466	16,641	17,426	19,003	24,113	30,249	36,139	37,469	39,947
Free Housing Provided	8,750	10,174	10,822	11,495	11,810	13,657	15,570	17,768	19,205	23,944
Enterprise - Government	8,110	9,298	9,791	10,353	10,923	12,617	14,219	16,149	17,527	18,904
Private:	360	430	500	575	580	593	611	665	510	633
Other	280	446	531	567	308	447	740	954	1,168	4,407
Free Housing Provided	3,304	5,281	5,819	5,930	7,193	10,456	14,679	18,371	18,264	16,003
Social Security Contribution	2,924	4,803	5,292	5,392	6,559	9,589	13,582	17,036	17,027	14,544
Domestic Services	73	120	132	135	164	239	339	425	386	489
Non - Profit Institution (Museum)	100	104	110	113	134	172	235	253	234	289
Government Enterprises - Taxed	107	150	161	165	194	259	350	437	420	411
Enterprises not covered by Tax	100	104	124	126	127	162	133	134	120	165
Copro marketed	N.A.	N.A.	N.A.	N.A.	15	34	40	86	77	105
1.2 Total Operating Surplus	11,208	10,778	14,452	15,993	14,098	17,827	18,634	19,156	20,086	20,626
Government Enterprises	218	-829	383	939	-1519	-327	842	197	(449)	(3,584)
Private Enterprises - Taxed	4,033	4,481	5,975	6,266	6,721	8,935	7,767	8,349	9,247	11,443
Other agricultural Products Marketed	97	112	149	157	167	222	192	207	229	283
Non Market Production	1,090	787	1,141	1,365	1,031	847	1,080	1,213	1,209	1,079
Rental - Rented Buildings	630	680	743	793	841	890	956	1,004	1,076	1,246
Imputed rental-owner occupied houses	4,210	4,543	4,984	5,302	5,617	5,950	6,387	6,706	7,188	8,323
Consumption of Fixed Capital	240	259	283	303	320	338	364	382	409	473
Indirect Taxes	690	745	814	869	920	973	1,046	1,098	1,177	1,363
Subsidies	1,150	1,671	1,730	1,806	1,833	2,446	2,902	3,076	2,896	3,198
Gross Domestic Product	3,257	3,430	4,477	5,109	5,168	7,610	6,545	6,506	6,273	7,804
Gross Domestic Product	517	670	767	818	1,785	2,687	2,200	2,001	3,003	2,876
Gross Domestic Product	27,152	30,564	36,543	39,513	38,406	49,007	55,130	61,874	63,721	68,691

Note: (a) These figures are nominal values and hence not corrected for inflation. The figures are also provisional as they are subject to revision when better data becomes available.

(b) This table differs from previous tables because the earnings of Marshallese workers in the Kwejalein Missile Base, legally a foreign entity, are considered as factor incomes from abroad and will be included in the estimates of Gross National Product.

Source: - S.G. Twarei, Report on Development of National Accounts and Related Matters in the Republic of Marshall Islands (TPI), ESCAP.  
- K.N.C. Pillai, Report on National Accounts Mission to the Republic of the Marshall Islands, ESCAP, Bangkok, Thailand  
- J. Kumar, Regional Adviser on National Accounts, ESCAP, Bangkok, Thailand. (Unpublished Report).  
- Office of Planning and Statistics.

Table 11.2 GROSS DOMESTIC PRODUCT OF THE REPUBLIC OF THE MARSHALL ISLANDS, FY1981-FY1990  
(Fiscal year ending September 30; US dollars in millions)

Items	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
1 Net Domestic Product at Factor Cost	23.26	26.24	31.09	33.42	33.10	41.94	48.88	55.30	57.56	60.58
Compensation of Employees	12.05	15.46	16.64	17.43	19.00	24.11	30.25	36.14	37.47	39.95
Operating Surplus	11.21	10.78	14.45	15.99	14.10	17.83	18.63	19.16	20.09	20.63
2 Consumption of fixed Capital	1.15	1.57	1.73	1.81	1.93	2.45	2.90	3.08	2.90	3.19
3 Gross Domestic Product at Factor Cost	24.41	27.81	32.82	35.23	35.03	44.39	51.78	58.38	60.46	63.77
4 Indirect Taxes less Subsidies	2.74	2.76	3.72	4.29	3.37	4.62	3.35	3.50	3.27	4.93
5 Gross Domestic Product at Market Prices.	27.15	30.57	36.54	39.52	38.40	49.02	55.12	61.88	63.73	68.70
6 Mid-year Population estimate	31,927	33,036	34,199	35,420	36,702	38,044	39,449	42,692	44,407	46,188
7 Per Capita GDP at m.p. (\$)	851	925	1,068	1,116	1,046	1,288	1,397	1,450	1,435	1,487
8 Percentage increase over previous year										
GDP at market price	-	12.6	19.6	8.1	-2.8	27.6	12.5	12.3	3.0	7.8
Per Capita GDP at market price	-	8.8	15.5	4.4	-6.2	23.1	8.5	3.7	-1.0	3.6

Note: The estimates are at current prices in US dollar.

This data is provisional. The table is restricted by data availability and will be revised whenever more data becomes available.

Source:

- S.G. Tiwari. Report on Development of National Accounts and Related Matters in the Republic of Marshall Islands (TTPI), ESCAP, Bangkok, Thailand.  
- K.N.C. Pillai. Report on National Accounts Mission to the Republic of the Marshall Islands, ESCAP, Bangkok, Thailand.

- J. Kumar. Regional Adviser on National Accounts, ESCAP, Bangkok, Thailand. (Unpublished Report).  
- Office of Planning and Statistics.

Table 11.3 COMPENSATION OF EMPLOYEES, FISCAL YEARS, 1981 - 1990  
(US dollars in thousands)

Items	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>GOVERNMENT (Total)</b>	<b>8,470</b>	<b>9,728</b>	<b>10,291</b>	<b>10,928</b>	<b>11,503</b>	<b>13,210</b>	<b>14,830</b>	<b>16,814</b>	<b>18,037</b>	<b>19,537</b>
Taxed	8,110	9,298	9,791	10,353	10,923	12,617	14,219	16,149	17,527	18,904
Benefits (incl. free housing)	360	430	500	575	580	593	611	665	510	633
<b>GOVERNMENT ENTERPRISES</b>	<b>280</b>	<b>446</b>	<b>531</b>	<b>567</b>	<b>308</b>	<b>447</b>	<b>740</b>	<b>954</b>	<b>1,168</b>	<b>4,407</b>
<b>PRIVATE (Total)</b>	<b>3,204</b>	<b>5,177</b>	<b>5,695</b>	<b>5,805</b>	<b>7,065</b>	<b>10,293</b>	<b>14,546</b>	<b>18,237</b>	<b>18,144</b>	<b>15,838</b>
Taxed	2,924	4,803	5,292	5,392	6,574	9,623	13,622	17,122	17,104	14,649
Other	73	120	132	135	164	239	339	425	386	489
Free Accommodation	100	104	110	113	133	172	235	253	234	289
Social Security Contribution	107	150	161	165	194	259	350	437	420	411
<b>DOMESTIC SERVICE</b>	<b>100</b>	<b>104</b>	<b>124</b>	<b>126</b>	<b>127</b>	<b>162</b>	<b>133</b>	<b>134</b>	<b>120</b>	<b>165</b>
<b>Total Employee Compensation</b>	<b>12,054</b>	<b>15,455</b>	<b>16,641</b>	<b>17,426</b>	<b>19,003</b>	<b>24,112</b>	<b>30,249</b>	<b>36,139</b>	<b>37,459</b>	<b>39,947</b>

Note : (a) FY refers to Fiscal Year, starting at October 1 of the respective years.

Source : - TTPI Office of Planning and Statistics.

- K.N.C. Pillai; "Report on National Account, Advisory Mission to Republic of the Marshall Islands", (ESCAP), 1985.

Table 11.4 ESTIMATE OF GROSS DOMESTIC PRODUCT: 1991, 1992  
(at current prices)

Sector	1991		1992	
	\$'000	Percent	\$'000	Percent
1. Agriculture, Forestry and Fishing	10,014.5	14.0	10,739.3	13.5
i. Agriculture				
(a) Copra	789.2	1.1	2,423.9	3.1
(b) Food Crops	1,710.6	2.4	1,396.5	1.8
ii. Livestock	1,421.2	2.0	1,495.3	1.9
iii. Agricultural Services	121.2	0.2	141.4	0.2
iv. Fishing	5,972.3	8.3	5,282.2	6.7
2. Mining and quarrying	192.6	0.3	215.2	0.3
3. Manufacturing	853.0	1.2	789.6	1.0
(a) Processed Copra Products	(494.3)	(0.7)	(638.6)	(0.8)
(b) Other Manufactured Goods	946.4	1.3	1,085.2	1.4
(c) Handicrafts	400.9	0.6	343.0	0.4
4. Electricity	(602.6)	(0.8)	(528.2)	(0.7)
i. Electricity	(548.0)	(0.8)	(440.2)	(0.6)
ii. Water	(54.6)	(0.1)	(88.0)	(0.1)
5. Construction	8,850.6	12.4	9,980.0	12.6
6. Wholesale and Retail Trade and Restaurants and Hotels	17,875.9	25.0	19,844.2	25.0
i. Wholesale and retail Trade	14,694.3	20.5	15,995.3	20.2
ii. Restaurants and Hotels	3,181.6	4.4	3,848.9	4.9
7. Transport Storage and Communication	(3,654.1)	(5.1)	(2,820.8)	(3.6)
i. Land Transport	1,060.6	1.5	1,396.7	1.8
ii. Water Transport	157.6	0.2	388.6	0.5
iii. Air Transport	(6,651.3)	(9.3)	(6,820.9)	(8.6)
iv. Communication	1,779.0	2.5	2,214.8	2.8
8. Financing, Insurance, Real Estate and Business Services	10,977.8	15.3	12,332.7	15.6
i. Financial Institutions	3,413.8	4.8	3,346.5	4.2
ii. Insurance	381.3	0.5	442.6	0.6
iii. Real Estate	1,490.5	2.1	2,076.5	2.6
iv. Owner-occupied dwellings	4,542.9	6.3	5,200.9	6.6
v. Business Services	1,149.3	1.6	1,266.2	1.6
9. Community, Social and Personal Services	25,022.3	34.9	26,987.0	34.0
i. Public Administration and Defense	10,838.8	15.1	11,804.5	14.9
ii. Public Utility Services	693.7	1.0	734.3	0.9
iii. Education Services	6,956.3	9.7	7,365.7	9.3
iv. Health Services	3,881.3	5.4	4,199.4	5.3
v. Other Social and related Community Services	1,160.9	1.6	1,230.4	1.6
vi. Recreation and Cultural Services	791.5	1.1	886.2	1.1
vii. Personal and Household Services	699.8	1.0	766.5	1.0
10. Total	69,530.0	97.1	77,539.0	97.8
11. LESS imputed bank service charges	4,148.2	5.8	4,350.6	5.5
12. PLUS import duties	6,436.1	9.0	6,097.7	7.7
13. Gross Domestic Product	71,817.9	100.2	79,286.1	100.0

Figures given are provisional and subject to revision. The estimates have not been officially approved as yet.

Source: Office of Planning and Statistics, RMI

L.N. Perera, South Pacific Forum Secretariat Consultant, Gross Domestic Product and Sector Accounts 1991 and 1992. October 1993

## **Miscellaneous tables**

Due to resource constraints, only a few tables for this section could be included for the present year, 1992. The rest of the tables customarily presented in this section would be given in the next edition of the Statistical Abstract.

Table 12.1 NUMBER OF PRIVATE MOTOR VEHICLES REGISTERED, BY TYPE, 1982-1992

Type of Vehicle	1982	1983	1984	1986	1987	1988	1989	1990	1991	1992
<b>All</b>	<b>744</b>	<b>592</b>	<b>880</b>	<b>932</b>	<b>1080</b>	<b>1142</b>	<b>975</b>	<b>928</b>	<b>1488</b>	<b>2101</b>
Bus	21	11	45	4	5	10	4	14	4	4
Jeep	6	9	23	20	24	18	19	22	24	31
Mini-Pick up	24	33	32	-	-	-	49	36	43	53
Pick Up	238	164	261	258	309	289	198	24	498	485
Scooter	31	27	37	10	12	22	18	28	42	39
Sedan	385	317	447	525	606	676	526	647	806	1196
Truck	30	19	35	50	54	58	66	82	33	118
Van	9	12	-	65	70	69	95	75	38	175

1985 figures are not available.

Source: Ministry of Justice, Department of Public Safety, Majuro Local Government Police Department

Table 12.2 POWER GENERATED, NUMBER OF ELECTRICITY CONSUMERS AND REVENUE COLLECTED, 1990-1992

Month	1987				1988				1989			
	Total MW HRS generated	Cost per KWH (cents)	Number of consumers	Total revenue collected (\$'000)	Total MW HRS generated	Cost per KWH (cents)	Number of consumers	Total revenue collected (\$'000)	Total MW HRS generated	Cost per KWH (cents)	Number of consumers	Total revenue collected (\$'000)
<b>Total</b>	<b>36,717</b>	-	-	<b>1,839</b>	<b>38,072</b>	-	-	<b>1,932</b>	<b>38,911</b>	-	-	<b>2,473</b>
January	2,826	5.33	1,541	103	3,008	4.77	1,686	46	3,267	4.44	1,901	151
February	2,513	4.18	1,552	71	2,959	3.95	1,693	152	2,865	4.56	1,926	252
March	2,860	3.95	1,558	71	3,272	3.81	1,639	164	3,154	4.45	1,939	138
April	2,761	3.77	1,570	88	3,178	3.90	1,642	152	3,060	4.64	1,944	156
May	2,933	3.52	1,578	82	3,326	3.98	1,643	143	3,262	4.59	1,967	275
June	2,983	3.75	1,603	49	3,156	3.85	1,649	120	3,151	4.79	1,999	195
July	3,148	3.93	1,617	110	3,284	3.39	1,674	151	3,231	4.69	2,002	184
August	3,176	3.85	1,625	102	3,205	3.32	1,700	210	3,287	4.70	2,023	184
September	3,063	3.78	1,636	76	3,173	4.03	1,731	209	3,271	4.71	2,042	220
October	3,200	3.82	1,642	113	3,151	4.49	1,754	214	3,410	4.67	2,056	209
November	3,076	3.80	1,657	82	3,183	4.35	1,771	150	3,406	4.75	2,061	323
December	3,178	3.87	1,671	890	3,177	4.47	1,860	221	3,547	4.69	2,073	186

Month	1990				1991				1992			
	Total MW HRS generated	Cost per KWH (cents)	Number of consumers	Total revenue collected (\$'000)	Total MW HRS generated	Cost per KWH (cents)	Number of consumers	Total revenue collected (\$'000)	Total MW HRS generated	Cost per KWH (cents)	Number of consumers	Total revenue collected (\$'000)
<b>Total</b>	<b>42,912</b>	-	-	<b>3,068</b>	<b>45,759</b>	-	-	<b>3,528</b>	<b>48,252</b>	-	-	<b>3,991</b>
January	3,537	4.8	2,072	228	3,644	5.9	2,290	347	3,698	5.7	2,423	339
February	3,179	4.7	2,077	216	3,397	7.9	2,315	190	3,580	5.5	2,439	326
March	4,201	3.8	2,107	234	3,622	7.9	2,337	274	3,905	5.6	2,448	251
April	3,473	4.9	2,119	277	3,673	7.9	2,350	255	3,845	5.7	2,468	324
May	3,571	5.2	2,136	272	3,870	7.8	2,297	293	4,056	5.6	2,489	261
June	3,427	4.6	2,150	216	3,810	8.0	2,347	383	3,998	5.3	2,492	399
July	3,587	4.8	2,146	288	3,991	7.8	2,363	264	4,158	5.3	2,511	262
August	3,596	5.0	2,171	292	4,019	8.2	2,389	327	4,159	5.2	2,513	312
September	3,408	5.5	2,200	246	3,936	6.6	2,407	341	4,136	5.2	2,501	309
October	3,630	5.6	2,217	289	4,037	6.6	2,397	218	4,346	5.2	2,524	415
November	3,577	6.2	2,244	272	3,809	6.6	2,408	277	4,040	5.3	2,552	333
December	3,726	6.4	2,261	238	3,951	6.6	2,400	359	4,331	5.1	2,565	460

Source: Marshalls Energy Company, Majuro, RMI.