

# **REPUBLIC OF THE MARSHALL ISLANDS**



## **STATISTICAL ABSTRACT 1990 - 1991**

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**Office of Planning and Statistics  
P.O. Box 7  
Majuro, Marshal Islands 96960**

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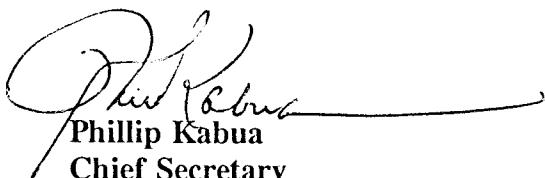
## PREFACE

This is the sixth issue of the Marshall Islands Statistical Abstract published by the Office of Planning and Statistics. In this volume an attempt has been made to include, as far as possible, data upto the end of 1991. Data in the Abstract refer to the calendar year except when indicated otherwise.

The collection of data for this Abstract started in March 1992. All appropriate Ministries, public and private bodies were requested to cooperate in the compilation of this bulletin. To a large extent, most of them responded favorably. The production of this Abstract has been made possible by the contributions received from these various Ministries, government divisions, and agencies, private agencies and individuals. However, it is regretted that certain limitations still remain because of our resource constraints. At present no data are available on intra-atoll traffic, banking and insurance and on communication. Furthermore the database for National Accounts needs to be expanded and the Consumer Price Index needs to be revised.

The preparation of the Abstract was in the hands of Mr. M.G.Senanayake, National Statistician, who was assisted by Messrs. Takaji Abo and Caster Konou, the Assistant National Statisticians. When the Asian Development Bank Project for the Institutional Strengthening of the Office of Planning and Statistics was commenced in July 1992, the completion of the work of the Abstract was undertaken as a project training exercise under the advice and guidance of the ADB Project Manager, Dr. H.M. Gunasekera. Mr. Takaji Abo, Assistant National Statistician, Mr. Clary Makroro, assistant Chief Planner, and Mr. Kato Ruben, Planning Officer, took part in the preparation of Tables and Charts as their training exercises. Mr. Francisco Morales, the Data Processing Advisor attached to the Ministry of Finance, provided the training in the use of the computers in this exercise. Administrative support for preparation of the document was given by Ms. Netha Jack and Ms. Tarina Jokon. We wish to thank all these officers for their contributions.

We sincerely hope that the various users of the data, such as the Government, the businesses, individuals, foreign missions, and international agencies and organizations will find the Abstract useful and informative. We welcome comments and suggestions for improvement of the Statistical Abstract series.



Phillip Kabua  
Chief Secretary  
January 18, 1993.

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# **SECTION 1**

## **1. GEOGRAPHY**

## **1. Geography and Climate**

The Republic of the Marshall Islands consists of 29 atolls 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 group (Sunrise) and Ralik group (Sunset). The total number of islands and islets within the atolls is approximately 1,225, spread over a sea area of 750,000 square miles. The total land area is 70 square miles.

The distance from Majuro, the capital, to Honolulu in the East is 2,136 miles, and to Tokyo to the north-west is 2,300 miles. The capital of the former Trust Territory, Saipan, lies 2,014 miles to the west.

The atoll group has a hot and humid climate. The average temperature is about 81 degree F, (or 27.2 degrees Celsius), with an average relative humidity of 81.3% (in Majuro). Average annual rainfall in Majuro is 132 inches (or 335.3 cm.), the wettest months of the year being October and November. Typically the northern atolls receive a lesser rainfall than those in the South.

The Marshall Islands is generally not considered to be in the typhoon belt. Nevertheless, because the island groups are true atolls with low lying reefs and land mass they are easily flooded during storms and tidal surges.

TABLE: 1.1 Geography of Marshall Islands

No.	Name	Type	Approximate No. of Islets	Area (sq. mi.)		Latitude	Longitude
				Lagoon	Dry Land		
<b>Ratak Chain</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	Erkub	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>Sub-total</b>			641	1672.52	34.02		

<b>Ralik Chain</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'
<b>Sub-total</b>			584	2834.35	36.03		
<b>Grand-total</b>			1,225	4,506.87	70.05		

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

FIGURE - 1  
RELATIVE SIZES OF ATOLLS AND ISLANDS

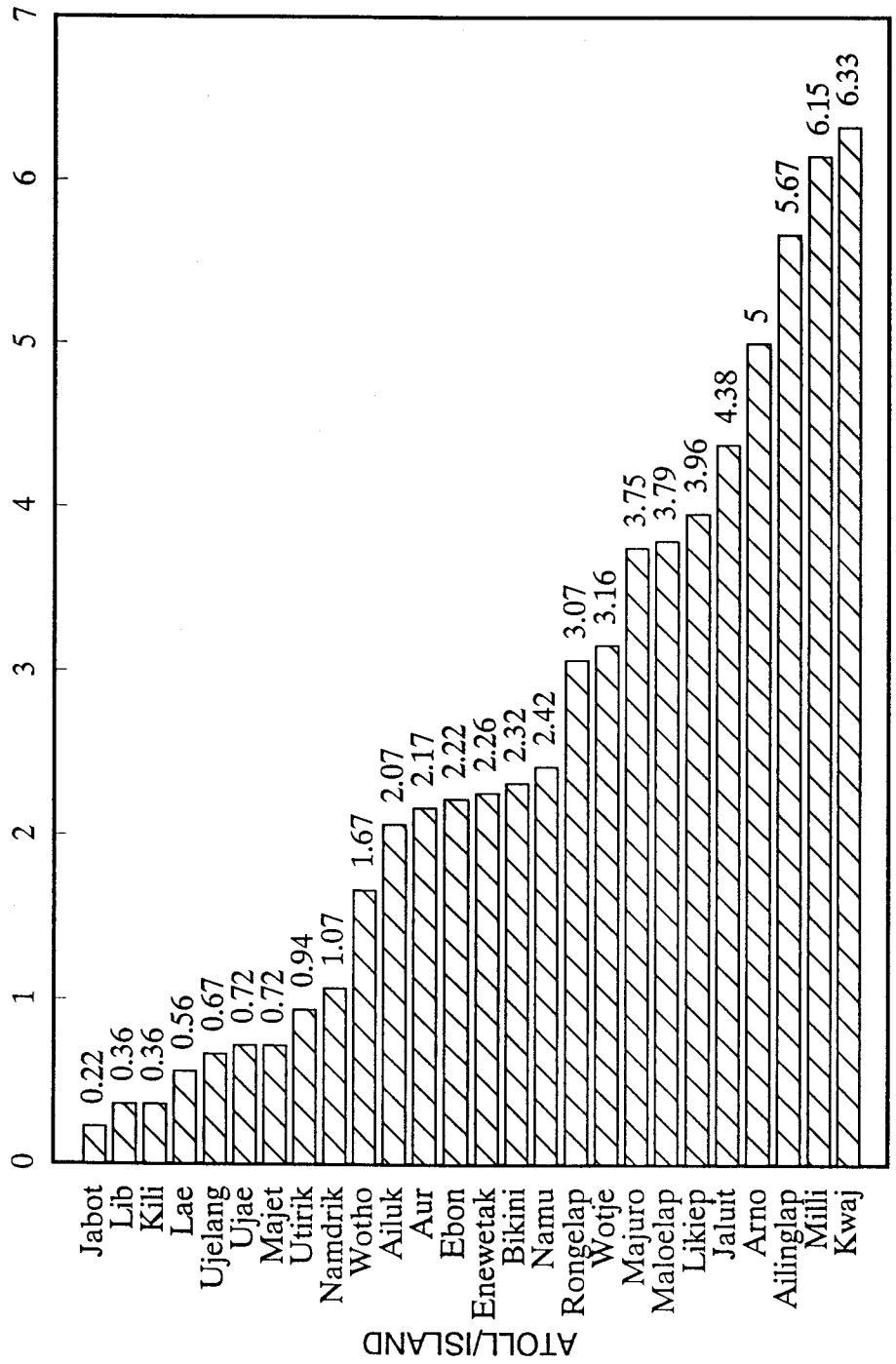


TABLE : 1.2  
DISTANCE BETWEEN ATOLLS/ISLANDS (NAUTICAL MILES)

	A	A	A	A	E	E	J	K	K	L	M	M	N	N	R	T	U	U	W	W	B
	I	I	I	R	U	B	A	A	A	I	A	E	I	A	O	A	J	J	T	O	-
ATOLLS/ISLANDS	L	L	R	N	R	O	B	L	V	L	E	J	J	M	M	N	B	E	I	T	T
	A	A	O	O	N	Y	W	U	E	N	O	T	T	R	R	E	L	R	H	J	-
	G	G	K	K	K	E	O	T	T	N	E	O	T	P	O	I	L	I	A	I	O
	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	N	N	N	N	N	-
	A	A	P	P	P	V	V	V	V	V	V	V	V	V	V	P	G	G	G	G	-
	P	P	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	-
ALLINGLAPAP	-	187	160	180	150	165	110	30	95	160	105	180	100	152	150	210	208	103	75	260	150
ALIUK	187	-	125	220	145	345	160	165	257	95	282	235	190	45	205	55	275	240	172	190	135
AIROK MALOELAP	160	125	-	108	20	280	200	133	180	30	215	290	220	140	90	110	150	250	175	250	10
ARNO	180	220	108	-	80	220	200	170	135	108	170	345	260	230	30	200	60	225	215	385	85
AUR	150	145	20	80	-	255	200	128	160	50	190	290	220	150	70	135	133	235	175	315	10
EBON	165	345	280	220	255	-	255	188	95	280	65	295	230	315	220	360	195	70	200	415	255
EBEYE KWAJALEIN	110	160	200	260	200	255	-	103	200	200	200	90	35	120	235	200	300	185	40	150	200
JABWOT	30	165	133	170	128	188	103	-	118	128	124	182	104	125	132	188	186	140	68	242	125
JALUIT	95	275	180	135	160	95	200	118	-	180	35	265	190	235	130	265	125	90	145	360	160
KAVEN MALOELAP	160	95	30	108	50	280	200	128	180	-	215	290	220	105	115	85	150	250	170	250	40
KILI	105	282	215	170	190	65	200	124	35	215	-	260	185	250	160	295	160	60	150	360	190
LAE	180	235	290	345	290	295	90	182	265	290	260	-	80	180	320	285	380	200	110	140	290
LIB	100	190	220	260	220	230	35	104	190	220	185	80	-	140	245	240	300	165	35	170	220
LIKIEP	152	45	140	230	150	315	120	125	235	105	250	180	140	-	205	95	275	260	130	160	140
MAJURO	150	205	90	30	70	220	235	132	130	115	160	320	245	206	-	200	85	215	210	360	80
MEJIT	210	55	110	200	130	360	200	188	265	85	295	285	240	95	200	-	255	320	210	240	120
MILI	208	275	150	60	133	195	300	186	125	150	160	380	300	275	80	255	-	220	250	425	133
NAMORIK	103	240	250	225	235	79	185	140	90	250	60	220	165	260	215	320	220	-	140	350	235
NAMU	75	172	175	215	175	200	40	68	145	170	150	110	35	130	210	250	140	-	190	175	140
RONGELAP	260	190	250	385	315	415	150	242	360	250	360	140	170	160	360	240	425	350	190	-	315
TABAL AUR	150	135	10	80	10	255	200	125	160	40	190	290	220	140	80	120	133	236	175	315	-
UJAE	205	360	220	375	330	320	120	220	300	220	285	30	105	215	350	320	410	350	140	150	330
UJELANG	485	540	615	670	620	650	410	498	570	615	550	320	395	485	635	600	700	490	425	320	620
UTRIK	240	60	185	275	200	400	250	250	315	150	335	225	90	265	85	330	350	220	180	190	280
WOTHO	240	235	310	385	325	130	235	325	310	325	80	140	185	365	290	420	300	170	80	325	80
WOTJE	150	45	80	175	100	300	150	120	210	50	230	225	170	60	160	65	230	260	145	220	90
BIKINI	310	273	380	450	395	462	217	307	315	358	416	165	225	245	439	329	496	390	142	290	255

Source: Ministry of Transportation and Communications.

TABLE 1.3 - MONTHLY RAINFALL, MAJURO, 1959 - 1991 (INCHES)

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual
1959	1.07	9.47	8.72	12.69	6.35	14.17	11.00	5.33	16.36	11.49	19.92	14.00	130.57
1960	9.17	3.60	11.17	23.41	14.27	13.22	14.10	14.59	16.93	9.71	16.32	6.54	153.03
1961	21.97	6.50	4.24	8.50	8.34	13.90	5.34	11.31	11.14	11.50	12.04	16.91	131.69
1962	17.55	5.15	11.48	5.95	12.01	7.54	11.02	8.91	21.03	16.36	22.69	11.71	151.40
1963	17.46	9.57	12.43	6.21	11.31	11.96	11.69	10.76	6.83	13.13	11.60	8.57	131.52
1964	1.40	6.99	7.23	11.16	22.02	11.16	18.69	15.58	21.11	22.79	16.85	7.42	162.40
1965	9.85	5.32	1.98	4.69	7.93	11.45	14.85	6.92	15.46	14.71	12.12	9.55	114.83
1966	3.79	4.42	5.80	16.03	8.64	9.40	14.94	6.52	13.95	13.53	12.24	19.44	128.70
1967	11.88	9.72	12.46	7.64	4.93	10.98	13.87	7.99	13.78	15.16	11.16	6.48	126.05
1968	5.38	3.49	11.12	8.86	9.33	16.07	11.39	11.50	9.77	12.06	11.97	24.80	135.74
1969	8.22	2.35	16.17	17.21	8.78	13.01	16.65	10.24	15.65	7.11	11.68	7.21	134.28
1970	5.62	0.40	1.73	2.87	9.23	10.66	7.73	11.24	11.75	12.64	6.60	8.40	88.87
1971	8.21	5.74	9.80	31.10	19.86	13.42	15.49	14.92	7.93	18.06	9.46	8.40	162.39
1972	9.58	7.11	15.45	9.17	14.96	14.88	14.76	10.84	18.96	14.06	4.53	23.36	157.66
1973	0.78	1.84	11.05	14.59	14.33	12.23	7.29	13.86	12.78	13.79	14.21	7.24	123.99
1974	11.09	8.07	7.18	15.67	12.84	13.66	12.48	13.69	10.44	19.90	9.29	14.49	148.80
1975	5.20	3.21	7.77	12.76	10.58	17.63	14.23	16.35	16.51	18.29	15.28	13.95	151.76
1976	8.57	9.42	15.68	19.41	15.28	9.43	16.78	8.36	17.66	8.95	12.70	2.77	145.01
1977	2.39	0.77	2.60	10.62	17.21	8.37	10.88	11.15	9.72	17.59	11.85	18.88	122.03
1978	3.60	5.25	3.39	12.65	13.90	10.70	16.25	8.86	9.73	20.56	23.56	14.35	142.80
1979	6.78	2.77	7.14	11.75	7.91	13.23	6.67	13.03	6.54	15.04	11.33	7.10	109.29
1980	8.11	9.70	5.05	7.03	11.34	6.73	8.48	13.89	12.85	9.25	5.35	10.56	108.34
1981	0.90	4.34	17.40	10.20	9.04	5.43	16.53	12.24	6.71	7.28	14.61	14.47	119.15
1982	12.63	9.72	13.29	4.68	11.46	16.98	14.66	11.72	18.94	8.17	19.08	3.17	144.50
1983	0.83	0.98	0.66	1.97	1.49	14.45	12.58	6.05	11.25	13.47	9.84	12.74	86.31
1984	16.12	16.83	1.29	3.87	4.18	5.40	9.35	9.20	6.42	14.77	13.31	14.95	115.69
1985	8.70	16.56	4.59	15.38	9.67	14.67	13.18	16.77	8.03	18.06	12.81	11.30	149.72
1986	10.51	3.91	14.75	12.23	14.94	15.89	12.09	19.98	10.52	7.32	9.37	17.10	148.61
1987	6.24	4.01	4.90	2.14	9.22	14.76	21.17	8.36	11.09	11.29	15.45	7.48	116.11
1988	14.65	6.76	6.76	5.92	6.85	9.11	14.36	10.59	13.86	17.87	7.18	13.65	127.56
1989	7.75	8.30	4.76	8.54	11.18	7.20	17.44	10.34	14.55	16.41	19.84	8.52	134.83
1990	7.01	4.21	10.36	9.43	16.56	7.28	9.09	14.39	7.57	6.17	15.57	10.36	118.00
1991	9.87	11.68	20.58	8.55	0.92	4.56	3.76	0.57	6.64	4.80	1.88	8.04	81.85
Ave.	8.28	6.13	8.44	10.88	10.94	12.02	12.95	11.36	12.79	13.80	12.81	11.90	132.29

Source: Majuro Weather Station.

FIGURE – 2

Monthly Average of Rainfall (in inches) Majuo 1960 – 1991

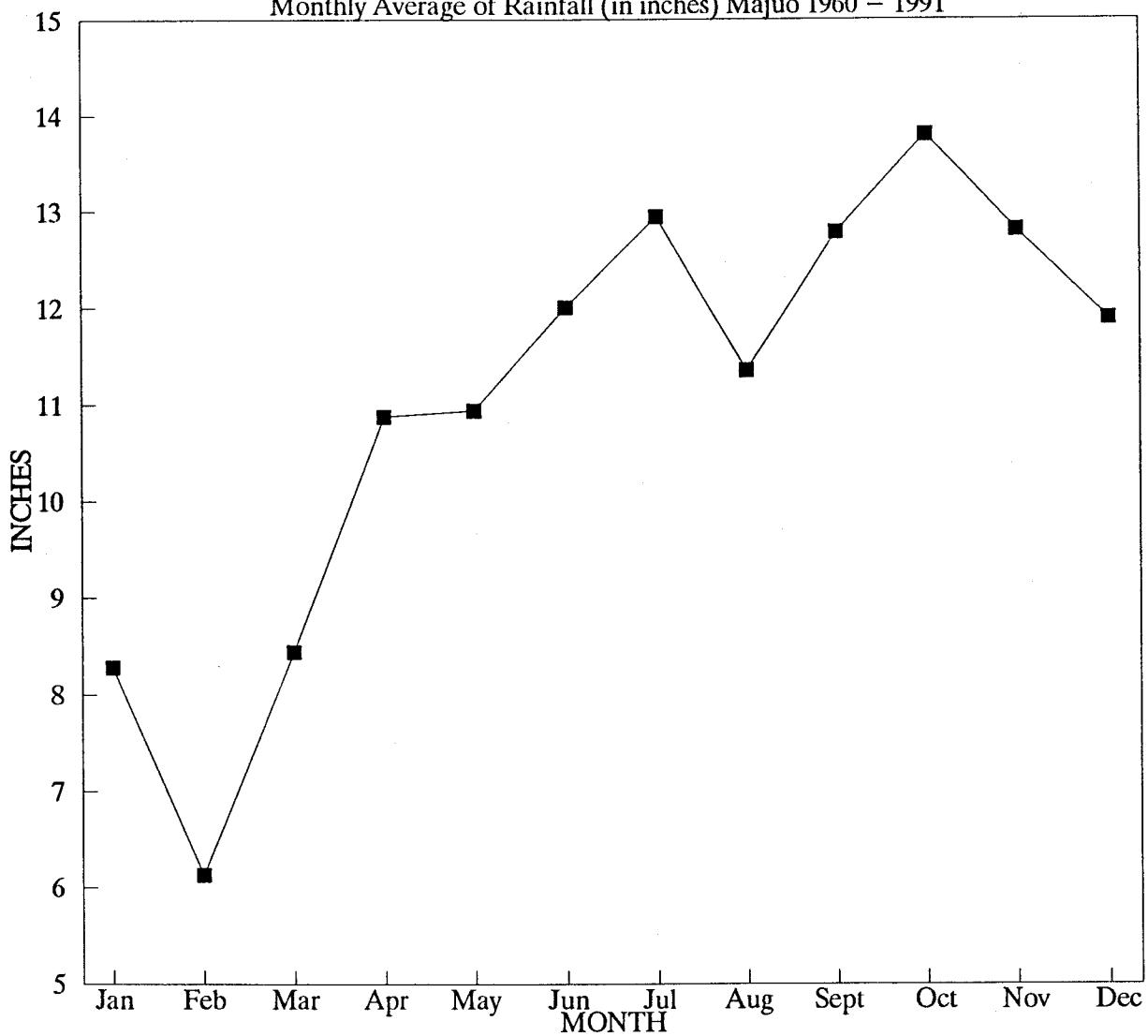


TABLE 1.4

MONTHLY AVERAGE TEMPERATURE IN DEGREES FAHRENHEIT, MAJURO, 1959 - 1991.

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual Ave.
1959	81.2	80.9	81.5	80.5	82.0	81.1	81.3	82.2	81.4	81.4	81.1	80.6	81.3
1960	81.0	81.6	81.5	80.2	80.6	80.6	81.1	81.2	81.7	82.3	81.8	81.7	81.3
1961	81.3	81.8	82.6	81.7	81.5	81.2	81.5	81.3	81.1	81.9	81.4	80.9	81.5
1962	80.9	81.6	80.7	81.7	82.2	81.3	81.2	81.8	81.0	81.5	80.7	81.5	81.3
1963	80.5	80.5	80.7	82.1	82.3	81.8	81.7	82.2	82.8	81.7	81.8	81.3	81.6
1964	81.8	81.6	81.3	81.4	81.1	80.7	80.8	80.8	80.5	80.7	80.7	80.8	81.0
1965	80.2	80.5	81.5	81.3	81.0	81.2	80.7	82.1	81.3	81.4	81.0	80.8	81.1
1966	81.0	81.3	81.3	80.7	81.7	81.7	81.9	82.5	81.8	81.9	81.2	80.9	81.5
1967	81.0	80.8	80.2	81.2	82.0	81.3	81.4	82.2	82.0	81.4	81.2	81.5	81.4
1968	81.1	81.4	80.3	80.6	80.8	81.1	80.9	81.4	81.8	81.1	81.1	80.6	81.0
1969	80.1	81.1	81.0	80.7	81.5	81.2	80.5	81.6	81.5	82.4	82.0	81.3	81.2
1970	81.2	82.0	82.0	82.1	81.5	80.7	81.1	80.8	81.1	80.6	81.2	80.6	81.3
1971	80.6	80.9	80.9	79.5	80.0	80.2	80.5	80.1	80.8	80.5	81.1	80.5	80.5
1972	80.2	80.9	80.8	80.8	81.2	81.5	80.9	81.2	81.3	80.9	81.7	80.8	81.0
1973	80.9	81.8	81.6	81.3	80.6	80.8	80.9	80.8	80.2	80.5	80.7	81.1	80.9
1974	79.9	80.8	80.8	80.5	80.8	80.6	80.7	81.0	80.9	81.0	80.9	80.3	80.7
1975	80.4	81.0	80.7	80.2	80.5	79.7	79.7	79.9	80.0	78.8	79.4	79.5	80.0
1976	79.4	79.4	79.6	79.5	80.0	80.0	80.0	80.7	80.4	81.4	80.2	80.1	80.1
1977	80.3	81.3	81.5	80.5	80.1	81.2	80.9	81.2	82.4	81.1	81.2	81.1	81.1
1978	81.2	81.1	81.5	80.9	80.5	80.9	80.4	81.5	81.6	81.2	80.6	80.3	81.0
1979	81.2	81.0	81.6	79.7	80.9	81.5	81.5	80.9	82.0	82.1	81.8	81.7	81.3
1980	81.4	81.3	81.3	81.6	81.5	81.9	81.5	81.5	81.7	82.2	81.9	81.0	81.6
1981	81.4	81.5	81.0	80.9	81.4	82.0	80.8	81.4	82.0	82.0	81.0	80.6	81.3
1982	80.5	80.7	80.5	81.8	81.3	81.3	81.1	81.3	81.4	82.0	81.4	80.2	81.1
1983	80.1	80.5	81.4	82.2	83.0	81.4	81.3	82.2	81.8	80.9	81.0	80.3	81.3
1984	80.6	80.6	80.0	81.9	81.5	80.3	80.6	81.8	81.2	80.8	80.6	80.9	81.0
1985	80.8	80.3	80.7	79.8	81.1	80.4	80.7	80.4	81.5	81.4	81.5	80.9	80.8
1986	81.1	81.9	80.3	81.1	81.7	81.1	81.7	81.8	81.8	82.1	81.9	80.5	81.4
1987	80.6	80.7	81.0	81.8	81.5	81.1	80.9	82.1	81.8	82.2	81.8	81.2	81.4
1988	80.9	81.9	81.8	82.1	81.8	81.3	81.1	81.4	80.6	80.3	81.2	80.4	81.2
1989	80.5	80.3	80.6	80.5	80.8	81.0	80.5	80.9	81.1	81.6	81.4	82.0	80.9
1990	81.2	81.6	82.0	81.9	81.1	81.6	81.4	81.7	81.8	81.7	81.8	80.4	81.6
1991	80.1	81.4	79.6	80.3	81.1	80.9	81.3	81.4	81.1	81.8	81.0	81.0	80.9
Mean.....	80.8	81.1	81.1	81.0	81.3	81.0	81.0	81.4	81.4	81.3	81.2	80.8	81.1
Maximum (Mon.Ave)	81.8	82.0	82.6	82.2	83.0	82.0	81.9	82.5	82.8	82.4	82.0	81.7	81.6
Minimum (Mon.Ave)	79.4	79.4	79.6	79.5	80.0	79.7	79.7	79.9	80.0	78.8	79.4	79.5	80.0

Source: Majuro Weather Station.

FIGURE - 3

MONTHLY AVERAGE OF TEMPERATURE IN DEGREES  
FARENHEIT,MAJURO 1960 - 1991

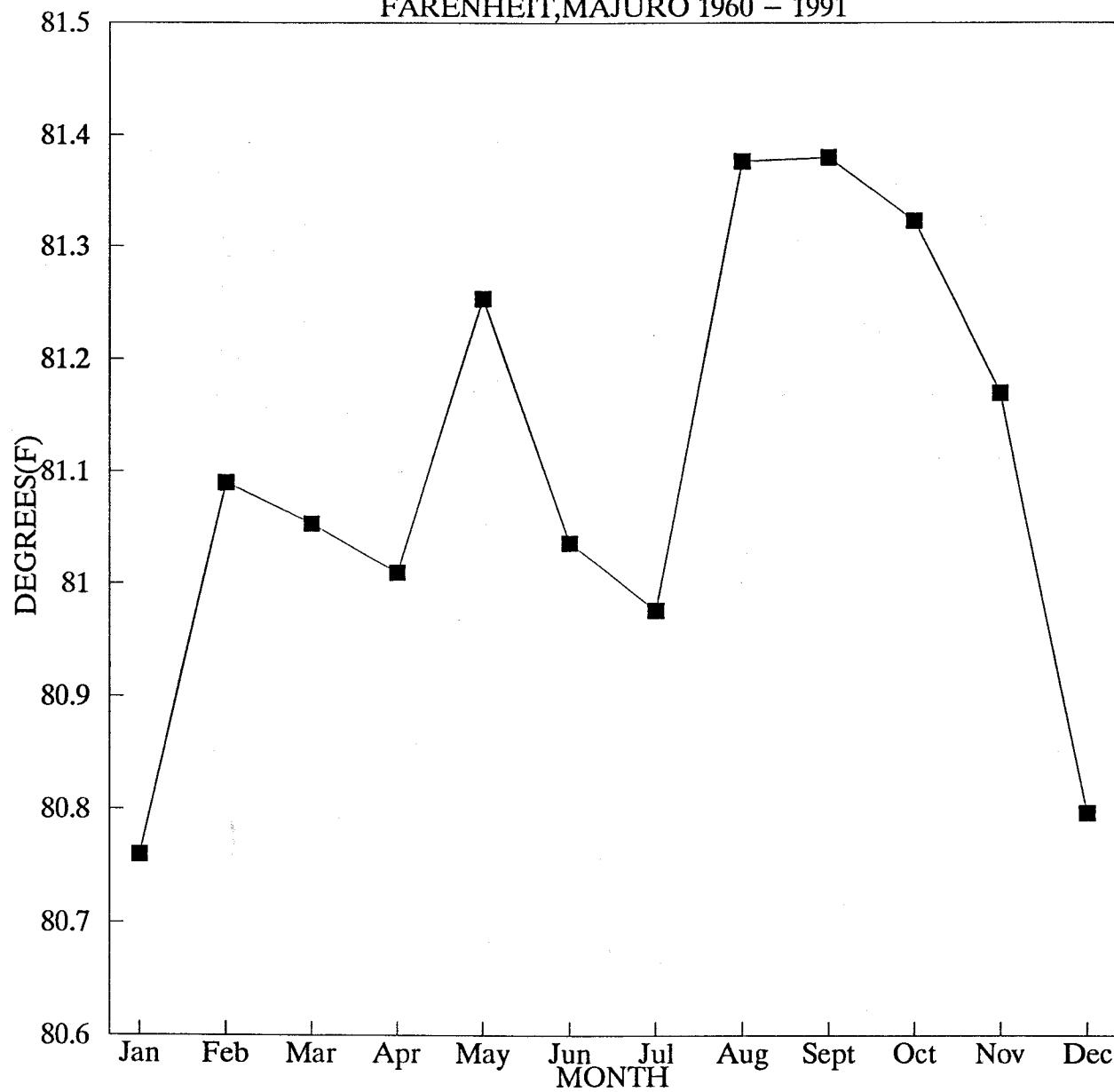


TABLE: 1.5

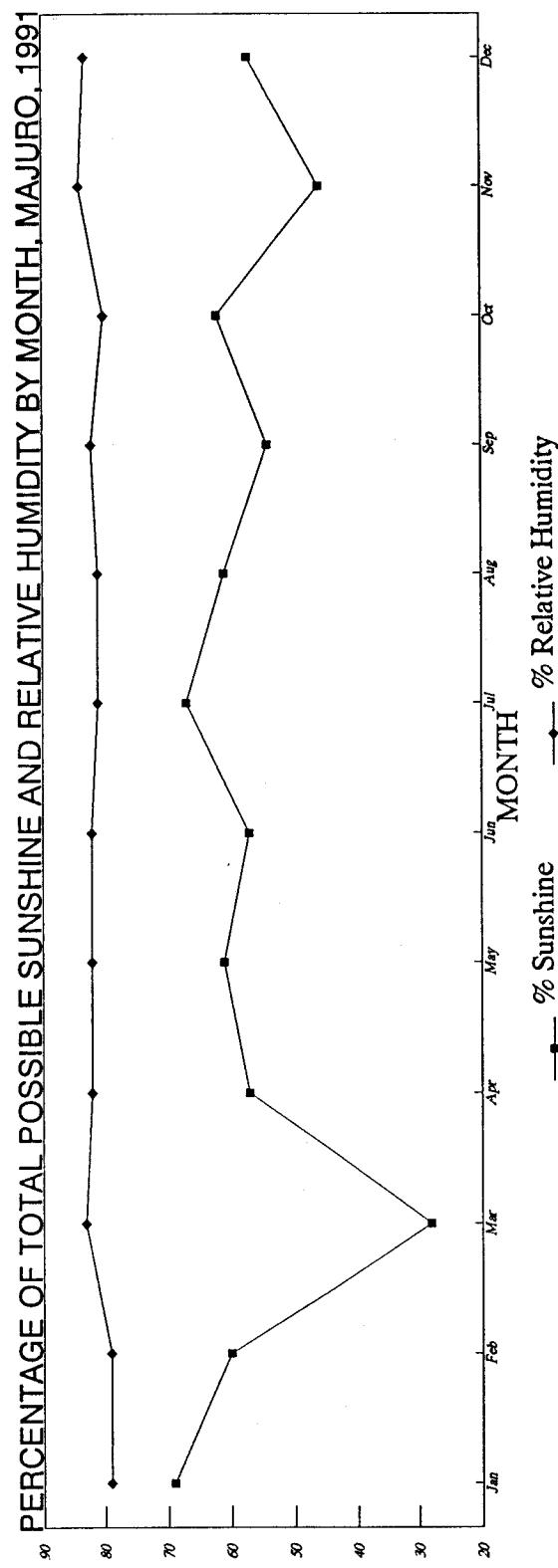
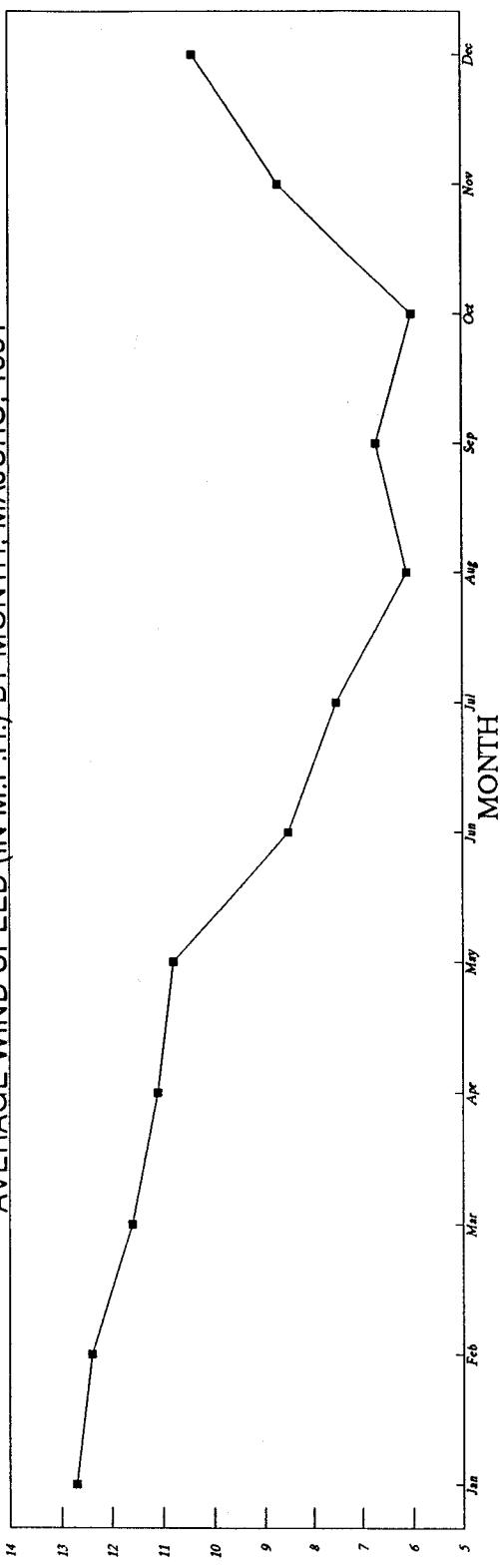
AVERAGE WIND SPEED (IN M.P.H.), PREVAILING DIRECTION OF WIND, PERCENTAGE OF TOTAL POSSIBLE SUNSHINE AND RELATIVE HUMIDITY BY MONTH, MAJURO, 1989, 1990 AND 1991

Month	1989			1990			1991			
	Average Speed	Prevailing Direction	Percentage Sunshine	Average Humidity	Prevailing Direction	Percentage Sunshine	Average Humidity	Prevailing Direction	Percentage Sunshine	Relative Humidity
January	13.3	7	66	81	15.1	58	65	76	12.7	60
February	11.7	7	63	81	10.3	57	94	79	12.4	60
March	11.5	7	67	79	12.8	63	91	80	11.6	70
April	12.4	7	62	82	12.5	63	79	79	11.1	70
May	12.9	7	63	84	12	66	51	83	10.8	70
June	10.8	7	61	82	10	68	73	81	8.5	70
July	9.3	7	52	83	8.3	70	55	80	7.5	70
August	7.6	8	73	82	7.4	66	52	80	6.1	80
September	6.3	7	73	81	6.1	66	52	80	6.7	80
October	6.8	8	52	81	5.9	73	71	80	6	34
November	7.7	9	51	81	6.1	170	59	80	8.7	70
December	11.9	6	73	79	9.6	68	65	81	10.4	60

Note : Directions of winds are those from which the wind blows, indicated in tens of degrees from true North: i.e., 9 for East, 18 for South, 27 for West.

Source : Majuro Weather Station.

FIGURE -4  
AVERAGE WIND SPEED (IN M.P.H.) BY MONTH, MAJURO, 1991



## **SECTION 2**

### **2. POPULATION**

**2.1. DEMOGRAPHIC CHANGE**

**2.2. RESIDENT POPULATION**

**2.3. INTERNAL MIGRATION**

**2.4. REGISTERED BIRTHS AND DEATHS**

**2.5. ESTIMATED FERTILITY AND MORTALITY**

**2.6. PROJECTIONS OF POPULATIONS**

## **2. Population**

The total population counted in the week following census night, November 13, 1988, in the Marshall Islands was 43,380. This meant a sharp increase from eight years before, when 30,873 people were counted. This would mean an intercensal average annual growth rate of 4.17%. However, since the two censuses are incompatible in their counting methods (1988, 'De Facto' and 1980 'De Jure') as well as suspected inconsistencies in the 1980 Census, the annual growth rate used by the Office of Planning and Statistics is the one calculated between 1973 and 1988, 3.8% per annum. Almost half of the population lives in the capital, Majuro Atoll, while another 19% lives on Ebeye Island in Kwajalein Atoll. The mid year population estimate for 1991 is 49,969 people. The projected population for the year 2000 is 68,415 people.

Total fertility for 1989 was estimated as being 7.21 and from the age specific fertility rates an estimated 2,163 births occurred during 1989 while 1,429 births were registered (66%). Life expectancy at birth in 1989 was estimated as being 63.0 and 60.0 for females and males respectively. From the life tables 391 deaths were predicted, while 151 were registered (39%).

Mobility in the Marshall Islands is high. In 1988, 20,512 people out of 43,380 lived on another atoll before they moved to the atoll where they were enumerated. Collection of data at this moment does not provide for the monitoring of international migration.

TABLE : 2.1

RESIDENT POPULATION OF THE REPUBLIC OF THE MARSHALL ISLANDS  
BY SEX. SELECTED YEARS 1920 - 1992.

YEAR		MALE	FEMALE	TOTAL
1920	Census Year	5,196	4,604	9,800
1925	Census Year	5,030	4,614	9,644
1930	Census Year	5,505	4,907	10,412
1935	Census Year	5,480	4,966	10,446
1954		6,808	6,412	13,220
1958	Census Year	7,175	6,753	13,928
1960		7,607	7,300	14,907
1965		9,042	9,020	18,062
1967	Census Year	9,658	9,267	18,925
1970		11,310	10,770	22,080
1973	Census Year	12,335	11,800	24,135
1977	Survey	13,830	13,270	27,100
1980	Census Year	15,851	15,022	30,873
1988	Census Year	22,181	21,199	43,380
1989	Projections	22,698	21,709	44,407
1990	Projections	23,598	22,590	46,188
1991	Projections	24,532	23,509	48,041
1992	Projections	25,508	24,461	49,969

## Notes:

1) The figures for 1920, 1925, 1930, and 1935 are related to counts as of October 1st. and were collected and tabulated by Japanese Administration.

2) Figures for 1967, 1973, 1980 and 1988 are actual census counts:  
April 1, 1967 (collected by Peace Corps); September 18, 1973 (TTPI Census),  
September 15, 1980 (USBC Census) and November 13, 1988 which was conducted by  
Office of Planning and Statistics, RMI. For other years prior to 1970,  
the numbers are estimated based on partial census counts,  
summaries of administrative records or a combination of these methods.  
Total population from 1989 to 1992 refers to mid year.

3) Figures do not include residents of United States Army Kwajalein Atoll.

Sources: - Quarterly Bulletin of Statistics, TTPI, 1980.

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- 1980 Census of Population, TTPI, U.S. Bureau of Census.
- 1988 Census of Population, O.P.S., Majuro.

**TABLE : 2.2**  
**ENUMERATED POPULATION AT CENSUSES, INTERCENSAL INCREASE**  
**AND AVERAGE ANNUAL GROWTH RATE, 1920 - 1988.**

Census Year	POPULATION			Intercensal Increase No.	%	Average Annual Growth Rate
	Male	Female	Both Sexes			
1920	5,196	4,604	9,800	-	-	-
1925	5,030	4,614	9,644	-156	-1.59	-0.32
1930	5,505	4,907	10,412		7.96	1.53
1935	5,480	4,966	10,446	24	0.33	0.07
1958	4,148	6,753	13,928	3,482	33.33	1.25
1967	9,658	9,267	18,925	4,997	35.88	3.40
1973	12,335	11,800	24,135	5,210	27.53	3.76
1980	15,851	15,022	30,873	6,738	27.92	3.52
1988	22,181	21,199	43,380	12,507	40.51	4.17

Source: - Quarterly Bulletin of Statistics, TTPI, 1980, Vol.III,  
 No.2.

- 1980 Census of Population, TTPI, U.S. Bureau of Census.
- 1988 Census of Population and Housing, OPS, Majuro.

TABLE : 2.3

POPULATION BY ATOLL/ISLAND - CENSUS YEARS 1958, 1967, 1973, 1980 AND 1988

ATOLL/ISLAND	Years				
	1958	1967	1973	1980	1988
AILINGLAPLAP	1,288	1,195	1,100	1,385	1,715
AILUK	419	384	335	413	488
ARNO	1,037	1,273	1,120	1,487	1,656
AUR	241	361	300	444	438
BIKINI	-	-	75	-	10
EBON	819	836	740	887	741
ENEWETAK	-	-	-	542	715
JABAT	-	-	70	72	112
JALUIT	1,098	1,113	925	1,450	1,709
KILI	267	309	360	489	602
KWAJALEIN	1,284	3,540	5,469	6,624	9,311
LAE	165	131	154	237	319
LIB	44	142	98	98	115
LIKIEP	636	430	406	481	482
MAJURO	3,415	5,249	10,290	11,791	19,664
MALOELAP	454	494	432	614	796
MEJIT	346	320	271	325	445
MILI	412	582	538	763	854
NAMORIK	523	547	431	617	814
NAMU	482	597	493	654	801
RONGELAP	264	189	165	235	-
UJAE	167	191	209	309	448
UJELANG	172	251	342	-	-
UTIRIK	198	269	217	336	409
WOTHO	71	-	61	85	90
WOTJE	361	396	425	535	646
NOT SPECIFIED	-	-	19	-	-
<b>TOTAL</b>	<b>14,163</b>	<b>18,799</b>	<b>25,045</b>	<b>30,873</b>	<b>43,380</b>

Source:

1. Census figures up to 1973 - Quarterly Bulletin of Statistics,  
TTPI, Vol. III, No. 2.
2. 1980 - Census of Population - US Bureau of the Census.
3. 1988 - Census of Population and Housing, OPS, Marshall Islands.  
(Final Report)

**TABLE : 2.4**  
**INTERCENSAL INCREASE AND AVERAGE ANNUAL GROWTH RATES**  
**FOR ATOLLS/ISLANDS - 1980 AND 1988 CENSUSES**

Atoll/ Island	Population		Inter- censal Increase Number	%	Average Annual Growth
	1980 Census	1988 Census			
Ailinglaplap	1,385	1,715	330	23.8	2.62
Ailuk	413	488	75	18.2	2.05
Arno	1,487	1,656	169	11.4	1.32
Aur	444	438	-6	-1.4	-0.17
Bikini		10	10	-	-
Ebon	887	741	-146	-16.5	-2.21
Enewetak	542	715	173	31.9	3.40
Jabat	72	112	40	55.6	5.42
Jaluit	1,450	1,709	259	17.9	2.02
Kili	489	602	113	23.1	2.55
Kwajalein	6,624	9,311	2,687	40.6	4.18
Lae	237	319	82	34.6	3.65
Lib	98	115	17	17.3	1.96
Likiep	481	482	1	0.2	0.03
Majuro	11,791	19,664	7,873	66.8	6.28
Maloelap	614	796	182	29.6	3.19
Mejit	325	445	120	36.9	3.86
Mili	763	854	91	11.9	1.38
Namorik	617	814	197	31.9	3.40
Namu	654	801	147	22.5	2.49
Rongelap	235	-	-235	-	-
Ujae	309	448	139	45.0	4.56
Ujelang	-	-	-	-	-
Utrik	336	409	73	21.7	2.41
Wotho	85	90	5	5.9	0.70
Wotje	535	646	111	20.7	2.31
Marshall Islands	30,873	43,380	12,507	40.5	4.17

Source : -1980 Census of Population, TTPI, US Bureau of the Census.  
-1988 Census of Population and Housing, Final Report, Office  
of Planning and Statistics, Majuro, RMI.

TABLE : 2.5  
MARSHALL ISLANDS POPULATION BY SINGLE YEAR OF AGE, 1988.

	Both Sexes	Male	Female		Both Sexes	Male	Female
TOTAL	43,380	22,181	21,199	Age			
0	1,766	931	835	44	264	133	131
1	1,826	919	907	45	226	129	97
2	1,726	878	848	46	234	128	106
3	1,668	850	818	47	159	82	77
4	1,665	845	820	48	187	110	77
5	1,659	839	820	49	165	100	65
6	1,562	788	774	50	159	83	76
7	1,449	746	703	51	148	79	69
8	1,562	801	761	52	151	87	64
9	1,377	710	667	53	160	74	86
10	1,280	673	607	54	125	63	62
11	1,203	602	601	55	135	67	68
12	1,176	621	555	56	118	60	58
13	1,143	601	542	57	111	55	56
14	1,074	558	516	58	183	107	76
15	922	459	463	59	133	70	63
16	862	445	417	60	181	89	92
17	746	394	352	61	118	59	59
18	844	445	399	62	110	55	55
19	711	361	350	63	128	60	68
20	724	359	365	64	98	50	48
21	706	329	377	65	119	51	68
22	681	319	362	66	111	59	52
23	683	313	370	67	107	45	62
24	716	366	350	68	123	67	56
25	610	302	308	69	84	33	51
26	619	317	302	70	107	52	55
27	560	269	291	71	74	38	36
28	652	331	321	72	64	33	31
29	586	301	285	73	58	29	29
30	570	296	274	74	70	31	39
31	499	268	231	75	39	16	23
32	521	229	292	76	46	19	27
33	520	270	250	77	45	25	20
34	546	285	261	78	43	27	16
35	478	280	198	79	28	10	18
36	499	272	227	80	26	9	17
37	322	156	166	81	19	7	12
38	469	255	214	82	7	4	3
39	419	242	177	83	17	5	12
40	386	202	184	84	18	4	14
41	306	146	160	85	11	6	5
42	288	148	140	86	11	6	5
43	248	129	119	87	16	8	8
				88	15	7	8

Source : Census of Population and Housing, Office of Planning and Statistics' 1988

TABLE: 2.6  
AGE - SEX DISTRIBUTION BY FIVE YEAR AGE GROUPS. MARSHALL ISLANDS, 1989 - 1992 (PROJECTIONS)

Age Groups	1989			1990			1991			1992		
	Both Sexes	Male	Female									
0- 4	9,225	4,730	4,495	9,381	4,886	4,495	9,868	5,044	4,824	10,205	5,210	4,995
5- 9	7,377	3,782	3,595	7,701	3,945	3,756	8,036	4,113	3,923	8,372	4,282	4,090
10-14.	5,868	3,016	2,852	6,139	3,154	2,985	6,413	3,291	3,122	6,698	3,433	3,265
15-19	4,508	2,284	2,224	4,752	2,418	2,334	5,012	2,560	2,452	5,279	2,705	2,574
20-24	3,546	1,763	1,783	3,688	1,838	1,850	3,849	1,924	1,925	4,029	2,021	2,008
25-29	3,020	1,496	1,524	3,090	1,528	1,562	3,169	1,566	1,603	3,260	1,612	1,648
30-34	2,643	1,346	1,297	2,708	1,368	1,340	2,770	1,389	1,381	2,833	1,411	1,422
35-39	2,178	1,146	1,032	2,271	1,187	1,084	2,358	1,224	1,134	2,440	1,258	1,182
40-44	1,616	865	751	1,721	919	802	1,826	972	854	1,928	1,022	906
45-49	1,091	590	501	1,176	635	541	1,268	683	585	1,366	734	632
50-54	771	414	357	808	435	373	855	461	394	910	491	419
55-59	669	347	322	668	349	319	673	354	319	683	362	321
60-64	629	315	314	626	315	311	622	315	307	618	315	303
65-69	532	260	272	541	265	276	547	269	278	550	272	278
70-74	370	176	194	385	184	201	399	192	207	412	199	213
75-79	216	104	112	222	106	116	230	109	121	240	114	126
80+	148	64	84	147	66	81	146	66	80	146	67	79
Total	44,407	22,698	21,709	46,024	23,598	22,426	48,041	24,532	23,509	49,969	25,508	24,461

Source: Census of Population and Housing, Office of Planning and Statistics, 1988

TABLE : 2.7 (a)  
AGE - SEX DISTRIBUTION FOR ATOLLS / ISLANDS BY FIVE-YEAR AGE GROUPS, 1988.

Both Sexes :	TOTAL	Age Groups															
		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+
TOTAL	43,380	8,651	7,609	5,876	4,085	3,510	3,027	2,656	2,187	1,492	971	743	680	635	544	373	341
Ailinglaplap	1,715	398	357	289	107	100	95	115	70	51	24	18	20	21	18	18	14
Ailuk	488	104	108	69	29	38	31	27	12	14	9	13	8	7	11	2	6
Arno	1,656	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
Jaluit	1,709	346	311	264	217	103	94	77	75	52	30	30	25	21	26	17	21
Kili	602	131	117	60	27	53	53	51	25	17	18	9	11	12	9	5	4
Kwajalein	9,311	1,927	1,606	1,249	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	68	28	35	29	31	23	14	10	3	8	12	8	8	10
Majuro	19,664	3,624	3,061	2,504	2,184	1,668	1,417	1,248	1,043	713	498	393	363	346	260	192	150
Maloelap	796	160	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	16	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	161	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	18	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

TABLE : 2.7 (b)  
AGE - SEX DISTRIBUTION FOR ATOLLS / ISLANDS BY FIVE-YEAR AGE GROUPS, 1988 (Continued).

Males :	TOTAL	Age Groups															
		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+
TOTAL	22,181	4,423	3,884	3,055	2,104	1,686	1,520	1,348	1,205	758	549	386	359	313	255	183	153
Ailinglaplap	875	206	185	143	57	44	51	63	35	26	11	7	13	12	8	8	6
Ailuk	242	42	60	33	15	23	14	18	5	6	4	8	4	3	5	1	1
Arno	858	205	182	128	59	61	50	34	43	19	12	12	12	10	11	11	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	68	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	-	-
Jaluit	870	161	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	4,683	951	798	644	406	366	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	1,871	1,575	1,291	1,103	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	96	84	73	32	23	25	12	20	11	7	6	4	12	4	2	3
Nartru	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	3	3	1	1	1	-
Utiik	217	51	36	31	19	16	8	16	11	5	6	2	2	2	6	4	4
Wotho	47	4	7	11	2	7	4	2	2	2	1	2	1	-	1	1	-
Wotje	338	75	56	46	35	28	27	21	13	11	10	3	2	4	4	3	-

(Cont'd)

TABLE : 2.7 (c)  
AGE - SEX DISTRIBUTION FOR ATOLLS / ISLANDS BY FIVE-YEAR AGE GROUPS, 1988 (Conclusion).

Females :	TOTAL	Age Groups															
		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+
TOTAL	21,199	4,228	3,725	2,821	1,981	1,824	1,507	1,308	982	734	422	357	321	322	289	190	188
Ailinglaplap	840	192	172	146	50	56	44	52	35	13	11	7	9	10	10	8	
Aituk	246	62	48	36	14	15	17	9	7	8	5	5	4	4	6	1	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
Jaluit	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	976	808	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	1,753	1,486	1,213	1,081	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	4	3	2	3	3	9
Uiae	205	56	43	28	6	20	11	18	7	6	1	2	4	-	2	1	-
Utirik	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
Watje	308	64	73	52	26	24	18	6	14	7	6	2	2	5	1	2	6

Source : 1988 Census of Population and Housing, OPS.

TABLE : 2.8  
AGE DISTRIBUTION FOR ATOULLS / ISLANDS BY BROAD AGE GROUPS AND DEPENDENCY RATIO, 1988 AND 1980.

Both Sexes :	1988						1980					
	Age Groups			Dependency Ratio			Total	Age Groups			Dependency Ratio	
	Total	0-14	15-65	65+	0-14	15-65	65+	0-14	15-65	65+	0-14	15-65
<b>TOTAL</b>	43,380	22,136	19,986	1,253	1.17	30,873	15,579	14,330	964	-	1.15	1.15
Ailinglaplap	1,715	1,044	621	50	1.76	1,385	767	565	53	-	1.45	1.45
Aituk	488	281	188	19	1.60	413	216	185	12	-	1.23	1.23
Arno	1,656	972	628	56	1.64	1,487	815	624	48	-	1.38	1.38
Aur	438	242	186	10	1.35	444	238	194	12	-	1.29	1.29
Bikini	10	0	10	0	0.00	-	-	-	-	-	-	-
Ebon	741	443	266	32	1.79	887	463	376	48	-	1.36	1.36
Enewetak	715	375	323	17	1.21	542	275	257	10	-	1.11	1.11
Jabat	112	62	44	6	1.55	72	42	26	4	-	1.77	1.77
Jaluit	1,709	921	724	64	1.36	1,450	766	612	72	-	1.37	1.37
Kili	602	308	276	18	1.18	489	228	247	14	-	0.98	0.98
Kwajalein	9,311	4,782	4,341	188	1.14	6,624	3,366	3,123	135	-	1.12	1.12
Lae	319	185	127	7	1.51	237	132	99	6	-	1.39	1.39
Lib	115	62	50	3	1.30	98	54	43	1	-	1.28	1.28
Likiep	482	263	193	26	1.50	481	247	212	22	-	1.27	1.27
Majuro	19,664	9,189	9,873	602	0.99	11,791	5,557	5,882	352	-	1.00	1.00
Maioletap	796	435	341	20	1.33	614	331	267	16	-	1.30	1.30
Mejit	445	241	188	16	1.37	325	176	130	19	-	1.50	1.50
Mili	854	485	339	30	1.52	763	396	336	31	-	1.27	1.27
Namorik	814	495	294	25	1.77	617	377	215	25	-	1.87	1.87
Namu	801	440	339	22	1.36	654	328	309	17	-	1.12	1.12
Rongelap	-	-	-	-	-	-	235	135	91	-	1.58	1.58
Ujae	448	275	168	5	1.67	309	171	125	13	-	1.47	1.47
Utirik	409	222	165	22	1.48	336	161	155	20	-	1.17	1.17
Wotcho	90	48	38	4	1.37	85	53	31	1	-	1.74	1.74
Wotje	646	366	264	16	1.45	535	285	226	24	-	1.37	1.37

Source :- 1980 Census of Population, TTPI, US Bureau of Census.  
- 1988 Census of Population and Housing, OPS, Majuro.

**TABLE : 2.9**  
**LAND AREA AND POPULATION DENSITY BY ATOLL AND ISLAND**

ATOLL/ISLAND	Land Area Sq. Mile	Population Density (Per Square Mile)		
		1973	1980	1988
Ailinglaplap	5.67	194.0	244.3	302.0
Ailuk	2.07	164.2	199.2	236.0
Arno	5.00	224.0	297.4	332.0
Aur	2.17	138.2	204.6	202.0
Bikini	2.32	32.3	0.0	4.0
Ebon	2.22	333.3	349.5	334.0
Enewetak	2.26	0.0	239.8	316.0
Jabat	0.22	318.2	327.3	509.0
Jaluit	4.38	211.2	331.1	390.0
Kili	0.36	1,000.0	1,358.3	1,672.0
Kwajalein	6.33	864.0	1,046.4	2,357.0
Lae	0.56	275.0	423.2	570.0
Lib	0.36	272.2	272.2	319.0
Likiep	3.96	102.5	121.5	122.0
Majuro	3.75	2,744.0	3,144.3	5,244.0
Maloelap	3.75	114.0	162.0	210.0
Mejit	3.79	376.0	451.4	618.0
Mili	6.15	87.5	124.1	139.0
Namorik	1.07	402.8	576.6	761.0
Namu	2.42	203.7	270.2	331.0
Rongelap	3.07	53.7	76.5	-
Ujae	0.72	290.3	429.2	622.0
Ujelang	0.67	510.4	0.0	-
Utirik	0.94	230.9	357.4	435.0
Wotho	1.67	36.5	50.4	54.0
Wotje	3.16	134.5	169.3	204.0

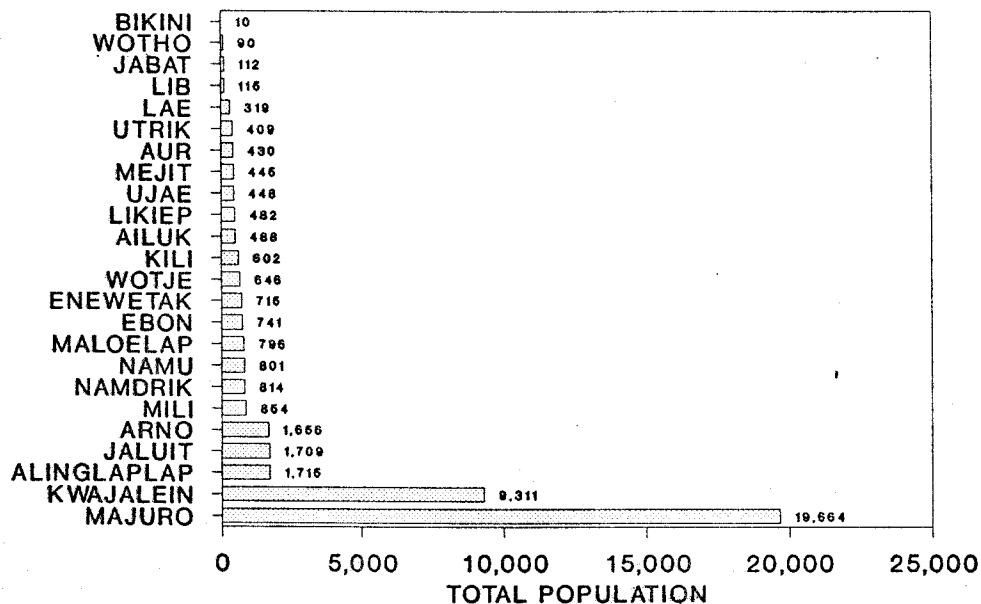
Source: Statistical Bulletin, Vol III. No. 2. 1973.

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

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

FIGURE - 5  
TOTAL POPULATION BY ATOLL/ISLAND, 1988

ATOLL/ISLAND



POPULATION DENSITY BY ATOLL/ISLAND, 1988

ATOLL/ISLAND

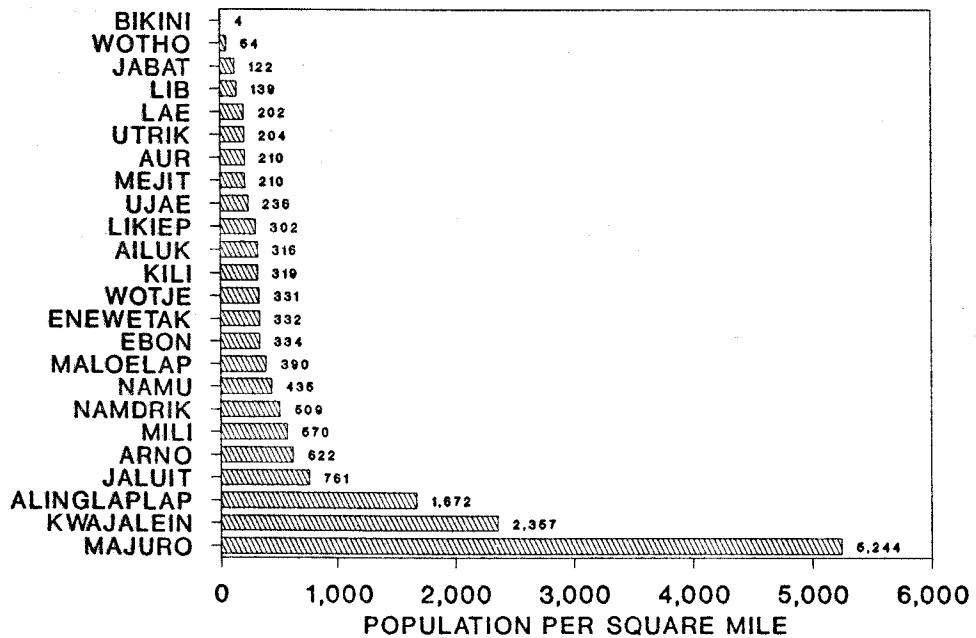


TABLE : 2.10  
POPULATION AND POPULATION DENSITY (IN SQUARE MILES) BY RURAL AND URBAN AREAS, 1973, 1980  
AND 1988.

	1973			1980			1988		
	Number	Percentage	Density	Number	Percentage	Density	Number	Percentage	Density
URBAN									
MAJURO, D.U.D.	8,003	52.41	15,600	8,583	47.78	16,731	14,649	52.96	28,556
KWAJALEIN, EBEEYE	5,124		42,700	6,169		51,408	8,324		59,457
RURAL	11,918	47.59	172	16,121	52.22	232	20,407	47.04	294
TOTAL	25,045	100.00		30,873	100.00		43,380	100.00	

Note : Land areas are approximate.  
D.U.D. is Djarrit, Uliga and Dalap.

Sources : - 1973 Census of Population, TTP!  
- 1980 Census of Population, US Bureau of Census.  
- 1988 Census of Population and Housing, OPS, RMI.

**TABLE : 2.11**  
**POPULATION, PERCENTAGE 18 YEAR AND OVER AND MEDIAN  
 AGE OF POPULATION BY ATOLLS/ISLANDS, CENSUS - 1988**

Atoll/Island	Total Population	Percentage 18 years and over	Median Age
Marshall Islands	43,380	43.1	14.0
Ailinglaplap	1,715	35.2	11.0
Ailuk	488	39.5	12.0
Arno	1,656	37.4	11.0
Aur	438	39.5	13.0
Bikini	10	-	32.0
Ebon	741	36.8	12.0
Enewetak	715	43.9	13.0
Jabat	112	39.3	11.0
Jaluit	1,709	36.9	13.0
Kili	602	46.2	14.0
Kwajalein	9,311	43.7	14.0
Lae	319	37.6	11.0
Lib	115	56.5	13.0
Likiep	482	42.3	13.0
Majuro	19,664	46.1	16.0
Maloelap	796	40.1	12.0
Mejit	445	43.1	12.0
Mili	854	38.3	12.0
Namorik	814	35.1	11.0
Namu	801	39.2	12.0
Ujae	448	36.2	11.0
Ujelang	-	-	-
Utirik	409	42.5	13.0
Wotho	90	43.3	13.0
Wotje	646	38.2	12.0

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

**TABLE : 2.12**  
**POPULATION, PERCENTAGE 18 YEAR AND OVER AND MEDIAN  
 AGE OF POPULATION BY ATOLLS/ISLANDS, CENSUS - 1980**

Atoll/Island	Total Population	Percentage 18 years and over	Median Age
Marshall Islands	30,873	43.5	14.8
Ailinglaplap	1,385	40.1	12.4
Ailuk	413	42.9	14.3
Arno	1,487	40.4	12.7
Aur	444	39.0	13.7
Bikini	-	-	-
Ebon	887	42.4	13.9
Enewetak	542	43.9	14.7
Jabat	72	36.1	13.7
Jaluit	1,450	41.7	13.9
Kili	489	46.4	16.5
Kwajalein	6,624	44.1	14.6
Lae	237	37.6	13.2
Lib	98	37.8	13.0
Likiep	481	42.4	14.2
Majuro	11,791	45.6	16.2
Maloelap	614	41.4	13.6
Mejit	325	42.8	12.9
Mili	763	41.9	13.9
Namorik	617	34.7	11.3
Namu	654	42.7	14.9
Rongelap	235	39.6	11.6
Ujae	309	38.8	13.6
Ujelang	-	-	-
Utirik	336	45.8	16.1
Wotho	85	35.3	10.6
Wotje	535	40.2	13.5

Source: Census of Population, 1980. U.S. Bureau of Census.

TABLE : 2.13

MIGRATION BETWEEN ATOLLS/ISLANDS, 1980 - 1988 (Based on information of previous residence and duration of residence).

Atoll/Island	Population Enumerated in Atoll/Island	In Migration	Out Migration	Gross Migration	Net Migration	Migration Effectiveness Ratio
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Ailinglaplap	1,715	447	520	967	-73	-7.5
Ailuk	488	72	153	225	-81	-36.0
Arno	1,656	344	610	954	-266	-27.9
Aur	438	110	200	310	-90	-29.0
Bikini.	10	8	12	20	-4	-20.0
Ebon	741	133	427	560	-294	-52.5
Enewetak	715	251	166	417	85	20.4
Jabat	112	58	30	88	28	31.8
Jaluit	1,709	490	726	1,216	-236	-19.4
Kili	602	100	126	226	-26	-11.5
Kwajalein	9,311	1,725	1,538	3,263	187	5.7
Lae	319	68	74	142	-6	-4.2
Lib	115	35	76	111	-41	-36.9
Likiep	482	136	219	355	-83	-23.4
Majuro	19,664	4,718	3,289	8,007	1,429	17.8
Maloelap	796	177	227	404	-50	-12.4
Mejit	445	115	173	288	-58	-20.1
Mili	854	497	331	828	166	20.0
Namorik	814	142	289	431	-147	-34.1
Namu	801	163	240	403	-77	-19.1
Rongelap	-	-	269	269	-269	-100.0
Ujae	448	166	104	270	62	23.0
Ujelang	-	-	41	41	-41	-100.0
Utirik	409	78	131	209	-53	-25.4
Wotho	90	26	41	67	-15	-22.4
Wotje	646	197	244	441	-47	-10.7
Total	43,380	10,256	10,256	20,512		

Note : Migration Effectiveness Ratio = (col(6)/col(5))\*100.

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

TABLE : 2.14  
IN AND OUT MIGRATION TO AND FROM MAJURO FOR TWO YEAR INTERVALS, NOV. 1978 - OCT. 1988 BY AGE GROUP AND SEX  
(INTERNAL MIGRATION ONLY).

Age Group	PERIOD																			
	Nov. '86 - Oct. '88			Nov. '84 - Oct. '86			Nov. '82 - Oct. '84			Nov. '80 - Oct. '82			Nov. '78 - Oct. '80							
	Sex		Males	Females	Sex		Males	Females	Sex		Males	Females	Sex		Males	Females				
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT					
0-4	184	262	174	247	87	127	77	119	21	28	23	28	-	-	-	-				
5-9	95	100	107	86	114	91	107	86	96	108	103	105	50	73	59	84				
10-14	90	67	113	61	89	44	101	53	60	30	56	23	35	32	40	15	50			
15-19	125	75	139	65	144	45	143	35	88	9	102	7	34	12	35	4	32			
20-24	81	92	102	75	65	41	74	70	58	23	56	32	32	13	49	18	26			
25-29	52	62	57	37	45	34	50	31	43	32	41	17	28	19	33	13	21			
30-34	48	51	52	34	30	24	43	30	29	20	28	12	23	17	22	13	16			
35-39	32	42	34	25	35	17	28	10	22	13	20	10	15	11	13	6	21			
40-44	23	27	34	16	20	7	25	5	14	3	13	3	7	3	7	5	6			
45-49	26	11	23	5	19	4	10	5	7	4	9	3	5	1	2	1	9			
50-54	14	12	18	9	8	3	11	4	9	2	8	1	3	1	6	0	4			
55-59	16	11	22	7	2	0	11	4	5	1	7	0	7	2	2	0	3			
60-64	23	8	30	8	11	0	12	1	6	2	5	0	2	0	5	0	2			
65-69	12	5	31	4	11	4	12	2	3	2	13	3	5	0	6	0	6			
70-74	17	4	18	7	10	0	10	2	5	0	5	2	4	0	1	0	3			
75 +	6	4	7	3	8	2	7	1	0	0	3	0	3	0	3	1	3			
Total :	844	833	961	689	698	443	721	458	466	277	492	246	253	184	283	159	227	183	240	159
IN :													1,419	958						
OUT :													901	523						

Source : OPSS, 1988 Census of Population and Housing.

TABLE : 2.15  
IN-AND OUT MIGRATION TO AND FROM EBENE FOR TWO YEAR INTERVALS, NOV. 1978 - OCT. 1988 BY AGE GROUP AND SEX  
(INTERNAL MIGRATION ONLY).

Age Group	PERIOD											
	Nov. '86 - Oct. '88 Sex				Nov. '84 - Oct. '86 Sex				Nov. '82 - Oct. '84 Sex			
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN
0-4	69	7	83	9	30	0	33	1	8	0	6	-
5-9	24	3	26	0	20	2	21	1	34	1	29	0
10-14	23	2	26	2	15	3	20	1	9	0	5	0
15-19	47	0	51	2	32	0	23	2	5	0	9	0
20-24	44	0	44	1	25	0	31	2	16	1	12	1
25-29	35	1	14	1	18	1	14	2	22	0	10	0
30-34	30	0	11	0	11	2	14	0	8	0	5	0
35-39	16	0	12	0	8	0	7	0	7	0	4	0
40-44	4	0	6	0	3	0	4	1	1	0	1	0
45-49	2	0	2	1	2	0	2	0	3	0	0	0
50-54	1	0	8	0	2	0	1	0	0	0	1	0
55-59	2	0	5	0	0	0	3	0	0	0	2	0
60-64	1	1	6	0	0	0	0	0	0	0	0	1
65-69	1	0	2	0	0	0	0	0	0	0	0	0
70-74	3	0	5	0	1	0	1	0	2	0	0	0
75+	3	0	0	0	0	0	1	0	0	0	0	0
Total:	305	14	303	16	167	8	175	10	115	2	84	1
IN:			608				342			199		150
OUT:			30				18			3		9

Source : OPS, 1988 Census of Population and Housing.

TABLE : 2.16  
NUMBERS OF REGISTERED LIVE BIRTHS, 1982 - 1991.

Atoll or Islands	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Ailinglaplap	65	59	60	63	39	64	57	43	45	17
Ailuk	24	17	23	14	14	23	12	13	16	4
Arno	26	25	39	23	33	37	43	37	39	18
Aur	4	20	16	20	15	9	16	9	10	3
Ebon	22	-	21	15	19	24	18	19	20	7
Enewetak	16	5	9	23	7	10	6	13	4	0
Jabat	5	3	5	2	4	5	6	3	1	0
Jaluit	40	43	34	52	28	42	50	34	42	17
Kili	7	14	14	7	9	11	19	9	4	5
Kwajalein	305	358	330	378	366	405	336	364	410	328
Lae	3	9	10	12	10	11	10	2	10	1
Lib	-	-	4	2	6	1	2	4	0	0
Likiep	10	5	15	5	2	7	8	4	5	0
Majuro	526	634	638	782	788	903	892	875	844	795
Maloelap	15	24	21	24	16	29	16	24	16	10
Mejit	14	10	17	19	7	11	11	8	7	6
Mili	9	12	15	5	11	17	14	18	17	11
Namorik	23	35	36	13	32	67	27	21	22	13
Namu	7	4	15	5	7	12	12	17	13	6
Rongelap	10	7	6	4	0	0	0	0	0	0
Ujae	16	16	11	19	12	18	7	4	10	9
Ujelang	-	-	3	0	2	0	0	0	0	0
Uterik	14	13	15	16	15	7	10	11	6	8
Wotho	4	4	3	1	0	3	1	6	1	1
Wotje	7	9	4	16	12	11	14	6	13	2
Unknown	-	-	-	0	-	0	0	10	0	5
Total	1,172	1,326	1,364	1,520	1,454	1,727	1,587	1,554	1,555	1,266

Source : Medical Vital Statistics, Central Hospital, Majuro.

**TABLE : 2.17**
**NUMBER OF REGISTERED BIRTHS BY AGE GROUP OF MOTHER,  
1987 -1991**

Age Group of mother	Registered Births				
	1987	1988	1989	1990	1991
< 15	6	14	5	4	4
15 - 19	266	270	232	250	268
20 - 24	567	539	566	545	453
25 - 29	465	407	384	392	268
30 - 34	267	216	231	227	175
35 - 39	127	107	109	98	71
40 - 44	25	33	25	38	25
45 - 49	4	1	2	1	2
Total :	1,727	1,587	1,554	1,555	1,266

Source : Medical Vital Statistics, Central Hospital, Majuro.

**TABLE : 2.18**  
**NUMBER OF REGISTERED DEATHS BY AGE GROUP AND SEX, 1986- 1991.**

Age Groups	1986			1987			1988			1989			1990			1991		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes		
< 1	38	22	16	24	15	9	32	18	14	29	16	13	42	27	15	44	29	15
1-4	23	16	7	9	5	4	21	12	9	10	6	4	8	3	5	13	9	4
5-9	8	6	2	3	1	-	2	7	3	4	3	2	1	4	2	2	4	2
10-14	1	-	1	0	-	-	2	1	1	2	1	1	3	3	0	1	1	0
15-19	6	5	1	5	5	-	2	2	-	2	1	1	8	6	2	4	3	1
20-24	4	-	4	4	3	1	9	9	-	6	4	2	7	6	1	5	3	2
25-29	4	3	1	6	3	3	4	4	-	5	5	-	9	9	0	5	3	2
30-34	10	8	2	6	5	1	9	7	2	8	2	6	2	1	1	3	3	0
35-39	2	-	2	6	2	4	4	3	1	4	4	-	8	4	4	8	4	4
40-44	2	1	1	5	3	2	6	5	1	5	4	1	8	5	3	7	4	3
45-49	6	5	1	4	4	-	6	4	2	8	6	2	7	7	0	9	3	6
50-54	8	7	1	4	3	1	11	3	8	10	9	1	13	9	4	11	7	4
55-59	15	13	2	8	5	3	8	5	3	12	5	7	19	9	10	12	8	4
60-64	18	11	7	16	9	7	13	9	4	10	8	2	18	12	6	18	10	8
65-69	14	11	3	14	9	5	17	12	5	11	8	3	19	11	8	18	12	6
70-74	13	10	3	11	11	-	15	8	7	11	10	1	18	12	6	21	14	7
75 +	15	10	5	18	8	10	20	15	5	15	11	4	20	13	7	19	9	10
<b>Total</b>	<b>187</b>	<b>128</b>	<b>59</b>	<b>143</b>	<b>91</b>	<b>52</b>	<b>186</b>	<b>120</b>	<b>66</b>	<b>151</b>	<b>102</b>	<b>49</b>	<b>213</b>	<b>139</b>	<b>74</b>	<b>202</b>	<b>124</b>	<b>78</b>

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

TABLE : 2.19 (a)

NUMBER OF REGISTERED DEATHS BY CAUSE OF DEATH AND SEX, 1988 - 1991.

Cause of Death	1988			1989			1990			1991		
	Both Sexes	Male	Female									
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	1	-	1	-	-	-	16	16	-	5	5	-
Asphyxia	9	9	-	8	8	-	-	-	-	1	1	-
Asphyxia Neonatorum	-	-	-	2	-	2	2	-	2	1	1	-
Aspiration	-	-	-	-	-	-	-	-	-	2	1	1
Aspiration Pneumonia	-	-	-	1	1	-	2	1	1	2	-	2
Atherothrombotic Infaction, Cerebral	-	-	-	1	1	-	-	-	-	-	-	-
Atrio - Ventricular Nodal Bradycardia	1	1	-	-	-	-	-	-	-	-	-	-
Bleeding Esophageal Varices	1	-	1	-	-	-	-	-	-	-	-	-
Bronchiolitis - Severe	1	-	1	1	1	-	1	1	-	-	-	-
Cancer, Breast, Stage IV	1	-	1	-	-	-	-	-	-	1	-	1
Cancer - Endometrial Metastatic	1	-	1	-	-	-	1	-	1	-	-	-
Cancer - Invasive Squamous Cell	-	-	-	1	-	1	-	-	-	-	-	-
Cancer - Liver	-	-	-	-	-	-	7	7	-	-	-	-
Cancer - Lung	1	-	1	1	-	1	4	4	-	5	3	2
Cancer - Lung with Brain Metastasis	-	-	-	-	-	-	-	-	-	-	-	-
Cancer - Metastatic Breast	1	-	1	-	-	-	1	-	1	2	-	2
Cancer - Metastatic Liver	-	-	-	1	-	1	-	-	-	-	-	-
Cancer of Cervix with Metastasis	-	-	-	1	-	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	-	1	2	-
Carcinoma - Pulmonary	-	-	-	-	-	-	-	-	-	-	-	-
Carcinoma of the Liver	1	1	-	-	-	-	-	-	-	-	-	-
Carcinoma of the Lung	-	-	-	-	1	1	-	-	-	-	-	-
Carcinoma of the Ovary	-	-	-	-	-	-	-	-	-	1	-	1
Carcinoma of the Pancreas	-	-	-	-	-	-	-	1	-	1	-	-
Carcinoma of the Prostate	-	-	-	-	-	-	-	1	1	-	-	-
Carcinoma of the Rectum	-	-	-	-	-	-	-	-	-	1	1	-
Carcinoma - Bronchogenic	-	-	-	-	-	-	1	1	-	2	2	-
Cardiac Arrest	9	6	3	2	2	-	-	-	-	2	1	1
Cardiac Tamponade	-	-	-	1	1	-	-	-	-	1	1	-
Cardiogenic Shock	-	-	-	1	-	1	-	-	-	-	-	-
Cardio - Pulmonary Arrest	13	8	5	11	7	4	-	-	-	-	-	-
Cardio - Respiratory Arrest	7	5	2	8	3	5	-	-	-	-	-	-
Cardio - Respiratory Arrest - Acute	-	-	-	-	-	-	-	-	-	-	-	-
Cardio - Respiratory Failure	-	-	-	1	1	-	-	-	-	-	-	-
Cardio Vascular Accident	-	-	-	1	1	-	-	-	-	-	-	-
Cardio Vascular Accident - Hemorrhage	1	1	-	1	1	-	-	-	-	-	-	-
Cardio-Vascular Disease-Hypertensive	-	-	-	-	-	-	1	1	-	-	-	-

(Continued)

TABLE : 2.19 (b)

NUMBER OF REGISTERED DEATHS BY CAUSE OF DEATH AND SEX, 1988 - 1991 (Continued).

Cause of Death	1988			1989			1990			1991		
	Both Sexes	Male	Female									
Cerebral Anoxia	1	-	1	-	-	-	-	-	-	-	-	-
Cerebral Hemorrhage	3	3	-	5	3	2	-	-	-	-	-	-
Cerebral Hemorrhage - Massive	-	-	-	1	1	-	-	-	-	-	-	-
Cerebral Hemorrhage - Severe	1	1	-	-	-	-	-	-	-	-	-	-
Cerebral Vascular Accident	-	-	-	-	-	-	13	8	5	10	3	7
Cerebral Vascular Accident - Severe	1	1	-	-	-	-	-	-	-	-	-	-
Cholecystitis, Acute	-	-	-	-	-	-	-	-	-	1	-	1
Chronic Renal Failure	2	2	-	-	-	-	-	-	-	-	-	-
Chronic Obstructive Pulmonary Disease	-	-	-	2	1	1	-	-	-	4	1	3
Cirrhosis of the Liver	1	1	-	-	-	-	-	-	-	-	-	-
Complete Atrioventricular Block	-	-	-	1	1	-	-	-	-	-	-	-
Conenital Abnormalities	-	-	-	-	-	-	7	5	2	3	1	2
Congenital Pulmonary Hypoplasia	-	-	-	1	-	1	-	-	-	-	-	-
Congestive Heart Failure	6	1	5	3	3	-	4	4	-	5	4	1
Congestive Heart Failure - Acute	1	1	-	1	1	-	-	-	-	-	-	-
Dehydration - Severe	2	1	1	-	-	-	1	-	1	-	-	-
Diffuse Intravascular Coagulopathy	1	1	-	-	-	-	1	-	1	-	-	-
Drowning	1	1	-	1	1	-	1	-	1	3	2	1
Electrocution	1	1	-	-	-	-	-	-	-	-	-	-
Electrolyte Imbalance - Acidosis	3	1	2	-	-	-	6	4	2	4	2	2
Encephalitis	-	-	-	-	-	-	1	1	-	-	-	-
Gastro - Intestinal Bleeding - Acute	1	1	-	-	-	-	1	-	1	-	-	-
Hemophilus Influenza Menigitis	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhage - Intestinal	1	1	-	-	-	-	-	-	-	-	-	-
Hemorrhage - Severe	1	-	1	-	-	-	-	-	-	-	-	-
Hemorrhagic Pancreatitis - Acute	1	1	-	-	-	-	-	-	-	-	-	-
Hemorrhagic Shock	1	1	-	-	-	-	1	-	1	-	-	-
Hepatic Failure	1	1	-	-	-	-	2	1	1	-	-	-
Hepatoma	1	1	-	1	1	-	-	-	-	2	2	-
Hepatorenal Failure	1	1	-	-	-	-	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	1	-	1	-	-	-	-	-	-	-	-	-
Hypovolemic Shock	1	-	1	-	-	-	-	-	-	-	-	-
Hypoxia - Severe	-	-	-	-	-	-	1	1	-	-	-	-
Inanition	1	-	1	2	2	-	-	-	-	-	-	-
Intercerebral Hemorrhage	-	-	-	-	-	-	1	-	1	2	1	1
Internal Hemorrhage	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal Obstruction	-	-	-	-	-	-	-	-	-	-	-	-
Intracranial Hemorrhage	2	2	-	1	-	1	-	-	-	-	-	-
Intraventricular Hemorrhage	-	-	-	-	-	-	-	-	-	-	-	-
Liver Causes	-	-	-	1	1	-	-	-	-	-	-	-
Liver Failure	-	-	-	3	2	1	-	-	-	-	-	-

(Continued)

TABLE : 2.19 (c)

NUMBER OF REGISTERED DEATHS BY CAUSE OF DEATH AND SEX, 1988 - 1991 (Continued).

Cause of Death	1988			1989			1990			1991		
	Both Sexes	Male	Female									
Lymphatic Obstruction	1	1	-	-	-	-	-	-	-	-	-	-
Lymphocytic Leukemia - Acute	1	-	1	-	-	-	1	1	-	-	-	-
Lymphoma	-	-	-	1	-	1	-	-	-	-	-	-
Lymphoma, Malignant	-	-	-	-	-	-	1	1	-	-	-	-
Lymphoma - Mediastina Tumor	1	1	-	-	-	-	-	-	-	-	-	-
Mainnutrition - Kwashiorkor and Marasmus	3	2	1	-	-	-	-	-	-	-	-	-
Massive Gastro-Intestinal Bleeding	1	1	-	-	-	-	-	-	-	3	3	-
Measles Encephalitis	1	-	1	-	-	-	-	-	-	-	-	-
Meconium Aspiration	1	1	-	4	3	1	-	-	-	-	-	-
Meningitis	1	1	-	-	-	-	1	-	1	-	-	-
Meningitis Bacterial	1	-	1	-	-	-	-	-	-	-	-	-
Metabolic Encephalopathy	1	-	1	-	-	-	-	-	-	-	-	-
Myocardial Infarction	6	5	1	4	4	-	2	2	-	-	-	-
Myocardial Infarction - Acute	-	-	-	-	-	-	8	5	3	13	13	-
Neoplasm - Cervical	1	-	1	-	-	-	-	-	-	-	-	-
Neuroblastoma Disseminated	1	1	-	-	-	-	-	-	-	-	-	-
Peritonitis	1	1	-	-	-	-	-	-	-	-	-	-
Pleural Effusion	-	-	-	-	-	-	-	-	-	2	2	-
Pneumonia	11	7	4	8	5	3	6	1	5	8	6	2
Pneumonia Aspiration	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia - Hypostatic	1	1	-	1	1	-	-	-	-	-	-	-
Pneumonia - Interstitial	1	1	-	-	-	-	-	-	-	-	-	-
Pneumonia-Lobar	-	-	-	-	-	-	-	-	-	1	1	-
Pneumonia - Overwhelming	-	-	-	1	1	-	-	-	-	-	-	-
Pneumonia - Severe	2	1	1	4	3	1	-	-	-	4	3	1
Pneumonia - Untreated	1	1	-	-	-	-	-	-	-	-	-	-
Prematurity	4	1	3	1	-	1	10	7	3	9	8	1
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	1	1	-	-	-	-	-	-	-	-	-	-
Pulmonary Edema - Acute	-	-	-	1	1	-	1	1	-	1	1	-
Pulmonary Embolism	-	-	-	1	-	1	-	-	-	-	-	-
Pulmonary Tuberculosis	-	-	-	1	-	1	-	-	-	3	3	-
Renal Disease - End Stage	-	-	-	2	1	1	8	5	3	8	6	2
Renal Failure	2	1	1	2	2	-	2	2	-	8	2	6
Renal Failure - Acute	-	-	-	1	-	1	1	1	-	-	-	-
Renal Failure - End Stage	-	-	-	1	-	1	-	-	-	-	-	-
Renal Failure - Hepatic	1	1	-	-	-	-	-	-	-	-	-	-
Renal Failure - Hepato	1	1	-	-	-	-	-	-	-	-	-	-
Renal Failure - Severe	-	-	-	1	1	-	-	-	-	-	-	-

(Continued)

TABLE : 2.19 (d)

NUMBER OF REGISTERED DEATHS BY CAUSE OF DEATH AND SEX, 1988 - 1991 (Conclusion).

Cause of Death	1988			1989			1990			1991		
	Both Sexes	Male	Female									
Renal Insufficiency	1	1	-	-	-	-	-	-	-	-	-	-
Respiratory Arrest	11	5	6	6	4	2	-	-	-	-	-	-
Respiratory Arrest - Acute	2	1	1	-	-	-	1	-	1	-	-	-
Respiratory Distress Syndrome	2	1	1	-	-	-	-	-	-	1	-	1
Respiratory Failure	-	-	-	5	2	3	-	-	-	2	2	-
Respiratory Failure - Acute	5	4	1	1	-	1	-	-	-	1	-	1
Respiratory Failure - Central	1	1	-	-	-	-	-	-	-	-	-	-
Salmonellosis - Overwhelming	-	-	-	-	-	-	-	-	-	-	-	-
Senility	1	-	1	-	-	-	2	-	2	1	-	1
Sepsis	1	1	-	2	2	-	-	-	-	-	-	-
Sepsis Neonatorum	3	1	2	1	1	-	4	2	2	7	3	4
Sepsis Overwhelming	1	1	-	1	1	-	-	-	-	-	-	-
Sepsis with Gangrene - Overwhelming	1	1	-	-	-	-	-	-	-	-	-	-
Sepsis - Severe	1	-	1	-	-	-	41	24	17	35	18	17
Septic Shock	2	1	1	-	-	-	-	-	-	7	3	4
Septicemia	7	4	3	13	9	4	-	-	-	-	-	-
Septicemia (Gram Negative) - Severe	-	-	-	1	1	-	-	-	-	-	-	-
Septicemia - Severe	-	-	-	1	-	1	-	-	-	-	-	-
Severe Head Injury	-	-	-	1	1	-	5	5	-	2	-	2
Shock	1	1	-	-	-	-	-	-	-	-	-	-
Shock - Increased Intra-Cranial Pressure	-	-	-	-	-	-	-	-	-	-	-	-
Silent Death	1	1	-	-	-	-	-	-	-	-	-	-
Skull Fracture	1	1	-	-	-	-	-	-	-	1	-	1
Small Bowel Gangrene	-	-	-	-	-	-	-	-	-	-	-	-
Status Asthatus	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcal Meningitis	1	1	-	-	-	-	-	-	-	-	-	-
Subdural Bleeding	-	-	-	1	-	1	-	-	-	-	-	-
Suffocation	1	1	-	1	1	-	-	-	-	-	-	-
Thrombo Embolism Mesenteric, Portal	-	-	-	-	-	-	-	-	-	1	-	1
Tuberculosis - Far Advanced	-	-	-	1	1	-	-	-	-	-	-	-
Ventricular Fibrillation	1	1	-	2	2	-	-	-	-	-	-	-
Ventricular Arrythmia	-	-	-	-	-	-	3	2	1	-	-	-
Uremia	-	-	-	1	-	1	-	-	-	-	-	-
Unclassified	6	4	2	-	-	-	23	16	7	9	5	4
Total	186	120	66	151	102	49	214	141	73	207	124	83

Source : Medical Vital Statistics, Central Hospital, Majuro.

TABLE : 2.20

NUMBER OF REGISTERED DEATHS BY CAUSE OF DEATH AND SEX, INFANT DEATHS ONLY, 1988 - 1991.

Cause of Death	1988			1989			1990			1991		
	Both Sexes	Male	Female									
Acidosis	1	1	-	-	-	-	-	-	-	-	-	-
Asphyxia Neonatorum	-	-	-	-	-	-	2	-	2	1	1	-
Aspiration	-	-	-	1	-	1	-	-	-	-	-	-
Aspiration Pneumonia	-	-	-	1	1	-	2	1	1	-	-	-
Bronchiolitis - Severe	1	-	1	-	-	-	1	1	-	-	-	-
Cardio - Pulmonary Arrest	2	2	-	2	1	1	-	-	-	-	-	-
Cardio - Respiratory Arrest	1	1	-	4	-	4	-	-	-	-	-	-
Cardio - Respiratory Failure	-	-	-	1	1	-	-	-	-	-	-	-
Cerebral Anoxia	1	-	1	-	-	-	-	-	-	-	-	-
Congenital Pulmonary	-	-	-	-	-	-	7	5	2	2	1	1
Congenital Pulmonary Hypoplasia	-	-	-	1	-	1	-	-	-	-	-	-
Congestive Heart Failure	1	-	1	-	-	-	1	1	-	1	-	1
Diffuse Intravascular Coagulopathy	1	1	-	-	-	-	-	-	-	-	-	-
Electrolyte Imbalance - Acidosis	1	-	1	-	-	-	3	1	2	1	-	1
Hemophilus Influenza Menigitis	-	-	-	-	-	-	-	-	-	-	-	-
Hypothermia / Apnea	1	-	1	-	-	-	-	-	-	-	-	-
Intracranial Hemorrhage	-	-	-	-	-	-	-	-	-	-	-	-
Intraventricular Hemorrhage	-	-	-	-	-	-	-	-	-	-	-	-
Meconium Aspiration	1	1	-	4	3	1	-	-	-	1	-	1
Meningitis	-	-	-	-	-	-	-	-	-	1	1	-
Peritonitis	1	1	-	-	-	-	-	-	-	-	-	-
Pneumonia	2	2	-	1	-	1	1	-	1	-	-	-
Pneumonia Aspiration	-	-	-	-	-	-	-	-	-	1	-	1
Pneumonia - Severe	-	-	-	2	2	-	-	-	-	3	3	-
Prematurity	4	1	3	1	-	1	10	7	3	9	8	1
Prematurity - Apnea	-	-	-	1	1	-	-	-	-	-	-	-
Prematurity - Severe	-	-	-	1	1	-	3	2	1	4	2	2
Probable Trans Position of Great Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Pulmonary Arrest	1	1	-	-	-	-	-	-	-	-	-	-
Respiratory Arrest	4	2	2	5	4	1	-	-	-	-	-	-
Respiratory Distress Syndrome	2	1	1	-	-	-	-	-	-	1	-	1
Respiratory Failure - Central	1	1	-	2	1	1	-	-	-	-	-	-
Sepsis	-	-	-	-	-	-	-	-	-	-	-	-
Sepsis Neonatorum	3	1	2	1	1	-	4	2	2	7	3	4
Sepsis Overwhelming	1	1	-	-	-	-	-	-	-	-	-	-
Septicemia - Severe	-	-	-	1	-	1	6	5	1	11	8	3
Small Bowel Gangrene	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcal Meningitis	1	1	-	-	-	-	-	-	-	-	-	-
Unclassified	-	-	-	-	-	-	2	2	-	2	2	-
Total	31	18	13	29	16	13	42	27	15	45	29	16

Source : Medical Vital Statistics, Central Hospital, Majuro.

**TABLE : 2.21**  
**ESTIMATES OF AGE SPECIFIC AND TOTAL FERTILITY RATES, BASED ON THE CENSUSES OF  
 1973, 1980 AND 1988.**

Census Year	Period of Estimate	TFR	Age Specific Fertility Rates						
			15-19	20-24	25-29	30-34	35-39	40-44	45-49
1988	1989	7.21	0.143	0.378	0.361	0.277	0.184	0.086	0.012
	1988	7.23	0.144	0.379	0.363	0.278	0.185	0.086	0.012
	1982/83	7.39	0.137	0.368	0.385	0.290	0.202	0.075	0.021
	1977/78	7.52	0.121	0.360	0.382	0.307	0.247	0.063	0.023
	1980	7.88	0.155	0.332	0.356	0.305	0.242	0.133	0.053
	1971-75	7.92	0.149	0.324	0.363	0.317	0.238	0.131	0.062
	1966-70	8.14	0.147	0.346	0.377	0.344	0.241	0.124	0.049
	1973	8.43	0.126	0.322	0.380	0.374	0.284	0.130	0.070
	1964-68	8.73	0.161	0.345	0.398	0.383	0.274	0.135	0.049
	1959-63	7.93	0.171	0.338	0.364	0.316	0.238	0.114	0.044

Note : The 1988 and 1989 estimates have been smoothed, using the relational Gompertz model of fertility by age of woman. The other figures have been derived by using the 'Own Children Method' of fertility estimation.

Sources : - Levin, Michael J. and Robert D. Retherford, 'Recent Fertility Trends in the Pacific Islands'. Papers of the East-West Population Institute, No. 101, August 1986. East - West Center, Honolulu, Hawaii.  
 - Census of Population and Housing, Office of Planning and Statistics, RMI, 1988.

**TABLE: 2.22**  
**NUMBER OF WOMEN, ESTIMATED AGE SPECIFIC FERTILITY AND ESTIMATED  
 NUMBER OF BIRTHS BY AGE GROUP OF MOTHER, 1989.**

Age Group	Number of Women	Estimated Age Specific Fertility	Estimated Number of Births
15 - 19	2,224	0.1433	319
20 - 24	1,783	0.3778	674
25 - 29	1,524	0.3614	551
30 - 34	1,297	0.2771	359
35 - 39	1,032	0.1840	190
40 - 44	751	0.0859	65
45 - 49	501	0.0123	6
Total		1.4418	2,163
Total Fertility		7.209	

Source : - Census of Population and Housing, Office of Planning and Statistics, RMI, 1988.

**TABLE : 2.23**  
**INDIRECT ESTIMATES OF INFANT MORTALITY,**  
**SELECTED YEARS.**

<b>Infant Mortality Rate (per 1,000)</b>	<b>Reference Date</b>
85	April 1969
79	October 1970
68	February 1982
66	July 1984
63	July 1986

**Source :** -Susan J. Levy and Heather Booth.  
 "Infant Mortality in the Marshall  
 Islands", 1988.  
 -1988 Census of Population and Housing,  
 OPS, Majuro.

TABLE : 2.24

MID YEAR POPULATION BY AGE AND SEX AND ESTIMATED AGE SPECIFIC MORTALITY  
RATES AND DEATHS, MARSHALL ISLANDS, 1989

Age Groups	Mid Year Population, 1989			Estimated Age Specific Mortality Rates			Estimated Deaths		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
0 - 4	9,225	4,730	4,495	0.0190	0.0199	0.0180	175	94	81
5 - 9	7,377	3,782	3,595	0.0019	0.0020	0.0017	14	8	6
10-14	5,868	3,016	2,852	0.0014	0.0015	0.0013	9	5	4
15-19	4,508	2,284	2,224	0.0025	0.0027	0.0022	11	6	5
20-24	3,546	1,763	1,783	0.0034	0.0037	0.0031	13	7	6
25-29	3,020	1,496	1,524	0.0036	0.0039	0.0032	11	6	5
30-34	2,643	1,346	1,297	0.0039	0.0043	0.0035	11	6	5
35-39	2,178	1,146	1,032	0.0045	0.0050	0.0040	10	6	4
40-44	1,616	865	751	0.0056	0.0062	0.0050	9	5	4
45-49	1,091	590	501	0.0073	0.0081	0.0065	8	5	3
50-54	771	414	357	0.0101	0.0112	0.0089	8	5	3
55-59	669	347	322	0.0147	0.0163	0.0129	10	6	4
60-64	629	315	314	0.0224	0.0249	0.0197	14	8	6
65-69	532	260	272	0.0358	0.0397	0.0316	19	10	9
70-74	370	176	194	0.0593	0.0653	0.0530	21	11	10
75-79	216	104	112	0.0999	0.1083	0.0910	21	11	10
80+	148	64	84	0.1944	0.2020	0.1863	29	13	16
Total	44,407	22,698	21,709				393	212	181

Note : Allow slight differences in summation of components and totals, due to rounding and truncation in intermediate calculations.

Crude death rates per thousand	Infant mortality rates per thousand
Both sexes 8.80	55.04
Males 9.28	56.60
Females 8.30	53.38

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

TABLE : 2.25(a)  
ABRIDGED LIFE TABLE BY SEX, MARSHALL ISLANDS, 1989.

Age (x)	I(x)	nMx	nQx	nLx	$\frac{5 L(x+5)}{5 Lx}$	Tx	e(x)
Females							
0	100,000	0.0557	0.0534	95,784	0.9331	6,295,951	62.96
1	94,662	0.0083	0.0325	370,768	0.9774	6,200,167	65.50
5	91,587	0.0017	0.0084	456,007	0.9926	5,829,399	63.65
10	90,816	0.0013	0.0064	452,628	0.9913	5,373,392	59.17
15	90,235	0.0022	0.0110	448,700	0.9869	4,920,764	54.53
20	89,245	0.0031	0.0152	442,830	0.9833	4,472,063	50.11
25	87,887	0.0032	0.0160	435,911	0.9814	4,029,233	45.85
30	86,477	0.0035	0.0173	428,651	0.9778	3,593,322	41.55
35	84,983	0.0040	0.0200	420,676	0.9719	3,164,671	37.24
40	83,288	0.0050	0.0245	411,340	0.9623	2,743,994	32.95
45	81,249	0.0065	0.0319	399,766	0.9471	2,332,654	28.71
50	78,658	0.0089	0.0436	384,714	0.9222	1,932,888	24.57
55	75,228	0.0129	0.0626	364,368	0.8809	1,548,175	20.58
60	70,519	0.0197	0.0941	336,011	0.8131	1,183,807	16.79
65	63,885	0.0316	0.1466	296,008	0.7066	847,796	13.27
70	54,518	0.0530	0.2341	240,686	0.8292	551,787	10.12
75	41,757	0.0910	0.3708	170,079	-	311,101	7.45
80	26,275	0.1863	-	141,022	-	141,022	5.37

Males

0	100,000	0.0593	0.0566	95,501	0.9277	5,995,948	59.96
1	94,340	0.0097	0.0378	368,372	0.9735	5,900,447	62.54
5	90,770	0.0020	0.0100	451,584	0.9912	5,532,075	60.95
10	89,864	0.0015	0.0077	447,591	0.9895	5,080,490	56.54
15	89,173	0.0027	0.0133	442,894	0.9841	4,632,899	51.95
20	87,985	0.0037	0.0185	435,855	0.9810	4,190,005	47.62
25	86,357	0.0039	0.0196	427,564	0.9796	3,754,151	43.47
30	84,669	0.0043	0.0212	418,857	0.9772	3,326,587	39.29
35	82,874	0.0050	0.0245	409,287	0.9726	2,907,729	35.09
40	80,841	0.0062	0.0303	398,078	0.9651	2,498,442	30.91
45	78,390	0.0081	0.0397	384,180	0.9531	2,100,364	26.79
50	75,282	0.0112	0.0544	366,170	0.9340	1,716,184	22.80
55	71,186	0.0163	0.0783	341,999	0.9031	1,350,013	18.96
60	65,613	0.0249	0.1170	308,866	0.8533	1,008,015	15.36
65	57,933	0.0397	0.1804	263,540	0.7745	699,149	12.07
70	47,483	0.0653	0.2805	204,118	0.6586	435,609	9.17
75	34,164	0.1083	0.4261	134,428	0.7220	231,491	6.78
80	19,607	0.2020	-	97,063	-	97,063	4.95

a : Proportion surviving from birth to 0 - 4.

(Continued)

b :  $L / L'$

55 50

c :  $T(80)/T(75)$

TABLE : 2.25(b)  
ABRIDGED LIFE TABLE BY SEX, MARSHALL ISLANDS, 1989 (Concl)

Age (x)	I(x)	nMx	nQx	nLx	$\frac{5 L(x+5)}{5 Lx}$	Tx	e(x)
Both Sexes							
0	100,000	0.0576	0.0550	95,638	0.9303	6,141,157	61.41
1	94,496	0.0090	0.0352	369,531	0.9754	6,045,519	63.97
5	91,165	0.0019	0.0092	453,725	0.9919	5,675,988	62.25
10	90,325	0.0014	0.0071	450,029	0.9904	5,222,263	57.81
15	89,687	0.0025	0.0122	445,704	0.9855	4,772,233	53.20
20	88,595	0.0034	0.0169	439,231	0.9826	4,326,529	48.83
25	87,098	0.0036	0.0179	431,604	0.9814	3,887,298	44.62
30	85,544	0.0039	0.0193	423,598	0.9792	3,455,694	40.38
35	83,895	0.0045	0.0223	414,800	0.9751	3,032,096	36.13
40	82,025	0.0056	0.0275	404,497	0.9684	2,617,296	31.89
45	79,774	0.0073	0.0359	391,724	0.9576	2,212,799	27.72
50	76,916	0.0101	0.0492	375,146	0.9403	1,821,075	23.66
55	73,143	0.0147	0.0707	352,826	0.9123	1,445,929	19.75
60	67,988	0.0224	0.1059	322,005	0.8667	1,093,103	16.05
65	60,814	0.0358	0.1640	279,256	0.7932	771,098	12.65
70	50,888	0.0593	0.2580	221,818	0.6818	491,842	9.63
75	37,839	0.0999	0.3993	151,684	0.7739	270,024	7.10
80	22,834	0.1944	-	118,341	-	118,341	5.15

a : Proportion surviving from birth to 0 - 4.

b :  $L / L_{55,50}$

c :  $T(80)/T(75)$

Where,

I(x) : the probability of surviving from birth to exact age x. The value of I(x) is always between 0 and 1. It is conventional practice, though, to express the I(x) values per 100,000, especially in the construction of life tables where I(x) is also interpreted as the number of persons of exact age x.

nMx : central death rate, specific by age.

nQx : probability of dying between ages x and x+n.

nLx : person years lived by the cohort as it ages from age x to x+n.

$5 L(x+5)$

$\frac{5 L(x+5)}{5 Lx}$  : five year survival ratios

$5 Lx$

Tx : person years lived by the cohort from age x onward

e(x) : expectation of life at age x.

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

**TABLE : 2.26**  
**ESTIMATION AND PROJECTION OF THE POPULATION.**  
**(BASED ON 1973 AND 1988 CENSUSES).**

Year	Both Sexes	Population		Life Expectancy	
		Male	Female	Male	Female
1973	24,089	12,305	11,784	56.2	59.9
1974	24,998	12,761	12,237	56.4	59.9
1975	25,963	13,246	12,717	56.7	60.1
1976	26,985	13,760	13,225	56.9	60.3
1977	28,066	14,304	13,762	57.1	60.5
1978	29,202	14,876	14,326	57.3	60.7
1979	30,395	15,477	14,918	57.6	60.9
1980	31,676	16,140	15,536	57.8	61.1
1981	32,942	16,761	16,181	58.0	61.3
1982	34,299	17,445	16,854	58.2	61.4
1983	35,711	18,157	17,554	58.5	61.6
1984	37,180	18,898	18,282	58.7	61.8
1985	38,706	19,668	19,038	58.9	62.0
1986	40,288	20,466	19,822	59.2	62.2
1987	41,930	21,295	20,635	59.4	62.4
1988	42,692	21,832	20,860	59.6	62.6
1989	44,407	22,698	21,709	59.9	62.9
1990	46,188	23,598	22,590	60.2	63.2
1991	48,041	24,532	23,509	60.6	63.6
1992	49,969	25,508	24,461	60.9	63.9
1993	51,977	26,521	25,456	61.2	64.3
1994	54,069	27,579	26,490	61.5	64.6
1995	56,216	28,660	27,556	61.9	65.0
1996	58,499	29,814	28,685	62.2	65.3
1997	60,851	30,999	29,852	62.5	65.7
1998	63,301	32,235	31,066	62.8	66.0
1999	65,844	33,519	32,325	63.1	66.4
2000	68,415	34,813	33,602	63.4	66.7

**NOTE :**

- 1 : ESTIMATIONS AND PROJECTIONS REFER TO JUNE 30 OF THE RESPECTIVE YEARS.
- 2 : THE ESTIMATION OF POPULATION BETWEEN 1973 AND 1988 IS BASED ON THE FOLLOWING ASSUMPTIONS :
  - TOTAL FERTILITY RATE IN 1973 : 7.92
  - T.F.R. IN 1988 : 7.23
  - LIFE EXPECTANCY AT BIRTH IN 1973 :
    - MALES : 56.2
    - FEMALES : 59.7
  - LIFE EXPECTANCY AT BIRTH IN 1988 :
    - MALES : 59.6
    - FEMALES : 62.6
  - THE "WEST-TABLE" OF THE REGIONAL MODEL LIFE TABLES (COALE AND DEMENEY, 1967) BEST REPRESENTS THE RELATION BETWEEN CHILD AND ADULT MORTALITY.
- 3 : FOR METHODOLOGY USED IN THE PROJECTIONS THE READER IS REFERRED TO THE 1988 CENSUS OF POPULATION AND HOUSING, FINAL REPORT, O.P.S.

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

Figure-6  
Estimation and Projection of Population 1973-2000

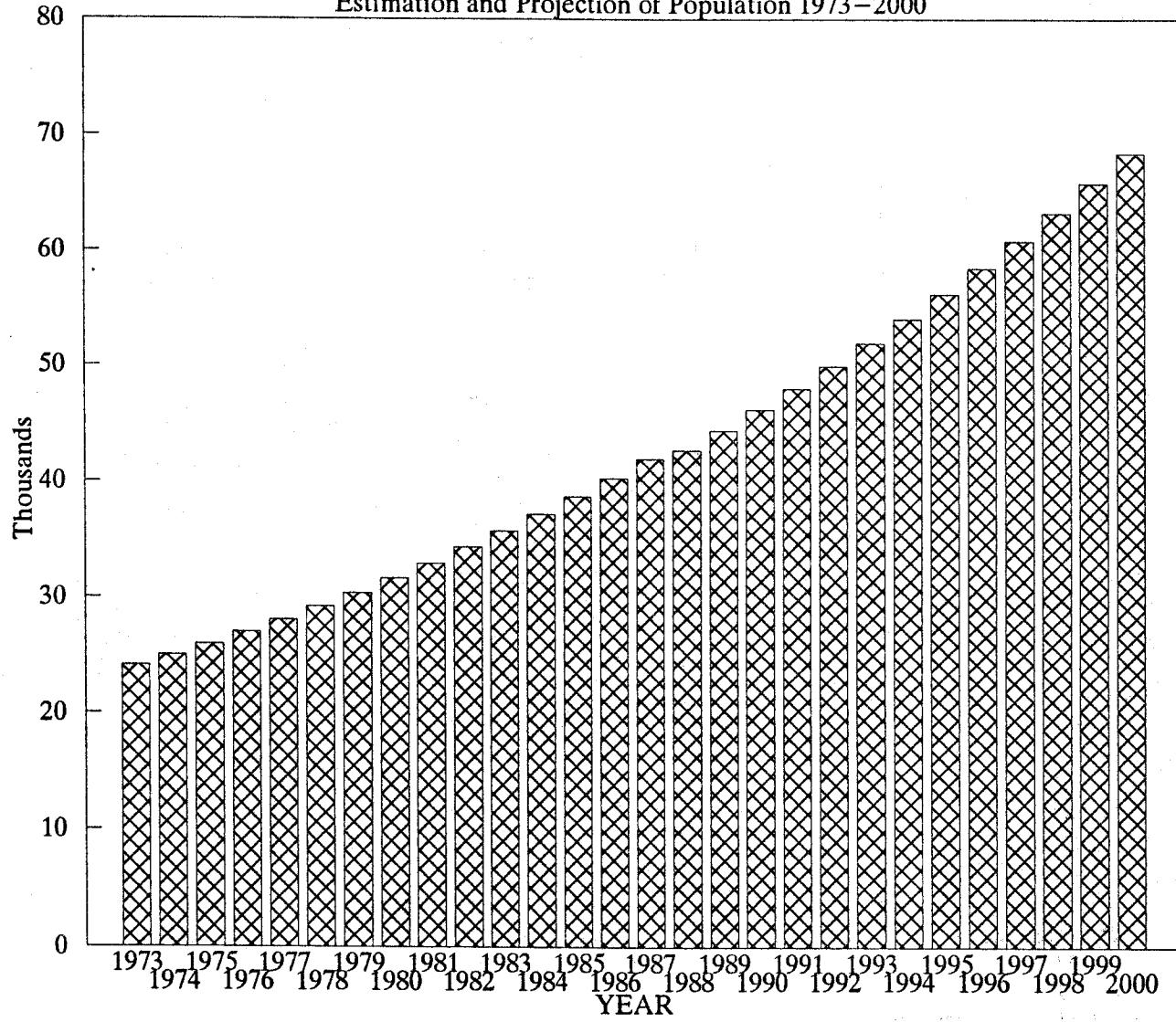


TABLE : 2.27

PROJECTION OF POPULATION, MARSHALL ISLANDS, 1990 - 2000 (MEDIUM HYPOTHESIS).

Age Group	YEAR											
	1990		1991		1992		1993		1994		1995	
	Male	Female										
0- 4	4,886	4,659	5,044	4,824	5,210	4,995	5,393	5,184	5,593	5,376	5,788	5,565
5- 9	3,945	3,756	4,113	3,923	4,282	4,090	4,444	4,249	4,599	4,413	4,756	4,577
10-14	3,154	2,985	3,291	3,122	3,433	3,265	3,583	3,414	3,739	3,569	3,901	3,731
15-19	2,418	2,334	2,560	2,452	2,705	2,574	2,846	2,700	2,985	2,830	3,121	2,962
20-24	1,838	1,850	1,924	1,925	2,021	2,008	2,129	2,099	2,250	2,199	2,383	2,309
25-29	1,528	1,562	1,566	1,603	1,612	1,648	1,667	1,700	1,731	1,759	1,805	1,826
30-34	1,368	1,340	1,389	1,381	1,411	1,422	1,436	1,461	1,464	1,500	1,496	1,539
35-39	1,187	1,084	1,224	1,134	1,258	1,182	1,287	1,229	1,313	1,273	1,335	1,316
40-44	919	802	972	854	1,022	906	1,069	958	1,113	1,009	1,153	1,060
45-49	635	541	683	585	734	632	785	680	837	729	890	779
50-54	435	373	461	394	491	419	526	449	566	483	609	522
55-59	349	319	354	319	362	321	374	328	390	339	411	354
60-64	315	311	315	307	315	303	316	300	318	297	321	295
65-69	265	276	269	278	272	278	274	278	276	277	276	274
70-74	184	201	192	207	199	213	205	217	211	221	215	224
75-79	106	116	109	121	114	126	119	131	125	137	130	142
80+	66	81	66	80	67	79	68	79	69	79	70	81
Total :	23,598	22,590	24,532	23,509	25,508	24,461	26,521	25,456	27,579	26,490	28,660	27,556
Total Population:		46,188		48,041		49,969		51,977		54,069		56,216

Age Group	YEAR											
	1996		1997		1998		1999		2000			
	Male	Female	Male	Female								
0- 4	6,017	5,785	6,242	6,001	6,476	6,227	6,718	6,460	6,945	6,679		
5- 9	4,914	4,743	5,080	4,916	5,263	5,105	5,462	5,298	5,658	5,488		
10-14	4,068	3,896	4,237	4,064	4,398	4,222	4,553	4,386	4,709	4,551		
15-19	3,258	3,099	3,399	3,242	3,548	3,390	3,704	3,546	3,864	3,707		
20-24	2,524	2,426	2,667	2,549	2,807	2,674	2,945	2,803	3,080	2,935		
25-29	1,890	1,900	1,986	1,983	2,094	2,074	2,213	2,174	2,345	2,283		
30-34	1,534	1,579	1,579	1,624	1,634	1,677	1,698	1,736	1,771	1,802		
35-39	1,356	1,358	1,378	1,398	1,403	1,437	1,431	1,476	1,463	1,515		
40-44	1,190	1,110	1,222	1,158	1,251	1,204	1,277	1,248	1,299	1,290		
45-49	941	830	991	881	1,036	932	1,079	982	1,119	1,032		
50-54	656	565	705	610	755	657	806	705	856	754		
55-59	435	374	464	399	498	428	536	461	578	498		
60-64	325	295	333	298	345	305	360	315	379	330		
65-69	277	271	277	268	278	266	280	264	283	262		
70-74	219	226	222	227	224	227	225	226	226	225		
75-79	137	146	142	150	147	154	151	156	154	159		
80+	73	82	75	84	78	87	81	89	84	92		
Total :	29,814	28,685	30,999	29,852	32,235	31,066	33,519	32,325	34,813	33,602		
Total Population:		58,499		60,851		63,301		65,844		68,415		

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

**TABLE : 2.28****PROJECTED TOTAL POPULATION ACCORDING TO FOUR HYPOTHESES.**

Year	Hypotheses			
	Constant	High	Medium	Low
1990	46,185	46,193	46,188	46,186
1995	56,197	56,276	56,216	56,171
2000	68,511	68,630	68,415	68,178
2005	83,829	83,671	83,052	82,151
2010	102,837	101,532	99,954	97,419
2015	126,162	121,959	118,389	112,946
2020	154,630	144,371	137,434	127,969
2025	189,440	167,764	156,386	142,305
2030	232,178	191,449	174,924	156,068
2035	284,722	215,311	192,946	169,322

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

FIGURE – 7

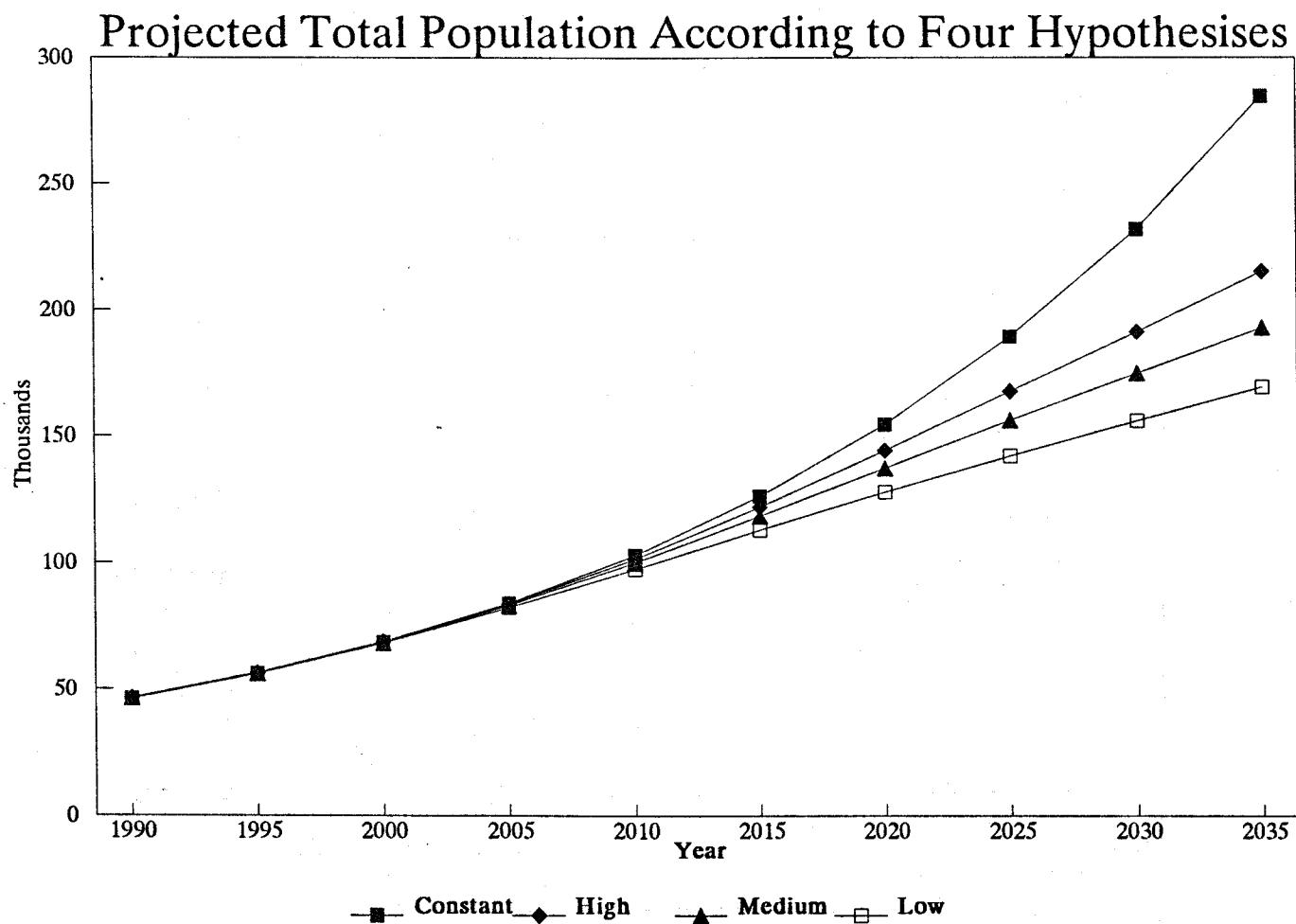


TABLE : 2.29  
TWO CONSTANT PROJECTIONS OF THE TOTAL MAJURO POPULATION,  
1988 - 2000.

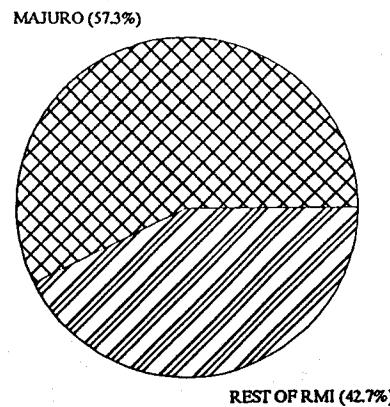
	A: R('73-'88)	TOTAL POPULATION IN RMI	B: R('80-'88)
	TOTAL POPULATION MAJURO		TOTAL POPULATION MAJURO
(1)	(2)	(3)	(4)
1988	19,695	43,380	19,695
1989	20,538		20,932
1990	21,417	46,185	22,246
1991	22,334		23,643
1992	23,290		25,128
1993	24,287		26,706
1994	25,326		28,383
1995	26,410	56,197	30,166
1996	27,541		32,060
1997	28,719		34,073
1998	29,949		36,213
1999	31,230		38,487
2000	32,567	68,511	40,904

NOTE : IN COLUMN (2) THE INTERCENSAL GROWTH RATE BETWEEN  
THE 1973 AND 1988 CENSUS IS CONSIDERED TO BE  
REPRESENTATIVE FOR FUTURE GROWTH RATES OF MAJURO  
ATOLL, WHILE IN COLUMN (4) THE INTERCENSAL GROWTH RATE  
BETWEEN THE 1980 AND 1988 CENSUS IS USED IN THE  
PROJECTION.

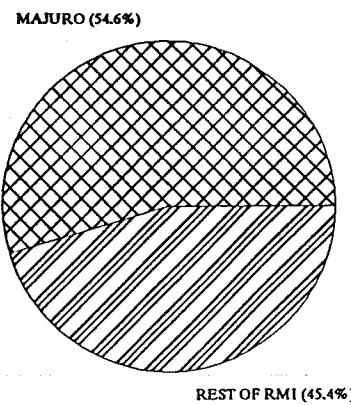
Source : Based on the '1988 Census of Population and Housing', OPS, RMI.

**FIGURE – 8**

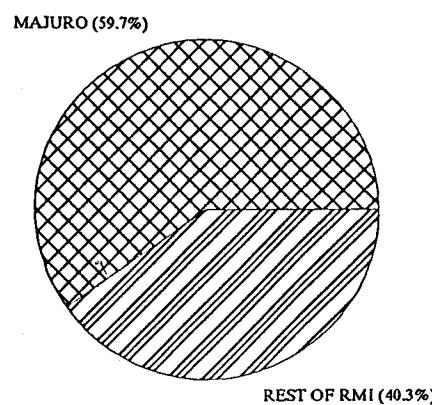
**PROPORTION OF MAJURO IN TOTAL POPULATION (1973)**



**PROPORTION OF MAJURO IN TOTAL POPULATION (1988)**



**PROJECTED MAJURO POPULATION AS PROPORTION  
OF THE TOTAL POPULATION (2000)**



## **SECTION 3**

### **3. SOCIAL FRAMEWORK**

**3.1. HOUSEHOLDS**

**3.2. MARRIAGE**

**3.3. CITIZENSHIP**

### **3. Social Framework**

Social Framework data pertains to the end of 1988, i.e. November 1988. At this moment there is no regular data collection on this subject.

The Office of Planning and Statistics uses the following definition of a household: 'A household is a group of persons who live together and usually cook and eat together'.

The average 'household size in November 1988 was 8.8 persons compared to an average household size of 8.0 persons in 1980.

In the 1988 Census of Population and Housing, people living as man and wife were shown as married whether or not they have been through any civil or religious ceremonies. Most marriages in the Marshall Islands are believed to be consensual unions.

The Marshall Islanders enter into consensual unions at young ages and this union can be considered virtually universal after the age of 35.

Only around three percent of all the people living in the Marshall Islands have a non Marshallese citizenship. The 'Other Micronesian' constitute the biggest 'Non-Marshallese' group, followed by the Philippines and the U.S.A.

**TABLE : 3.1**  
**NUMBER OF HOUSEHOLDS AND AVERAGE NUMBER OF PERSONS PER HOUSEHOLD,  
 1980 AND 1988 CENSUSES.**

Atoll/Island	1980 Census		1988 Census	
	Number of Households	Persons Per Household	Number of Households	Persons Per Household
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
Namorik	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	-	-	-	-
Utrik	41	8.2	53	7.7
Wotho	11	7.7	16	5.6
Wotje	73	7.3	79	8.2
Marshall Islands	3,871	8.0	4,923	8.8

Note: 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. (Majuro, RMI).

TABLE : 3.2  
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
1. Ailinglaplap	1,715	200	147	649	65	44	349	12	195	54
2. Ailuk	488	72	45	182	21	11	105	6	43	3
3. Arno	1,656	188	156	701	52	30	173	22	330	4
4. Aur	438	60	52	190	7	8	55	4	58	4
5. Bikini	10	3	-	-	-	-	-	-	-	7
6. Ebon	741	90	62	282	18	13	120	13	135	8
7. Enewetak	715	103	76	248	23	18	79	11	155	2
8. Jabat	112	17	11	38	1	1	10	2	27	5
9. Jaluit	1,709	203	154	663	50	38	253	7	229	112
10. Kili	602	81	67	189	13	7	60	11	65	109
11. Kwajalein	9,311	950	789	3,116	432	355	1,418	135	1,937	179
12. Lae	319	25	22	120	29	12	53	7	51	-
13. Lib	115	16	12	47	2	2	23	-	6	7
14. Likiep	482	71	54	212	11	9	73	6	46	-
15. Majuro	19,664	2,228	1,803	6,504	716	626	2,617	389	4,152	629
16. Maloelap	796	103	82	307	28	21	130	12	106	7
17. Mejit	445	48	37	141	17	13	88	2	72	27
18. Mili	854	98	70	350	15	15	81	15	200	10
19. Namorik	814	96	67	369	23	18	95	11	119	16
20. Namu	801	86	47	207	38	30	187	8	169	29
21. Rongelap	-	-	-	-	-	-	-	-	-	-
22. Ujae	448	37	32	159	30	20	112	-	38	20
23. Ujelang	-	-	-	-	-	-	-	-	-	-
24. Utirik	409	53	46	143	13	9	41	7	86	11
25. Wotho	90	16	12	37	-	-	12	2	11	-
26. Wotje	646	79	52	213	19	10	92	6	175	-
Marshall Islands	43,380	4,923	3,895	15,067	1,623	1,310	6,226	688	8,405	1,243
Percentage	100.0	11.3	9.0	34.7	3.7	3.0	14.4	1.6	19.4	2.9

Source: Census of Population and Housing, 1988

TABLE : 3.3 (a)  
NUMBER OF HOUSEHOLDS AND PERSONS BY ATOLL / ISLAND AND  
PLACE IN ATOLL / ISLAND.

Atoll / Island	Place Name	No. of Households	No. of Persons
1. AILINGLAPLAP	1 MEJIL	7	57
	2 JEH	44	367
	3 TOBOMARO	1	9
	4 AIRUK	46	370
	5 JABWAN	14	117
	6 BUOJ	29	285
	7 ENEWE	3	22
	8 WOJA	44	406
	9 BERAN	2	19
	10 KATTEJ	4	29
	11 MEAJOK	2	8
	12 BIKER	3	17
	13 ENNAK	1	9
TOTAL		200	1,715
2. AILUK	1 KAPEN	3	14
	2 ENEJABROK	5	43
	3 ENEJELAR	10	55
	4 BIGEN	1	8
	5 AJELEP	1	4
	6 ALIEJ	2	14
	7 BARORKAN	1	3
	8 MARIB	1	8
	9 AILUK	47	333
	10 AKILWE	1	6
	TOTAL		72
3. ARNO	1 NAMWI	1	9
	2 MWEJRIK	2	16
	3 BIKONELE	1	5
	4 BIKAREJ	8	66
	5 ENEAITOK	1	11
	6 AJMANOL	1	7
	7 KABINBOK	1	3
	8 ENEWETO	1	10
	9 TODO	5	106
	10 KEJBWE	1	4
	11 JILANE	1	19
	12 ENRIK	1	4
	13 TAKLEP	1	5
	14 BOKEN	2	16
	15 LANGOR	18	162
	16 REARLAPLAP	31	254
	17 ILOEN	4	27
	18 KOLALEN	1	5
	19 AUTLEP	1	5
	20 EJELTOKROK	51	429
	21 KOBJELTAK	38	331
	22 ULIEN	17	162
TOTAL		188	1,656

(Continued)

TABLE : 3.3 (b)  
 NUMBER OF HOUSEHOLDS AND PERSONS BY ATOLL / ISLAND AND  
 PLACE IN ATOLL / ISLAND (continued).

Atoll / Island	Place Name	No. of Households	No. of Persons
4. AUR	1 TABAL	31	219
	2 AUR	29	219
	TOTAL	60	438
5. BIKINI	1 ENEU	3	10
	TOTAL	3	10
6. EBON	1 JITTAKEN	27	209
	2 JITTOEN	21	188
	3 ENEARMIJ	1	5
	4 EMEJ	1	3
	5 ENILOK	4	17
	6 TOKA	30	267
	7 ENEKOION	6	52
	TOTAL	90	741
7. ENEWETAK	1 MEDREN	22	121
	2 ENEWETAK	81	594
	TOTAL	103	715
8. JABAT	1 JABAT	17	112
	TOTAL	17	112
9. JALUIT	1 DEN	2	2
	2 WOTLE	1	10
	3 LONONE	3	38
	4 NARMEJ	9	93
	5 BUKANTORAK	1	8
	6 NANIJ	1	2
	7 MEJATTO	10	65
	8 IMROJ	15	140
	9 AJEJEN	4	34
	10 IMIEJ	18	158
	11 JABWOR	78	674
	12 JALUIT	30	246
	13 EWO	3	13
	14 MENGE	1	3
	15 MEJRIROK	16	144
	16 AE	2	13
	17 PINGLEP	2	7
	18 JABNOREN	5	44
	19 BOKANAKE	1	15
	TOTAL	202	1,709
10. KILI	1 KILI	81	602
	TOTAL	81	602

(Continued)

TABLE : 3.3 (c)

NUMBER OF HOUSEHOLDS AND PERSONS BY ATOLL / ISLAND AND  
PLACE IN ATOLL / ISLAND (continued).

Atoll / Island	Place Name	No. of Households	No. of Persons
11. KWAJALEIN	1 ROI NAMUR	0	0
	2 ENUBIRR (SANTO)	64	494
	3 NINGI	1	6
	4 GUGEEGUE	3	16
	5 EBIAJI (SHELL)	1	13
	6 NORTH LOI	1	21
	7 SOUTH LOI	1	4
	8 EBİYEYE	822	8,324
	9 EBIJERIKKU (BIG BUSTER)	1	10
	10 ORUBEBBU	1	5
	11 KWAJALEIN	0	0
	12 ENUBUJ (CARLSON)	2	14
	13 ENNYLABEGAN (CARLOS)	8	67
	14 MEJATTO	37	282
	15 EBADON	7	49
	16 ARBWA	1	6
	TOTAL	950	9,311
12. LAE	1 RIBON	1	5
	2 LEJAB	1	4
	3 LAE	22	296
	4 ENEREIN	1	14
	TOTAL	25	319
13. LIB	1 LIB	16	115
	TOTAL	16	115
14. LIKIEP	1 MELANG	11	64
	2 JEBAL	8	74
	3 LIKIEP	52	344
	TOTAL	71	482
15. MAJURO	1 JELTE	3	24
	2 RONGRONG	12	245
	3 CALALEN	2	19
	4 BIKEN	1	8
	5 ENEMONET	1	6
	6 DENMEO	1	7
	7 BOKMEJ	2	14
	8 DRIREJ	3	16
	9 GARRA	1	9
	10 EJIT	27	170
	11 ENEARMU	1	3
	12 DJARRIT (RITA)	736	6,813
	13 ULIGA	235	2,144
	14 DALAP	600	5,692
	15 RAIROK (LONG ISLAND)	305	2,021
	16 AJELTAKE	66	556

(Continued)

TABLE : 3.3 (d)  
NUMBER OF HOUSEHOLDS AND PERSONS BY ATOLL / ISLAND AND  
PLACE IN ATOLL / ISLAND (continued).

Atoll / Island	Place Name	No. of Households	No. of Persons
15. Majuro (con't)	17 WOJA	28	224
	18 ARRAK	16	118
	19 LAURA	188	1,575
	TOTAL	2,228	19,664
16. MALOELAP	1 KABEN	31	246
	2 JANG	15	106
	3 WOLOT	13	103
	4 TARWA	20	147
	5 AIROK	24	194
	TOTAL	103	736
17. MEJIT	1 MEJIT	43	445
	TOTAL	43	445
18. MILI	1 LUKONWOR	9	67
	2 ENAJET	17	154
	3 MILI	42	390
	4 NALU	22	169
	5 TCKEWA	9	74
	TOTAL	99	854
19. NAMORIK	1 NAMORIK	96	814
	TOTAL	96	814
20. NAMU	1 NAMU	29	233
	2 MAJKIN	30	227
	3 ENEMAK	1	5
	4 MAE	13	151
	5 LOEN	13	107
	6 LUKOJ	1	8
	TOTAL	87	801
21. UJAE	1 UJAE	37	448
	TOTAL	37	448
22. UTIRIK	1 UTIRIK	53	409
	TOTAL	53	409
23. WOTHO	1 WOTHO	16	90
	TOTAL	16	90

(continued)

TABLE : 3.3 (e)  
 NUMBER OF HOUSEHOLDS AND PERSONS BY ATOLL / ISLAND AND  
 PLACE IN ATOLL / ISLAND (conclusion).

Atoll / Island	Place Name	No. of Households	No. of Persons
24. WOTJE	1 WORMEJ	18	184
	2 KAIJEN	1	7
	3 BODAO	1	15
	4 WOTJE	46	360
	5 ENEJELTAK	1	3
	6 UKON	1	5
	7 WETWIROK	1	5
	8 KABEN	1	9
	9 NIBUN	8	54
	10 KAMAJO	1	4
	TOTAL	79	646
	GRAND TOTAL	4,924	43,380

Source: Census fo Population and Housing, 1988.

TABLE : 3.4  
MARITAL STATUS BY AGE AND SEX, 1988.

Age Group (Years)	Sex	Total	Single	Married	Divorced/ Separated	Widowed	Not Stated
12 - 14	M	1,780	1,771	7	0	0	2
	F	1,613	1,592	17	3	1	0
15 - 19	M	2,104	1,956	145	1	1	1
	F	1,981	1,511	445	21	4	0
20 - 24	M	1,686	863	810	11	1	1
	F	1,824	531	1,230	54	9	0
25 - 29	M	1,520	379	1,120	18	3	0
	F	1,507	221	1,225	50	11	0
30 - 34	M	1,348	208	1,114	21	5	0
	F	1,308	123	1,144	29	12	0
35 - 44	M	1,963	196	1,736	22	8	1
	F	1,716	121	1,503	49	43	0
45 - 54	M	935	69	840	12	14	0
	F	779	38	653	23	65	0
55 - 59	M	359	19	310	11	19	0
	F	321	19	232	6	64	0
60 - 64	M	313	16	262	9	26	0
	F	322	23	212	13	74	0
65+	M	591	39	413	20	119	0
	F	667	46	292	20	309	0
TOTAL	M	12,599	5,516	6,757	125	196	5
	%	100.0	43.8	53.6	1.0	1.6	0.0
	F	12,038	4,225	6,953	268	592	0
	%	100.0	35.1	57.8	2.2	4.9	0.0

Source: Census of Population and Housing, 1988.

TABLE : 3.5  
MARITAL STATUS BY AGE AND SEX, CENSUS 1980

Age Group (Years)	Sex	Total	Single	Married	Divorced/ Seperated	Widowed
15 - 19	M	1,434	1,322	103	8	1
	F	1,522	1,085	416	16	5
20 - 24	M	1,223	586	625	12	-
	F	1,378	400	922	49	7
25 - 29	M	1,142	244	872	23	3
	F	1,083	146	884	44	9
30 - 34	M	930	115	793	19	3
	F	849	66	746	30	7
35 - 44	M	1,044	70	951	17	6
	F	911	58	791	36	26
45 - 54	M	785	37	679	42	27
	F	723	26	607	33	57
55 - 59	M	332	19	266	25	22
	F	332	11	239	19	63
60 - 64	M	359	10	286	36	27
	F	283	16	183	15	69
65+	M	447	28	306	39	74
	F	517	26	211	30	250
TOTAL	M	7,696	2,431	4,881	221	163
	%	100.0	31.6	63.4	2.9	2.1
	F	7,598.0	1,834.0	4,999.0	272.0	493.0
	%	100.0	24.1	65.8	3.6	6.5

Source: U.S. Bureau of Census

TABLE : 3.6  
POPULATION BY CITIZENSHIP FOR ATOLLS / ISLANDS, 1988.

Atoll/Island	Marshallese		Non - Marshallese						
	Total	Mar-shallese	Total	Other Micro-nesians	Other Pacific	Philip-pines	Other Asian	United States	Other
1. Ailinglaplap	1,715	1,702	13	8	-	-	-	5	-
2. Ailuk	488	487	1	-	-	-	-	1	-
3. Arno	1,656	1,644	12	3	-	-	-	8	1
4. Aur	438	438	-	-	-	-	-	-	-
5. Bikini	10	8	2	-	-	2	-	-	-
6. Ebon	741	739	2	-	-	-	-	2	-
7. Enewetak	715	702	13	9	-	-	1	3	-
8. Jabat	112	112	-	-	-	-	-	-	-
9. Jaluit	1,709	1,689	20	10	-	1	-	9	-
10. Kili	602	593	9	4	1	4	-	-	-
11. Kwajalein	9,311	9,028	283	162	1	52	-	68	-
12. Lae	319	319	-	-	-	-	-	-	-
13. Lib	115	115	-	-	-	-	-	-	-
14. Likiep	482	480	2	-	-	-	-	2	-
15. Majuro	19,664	18,732	932	444	40	178	70	187	13
16. Maloelap	796	792	4	2	-	-	-	2	-
17. Mejit	445	444	1	-	-	-	-	1	-
18. Mili	854	811	43	39	-	-	-	4	-
19. Namorik	814	794	20	17	-	-	-	3	-
20. Namu	801	797	4	-	-	-	-	4	-
21. Ujae	448	447	1	-	-	-	-	1	-
22. Utirik	409	409	-	-	-	-	-	-	-
23. Wotho	90	89	1	-	-	-	-	1	-
24. Wotje	646	645	1	-	-	-	-	1	-
Marshall Islands	43,380	42,016	1,364	698	42	237	71	302	14
Percentage	100.0	96.9	3.1	1.6	0.1	0.5	0.2	0.7	0.0

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

**TABLE : 3.7**  
**POPULATION BY CITIZENSHIP, 1988.**

Citizenship	Total	Percent
Marshallese	42,016	96.9
Other Micronesians	698	1.6
Other Pacific	42	0.1
Filippino	237	0.5
Other Asian	71	0.2
United States	302	0.7
Other	14	0.0
<b>TOTAL</b>	<b>43,380</b>	<b>100</b>

Source: Census of Population and Housing, Office of Planning and Statistics,  
1988

**TABLE : 3.8**  
**POPULATION BY ETHNIC ORIGIN, 1980**

Origin	Total	Percent
Marshallese	29,816	96.6
Other Micronesians	230	0.7
Other Pacific	304	1.0
Filippino	76	0.2
Other Asian	22	0.1
Other Ethnic Origin	59	0.2
Not specified or not reported	366	1.2
<b>TOTAL</b>	<b>30,873</b>	<b>100</b>

Source: 1980 Census of Population, U.S. Bureau of Census

## **SECTION 4**

### **4. EDUCATION**

#### **4. Education**

A total of 14,463 students were enrolled in public and private primary and secondary schools in the Marshall Islands in 1991/92. 67.5% percent of them attended public schools, while the remaining 32.5% attended private schools. A total of 12,248 children were enrolled in the first eight grades and 8,866 (or almost 72%) attended public primary schools. Enrollment significantly drops after grade eight and, in contrast to the primary schools, most students then attend private schools (60% attends private secondary schools compared to and 40% attending public secondary schools).

It is observed that over the last three years enrollment of students in private schools is increasing at a higher rate than that of the public schools.

In 1991/92 a total of 102 primary schools were in operation (76 public and 26 private). One teacher in a private primary school on an average taught to 18.3 children, while his counterpart in a public school was teaching 23.8 children. Comparable figures for a secondary school were 17.6 and 14.4 respectively.

TABLE : 4.1  
PUBLIC PRIMARY SCHOOL PUPILS BY ATOLL / ISLAND, 1982/1983 - 1991/1992.

Atoll/Island	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92
Ailinglaplap	274	388	386	391	396	446	564	501	457	491
Ailuk	125	140	143	140	165	157	131	150	157	165
Arno	327	410	442	451	430	442	477	466	419	482
Aur	151	173	158	148	148	166	137	136	140	118
Ebon	244	252	278	258	235	268	243	274	286	294
Enewetak	141	125	141	166	193	186	189	221	174	188
Jabat	29	27	26	26	25	22	36	28	45	36
Jaluit	360	351	366	399	378	360	417	429	455	445
Kili	116	83	118	112	110	107	143	143	154	213
Kwajalein	918	964	1,104	1,112	1,119	1,321	1,357	1,195	1,215	1,448
Lae	71	64	87	73	81	86	94	96	102	98
Lib	41	35	34	40	50	46	41	39	45	38
Likiep	162	167	166	160	160	140	151	150	158	165
Majuro	1,906	2,103	2,302	2,509	2,634	2,816	3,392	3,231	2,978	3,106
Maloelap	247	239	225	228	242	271	256	244	220	249
Mejit	120	113	130	129	116	120	131	131	131	135
Mili	209	192	207	242	258	275	273	257	252	267
Namorik	224	259	260	252	257	264	259	261	279	258
Namu	216	215	247	236	241	248	254	261	240	253
Ujae	85	95	100	118	125	113	129	119	119	151
Ujelang	-	-	29	23	91	-	-	-	-	-
Uririk	111	104	33	35	109	104	114	109	112	83
Wotho	29	33	35	32	45	35	48	32	46	51
Wotje	177	201	224	209	172	162	179	182	160	177
<b>TOTAL:</b>	<b>6,283</b>	<b>6,733</b>	<b>7,241</b>	<b>7,489</b>	<b>7,780</b>	<b>8,155</b>	<b>9,015</b>	<b>8,655</b>	<b>8,344</b>	<b>8,911</b>

Source: Ministry of Education

TABLE : 4.2

PUBLIC PRIMARY SCHOOLS BY ATOLL/ISLAND, 1982-83 - 1991/92.

Atoll/Island	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/9	1991/92
Ailinglaplap	4	5	5	6	7	7	8	8	8	8
Ailuk	2	2	2	2	2	2	2	2	3	3
Arno	9	9	9	9	8	9	9	9	9	9
Aur	2	2	2	2	2	2	2	2	2	2
Ebon	3	3	3	3	3	3	3	3	3	3
Enewetak	1	1	2	2	2	1	2	2	2	2
Jabat	1	1	1	1	1	1	1	1	1	1
Jaluit	7	8	8	8	8	8	8	8	8	8
Kili	1	1	1	1	1	1	1	1	2	2
Kwajalein	4	5	4	4	4	4	4	4	4	4
Lae	1	1	1	1	1	1	1	1	1	1
Lib	1	1	1	1	1	1	1	1	1	1
Likiep	4	4	4	3	3	3	3	3	3	3
Majuro	5	5	5	5	5	5	7	7	7	7
Maloelap	5	5	5	5	5	5	5	5	5	5
Mejit	1	1	1	1	1	1	1	1	1	1
Mili	5	5	5	5	5	5	5	5	5	5
Namorik	1	1	1	1	1	1	1	1	1	1
Namu	4	4	4	4	4	4	4	4	4	4
Ujae	1	1	1	1	1	1	1	1	1	1
Ujelang	-	-	1	1	1	-	-	-	-	-
Utrik	1	1	1	1	1	1	1	1	1	1
Wotho	1	1	1	1	1	1	1	1	1	1
Wotje	2	2	2	2	2	2	3	3	3	3
Total	66	69	70	70	70	69	74	74	76	76

Source: Ministry of Education

TABLE : 4.3  
PRIVATE PRIMARY SCHOOLS BY ATOLL/ISLAND, 1982/83 - 1991/92.

Atoll/Island	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92
Ailinglaplap	3	3	1	1	1	1	1	1	1	2
Ailuk	-	-	-	-	-	-	-	-	-	1
Arno	2	2	1	1	2	2	2	2	2	3
Jaluit	2	2	2	2	2	1	2	2	2	2
Kwajalein	3	4	5	4	5	5	5	5	6	6
Majuro	7	7	6	8	8	7	8	8	8	10
Namu	1	1	1	1	1	1	1	1	1	1
Wotje	-	-	-	-	-	-	-	-	-	1
Total:	18	19	16	17	20	18	20	20	21	26

Source: Ministry of Education.

TABLE: 4.4  
PRIVATE PRIMARY SCHOOL PUPILS BY ATOLLS AND ISLANDS, 1982/83 - 1991/92.

Atoll/Island	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92
Ailinglaplap	64	94	115	76	78	60	60	60	55	96
Ailuk	-	-	-	-	-	-	-	-	-	69
Arno	77	105	84	97	107	129	133	123	143	137
Jaluit	109	95	106	79	96	61	112	90	112	116
Kwajalein	654	829	784	768	835	944	1,015	1,015	916	1,249
Majuro	886	997	969	1,075	1,077	1,043	1,171	1,171	1,325	1,614
Namu	37	23	12	21	25	32	22	26	26	32
Wotje	-	-	-	-	36	52	53	47	60	69
Total:	1,827	2,143	2,070	2,116	2,254	2,321	2,566	2,532	2,637	3,382

Source: Ministry of Education.

TABLE : 4.5  
PUBLIC PRIMARY SCHOOL TEACHERS AND NUMBER OF STUDENTS PER TEACHER BY ATOLL/ISLAND, 1983/84 - 1991/92.

Atoll/Island	1984/85		1985/86		1986/87		1987/88		1988/89		1989/90		1990/91		1991/92	
	T	Students Per T														
Allinglaplap	18	21.4	20	19.5	23	17.2	25	17.8	28	20.1	29	17.3	28	16.3	28	17.5
Alluk	6	23.8	6	23.3	6	27.5	8	19.6	7	18.7	8	17.7	6	26.2	7	23.8
Arno	18	24.5	19	23.7	21	20.4	23	19.2	22	21.7	23	20.3	23	18.2	24	20.1
Aur	5	31.6	6	24.6	6	24.6	7	23.7	7	19.6	6	22.7	10	14.0	7	16.9
Ebon	10	27.8	13	19.8	9	26.1	11	24.4	12	20.3	13	21.1	13	22.0	13	22.6
Enewetak	5	28.2	6	0.5	6	32.1	4	46.5	9	21.0	11	20.1	8	21.8	9	20.9
Jabat	1	26.0	2	8.0	3	8.3	2	11.0	2	18.0	1	28.0	2	22.5	2	18.0
Jaluit	18	20.3	19	21.0	16	23.6	17	21.2	20	20.9	17	25.2	19	24.0	16	24.7
Kili	6	19.6	7	16.0	7	15.7	8	13.4	7	20.4	7	20.4	9	17.1	11	19.4
Kwajalein	32	32.2	38	27.3	41	25.5	38	34.8	53	25.6	45	26.6	43	28.3	35	41.4
Lae	2	43.5	2	36.5	2	40.5	3	28.7	3	31.3	4	24.0	2	51.0	4	24.5
Lib	2	17.0	1	40.0	2	25.0	2	23.0	2	20.5	2	19.5	2	23.0	2	19.0
Likiep	7	23.7	5	32.0	6	26.6	7	20.0	8	16.9	8	18.8	8	19.8	8	20.6
Majuro	83	27.7	87	28.8	92	28.6	100	28.2	119	28.5	119	27.2	98	30.4	95	32.7
Maicelap	11	20.4	10	22.8	12	20.1	9	30.1	13	19.7	13	18.8	11	20.0	13	19.2
Mejit	7	18.5	7	18.4	7	16.5	6	20.0	6	21.8	5	26.2	6	21.8	6	22.5
Mill	9	23.0	9	26.8	9	28.6	9	30.6	10	27.3	9	28.6	8	31.5	10	26.7
Namorik	9	23.8	9	28.0	9	28.5	9	29.3	11	23.5	9	29.0	11	25.4	9	28.7
Namu	9	27.4	12	19.6	11	21.9	10	24.8	12	21.2	11	23.7	11	21.8	11	23.0
Rongelap	3	24.3	3	24.0	2	36.0	-	-	-	-	-	-	-	-	-	-
Ujae	3	33.3	3	39.3	3	41.6	2	56.5	4	32.3	4	29.8	2	59.5	4	37.8
Ujelang	1	29.0	1	23.0	2	45.5	-	-	-	-	-	-	-	-	-	-
Utrik	3	11.0	3	11.6	4	27.2	4	26.0	5	22.8	4	27.3	3	37.3	5	16.6
Wotho	2	17.5	2	16.0	2	22.5	2	17.5	2	24.0	2	16.0	2	23.0	2	25.5
Wotje	6	37.3	6	34.8	8	21.5	9	18.0	10	17.9	9	20.2	10	16.0	7	25.3
Average :		26.5		25.5		24.9		25.9		24.2		23.0		25.7		23.8
Total :	276		296		309		315		372		359		335		330	

Note : The teacher count does not include 'Peace Corps Volunteers', Culture Teachers, or teacher aides paid by Local Councils.

Source: Ministry of Education.

TABLE : 4.6  
PRIVATE PRIMARY SCHOOL TEACHERS AND NUMBER OF STUDENTS PER TEACHER BY ATOLL/ISLAND, 1983/84 - 1991/92

Atoll/Island	1983/84		1984/85		1985/86		1986/87		1987/88		1988/89		1989/90		1990/91		1991/92	
	T	Students per teacher																
Ailinglaplap	6	15.7	3	38.3	2	38.0	2	39.0	6	10.0	5	12.0	6	10.0	5	11.0	8	12.0
Alluk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.8
Arno	5	21.0	7	12.0	8	12.1	8	13.4	7	18.4	8	16.6	8	15.4	8	17.9	11	12.5
Jaluit	11	8.6	10	10.6	8	9.9	10	9.6	6	10.2	9	12.4	8	11.3	8	14.0	7	16.6
Kwajalein	32	25.9	40	19.6	41	18.7	43	19.4	47	20.1	44	23.1	50	20.3	53	17.3	52	24.0
Majuro	58	17.2	46	21.1	56	19.2	69	15.6	74	14.1	68	17.2	79	14.8	68	19.5	94	17.2
Namu	2	11.5	1	12.0	1	21.0	1	25.0	1	32.0	2	11.0	2	13.0	2	13.0	4	8.0
Wotje	-	-	-	-	-	-	-	2	18.0	4	13.0	4	11.8	4	15.0	4	17.3	
Average :		18.8		19.3		16.9		16.7		16.0		18.3		16.1		17.8		18.3
Total :	114	107		116		135		145		140		157		148		185		

Note: "T" stands for Teachers

Source: Ministry of Education

TABLE : 4.7  
NUMBER OF TEACHERS AND PUPILS IN PUBLIC AND PRIVATE SECONDARY  
SCHOOLS BY ATOLL, ENROLLMENT YEARS 1987/88 - 1991/92

Atoll	1987/88			1988/89			1989/90			1990/91			1991/92		
	Number of Teachers	Number of Students	Number per Teacher	Students	Number of Teachers	Number per Teacher	Students	Number of Teachers	Number per Teacher	Students	Number of Teachers	Number per Teacher	Students	Number of Teachers	Number per Teacher
<b>Public :</b>															
Jaluit	18	192	10.7	15	185	12.3	15	185	12.3	17	185	10.9	22	226	10.3
Majuro	39	601	15.4	46	706	15.3	46	706	15.3	46	682	14.8	40	668	16.7
Average Total															14.4
Private															
Kwajalein	30	249	8.3	11	292	26.5	11	292	26.5	19	346	18.2	19	417	21.9
Majuro	28	376	13.4	41	727	17.7	41	727	17.7	65	797	12.3	56	904	16.1
Average Total															17.6
Total average															
Grand total	115	1,418	12.3	113	1,910	16.9	113	1,910	16.9	147	2,010	13.7	137	2,215	16.2

Source : Ministry of Education.

**TABLE : 4.8**  
**PUBLIC PRIMARY AND SECONDARY SCHOOL ENROLLMENT BY GRADE AND SEX,**  
**1983/84 - 1991/92.**

Grade	Sex	1983/84	1984/85	1985/86	1986/87	987/88	1988/89	1989/90	1990/91	1991/92
1st	Both	1,182	1,234	1,254	1,222	1,361	1,516	1,381	1,089	1,582
	Male	650	663	655	639	703	794	713	547	817
	Female	532	571	599	583	658	722	668	542	765
2nd	Both	933	1,095	1,063	1,089	1,133	1,296	1,189	1,137	992
	Male	501	566	560	555	584	688	640	592	520
	Female	432	529	503	534	549	608	549	545	472
3rd	Both	935	1,001	1,051	1,010	1,052	1,190	1,203	1,232	1,213
	Male	491	524	558	524	553	614	614	642	655
	Female	444	477	493	486	499	576	589	590	558
4th	Both	842	958	957	1,026	1,046	1,061	1,123	1,132	1,111
	Male	459	478	503	522	566	559	591	571	606
	Female	383	480	454	504	480	502	532	561	505
5th	Both	782	829	923	928	988	1,089	1,032	1,088	1,125
	Male	379	447	486	486	508	585	540	562	586
	Female	403	382	437	442	480	504	492	526	539
6th	Both	717	750	785	893	935	959	1,012	909	1,038
	Male	404	394	422	472	514	494	578	463	540
	Female	313	356	363	421	421	465	434	446	498
7th	Both	665	740	777	769	828	899	896	920	869
	Male	353	413	410	401	448	471	422	501	443
	Female	312	327	367	368	380	428	474	419	426
8th	Both	677	702	744	771	812	883	867	837	936
	Male	356	379	378	398	407	444	434	393	491
	Female	321	323	366	373	405	439	433	444	445
<b>Total Primary :</b>		<b>6,733</b>	<b>7,309</b>	<b>7,554</b>	<b>7,708</b>	<b>8,155</b>	<b>8,893</b>	<b>8,703</b>	<b>8,344</b>	<b>8,866</b>
	Both	3,593	3,864	3,972	3,997	4,283	4,649	4,532	4,271	4,658
	Male	3,140	3,445	3,582	3,711	3,872	4,244	4,171	4,073	4,208
9th	Both	300	317	313	290	270	300	242	247	325
	Male	142	144	139	152	125	134	106	125	152
	Female	158	173	174	138	145	166	136	122	173
10th	Both	231	220	242	238	239	261	254	226	225
	Male	108	97	121	147	122	132	133	114	109
	Female	123	123	121	91	117	129	121	112	116
11th	Both	167	181	161	171	155	200	207	214	179
	Male	83	96	77	90	99	99	103	108	92
	Female	84	85	84	81	56	101	104	106	87
12th	Both	136	137	133	126	129	156	169	180	165
	Male	78	69	53	80	56	69	75	89	81
	Female	58	68	80	46	73	87	94	91	84
<b>Total Secondary :</b>		<b>834</b>	<b>855</b>	<b>849</b>	<b>825</b>	<b>793</b>	<b>917</b>	<b>872</b>	<b>867</b>	<b>894</b>
	Both	411	406	390	469	402	434	417	436	434
	Male	423	449	459	356	391	483	455	431	460
<b>Grand Total :</b>		<b>7,567</b>	<b>8,164</b>	<b>8,403</b>	<b>8,533</b>	<b>8,948</b>	<b>9,784</b>	<b>9,575</b>	<b>9,211</b>	<b>9,760</b>
	Both	4,004	4,270	4,362	4,466	4,685	5,088	4,949	4,707	5,092
	Male	3,563	3,894	4,041	4,067	4,263	4,696	4,626	4,504	4,668

Source : Ministry of Education.

FIGURE - 9  
PUBLIC AND PRIVATE SCHOOL ENROLLMENT 1983 - 1991

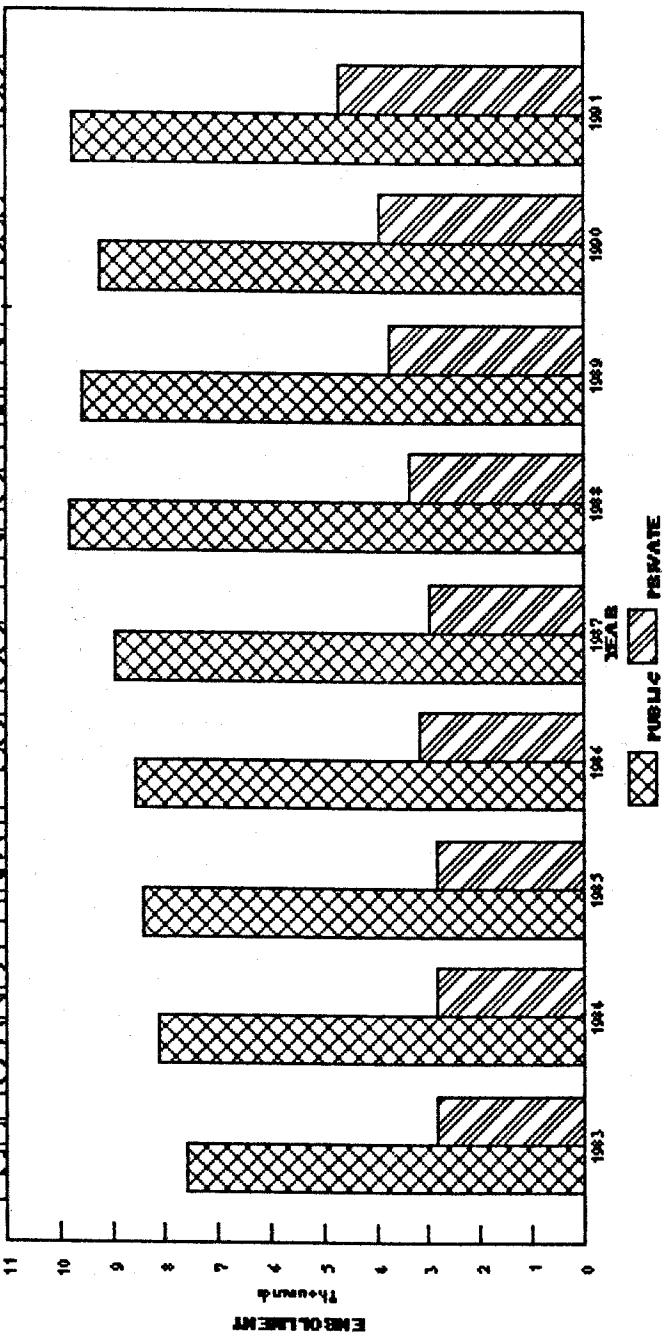


FIGURE – 10  
SCHOOL ENROLLMENT BY GRADE, 1990/1991

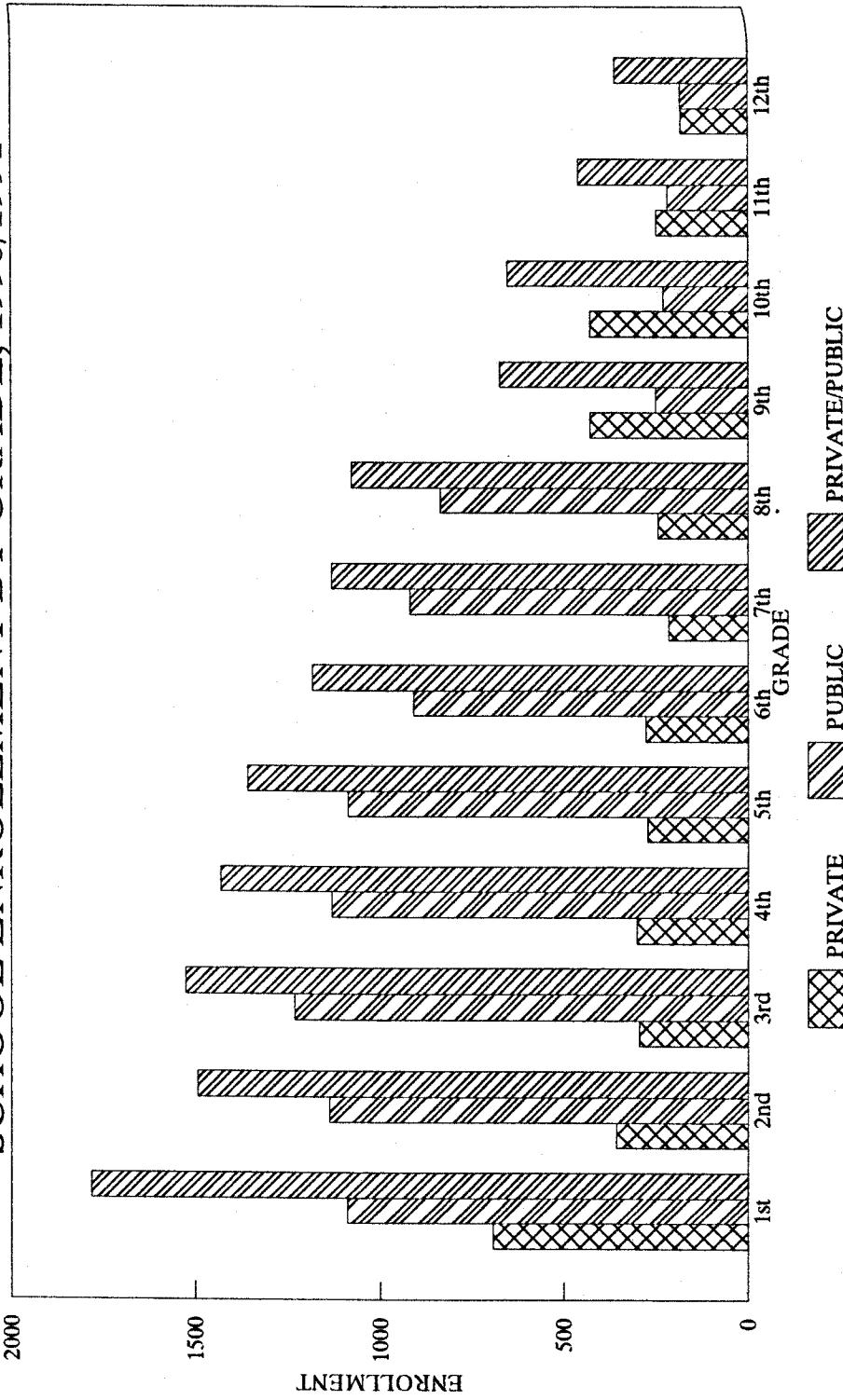


TABLE : 4.9  
 NUMBER OF STUDENTS GRADUATED IN JUNE 1989, JUNE 1990, AND JUNE 1991  
 FROM EIGHTH GRADE BY SEX AND ATOLL, PUBLIC SCHOOLS ONLY.

Atoll/Island	JUNE 1989			JUNE 1990			JUNE 1991		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
Ailinglaplap	61	33	28	48	27	21	49	21	28
Ailuk	21	15	6	16	7	9	25	11	14
Arno	33	17	16	36	16	20	41	25	16
Aur	11	5	6	14	8	6	15	5	10
Ebon	34	13	21	31	16	15	34	22	12
Enewetak	12	7	5	18	10	8	7	2	5
Jabat	0	0	0	4	1	3	4	3	1
Jaluit	54	26	28	59	31	28	54	23	31
Kili	9	5	4	9	3	6	10	5	5
Kwajalein	119	59	60	114	59	55	116	48	68
Lae	10	7	3	6	2	4	6	5	1
Lib	7	3	4	3	1	2	3	0	3
Likiep	16	7	9	18	11	7	13	6	7
Majuro	330	162	168	331	165	166	309	140	169
Maloelap	31	14	17	28	11	17	20	9	11
Mejit	9	6	3	9	6	3	9	6	3
Mili	26	16	10	29	10	19	26	13	13
Namorik	17	8	9	18	10	8	17	8	9
Namu	21	7	14	27	15	12	34	17	17
Ujae	16	9	7	16	10	6	12	6	6
Utrik	11	8	3	10	3	7	10	8	2
Wotho	3	3	0	3	2	1	3	2	1
Wotje	29	15	14	20	10	10	20	8	12
Total	880	445	435	867	434	433	837	393	444

Source: Ministry of Education

TABLE : 4.10  
PRIVATE PRIMARY AND SECONDARY SCHOOL ENROLLMENT BY GRADE AND SEX,  
1982/83 - 1991/92.

Grade	Sex	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92
1st	Both	296	349	336	292	419	393	425	482	693	933
	Male	154	167	175	148	194	193	214	259	346	507
	Female	142	182	161	144	225	200	211	223	347	426
2nd	Both	263	308	281	294	309	330	357	396	356	444
	Male	138	154	139	146	144	149	167	199	173	224
	Female	125	154	142	148	165	181	190	197	183	220
3rd	Both	261	300	288	253	285	281	318	338	293	410
	Male	125	148	144	125	152	148	138	164	158	219
	Female	136	152	144	128	133	133	180	174	135	191
4th	Both	238	281	274	265	282	286	280	326	298	358
	Male	117	153	136	129	151	138	137	135	138	183
	Female	121	128	138	136	131	148	143	191	160	175
5th	Both	214	244	256	243	268	248	242	297	270	336
	Male	87	119	120	109	115	142	134	148	128	162
	Female	127	125	136	134	153	106	108	149	142	174
6th	Both	215	215	211	218	248	264	233	253	274	318
	Male	101	106	97	103	121	119	125	122	142	153
	Female	114	109	114	115	127	145	108	131	132	165
7th	Both	169	218	206	176	236	245	228	270	212	306
	Male	77	110	101	83	113	123	103	134	109	147
	Female	92	108	105	93	123	122	125	136	103	159
8th	Both	171	228	218	218	207	274	244	278	241	277
	Male	83	111	115	95	95	124	117	119	120	141
	Female	88	117	103	123	112	150	127	159	121	136
<b>Total Primary :</b>											
Both		1,827	2,143	2,070	1,959	2,254	2,321	2,327	2,640	2,637	3,382
Male		882	1,068	1,027	938	1,085	1,136	1,135	1,280	1,310	1,736
Female		945	1,075	1,043	1,021	1,169	1,185	1,192	1,327	1,327	1,646
9th.	Both	237	246	275	296	337	227	439	469	426	488
	Male	127	106	136	139	183	120	222	240	201	247
	Female	110	140	139	157	154	107	217	229	225	241
10th.	Both	172	184	185	248	285	174	257	262	426	359
	Male	81	97	85	133	131	73	139	136	201	159
	Female	91	87	100	115	154	101	118	126	225	200
11th.	Both	129	142	172	187	171	145	167	210	245	264
	Male	56	72	99	83	90	68	73	109	120	130
	Female	73	70	73	104	81	77	94	101	125	134
12th.	Both	112	110	116	137	125	79	156	153	179	210
	Male	52	45	55	80	54	43	69	79	86	110
	Female	60	65	61	57	71	36	87	74	93	100
<b>Total Secondary</b>											
Both		650	682	748	868	918	625	1,019	1,094	1,276	1,321
Male		316	320	375	435	458	304	503	564	608	646
Female		334	362	373	433	460	321	516	530	668	675
<b>Grand Total</b>											
Both		2,477	2,825	2,818	2,827	3,172	2,946	3,346	3,734	3,913	4,703
Male		1,198	1,388	1,402	1,373	1,543	1,440	1,638	1,844	1,918	2,382
Female		1,279	1,437	1,416	1,454	1,629	1,506	1,708	1,857	1,995	2,321

Source: Ministry of Education.

TABLE: 4.11 (a)

STUDENTS AND DROP-OUTS BY FIELD OF STUDY UNDER SCHOLARSHIPS OF THE  
MARSHALL ISLAND SCHOLARSHIP, GRANT & LOAN BOARD, ACADEMIC YEAR 1988 - 89.

Field of study	Total Attended	Ongoing Students	Dropout/ Withdraws	Graduated
Accounting	5	4	1	-
Agriculture Science	5	3	-	2
Aircondition and Refrig. Technology	1	-	-	1
Appliance Repairment	1	1	-	-
Archive	1	-	1	-
Auditor	1	-	1	-
Automechanic	2	1	1	-
Aviation	1	1	-	-
Aviation Mechanic	2	1	1	-
Biology	2	1	-	1
Business	4	2	-	2
Business Administration	4	3	1	-
Business Management	3	2	-	1
Carpentry	2	2	-	-
Civil Engineering	3	2	1	-
Clerical	1	1	-	-
Computer Science	10	8	2	-
Computer Technology	1	1	-	-
Criminal Justice	3	3	-	-
Dentistry	2	2	-	-
Economics	1	1	-	-
Educational Administration	1	1	-	-
Educational Psychology	1	-	-	1
Electrical Technology	1	-	-	1
Electronics	3	2	-	1
Elementary Education	3	1	-	2
Engineering Technology	1	1	-	-
Heavy Equipment Technology	1	1	-	-
Human Services	1	1	-	-
International Relations	1	-	-	1
Law	4	3	-	1
Liberal Arts	3	2	1	-
Marine Biology	1	1	-	-
Mechanical Engineering	1	-	1	-
Medical Laboratory Tech.	1	1	-	-
Medicine (Doctor)	4	-	1	3
Nursing	4	1	2	1
Office Administration	1	1	-	-
Pharmacy	3	2	1	-
Physical Planning	1	-	1	-
Police Science	5	4	-	1
Political Science	1	1	-	-
Pre-Law	2	2	-	-
Pre-Medicine	3	2	1	-
Pre-Nursing	4	4	-	-
Psychology	1	1	-	-
Public Administration	3	3	-	-
Secretarial Science	1	1	-	-
Social Works	2	2	-	-
Special Education	3	3	-	-
Supply Management	1	-	1	-
<b>Total</b>	<b>117</b>	<b>80</b>	<b>18</b>	<b>19</b>

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

**TABLE: 4.11 (b)**  
**STUDENTS AND DROP-OUTS BY FIELD OF STUDY UNDER SCHOLARSHIPS OF THE**  
**MARSHALL ISLAND SCHOLARSHIP,GRANT & LOAN BOARD, ACADEMIC YEAR 1989 - 90.**

Field of study	Total Attended	Ongoing Students	Dropout/ Withdraws	Graduated
Accounting	10	8	2	-
Agriculture Science	9	6	-	3
Aircondition and Refrig. Technology	4	4	-	-
Appliance Repairment	1	1	-	-
Architechture	1	1	-	-
Auditor	-	-	-	-
Automechanic	3	1	-	2
Aviation Pilot	4	2	-	2
Aviation Mechanic	3	3	-	-
Biology	1	1	-	-
Business	-	-	-	-
Business Administration	8	7	-	1
Business Management	-	-	-	-
Carpentry	2	1	-	1
Civil Engineering	-	-	-	-
Clerical	12	5	1	6
Computer Science	6	6	-	-
Computer Technology	-	-	-	-
Criminal Justice	1	1	-	-
Dentistry	-	-	-	-
Drafting	1	1	-	-
Economics	3	3	-	-
Educational Administration	1	-	-	1
Educational Psychology	1	-	-	1
Electrical Technology	4	4	-	-
Electronics	2	2	-	-
Elementary Education	18	7	1	10
Engineering Technology	2	2	-	-
Food Services	4	4	-	-
General Studies	1	1	-	-
Graphic Design	1	1	-	-
Health Adminmination	1	1	-	-
Heavy Equipment Technology	3	2	-	1
Human Services	1	-	-	1
International Relations	-	-	-	-
Law	2	1	1	-
Law Enforcement	1	1	-	-
Liberal Arts	5	4	1	-
Marine Biology	1	1	-	-
Mechanical Engineering	-	-	-	-
Medical Laboratory Tech.	1	1	-	-
Medicine (Doctor)	-	-	-	-
Meteorology	1	1	-	-
Nursing	-	-	-	-
Office Administration	2	2	-	-
Pharmacy	1	1	-	-
Physical Planning	1	-	-	1
Police Science	8	3	-	5
Political Science	-	-	-	-
Pre Dentistry	1	1	-	-
Pre-Law	7	7	-	-
Pre-Medicine	10	10	-	-
Pre-Nursing	8	7	-	1
Psychology	2	2	-	-
Public Administration	4	2	2	-
Secretarial Science	3	3	-	-
Social Works	3	3	-	-
Sociology	1	1	-	-
Special Education	2	2	-	-
Supply Management	2	-	-	2
<b>Total</b>	<b>174</b>	<b>128</b>	<b>8</b>	<b>38</b>

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

**TABLE: 4.11 (c)**  
**STUDENTS AND DROP-OUTS BY FIELD OF STUDY UNDER SCHOLARSHIPS OF THE**  
**MARSHALL ISLAND SCHOLARSHIP, GRANT & LOAN BOARD, ACADEMIC YEAR 1990 - 91.**

Field of study	Total Attended	Ongoing Students	Dropout/ Withdraws	Graduated
Accounting	4	1	3	-
Agriculture Science	5	3	-	2
Aircondition and Refrig. Technology	5	3	-	2
Appliance Repairment	1	1	-	-
Architechure	0	-	-	-
Auditor	0	-	-	-
Automechanic	2	2	-	-
Aviation Pilot	1	1	-	-
Aviation Mechanic	2	2	-	-
Banking	1	1	-	-
Biology	2	1	-	1
Business	1	1	-	-
Business Administration	11	5	5	1
Business Management	2	1	-	1
Carpentry	6	5	-	1
Chemistry	1	1	-	-
Clerical	12	4	4	4
Computer Science	1	1	-	-
Counseling	1	-	-	1
Dentistry	0	-	-	-
Drafting	1	-	-	1
Economics	4	1	-	2
Educational Administration	0	-	-	-
Electrical Technology	4	2	-	2
Electronics	4	2	1	1
Elementary Education	14	10	2	2
Engineering Technology	3	1	1	1
General Studies	4	4	-	-
General Technology	2	1	-	1
Graphic Design	1	1	-	-
Heavy Equipment Technology	6	4	-	2
International Relations	0	-	-	-
Law Enforcement	1	-	-	1
Liberal Arts	2	-	-	2
Marine Biology	2	2	-	-
Mechanical Engineering	1	1	-	-
Medical Laboratory Tech.	1	1	-	-
Medicine (Doctor)	2	2	-	-
Meteorology	1	1	-	-
Nursing	0	-	-	-
Office Administration	3	-	2	1
Pharmacy	1	1	-	-
Police Science	4	4	-	-
Political Science	2	-	1	1
Pre Dentistry	1	1	-	-
Pre-Law	9	3	5	1
Pre-Medicine	5	2	3	-
Pre-Nursing	9	7	-	2
Psychology	2	2	-	-
Public Administration	1	-	-	1
Public Health	2	-	-	2
Secondary Education	1	1	-	-
Social Service	2	-	-	2
Social Works	2	-	-	2
Sociology	1	1	-	-
Telecommunication	1	1	-	-
Theology	1	1	-	-
Travel Industry	1	-	1	-
Youth/Human Service	1	-	-	1
<b>Total</b>	<b>156</b>	<b>88</b>	<b>31</b>	<b>37</b>

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

TABLE: 4.11 (d)

**STUDENTS AND DROP-OUTS BY FIELD OF STUDY UNDER SCHOLARSHIPS OF THE MARSHALL ISLAND SCHOLARSHIP, GRANT & LOAN BOARD, ACADEMIC YEAR 1991 - 92.**

Field of study	Total Attended	Ongoing Students	Dropout/ Withdraws	Graduated
Accounting	8	4	3	1
Agriculture Science	2	2	-	-
Aircondition and Refrig. Technology	6	1	3	2
Appliance Repairment	1	-	-	1
Automechanic	2	-	2	-
Aviation Pilot	4	-	2	2
Banking and Finance	1	-	1	-
Biology	4	4	-	-
Business	6	6	-	-
Business Administration	7	7	-	-
Business Education	4	2	-	2
Business Management	4	1	2	1
Carpentry	7	6	1	-
Chemistry	1	1	-	-
Clerical	3	3	-	-
Community Work	1	1	-	-
Computer Science	5	5	-	-
Counseling	1	-	1	-
Economics	2	1	-	1
Education	3	2	1	-
Educational Administration	1	1	-	-
Electrical Technology	10	4	1	5
Electronics	9	6	2	1
Elementary Education	7	-	1	6
Engineering Technology	2	1	-	1
Evangelism	1	-	-	1
Food Service	1	-	-	1
General Studies	2	1	1	-
Government	1	1	-	-
Health Administration	1	1	-	-
Heavy Equipment Technology	3	1	-	2
Home Economics	6	3	3	-
Human Services	1	1	-	-
International Business	1	1	-	-
Law	1	-	-	1
Law Enforcement	1	-	-	1
Liberal Arts	2	-	2	-
Marine Biology	1	1	-	-
Medicine (Doctor)	2	2	-	-
Nursing	8	4	4	-
Office Administration	1	-	1	-
Outboard Motor Technology	2	2	-	-
Police Science	4	2	1	1
Political Science	2	-	1	1
Pre-Law	9	4	5	-
Pre-Medicine	15	15	-	-
Personnel Management	1	-	1	-
Public Administration	3	2	-	1
Psychiatry	1	1	-	-
Secondary Education	1	1	-	-
Social Service	2	-	-	2
Secretarial Science	9	3	2	4
Social Science	3	2	-	1
Special Education	1	1	-	-
Telecommunication Management	1	1	-	-
Travel Industry	3	2	1	-
<b>Total</b>	<b>191</b>	<b>110</b>	<b>42</b>	<b>39</b>

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

TABLE : 4.12

STUDENTS BY AGE GROUP AND SEX UNDER SCHOLARSHIPS OF THE MARSHALL ISLANDS SCHOLARSHIP,  
GRANT & LOAN BOARD, ACADEMIC YEAR,S 1988/89 - 1991/92

Age Group	1988-89		1989-90		1990-91		1991-92	
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male
15 - 19	10	2	8	43	28	15	30	18
20 - 24	86	59	27	91	59	32	93	58
25 - 29	10	7	3	11	9	2	14	11
30 - 34	4	3	1	9	6	3	5	4
35 - 39	4	3	1	11	10	1	9	6
40 - 44	2	2	0	6	6	0	3	3
45 - 49	1	1	0	3	3	0	2	2
Total	117	77	40	174	121	53	156	102
							54	191
								122
								69

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

## **SECTION 5**

### **5. EMPLOYMENT**

## **5. Employment**

Information on activity status of the population has been collected from persons who are 15 years and above, the working age population. In 1988, 54.1% of the working age population was economically active and 72.7% of the economically active population was male.

Most recent detailed employment figures refer to 1988, i.e. Census data. When viewed by broad economic sector, 69.2% worked in services, 9.4% in the manufacturing sector and 21.4% in agriculture and fishing.

One third of the working population was working in the public sector, one third in the private sector and the balance was self employed or unpaid family workers. A total of 12.5% of the population 15 years and older was unemployed. Unemployment rates show regional differences, though. In Majuro Atoll 17% was unemployed, in Ebeye Island 13.7% and in the other areas only 5.3%. Age specific unemployment ranges from 62.7 for females in the age group 15-19 at Majuro Atoll to 0.0% for all areas in the age group 60 and above.

Employed population by major occupational group and by major industry are also presented in this chapter.

The Office of Planning and Statistics, as well as the Ministry of Interior and Outer Islands Affairs have more detailed information on occupation and industry at Atoll Level for 1988.

FIGURE - 11

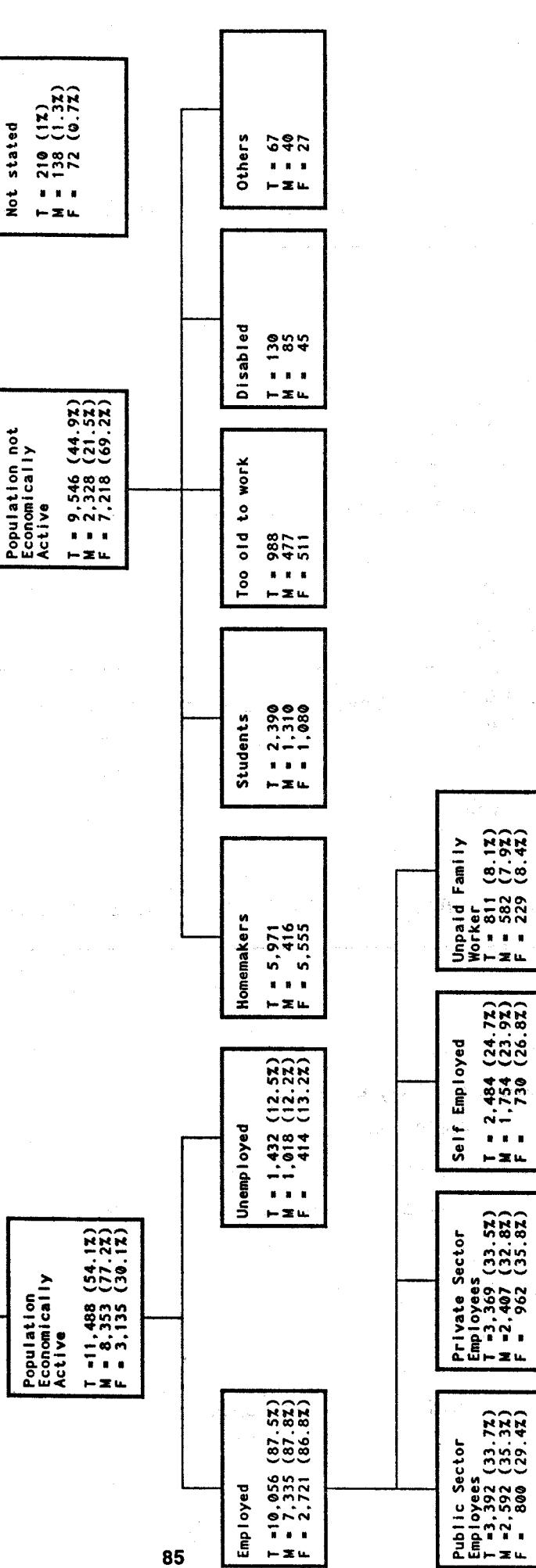
SUMMARY OF ECONOMICALLY ACTIVE AND NOT ECONOMICALLY ACTIVE POPULATIONS BY SEX - CENSUS 1988  
MARSHALL ISLANDS

<b>Working Age Population</b>	(15 years & over)
T = 21,244	
M = 10,819	
F = 10,425	

<b>Population Economically Active</b>	
T = 11,488 (54.1%)	
M = 8,353 (77.2%)	
F = 3,135 (30.1%)	

(15 years & over)

T = 21,244  
M = 10,819  
F = 10,425



**TABLE : 5.1****ECONOMICALLY ACTIVE, EMPLOYED AND UNEMPLOYED POPULATION - CENSUS 1980.**

	Total	Males	Females
<b>Total Population</b>	<b>30,873</b>	<b>15,851</b>	<b>15,022</b>
<b>Working Age Population (15 years &amp; over)</b>	<b>15,294</b>	<b>7,696</b>	<b>7,598</b>
<b>Percentage of Total Population</b>	<b>49.5</b>	<b>48.6</b>	<b>50.6</b>
<b>Economically Active Population</b>	<b>7,309</b>	<b>5,042</b>	<b>2,267</b>
<b>Percentage Economically Active of Working Age Population</b>	<b>47.8</b>	<b>65.5</b>	<b>29.8</b>
<b>Employed Population</b>	<b>6,598</b>	<b>4,587</b>	<b>2,011</b>
<b>Unemployed Population</b>	<b>711</b>	<b>455</b>	<b>256</b>
<b>Unemployment Rate</b>	<b>9.7</b>	<b>9.0</b>	<b>11.3</b>

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

**TABLE : 5.2****ECONOMICALLY ACTIVE, EMPLOYED AND UNEMPLOYED POPULATION - CENSUS 1988.**

	Total	Males	Females
<b>Total Population</b>	<b>43,380</b>	<b>22,181</b>	<b>21,199</b>
<b>Working Age Population (15 years &amp; over)</b>	<b>21,244</b>	<b>10,819</b>	<b>10,425</b>
<b>Percentage of Total Population</b>	<b>49.0</b>	<b>48.8</b>	<b>49.2</b>
<b>Economically Active Population</b>	<b>11,488</b>	<b>8,353</b>	<b>3,135</b>
<b>Percentage Economically Active of Working Age Population</b>	<b>54.1</b>	<b>77.2</b>	<b>30.1</b>
<b>Employed Population</b>	<b>10,056</b>	<b>7,335</b>	<b>2,721</b>
<b>Unemployed Population</b>	<b>1,432</b>	<b>1,018</b>	<b>414</b>
<b>Unemployment Rate</b>	<b>12.5</b>	<b>12.2</b>	<b>13.2</b>

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

TABLE : 5.3  
EMPLOYED POPULATION BY MAJOR OCCUPATIONAL GROUPS - CENSUS 1980.

Major Occupational Groups	Total	%	Males	%	Females	%
(1) Managerial and Professional Specialty Occupations	872	13.2	652	14.2	206	10.2
(a) Executive, Administrative & Managerial	283		252		31	
(b) Professional Speciality Occupations	575		400		175	
(2) Technical, Sales and Administrative Support Occupations	720	10.9	432	9.4	288	14.3
(a) Technicians and related support occupations	109		79		30	
(b) Sales occupations	225		105		120	
(c) Admin: support occupations including clerical	386		248		138	
(3) Service occupations	741	11.2	483	10.5	258	12.8
(a) Private Household occupations	11		-		11	
(b) Protective Service occupations	142		137		5	
(c) Other service occupations	588		346		242	
(4) Farming, Forestry, Fishing Occupations	84	1.3	80	1.7	4	0.2
(5) Precision production, Craft and Repair occupations	553	8.4	532	11.6	21	1.0
(6) Operators, Fabricators and Labourers	640	9.7	601	13.1	39	1.9
(a) Machine Operators, Assemblers and inspectors	147		119		28	
(b) Transportation and Material Moving Occupations	325		319		6	
(c) Handlers, Equipment cleaners, Helpers and Labourers	168		163		5	
(7) Primarily Subsistence Activity	3,002	45.5	1,807	39.4	1,195	59.4
<b>TOTAL</b>	<b>6,598</b>	<b>100</b>	<b>4,587</b>	<b>100</b>	<b>2,011</b>	<b>100.0</b>

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

TABLE : 5.4  
EMPLOYED POPULATION BY INDUSTRY - CENSUS 1980.

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

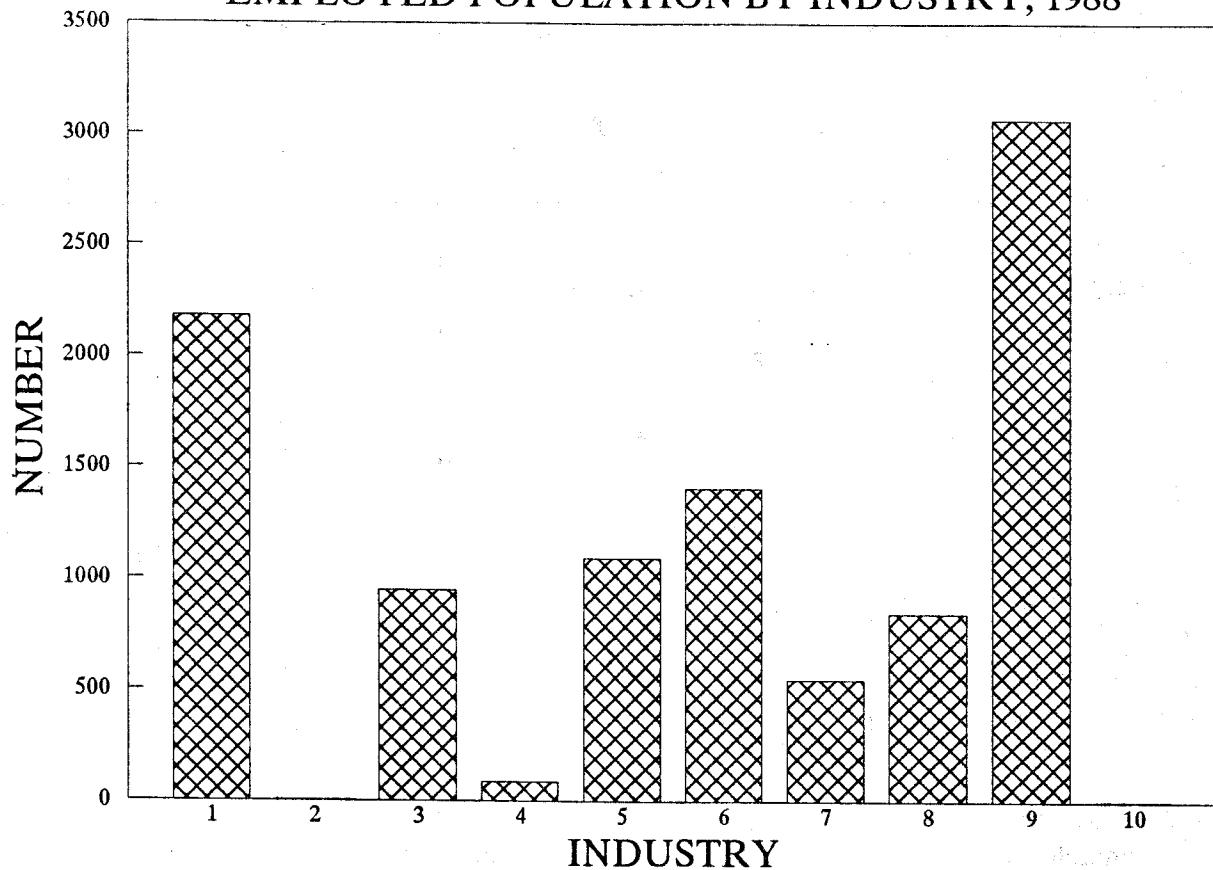
Source: Census 1980 - U. S. Bureau of the Census and Office of Planning and Statistics.

**TABLE : 5.5**  
**EMPLOYED POPULATION CLASSIFIED BY MAJOR INDUSTRY GROUPS AND SEX, 1988.**

Industry	Total		Male		Female	
	No.	%	No.	%	No.	%
Agriculture & Fishing	2,178	21.4	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
<b>All Industries</b>	<b>10,156</b>	<b>100.0</b>	<b>7,335</b>	<b>100.0</b>	<b>2,721</b>	<b>100.0</b>

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

FIGURE-12  
EMPLOYED POPULATION BY INDUSTRY, 1988



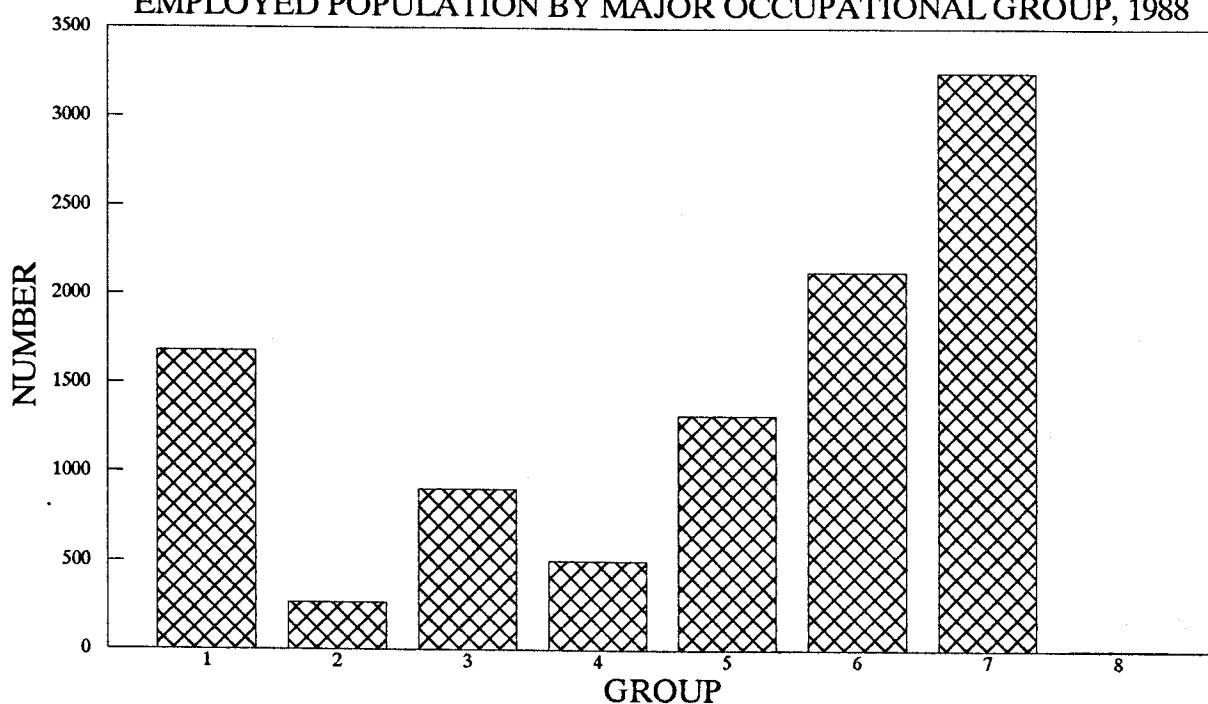
- 1 = Agriculture and Fishing
- 2 = Mining and Quarrying
- 3 = Manufacturing
- 4 = Electricity and Water
- 5 = Construction
- 6 = Wholesale / Retail, Restaurants and Hotel
- 7 = Transport, Storage and Communication
- 8 = Finance, Insurance, Real Estate and Business
- 9 = Community, Social and Personal Service
- 10 = Not Stated

TABLE : 5.6  
EMPLOYED POPULATION BY MAJOR OCCUPATIONAL GROUP AND SEX, 1988.

Occupation	Total		Male		Female	
	No.	%	No.	%	No.	%
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
Total	10,056	100.0	7,335	100.0	2,721	100.0

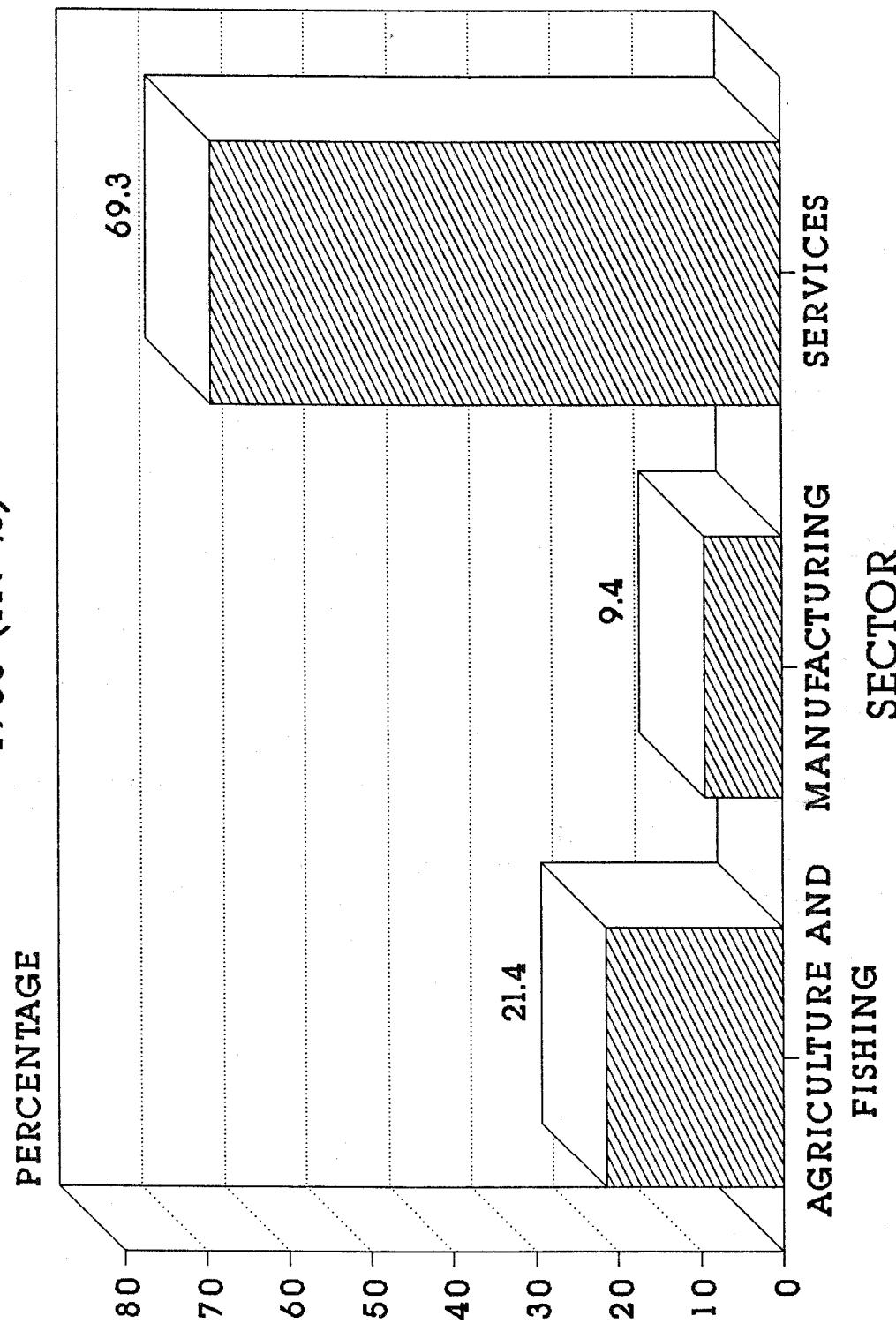
Source : 1988 Census of Population and Housing, OPS, RMI.

FIGURE - 13  
EMPLOYED POPULATION BY MAJOR OCCUPATIONAL GROUP, 1988



- 1 = Professional, Technical & Related Workers
- 2 = Administrative & Managerial Workers
- 3 = Clerical & Related Workers
- 4 = Sales Workers
- 5 = Service Workers
- 6 = Agriculture & Related Workers / Fisherman
- 7 = Production Workers, Transport Equipment Operators & Laborers
- 8 = Not Stated

FIGURE 14  
EMPLOYED POPULATION BY ECONOMIC SECTOR,  
1988 (IN %)



**TABLE : 5.7**  
**EMPLOYED POPULATION BY CLASS OF WORKER, CENSUS - 1980.**

Class of Worker	Total	Male	Females
(1) Private Wage & Salary Workers	1,631	1,212	419
(2) Government Workers	208	176	32
(3) Local Government Workers	1,601	1,281	320
(4) Self-Employed Workers	144	107	37
(5) Unpaid Family Workers	12	4	8
(6) Primarily Subsistence Workers	3,002	1,807	1,195
<b>Total</b>	<b>6,598</b>	<b>4,587</b>	<b>2,011</b>
<b>Total No of Paid Employees (1+2+3 above)</b>	<b>3,440</b>	<b>2,669</b>	<b>771</b>
<b>Percentage</b>	<b>52.1</b>	<b>58.2</b>	<b>38.3</b>
<b>Total No of Other Workers (4+5+6 above)</b>	<b>3,158</b>	<b>1,918</b>	<b>1,240</b>
<b>Percentage</b>	<b>47.9</b>	<b>41.8</b>	<b>61.7</b>

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

TABLE : 5.8  
PAID EMPLOYEES IN THE PUBLIC AND PRIVATE SECTOR - SELECTED YEARS, 1979 - 1991.

Year		Total	Public Sector	Private Sector			
				Total	Majuro	Ebeye	Kwajalein
1979	Micronesian	4,002	1,929	2,073	1,415	-	658
	Other	824	80	744	224	520	-
	Total	4,826	2,009	2,817	1,639	520	658
1982	Micronesian	4,753	2,214	2,539	1,808	110	621
	Other	227	89	138	136	2	-
	Total	4,980	2,303	2,677	1,944	112	621
1985	Micronesian	5,158	2,171	2,987	2,278	91	618
	Other	329	96	233	227	6	-
	Total	5,487	2,267	3,220	2,505	97	618
1986	Micronesian	6,542	2,478	4,064	3,167	156	741
	Other	429	107	322	314	8	-
	Total	6,971	2,585	4,386	3,481	164	741
1987	Micronesian	6,713	2,340	4,373	3,109	206	1,058
	Other	426	84	342	331	11	-
	Total	7,139	2,424	4,715	3,440	217	1,058
1988	Micronesian	4,922	2,121	2,801	1,262	385	1,154
	Other	912	321	591	572	19	-
	Total	5,834	2,442	3,392	1,834	404	1,154
1989	Micronesian	...	...	3,376	2,294	294	788
	Other	...	...	294	277	17	-
	Total	6,224	2,554	3,670	2,571	311	788
1990	Micronesian	...	...	3,762	2,612	376	774
	Other	...	...	406	367	39	-
	Total	6,839	2,671	4,168	2,979	415	774
1991	Micronesian	...	...	4,044	2,816	431	797
	Other	...	...	439	395	44	-
	Total	7,277	2,794	4,483	3,211	475	797

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

Source: Ministry of Finance.  
Marshall Islands Social Security Administration.

**TABLE : 5.9**  
**EMPLOYMENT TRENDS BY SECTOR BY SOURCE, SELECTED YEARS 1973 - 1988.**

Sector	Source							1988 Census
	1973 Census	1976 Income Tax Returns	1977 Income Tax Returns	1979 Skill & Occupatio Survey	1980 Census	1980 Income Tax Returns	1983 Income Tax Returns	
Money Economy	3,468	3,809	4,203	3,632	3,596	4,108	4,298	5,142
Government Sector	-	2,030	1,918	1,415	1,809	1,877	1,602	2,166
Private Sector	-	1,779	2,285	2,217	1,787	2,231	2,696	2,976
Subsistence Economy	2,281	-	-	3,367	3,002	-	-	-
Total	5,749	-	-	6,999	6,598	-	-	-
								10,056

**Note:** The figures in this table include those employed for short durations as well.

Source: - TTPI, Office of Planning and Statistics, Quarterly Bulletin of Statistics, Vol.No.3 December 1978. Table 9 (for 1973 CENSUS) and Vol. I, No. 3, September 1979, Table 3.8 (for skill survey 1977 results) Vol. I, No. 1, December 1977 and Vol.I, No. 3 December 1978, (for 1976 and 1977 income tax returns). Government of Marshall Islands (for 1980, 1983,1985,1986, and 1987 income tax returns); and 1980 Census of Population, U.S. Bureau of the Census. 1988 Census of Population and Housing, OPS, RMI

**TABLE: 5.10**  
**EMPLOYMENT RATES AND PERCENTAGE EMPLOYED IN EACH AGE GROUP,**  
**MARSHALL ISLANDS, 1988**

Age group	Employment Rate			% Employed in each age group		
	Both Sexes	Male	Female	Both Sexes	Male	Female
15-19	61.2	63.9	54.8	16.8	24.1	9.0
20-24	77.0	77.4	76.1	43.0	63.9	23.8
25-29	86.9	86.8	87.1	54.7	80.8	28.3
30-34	92.6	92.2	93.5	60.0	85.9	33.3
35-39	94.8	94.5	95.5	68.1	91.6	39.3
40-44	96.8	96.8	96.8	65.2	92.7	36.6
45-49	95.4	95.6	95.2	67.7	90.7	37.7
50-54	97.3	96.4	100.0	62.9	89.1	34.5
55-59	92.2	97.2	97.4	61.8	85.5	35.2
60-64	100.0	100.0	100.0	44.3	60.7	28.3
65-69	100.0	100.0	100.0	33.5	46.7	21.8
70-74	100.0	100.0	100.0	26.3	35.5	16.3
75 +	100.0	100.0	100.0	13.2	22.2	5.9
All ages 15 years & over	87.5	87.8	86.8	47.3	67.8	26.1
Corresponding % for 1980	90.3	91.0	88.7	45.0	62.2	27.6

Notes : - Employment Rate calculated as employed population in each age group divided by labor force in the age group

- Percentage Employed calculated as employed population in each age group divided population in the age group.

Sources : - 1980 Census of Population and Housing , US Bureau of Census.

- 1988 Census of Population and Housing, OPS, RMI.

**TABLE : 5.11**  
**AGE DISTRIBUTION OF THE UNEMPLOYED AND AGE SPECIFIC UNEMPLOYMENT**  
**RATES BY SEX, MARSHALL ISLANDS, 1988.**

Age group	Age distribution of the unemployed population (%)			Age specific unemployment rates		
	Both Sexes	Male	Female	Both Sexes	Male	Female
15-19	30.3	28.2	35.5	38.8	36.1	45.2
20-24	31.5	30.9	32.9	23.0	22.6	23.9
25-29	17.4	18.3	15.2	13.1	13.2	12.9
30-34	8.9	9.6	7.2	7.4	7.8	6.5
35-39	5.7	6.3	4.3	5.2	5.5	4.5
40-44	2.3	2.3	2.2	3.2	3.2	3.2
45-49	2.2	2.3	1.9	4.5	4.4	4.8
50-54	0.9	1.3	0.0	2.7	3.6	0.0
55-59	0.8	0.9	0.7	2.8	2.8	2.6
60 +	0.0	0.0	0.0	0.0	0.0	0.0
All ages 15 years & over	100.0	100.0	100.0	12.5	12.2	13.2

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

Figure - 15  
AGE SPECIFIC UNEMPLOYMENT RATES, 1988

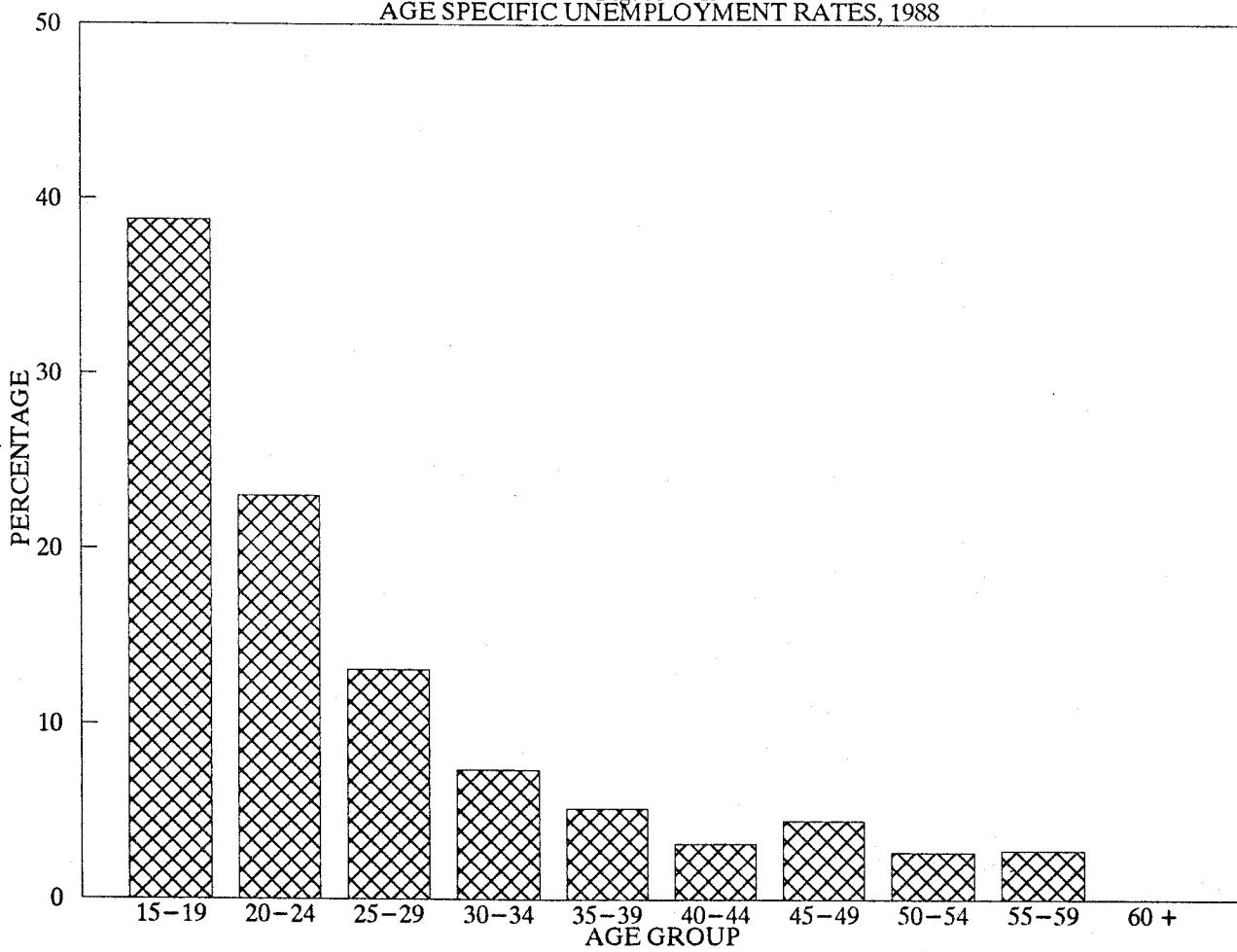
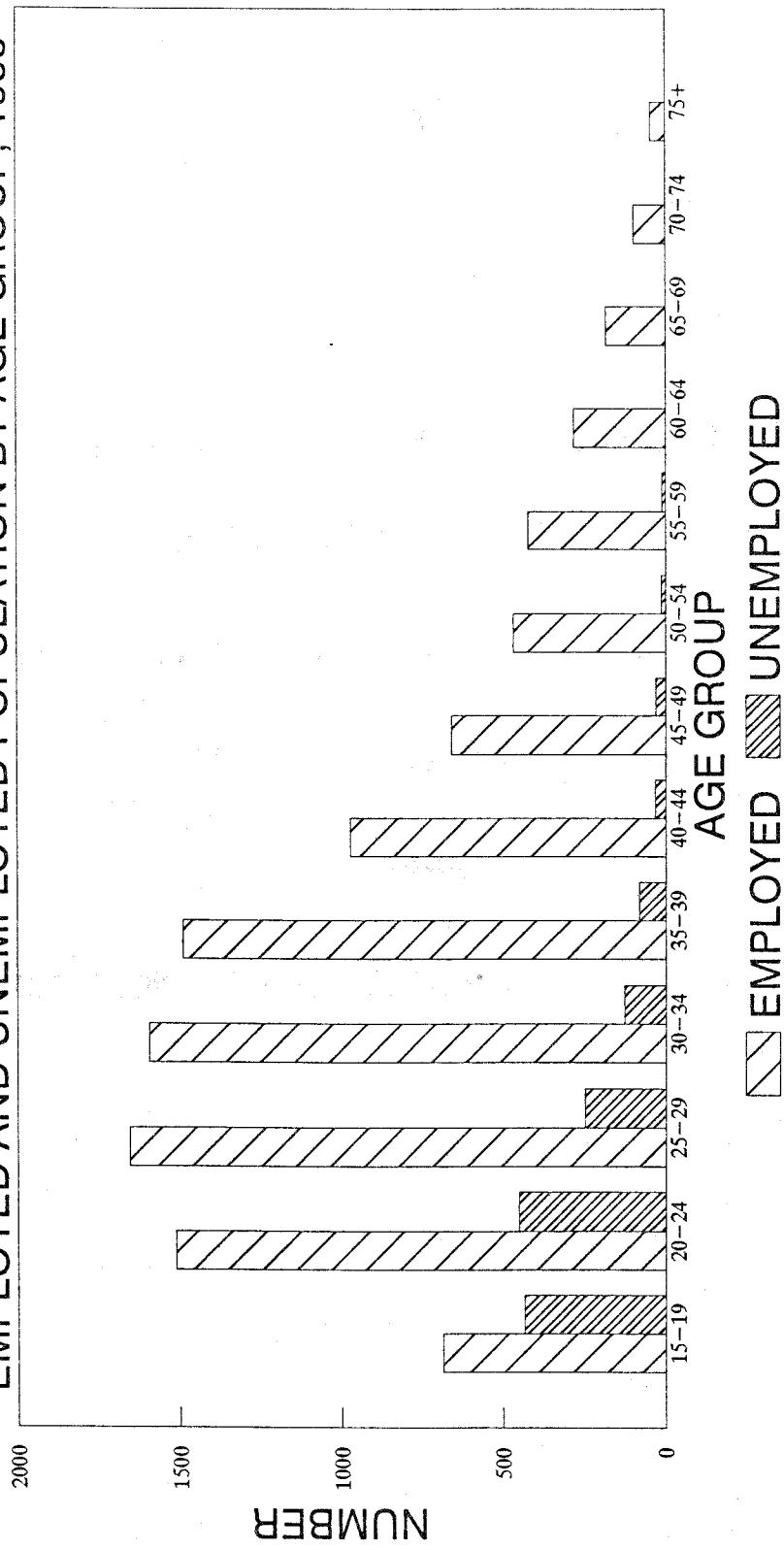


TABLE: 5.12  
ECONOMICALLY ACTIVE (EMPLOYED AND UNEMPLOYED) POPULATION,  
BY AGE GROUP, BOTH SEXES.

AGE GROUP	BOTH SEXES			MALE			FEMALE		
	TOTAL ACTIVE	EMPLOYED	UNEMPLOYED	TOTAL ACTIVE	EMPLOYED	UNEMPLOYED	TOTAL ACTIVE	EMPLOYED	UNEMPLOYED
15-19	1120	686	434	795	508	287	325	178	147
20-24	1962	1511	451	1392	1077	315	570	434	136
25-29	1904	1655	249	1414	1228	186	490	427	63
30-34	1721	1593	128	1256	1158	98	465	435	30
35-39	1572	1490	82	1168	1104	64	404	386	18
40-44	1005	973	32	726	703	23	279	270	9
45-49	688	657	31	521	498	23	167	159	8
50-54	480	467	13	357	344	13	123	123	0
55-59	432	420	12	316	307	9	116	113	3
60-64	281	281	0	190	190	0	91	91	0
65-69	182	182	0	119	119	0	63	63	0
70-74	96	96	0	65	65	0	31	31	0
75+	45	45	0	34	34	0	11	11	0
<b>TOTAL</b>	<b>11488</b>	<b>10056</b>	<b>1432</b>	<b>8353</b>	<b>7335</b>	<b>1018</b>	<b>3135</b>	<b>2721</b>	<b>414</b>

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

FIGURE -<sup>16</sup>  
EMPLOYED AND UNEMPLOYED POPULATION BY AGE GROUP, 1988



## **SECTION 6**

### **6. PRIMARY PRODUCTS AND FISHERIES**

**6.1. SUBSISTANCE ACTIVITIES**

**6.2. ESTIMATED CROP PRODUCTION**

**6.3. COPRA PRODUCTION**

**6.4. FISHERIES**

**6.5. ESTIMATED LIVESTOCK PRODUCTION**

## **6. Primary Products and Fisheries**

This section provides information on production of crops, viz: fruits, vegetables, roots and tubers and copra; live stock and fish.

Since a systematic scheme for data collection has not been introduced yet, the data on crops and live stock production are based on crude estimates. The Agriculture Division of the Ministry of Resources and Development, has assumed an average land use by household, and used 1988 Census data, to estimate production of these crops and live stock. Reliable data on copra production which entered the market for export are however available from the Tobolar Processing Plant and are presented in this section.

The total combined output of fruits, vegetables, and roots has been estimated in 1991 as 3,790 short tons compared to 3,260 short tons in 1989. The total value of agricultural output has been estimated at 9,890 tons in 1991 compared to 8,972 tons in 1989. The copra production constituted 6,100 tons or 62% of the total agricultural output. Of the copra production 4,210 tons or 69% has been purchased for processing and export.

Live stock production has been estimated at 22,110 pigs and 45,119 poultry in 1991 compared to 21,973 and 44,980 in 1989.

Complete data on fish production are not available. However the fish catch by Japanese fishing vessels are available and are presented in this section.

**TABLE : 6.1**  
**HOUSEHOLDS ENGAGED IN SUBSISTENCE ACTIVITIES BY TYPE OF ACTIVITY AND ATOLL/ISLAND, 1988.**

Atoll / Island	Activity					
	Growing Food	Producing Copra	Fishing	Keeping Livestock	Making Handicrafts	Other
Ailinglaplap	131	173	164	98	110	3
Ailuk	57	66	67	56	64	1
Arno	179	180	184	184	154	-
Aur	48	53	55	42	56	-
Bikini	3	-	3	-	-	-
Ebon	69	79	64	36	38	1
Enewetak	43	3	85	37	9	2
Jabat	14	17	16	10	2	-
Jaluit	139	107	176	128	127	1
Kili	30	13	73	31	72	-
Kwajalein	67	16	588	111	110	196
Lae	23	23	25	24	12	-
Lib	12	7	9	11	6	-
Likiep	70	53	67	69	49	-
Majuro	997	243	1287	924	600	66
Maloelap	87	92	94	86	79	1
Mejit	44	45	46	46	46	-
Mili	96	90	94	95	72	1
Namorik	88	85	80	87	52	-
Namu	55	68	57	29	60	1
Ujae	33	30	31	24	1	-
Utirik	43	40	45	44	4	-
Wotho	13	10	14	15	-	-
Wotje	60	69	75	66	48	1
Total	2401	1562	3399	2253	1771	274
Percentage of Total Households	48.77%	31.73%	69.04%	45.76%	35.97%	5.57%

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

**TABLE: 6.2**  
**ESTIMATED CROP PRODUCTION FOR 1989 - 1991, MARSHALL ISLANDS**  
**(IN SHORT TONS).**

Item	1989	1990	1991
<b>1. Fruit</b>	<b>1,827</b>	<b>1,850</b>	<b>1,990</b>
-Breadfruit	654	660	710
-Pandanus	889	890	920
-Banana	237	250	290
-Papaya	47	50	70
<b>2. Vegetables</b>	<b>71</b>	<b>116</b>	<b>150</b>
-Cucumber		26	30
-Cabbage		30	40
-Pumkin		35	40
-Canteloupe		15	25
-5 core		10	15
<b>3. Roots and Tubers</b>	<b>1,362</b>	<b>1,365</b>	<b>1,650</b>
-Taro	1,203	1190	1450
-Sweet Potatoes	159	175	200
<b>4. Copra</b>	<b>5,712</b>	<b>5900</b>	<b>6100</b>
<b>TOTAL:</b>	<b>8,972</b>	<b>9,231</b>	<b>9,890</b>

**Source: Ministry of Resources and Development.**

**TABLE : 6.3a  
ESTIMATED LIVESTOCK PRODUCTION, 1984 - 1991 (IN NUMBERS).**

LIVESTOCK	1984	1985	1986	1987	1988	1989	1990	1991
Pigs	17,000	17,893	18,833	19,827	20,837	21,973	22,000	22,110
Poultry	34,805	36,635	38,565	40,595	42,730	44,980	45,100	45,119
Total	51,805	54,528	57,398	60,422	63,567	66,953	67,100	67,229

Source : Ministry of Resources and Development.

**TABLE : 6.3b  
ESTIMATED LIVESTOCK PRODUCTION, 1984 - 1991 (IN US \$).**

LIVESTOCK	1984	1985	1986	1987	1988	1989	1990	1991
Pigs	2,550,000	2,684,000	2,825,000	2,974,000	3,131,000	3,296,000	5,775,000	5,803,875
Poultry	69,610	73,270	77,130	81,190	85,460	89,960	135,300	135,357
Total	2,619,610	2,757,270	2,902,130	3,055,190	3,216,460	3,385,960	5,910,300	5,939,232

Note: The following assumptions were made:

- Average weight of a pig : 150 lbs.
- Selling price of pigs was \$1.00 per lbs. at farm in 1989, and \$1.75 per lbs. in 1990-91.
- Selling price of poultry meat was \$1.00 at farm in 1989, and \$1.50 per lbs. in 1990-91.

Source:

Ministry of Resources and Development.

**TABLE : 6.4**  
**ESTIMATED CROP PRODUCTION FOR THE YEARS 1984 TO 1989,**  
**MARSHALL ISLANDS (IN US \$)**

Item	Year				
	1984	1985	1986	1987	1988
<b>1. Fruits</b>					
- Breadfruit	3,166,000	3,332,000	3,508,000	3,692,000	3,887,000
- Pandanus					
- Banana					
- Papaya					
<b>2. Vegetables</b>					
- Cucumber	1,194,000	1,257,000	1,323,000	1,392,000	1,487,000
- Cabbage					
- Pumpkin					
<b>3. Roots and Tubers</b>					
- Taro	1,651,000	1,738,000	1,830,000	1,926,000	2,027,000
- Sweet Potatoes					
<b>4. Copra</b>					
	1,417,000	895,000	831,000	1,080,000	1,205,000
<b>TOTAL :</b>	<b>7,428,000</b>	<b>7,222,000</b>	<b>7,492,000</b>	<b>8,090,000</b>	<b>8,606,000</b>
					<b>9,153,000</b>

**Source : Ministry of Resources and Development.**

**TABLE : 6.5**  
**COPRA PRODUCTION BY ATOLLS AND ISLANDS, 1981 -1991 (SHORT TONS)**

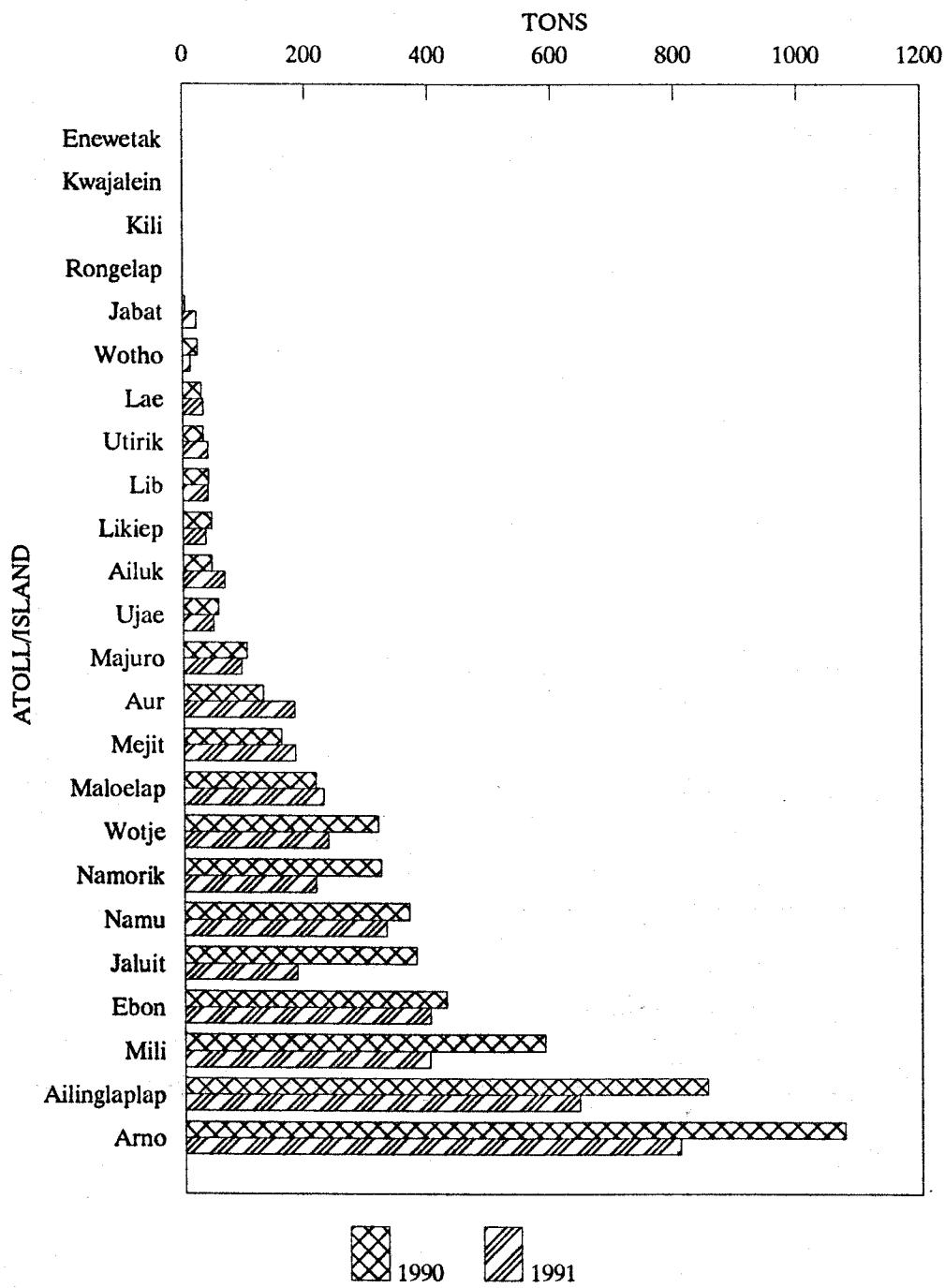
Atoll/Island	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Ailinglaplap	782	574	981	427	433	958	679	692	626	852	644
Ailuk	169	195	164	162	50	89	201	127	170	47	68
Arno	957	903	917	708	753	1096	941	1031	868	1074	808
Aur	251	252	320	134	157	252	265	158	198	131	181
Ebon	575	454	479	315	371	684	432	453	558	427	401
Enewetak	18	-	22	57	33	14	-	-	-	-	-
Jabat	92	33	42	19	23	48	29	45	30	4	23
Jaluit	1	498	361	169	386	664	352	305	390	378	184
Kili	49	8	21	53	3	1	-	-	-	-	-
Kwajalein	12	5	8	12	15	13	29	24	8	-	-
Lae	91	54	65	44	62	78	58	33	32	31	33
Lib	54	55	72	25	21	77	43	51	36	42	41
Likiep	186	143	185	237	121	82	74	63	54	47	37
Majuro	380	213	291	262	260	209	172	261	160	104	96
Maloelap	258	280	319	209	238	287	268	291	306	215	228
Mejit	117	189	204	172	60	150	208	166	147	160	182
Mili	625	631	671	411	586	746	588	729	728	587	400
Namorik	184	295	325	280	257	447	247	253	343	321	215
Namu	344	367	322	162	132	482	239	282	302	367	330
Rongelap	68	60	47	63	18	-	-	-	-	-	-
Ujae	108	57	63	63	43	81	66	45	70	58	50
Utirik	88	68	130	102	33	52	81	86	99	33	41
Wotho	33	22	27	25	23	32	40	28	43	25	13
Wotje	318	417	455	372	223	380	390	358	545	316	235
	5760	5773	6491	4483	3868	3781	5402	5477	5712	5219	4210

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  
- Office of Planning and Statistics.

FIGURE - 17

COPRA PRODUCTION BY ATOLL/ISLAND, 1990 - 1991



**TABLE: 6.6**  
**PERCENT OF COPRA PRODUCTION BY ATOLLS AND ISLANDS, 1981 - 1991.**

Atoll/Island	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Ailinglaplap	12	10	15	10	10	14	13	13	11	16	15
Ailuk	3	3	3	4	1	4	2	3	1	2	2
Arno	15	16	15	16	18	16	17	19	15	20	19
Aur	4	4	5	4	4	4	5	3	3	3	4
Ebon	9	8	7	7	9	10	8	8	10	8	10
Enewetak	-	-	-	-	-	-	1	-	-	-	-
Jabat	2	1	1	1	1	1	1	1	1	1	1
Jaluit	8	9	6	4	9	10	7	6	7	7	4
Kili	-	-	-	-	-	-	-	-	-	-	-
Kwajalein	1	1	1	1	1	3	3	5	5	5	5
Lae	1	1	1	1	1	1	1	1	1	1	1
Lib	3	2	3	4	5	6	6	5	3	2	2
Likiep	6	4	5	5	2	6	4	5	3	3	4
Majuro	4	5	5	3	4	1	3	4	3	3	5
Maloelap	2	3	3	4	1	11	14	11	13	11	10
Mejit	10	11	10	11	11	14	11	11	13	6	5
Mili	-	-	-	-	-	-	-	-	-	-	-
Namorik	3	5	5	3	3	7	4	5	5	7	8
Namu	6	6	5	1	1	1	1	1	1	2	1
Rongelap	1	1	1	1	1	1	1	1	1	1	1
Ujae	2	1	1	2	2	1	1	1	1	2	1
Utirik	1	1	1	-	-	-	-	-	-	-	-
Wotho	5	7	8	5	7	6	7	6	10	6	6

Notes : Ujelang has been added to Enewetak.

Source: -Tobolar Processing Plant.  
-Office of Planning and Statistics

TABLE 6.7  
INDEX OF COPRA PRODUCTION BY ATOLLS AND ISLANDS, 1981 - 1991 (1978 = 100).

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

Notes : 1. Jemo has been excluded as its production was nil in 1978 and hence no index figures can be calculated

2. The people of Ronglap have moved to Meijato in Kwajalein Atoll in May 1985

Source: Tobolar Processing Plant, Office of Planning and Statistics.

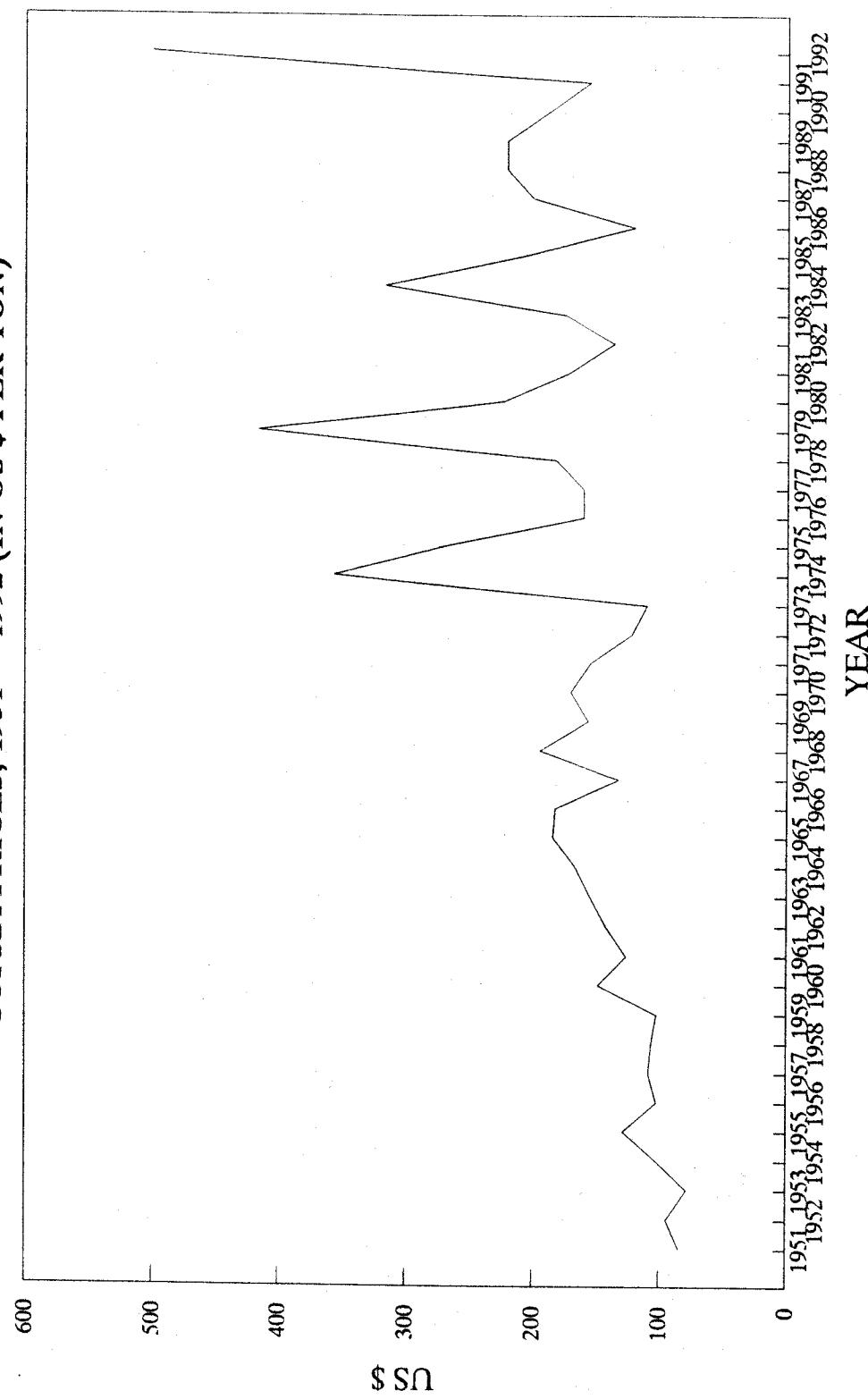
**TABLE: 6.8**  
**COPRA PRICES PAID TO OUTER ISLANDS, 1978 - 1992 (\$ PER SHORT TON).**

P E R I O D		Price	
January	1978	- February '1978	\$134.00
March	1978	- May '1978	\$159.00
June	1978	-	\$174.50
July	1978	- September '1978	\$190.00
October	1978	-	\$205.00
November	1978	-	\$220.00
December	1978	-	\$270.00
January	1978	-	\$310.00
February	1979	-	\$370.00
March	1979	- April '1979	\$400.00
May	1979	- September '1979	\$470.00
October	1979	-	\$400.00
November	1979	-	\$387.50
December	1979	- January '1980	\$375.00
February	1980	- April '1980	\$340.00
May	1980	-	\$210.00
June	1980	- November '1980	\$150.00
December	1980	- November '1981	\$170.00
December	1981	- January 20, '1982	\$190.00
January	0, 1982	- July 1, '1982	\$150.00
July	1, 1982	- October 1, '1982	\$130.00
October	1, 1982	- June 1, '1983	\$100.00
June	1, 1983	- July 15, '1983	\$140.00
July	5, 1983	- July 27, '1983	\$180.00
July	7, 1983	- September 23, '1983	\$220.00
September	3, 1983	- March 1, '1984	\$250.00
March	1, 1984	- July 4, '1984	\$290.00
July	0, 1984	- February 5, '1985	\$370.00
February	5, 1985	- May 21, '1985	\$260.00
May	1, 1985	- June 8, '1985	\$200.00
June	8, 1985	- September 6, '1985	\$180.00
September	6, 1985	- December 31, '1985	\$120.00
January	1, 1986	- December 31, '1986	\$120.00
January	1, 1987	- January 25, '1987	\$160.00
January	6, 1987	- September 20, '1987	\$200.00
September	1, 1987	- December 31, '1987	\$220.00
January	1, 1988	- December 30, '1988	\$220.00
January	1, 1989	- December 30, '1989	\$220.00
February	1990	- July '1990	\$200.00
August	1990	- September '1990	\$140.00
October	1990	- March '1991	\$180.00
April	1991	- October '1991	\$140.00
November	1991	- December '1991	\$220.00
January	1992	- March '1992	\$500.00

Note: 1. The Price in Majuro for 1988 to 1992 is \$30.00 higher  
 2. 1978 -1992; Monthly average price  
 3. Outer Islands are all Islands / Atolls except dMajuro and Ebeye

Source: Tobolar Processing Plant; Office of Planning and Statistics.

FIGURE - 18  
COPRA PRICES, 1951 - 1992 (IN US \$ PER TON)



**TABLE : 6.9**  
**TOTAL COPRA PRODUCTION AND PER CAPITA COPRA INCOME IN US \$, 1951 - 1991**

Year	Total Copra Production (tons)	Average Price/Ton	Total Copra Income	Rural Population	Rural per capita copra income
1951	4,980	84	418,320	9,117	45.9
1952	4,565	94	429,110	9,301	46.1
1953	4,580	78	357,240	9,489	37.6
1954	3,896	102	397,392	9,681	41.0
1955	4,434	128	567,552	9,876	57.5
1956	5,480	102	558,960	10,076	55.5
1957	6,034	108	651,672	10,279	63.4
1958	5,701	106	604,306	10,492	57.6
1959	3,700	102	377,400	10,489	36.0
1960	4,436	148	656,528	10,486	62.6
1961	6,060	126	763,560	10,482	72.8
1962	4,521	142	641,982	10,479	61.3
1963	4,975	154	766,150	10,476	73.1
1964	5,742	166	953,172	10,473	91.0
1965	5,807	184	1,068,488	10,469	102.1
1966	5,554	182	1,010,828	10,466	96.6
1967	6,272	132	827,904	10,463	79.1
1968	6,311	194	1,224,334	10,640	115.1
1969	6,401	156	998,556	10,820	92.3
1970	7,348	170	1,249,160	11,002	113.5
1971	5,344	154	822,976	11,188	73.6
1972	5,715	122	697,230	11,378	61.3
1973	4,574	110	503,140	11,573	43.5
1974	6,336	356	2,255,616	12,009	187.8
1975	6,482	270	1,750,140	12,462	140.4
1976	5,685	160	909,600	12,932	70.3
1977	6,075	-	-	13,419	-
1978	5,876	182	1,069,432	13,925	76.8
1979	6,488	416	2,699,008	14,450	186.8
1980	6,257	223	1,395,311	16,121	86.6
1981	6,288	171	1,075,248	16,657	64.6
1982	5,774	136	785,264	17,193	45.7
1983	6,490	174	1,129,260	17,728	63.7
1984	4,483	316	1,416,628	18,264	77.6
1985	4,301	208	894,608	18,800	47.6
1986	6,921	120	830,520	19,336	43.0
1987	5,401	200	1,080,200	19,871	54.4
1988	5,477	220	1,204,940	20,407	59.0
1989	5,712	220	1,256,640	20,889	60.2
1990	5,140	187	961,368	21,382	32.1
1991	3,450	155	534,105	21,887	46.7

Source: - Tobolar Copra Processing Plant

- Office of Planning and Statistics

FIGURE - 19  
TOTAL COPRA PRODUCTION, 1951-91 (IN SHORT TONS)

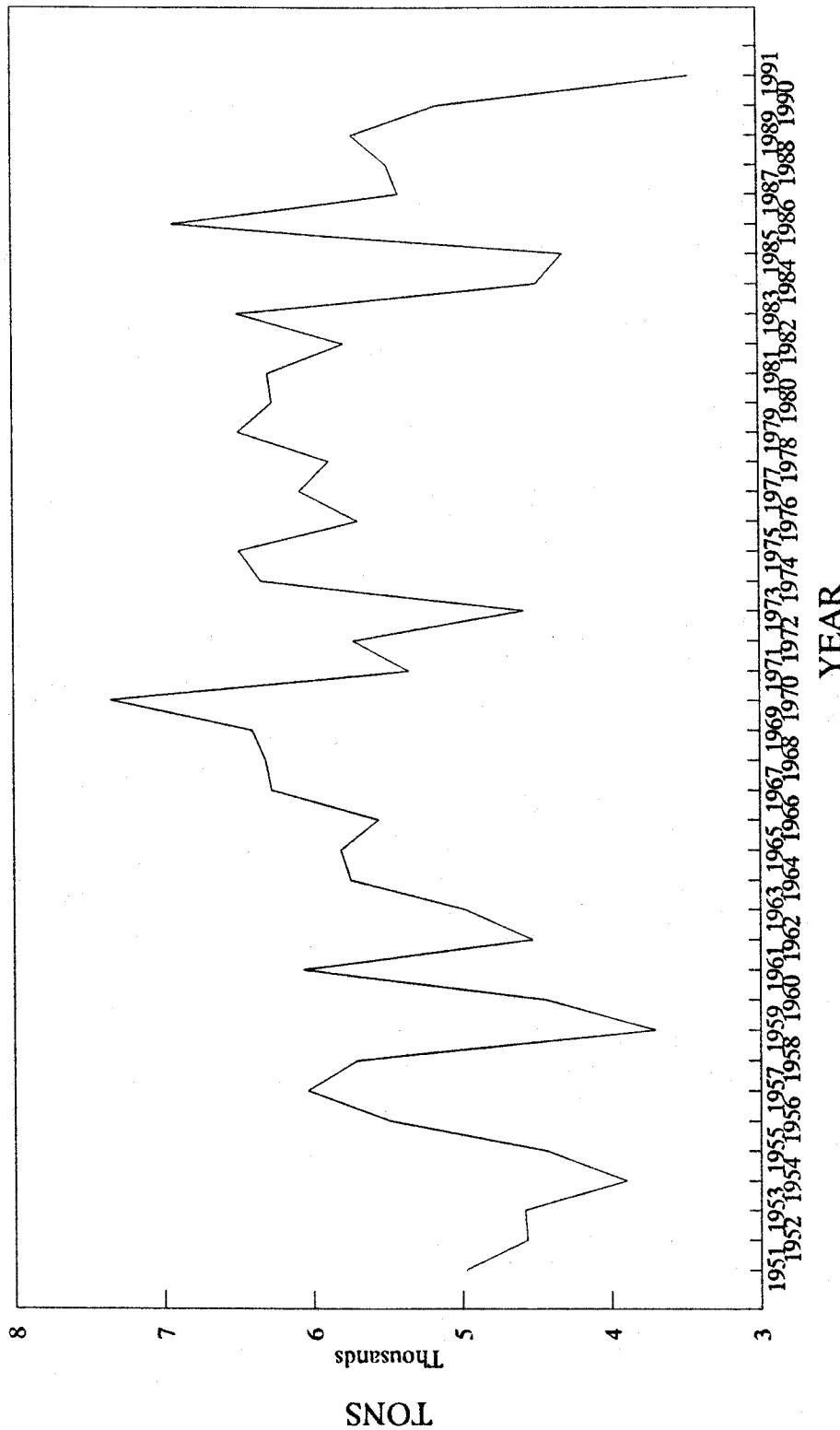


TABLE : 6.10 (a)  
TOTAL FISH CATCHES BY JAPANESE FISHING VESSELS BY TYPE OF  
FISH AND FISHING TECHNIQUE , 1988 - 1989 (IN METRIC TONS).

Type of Fish	1987		1988		1989	
	Technique Longline	Pole and Line	Total	Technique Longline	Total	Technique Longline
Albacore	10.4	-	10.4	25.5	25.5	23.2
Bigeye	1,955.2	-	1,955.2	649.6	649.6	-
Yellowfin	2,446.6	35.5	2,482.1	732.6	62.5	795.1
Bluefin	-	-	0.0	-	0.0	-
Skipjack	-	11,177.6	11,177.6	-	17,362.0	17,362.0
Striped Marlin	16.5	-	16.5	6.2	-	6.2
Blue Marlin	245.8	-	245.8	234.6	-	234.6
Black Marlin	10.8	-	10.8	5.2	-	5.2
Swordfish	37.5	-	37.5	16.5	-	16.5
Sailfish	4.6	-	4.6	0.3	-	0.3
Shark	17.7	-	17.7	5.3	-	5.3
Other	22.7	-	22.7	11.7	55.0	66.7
Total	4,767.8	11,213.1	15,980.9	1,687.4	17,479.5	19,166.9
						2,625.7
						4,136.0
						6,761.7

Source : Ministry of Resources and Development, Division of  
Marshall Islands Marine Resources Authority.

**TABLE : 6.10 (b)**  
**TOTAL FISH CATCHES BY JAPANESE FISHING VESSELS BY TYPE OF**  
**FISH AND FISHING TECHNIQUE , 1990 - 91 (IN METRIC TONS).**

Type of Fish	1990			1991		
	Technique		Total	Technique		Total
	Longline	Pole and Line		Longline	Pole and Line	
Albacore	15.1	-	15.1	30.8	-	30.8
Bigeye	2288.9	-	2,288.9	1,809.2	-	1,809.2
Yellowfin	1437.4	-	1,437.4	1,389.6	-	1,389.6
Bluenfin	-	-	0.0	-	-	0.0
Skipjack	-	-	3,843.0	3,843.0	722.0	722.0
Striped Marlin	-	-	0.0	0.0	-	0.0
Blue Marlin	201.9	-	201.9	187.2	-	187.2
Black Marlin	-	-	0.0	-	-	0.0
Swordfish	-	-	0.0	-	-	0.0
Sailfish	-	-	0.0	-	-	0.0
Shark	28.3	-	28.3	4.1	-	4.1
Other	65	-	65.0	40.4	-	40.4
Total	4036.6	3,843.0	7,879.6	3,461.3	722.0	4,183.3

**Source : Ministry of Resources and Development, Division of  
Marshall Islands Marine Resources Authority.**

**TABLE : 6.11**

**TOTAL FISH CATCHES BY FOREIGN FISHING VESSELS BY  
TYPE OF FISH, 1989 (IN METRIC TONS, ALL GEAR TYPES).**

Type of Fish	Total Catch
Albacore	13.0
Bigeye	1,094.6
Yellowfin	1,356.7
Bill Fish	185.1
Skipjack	3,543.4
Other	38.4
<b>Total</b>	<b>6,231.2</b>

**Source : Ministry of Resources and Development, Division of  
Marshall Islands Marine Resources Authority.**

## **SECTION 7**

### **7. OVERSEAS TRADE**

## **7. Overseas Trade**

The Marshall Islands adopted the Harmonized System of classification of imported and exported goods as of the beginning of Fiscal year 1990 (i.e. October 1, 1989) by improving the reporting system. Former classifications used the Standard International Trade Classification, but no systematic data were recorded on the basis of this system. Tax exempted goods did not appear in the classifications, and since government was not paying any import duties, the quantities and value of government imports were not known. Items like diesel were also exempted from taxes and hence, did not appear in the statistics. Another major draw back was that value was not recorded whenever an 'ad quantum' import tax was applicable (i.e. gasoline types, soft drinks, beer etc.) and quantity was not recorded whenever an 'ad volorem' tax was applicable. However, steps were taken to minimize these weaknesses, as far as possible, in the imports statistics for 1990 and 1991.

Value of imported goods grew from US \$30.6 million in 1986 to an estimated US \$56.4 million in calendar year 1991 (an average annual increase of 13% a year). The reader should bear in mind, however, that before 1989 the values were on f.o.b. basis, while the figures from 1989 are on c.i.f. basis. Exports declined from 3.4 million in 1979 to 1.2 million in 1986, and since then increased to 2.9 million in 1991, leaving a negative trade balance of 53.6 million in 1991. In 1991 the imports of food and beverages constituted 34.2% of the total value of imported goods, a figure consistent with previous years.

The major trade partners of the Republic are the USA and its territories (83.7% of the total value of imported goods had come from Hawaii, Guam and the USA Mainland). Japan followed with 9.6% of total trade value.

**TABLE : 7.1**  
**COMMODITY IMPORTS AND EXPORTS AND BALANCE OF TRADE, 1979 - 1991**  
**(\$000'S)**

Year	Imports	Exports (fob)	Balance of trade
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	3,143	-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	55,591	1,719	-53,872
1991	56,442	2,890	-53,552

**Note :** - (a) Import 'cost, insurance and freight', estimated on three months of complete registration.

- Import values are on f.o.b basis upto 1988.
- This underestimates the balance of trade upto 1988.
- Imports exclude government imports and tax exempted goods for the years 1979 to 1988.
- Exports are believed to be under-reported.

**Source :** - Ministry of Finance.  
 - Office of Planning and Statistics.

FIGURE - 20

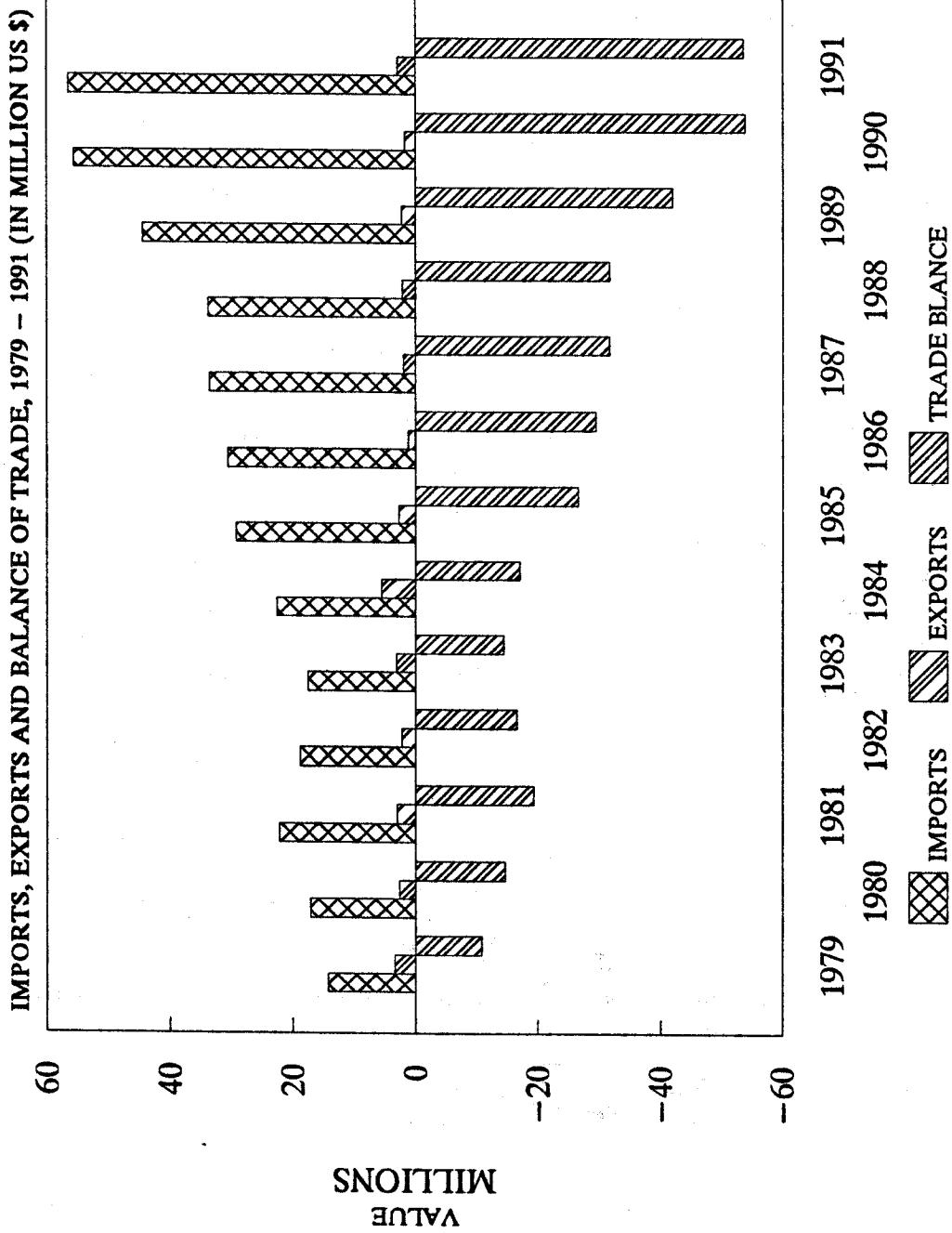


TABLE : 7.2  
COMMERCIAL IMPORTS BY COMMODITY GROUP, 1976 - 1982 and 1986 - 1988.

SITC (REV.2) Section	1976	1977	1978	1979	1980	1981	1982	1986*	1987*	1988
0. Food and Live Animals	2,882	3,919	3,809	4,221	4,678	5,183	5,215	9,079	9,557	11,499
1. Beverages and Tobacco	793	1,974	1,146	1,475	1,792	2,234	1,884	3,424	3,612	3,254
2. Crude Materials	38	128	98	235	342	407	192	428	451	607
3. Mineral Fuels and Lubricants	1,554	1,716	1,553	2,086	2,718	3,317	3,684	5,350	5,643	3,618
4. Animal and Vegetable oils	13	25	4	19	22	23	33	31	32	18
5. Chemical Products	280	459	525	611	657	703	681	1,253	1,322	681
6. Manufactured Goods	844	1,226	1,651	2,252	2,976	3,548	1,525	4,249	4,482	1,866
7 Machinery and Transport Equipment	355	1,055	998	1,676	2,013	4,274	1,966	3,760	3,966	3,636
8. Miscellaneous Manufactured Articles	623	1,019	1,007	1,663	1,957	2,519	1,031	2,996	3,161	4,108
9. Unclassified Commodities	-	-	-	-	-	-	-	-	-	4,477
<b>TOTAL</b>	<b>7,382</b>	<b>11,521</b>	<b>10,791</b>	<b>14,238</b>	<b>17,155</b>	<b>22,208</b>	<b>16,211</b>	<b>30,570</b>	<b>32,226</b>	<b>33,764</b>

Note : Excluded are imports by government agencies and tax exempted goods. Import values are free on board.

\* The figures shown under 1986 and 1987 are proportional estimates.

Source: - Ministry of Finance.

- Republic of the Marshall Island Commercial Imports, H.M. Barton, UNDAT.
- Commercial Imports to RMI Fiscal Year 1988, OPS, RMI.
- Office of Planning and Statistics.

TABLE : 7.3

COMMERCIAL IMPORTS BY COMMODITY GROUP, LAST QUARTER 1989 AND YEARS 1990 AND 1991 (C.I.F. VALUES IN \$000'S)

SITC (REV.2) Section	Last quarter		
	1989	1990	1991
0. Food and Live Animals	3,720	13,615	13,717
1. Beverages and Tobacco	693	3,801	5,575
2. Crude Materials	766	3,217	3,677
3. Mineral Fuels and Lubricants	109	2,738	6,288
4. Animal and Vegetable oils	45	319	109
5. Chemical Products	415	2,117	1,508
6. Manufactured Goods	1,809	10,851	5,463
7 Machinery and Transport Equipment	2,352	10,916	9,172
8. Miscellaneous Manufactured Articles	1,188	8017	10932
9. Unclassified Commodities	-	-	-
<b>TOTAL</b>	<b>11,097</b>	<b>55,591</b>	<b>56,441</b>

Note : Data given for 1989 are only for the last quarter as data for other quarters were not available. These data are also incomplete to the extent that values of items on which taxes based on quantities were not recorded.

Source: - Ministry of Finance.

- Office of Planning and Statistics.

**TABLE : 7.4**  
**VALUE OF IMPORTED GOODS BY MAJOR TRADING PARTNER, 1984 - 1988 (F.O.B VALUES IN \$000'S)**

Trading Partner	1984		1985		1986		1987		1988	
	Value	%								
Australia	66	0.3	1,370	4.7	1,579	5.2	2,080	6.2	1,052	3.1
Guam	5,155	23.4	6,337	21.7	8,098	26.5	7,379	22.0	6,065	18.0
Hawaii	900	4.1	1,253	4.3	1,386	4.5	1,610	4.8	2,107	6.2
Hongkong	259	1.2	311	1.1	382	1.2	436	1.3	522	1.5
Japan	5,098	23.2	6,097	20.9	5,945	19.4	6,641	19.8	5,929	17.6
New Zealand	85	0.4	163	0.6	204	0.7	268	0.8	31	0.1
Phillipines	23	0.1	41	0.1	23	0.1	34	0.1	168	0.5
Taiwan	200	0.9	108	0.4	180	0.6	201	0.6	388	1.1
U.S.A. Mainland	10,211	46.4	13,352	45.8	12,684	41.5	14,724	43.9	17,330	51.3
Other Countries	-	0.0	144	0.5	90	0.3	168	0.5	172	0.5
Total	21,997	100.0	29,176	100.0	30,571	100.0	33,541	100.0	33,764	100.0

Note : Excluded are imports by government agencies and tax exempted goods. Imported value, free on board.

Sources: - Ministry of Finance.

- Office of Planning and Statistics.

- RMI, Commercial Imports FY 1988, OPS, RMI.

**Table 7.5**

**Value of Imported Goods by Major Trading Partner, Last quarter  
of 1989 and years 1990 and 1991 (c.i.f. value in \$000's)**

Trading Partner	1989 (Last quarter)	1990	1991
Australia	a/	1148	895
Fiji	113	1133	821
Guam	647	4939	9216
Hawaii	983	9360	5024
Hongkong	175	1573	482
Japan	1622	8335	5446
New Zealand	184	761	247
Phillipines	10	115	241
Taiwan	49	261	98
U.S.A. Mainland	7083	27314	33008
Other countries	25	652	964
Total	11097	55591	56442

Note: a/ -included under other countries

Source:- Ministry of Finance

- Office of Planning and Statistics

FIGURE - 21  
IMPORTS BY MAJOR TRADING PARTNERS, 1991 (IN PERCENTAGE)

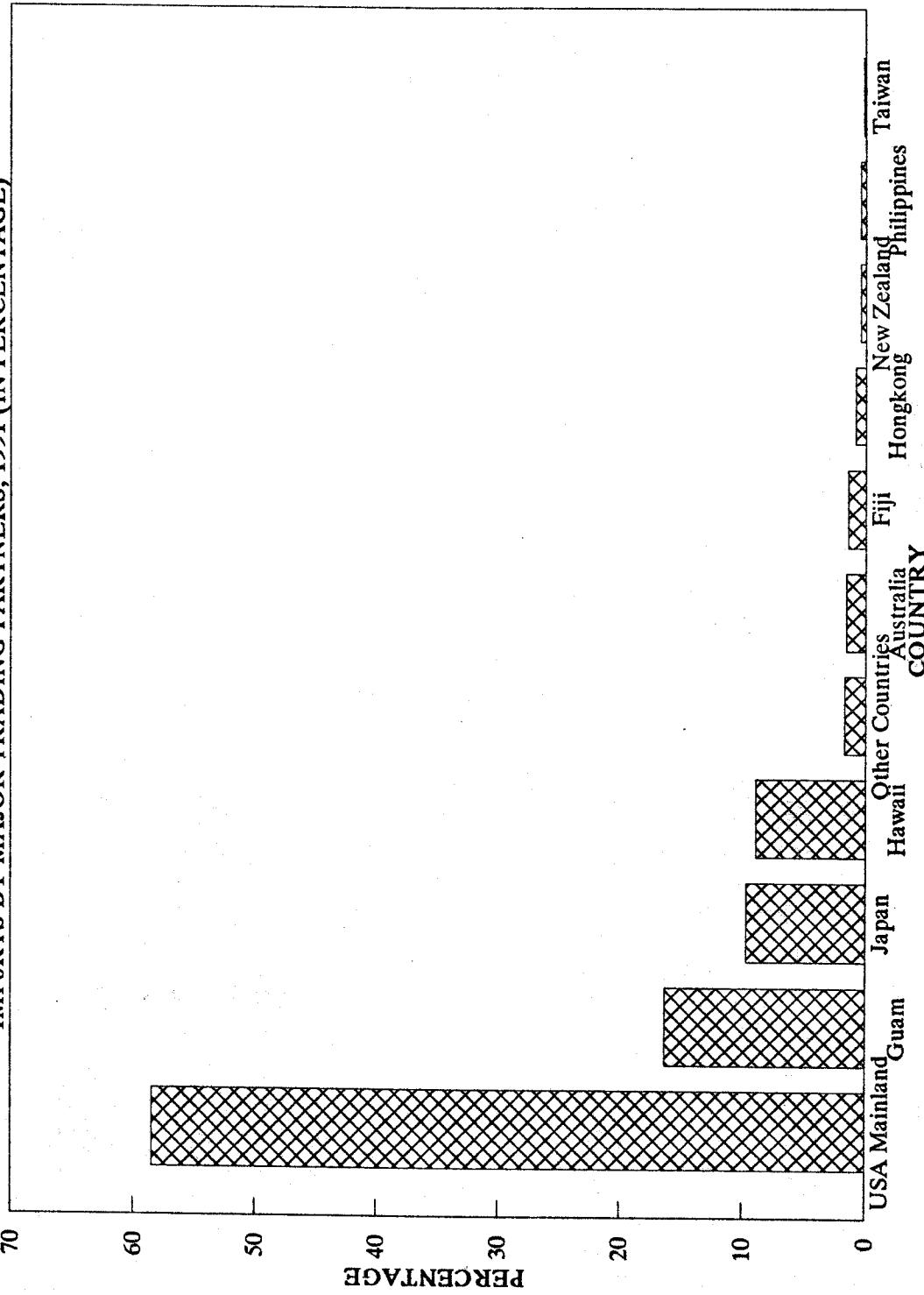


Table 7.6

Imports to the Marshall Islands by two digit harmonized system codes for the last quarter of 1989 and years 1990 and 1991  
 (c.i.f. values in \$000's)

Code	Description	1989 last quarter	1990	1991
01	Animals; live	0	22,511	0
02	Meat and edible meat offal	723,867	2,555,669	2,367,902
03	Fish and crustaceans, molluscs and other aquatic invertebrates	110,523	30,063	7,285
04	Dairy produce; birds' eggs; natural honey, edible products of animal origin, not elsewhere specified or included	119,171	774,827	735,483
05	Animal originated products, not elsewhere specified or included	1,630	79	0
06	Trees and other plants, live; bulbs, roots and the like, cut flowers and ornamental foliage	0	2,396	5,973
07	Vegetables and certain roots and tubers; edible	204,087	401,659	204,196
08	Fruit and nuts, edible; peel of citrus fruit or melons	57,321	259,711	104,506
09	Coffee, tea, mate and spices	79,308	447,129	191,750
10	Cereals	401,116	1,320,352	1,330,705
11	Products of the milling industry; malt; starches; inulin; wheat gluten	78,708	503,735	577,196
12	Oil seeds and oleaginous fruits; miscellaneous grains, seeds and fruit, industrial or medicinal plants; straw and fodder	30,902	733	0
13	Lac; gums, resins and other vegetable saps and extracts	51,649	16,692	0
14	Vegetable plaiting materials; vegetable products not elsewhere specified or included	5,000	1,268	656
15	Animal or vegetable fats and oil and their cleavage products; prepared animal fats; animal or vegetable waxes	40,359	202,108	107,768
16	Meat, fish or crustaceans, molluscs or other aquatic invertebrates; preparations thereof	289,272	1,782,700	1,688,368
17	Sugar and sugar confectionery	228,337	1,174,885	1,005,095
18	Cocoa and cocoa preparations	6,358	39,969	103,849
19	Preparations of cereals, flour, starch or milk; pastry cooks' products	383,314	1,760,212	2,808,849
20	Preparations of vegetables, fruit, nuts or other parts of plants	350,896	796,540	398,191
21	Miscellaneous edible preparations	693,178	2,773,295	4,360,252
22	Beverages, spirits and vinegar	401,748	2,139,725	2,356,083
23	Residues and waste from the food industries; prepared animal fooder	581	45,338	81,809
24	Tobacco and manufactured tobacco substitutes	301,647	796,264	1,041,283
25	Salt; sulphur; earths, stone; plastering materials, lime and cement	180,013	552,270	546,213
26	Ores slag and ash	0	3,789	0
27	Mineral fuels, mineral oils and products or their distillation; bituminous substances; mineral waxes	113,658	2,411,741	5,783,190

(continued)

**Table 7.6  
Imports to the Marshall Islands by two digit harmonized system codes for the last quarter of 1989 and years 1990 and 1991  
(c.i.f. values in \$000's) - continued**

Code	Description	1989 last quarter	1990	1991
28	Inorganic chemicals; organic and inorganic compounds of precious metals; of rare earth metals, of radiod-active elements and of isotopes	15,309	35,203	1,040
29	Organic chemicals	15,062	66,349	14,088
30	Pharmaceutical products	22,603	224,304	258,370
31	Fertilizers	7,557	7,812	0
32	Tanning or dyeing extracts; tanning and their derivatives; dyes, pigments and other colouring matter; paints, varnishes; putty, other mastics; inks	33,552	356,400	132,038
33	Essential oils and resinoids; perfume, cosmetic or toilet preparations	133,952	248,191	181,165
34	Soap, organic surface-active agents; washing, lubricating, polishing, scouring preparations; artificial, prepared waxes; candles etc., modeling pastes, dental waxes, preparations with a basis of plaster	117,065	778,483	530,828
35	Albuminoidal substances; modified starches; clues; enzymes	3,121	31,592	15,969
36	Explosives; pyrotechnic products; matches; pyrophoric alloys; certain combustible preparations	877	47,352	27,002
37	Photographic or cinematographic goods	3,610	23,209	44,430
38	Chemical products N. E. S.	44,728	335,905	560,224
39	Plastics and articles thereof	147,729	514,812	546,720
40	Rubber and articles thereof	27,073	216,026	166,055
41	Raw hides and skins (other than furskins) and leather	0	877	0
42	Articles of leather; saddlery and harness; travel goods, handbags and similar containers; articles of animal cut (other than silk-worn cut)	47,495	38,414	28,889
43	Furskins and artificial fur; manufactures thereof	4,832	48,694	6,118
44	Wood and articles of wood; wood charcoal	716,321	1,642,190	1,603,833
45	Cork and articles of cork	1,928	77	0
46	Manufactures of straw, esparto, or other plaiting materials; basketware and wickerwork	0	14,081	16,683
47	Pulp of wood or of other fibrous cellulosic material; waste scrap of paper or paperboard; paper and paperboard articles thereof	218,064	865,299	843,753
48	Paper and paperboard; articles of paper pulp, of paper or paperboard	29,766	120,437	238,310
49	Printed books, newspapers, pictures and other products of the printing industry; manuscripts, typescripts and plans	14,845	13,231	0
50	Silk	0	0	681
51	Wool fine or coarse animal hair, horse hair, yarn and woven fabric	11,553	9,871	8,666
52	Cotton	6,907	3,918	33,400
53	Vegetable textile fibres; papeer yarn and woven fabrics of paper yarn			

(continued)

**Table 7.6**  
**Imports to the Marshall Islands by two digit harmonized system codes for the last quarter of 1989 and years 1990 and 1991**  
(c.i.f. values in \$000's) - continued

Code	Description	1989 last quarter	1990	1991
54	Man-made filaments	759	1,980	0
55	Man-made staple fibres	0	2,176	366
56	Wadding, felt and nonwovens, special yarns; twine, cordage, ropes and cables and articles thereof	46,101 4,500	19,960 24,317	19,739 19,167
57	Carpets and other textile floor coverings	5,006	65,541	11,483
58	Fabrics; special woven fabrics, tufted textile fabrics, lace, tapestries, trimmings, embroidery	3,900	84,903	4,850
59	Textile fabrics; impregnated, coated, covered or laminated; textile articles of a kind suitable for industrial use	0	5,760	0
60	Fabrics; knitted or crocheted	2,718	9,233	17,687
61	Apparel and clothing accessories; knitted or crocheted	106,574	15,054	103,910
62	Apparel and clothing accessories; not knitted or crocheted	527,085	2,978,412	3,288,662
63	Textiles, made up articles; sets; worn clothing and worn textile articles; rags	113,599	587,194	696,971
64	Footwear; gaiters and the like; parts of such articles	1,622	5,381	2,221
65	Headgear and parts thereof	180	2,901	14,452
66	Umbrellas, sun umbrellas, walking-sticks, seat sticks, whips, riding chops; and parts thereof	2,327 20,298	2,682 72,936	6,770 5,998
67	Feathers and down, prepared; and articles made of feather or of down; artificial flowers; articles of human hair	59,770	233,565	124,052
68	Stone, plaster, cement, asbestos, mica or similar materials; articles thereof	45,097	135,358	104,225
69	Ceramic products	2,031	13,143	43,793
70	Glass and glassware	81,476	64,206	81,961
71	Metal clad with precious metal, articles, thereof; imitation jewellery; coin	173,558	814,915	1,291,168
72	Iron and steel	32,403	5,528,355	155,139
73	Iron or steel articles	0	0	0
74	Copper and articles thereof	198,185	118,326	332,220
75	Nickel and articles thereof	0	0	0
76	Aluminium and articles thereof	0	0	53
77	Lead and articles thereof	0	0	0
79	Zinc and articles thereof	355	5,838	0
80	Tin; articles thereof	15,886	65,583	9,226

(continued)

**Table 7.6**  
**Imports to the Marshall Islands by two digit harmonized system codes for the last quarter of 1989 and years 1990 and 1991**  
(c.i.f. values in \$000's) - continued

Code	Description	1989 last quarter	1990	1991
81	Metal; N.E.S., cermets and articles thereof	8	11,391	0
82	Tools, implements, cutlery, spoons and forks of base metal; parts thereof, of base metal	63,462 28,463	363,563 98,457	248,603 161,898
83	Metal; miscellaneous products of base metal			
84	Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof	595,607	3,575,614	2,798,411
85	Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers parts and accessories of such articles	376,651 0	2,194,751 0	2,656,264 0
86	Vehicles; other than railway or tramway rolling stock, and parts and accessories thereof	1,342,982 15,972 16,810	4,474,442 711,248 156,347	3,278,096 438,746 182,331
87	Vehicles; other than railway or tramway rolling stock, and parts and accessories thereof			
88	Aircraft, spacecraft and parts thereof			
89	Ships, boats and floating structures			
90	Optical, photographic, cinematographic, measuring, checking, Medical or surgical instruments and apparatus; parts and accessories	10,847	258,067	95,081
91	Clocks and watches and parts thereof	28,545	81,102	147,870
92	Musical instruments; parts and accessories of such articles	92	12,191	26,058
93	Arms and ammunitions; parts and accessories thereof	0	0	200
94	Furniture; bedding, mattresses, mattress supports, cushions etc. stuffed furnishings; lamps and lighting fittings N.E.C.; illuminated signs, illuminated nameplates and the like; prefabricated buildings	113,917	1,376,295	442,651
95	Toys, games and sports requisites; parts and accessories thereof	118,970	261,163	3,108,521
96	Miscellaneous manufactured articles	76,531	157,201	201,572
97	Works of art; collectors' pieces and antiques	388,352	4,543,332	5,249,258
	Total	11,097,231	55,591,269	56,441,509

Note: Data for 1989 are only for the last quarter of 1989.

TABLE : 7.7

IMPORTS TO THE MARSHALL ISLANDS BY PORT OF ENTRY, LAST QUARTER 1989  
AND YEARS 1990 AND 1991 (C.I.F. VALUE \$000's)

Port	1989 Last quarter		1990		1991	
	Amount	Percent	Amount	Percent	Amount	Percent
Majuro	9,014	81	43,805	79	39,022	69
Ebeye	1,525	14	5,661	10	8,072	14
Majuro Parcel Post	215	2	1,474	3	3,706	7
Ebeye Parcel Post	98	1	719	1	780	1
Majuro Airport	245	2	3,915	7	4,780	8
Kwajalein Airport	...	...	17	...	82	...
Total	11,097	100	55,591	100	56,442	100

Source: - Ministry of Finance  
- Office of Planning and Statistics

TABLE : 7.8

OIL IMPORTS BY TYPE OF OIL - MAJURO, EBEEYE AND JALUIT, 1986 - 1989 (US GALLONS).

Type of Oil	1986	1987	1988	1989
Majuro				
Gasoline				
Super Unleaded	40,444	53,293	97,269	277,160
Regular	990,130	1,221,291	924,950	797,662
Kerosene	901,444	2,012,668	1,517,167	1,535,083
Diesel	1,335,758	1,025,823	1,537,407	1,016,430
Marshall Energy Company				
Diesel	2,015,328	3,869,166	3,079,146	4,213,946
Ebeye				
Gasoline				
Super Unleaded	-	-	-	-
Regular	188,891	211,375	219,421	224,978
Kerosene	17,211	53,430	38,970	55,714
Diesel	1,055,929	1,327,081	1,530,811	1,412,827
Jaluit				
Gasoline (Super Unleaded)	-	-	21,237	24,502
Kerosene	-	-	24,772	9,088
Diesel	-	-	133,553	113,534
Grand Total				
Gasoline				
Super Unleaded	40,444	53,293	118,506	301,662
Regular	1,179,021	1,432,666	1,144,371	1,022,640
Kerosene	918,655	2,066,098	1,580,909	1,599,885
Diesel	4,407,015	6,222,070	6,280,917	6,756,737
Total US Gallons	6,545,135	9,774,127	9,124,703	9,680,924
Barrels	155,837	232,717	217,255	230,498

Source: Marshalls Energy Company and MOBIL, Majuro.

TABLE : 7.9

DIESEL IMPORT AND QUANTITIES SOLD TO FOREIGN VESSELS, 1986 - 1988  
(BARRELS).

	1986	1987	1988
<b>Imports</b>	104,929	148,145	149,546
<b>Quantity</b>			
<b>Sold to Foreign Vessels</b>	44,000	59,114	64,958
<b>Domestic use</b>	60,929	89,031	84,588

Note : Data for 1989 was only available from the Marshalls Energy Company, which imported 100,332 barrels of diesel and exported 35,461 barrels (35.3%).

Source: Marshalls Energy Company and MOBIL, Majuro.

TABLE: 7.10  
EXPORTS BY COMMODITY 1979 - 1991 (\$000'S).

Commodity	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Copra cake	84	462	341	304	320	241	195	128	38	6	99	94	18
Crude coconut oil	2,993	1,832	2,253	1,766	2,794	5,202	2,417	974	1,654	1,743	1,679	1148	1396
Handicrafts	258	233	301	95	29	30	33	26	31	1	N.A.	2	4
Live animals	62	50	73	60	58	49	37	31	8	8	236	264	517
Trochus Shells	-	-	-	-	-	-	-	-	179	350	467	179	176
Scrap metal	-	-	-	-	-	-	-	-	8	-	-	1	-
Chilled fish	-	-	-	-	-	-	-	-	-	0.8	-	8	-
Shark fins	-	-	-	-	-	-	-	-	-	-	-	-	779
Others	-	-	-	-	-	-	-	-	-	-	-	31	-
Total	3,397	2,577	2,968	2,225	3,201	5,522	2,682	1,159	1,918	2,108	2,489	1,719	2,890

Note : Values free on board.

Source: - Ministry of Finance.  
- Office of Planning and Statistics.

## **SECTION 8**

### **8. CONSUMER PRICE INDEX**

## **8. Consumer Price Index**

The Office of Planning and Statistics has been compiling a Consumer Price Index on a quarterly basis since 1983. Prices of the selected items sold in the major retail outlets in Majuro are recorded every quarter, and the index is computed on the basis of the weights attached to them. The overall index rose by 24.7 points in nine years. Although there is a steady rise in the index, the rise seems to be very moderate. The index needs revision as there appears to be some weaknesses in the computations. The weights used in the index are 10 years old, and during this period the expenditure patterns have undoubtedly changed. The number of items needs to be increased to obtain a more representative shopping basket and to reduce the statistical bias. The geographical coverage also needs to be expanded to include at least Ebeye, the major urban center, so that the index would cover about two thirds of the population. An income and expenditure survey is necessary to improve the quality of the index. It has been proposed to include a questionnaire on income and expenditure of households, in the intercensal multipurpose household survey which is being planned for 1993 with a view to collecting information to improve the quality of the index.

TABLE : 8.1  
QUARTERLY CONSUMER PRICE INDEX, MAJURO, 1982 - 1991.

Year/Quarter	All Groups	Food	Household/ Personal	Apparel	Durables/ Fuel
	BASE WEIGHT				
	100.00	57.71	14.76	11.95	15.58
1982 -4	100.00	100.00	100.00	100.00	100.00
1983 -1	100.65	102.88	97.87	98.34	96.75
-2	103.39	105.85	99.61	97.04	102.72
-3	102.91	103.93	101.64	99.02	103.35
-4	104.14	105.19	108.04	94.90	103.63
1984 -1	108.65	111.07	99.74	105.21	110.79
-2	109.62	109.96	109.05	104.45	112.85
-3	106.59	107.77	102.15	102.76	109.36
-4	107.98	104.04	114.93	108.89	115.33
1985 -1	109.46	106.80	109.77	115.46	114.42
-2	108.79	104.32	112.97	104.58	123.88
-3	106.20	104.64	102.56	104.67	116.56
-4	107.42	106.71	101.16	107.01	116.30
1986 -1	107.99	105.65	111.68	102.06	117.68
-2	109.66	106.97	110.16	107.97	120.44
-3	115.90	113.58	113.89	120.79	122.37
-4	116.51	105.61	121.97	128.20	142.72
1987 -1	111.91	102.84	121.91	123.85	109.06
-2	110.70	105.20	117.87	126.13	112.43
-3	111.94	105.20	117.10	138.21	111.86
-4	112.86	106.10	136.11	127.11	106.88
1988 -1	115.50	109.41	132.52	130.22	110.67
-2	112.11	106.98	122.73	124.94	111.22
-3	114.14	109.46	124.06	128.55	111.05
-4	117.07	113.08	120.83	134.25	115.09
1989 -1	114.11	113.13	125.37	110.61	109.76
-2	115.59	111.01	130.91	127.76	108.70
-3	119.04	116.78	126.21	123.25	117.37
-4	119.87	117.76	132.25	120.25	115.67
1990 -1	114.80	113.90	124.60	116.60	114.80
-2	118.40	119.20	131.50	113.40	106.90
-3	118.10	119.90	132.50	107.90	105.80
-4	120.60	121.00	128.50	124.10	109.00
1991 -1	121.00	120.70	122.90	135.50	109.20
-2	120.70	119.50	129.20	126.70	112.50
-3	124.20	125.30	138.40	113.80	114.50
-4	124.70	125.00	132.00	126.50	115.30

Note : The collection of the prices for the consumer baskets of goods needs to be updated. At this moment the basket of goods is too small to give reliable data on the consumer price index. The prices do not reflect final prices, since some shops do not include local tax in their pricing, while others do for certain items.

The collection of data for the consumer price index will be completely revised after the 'Household Income and Expenditure Survey', which is being planned for 1993.

Source: Office of Planning and Statistics

**FIGURE - 22**  
QUARTERLY CONSUMER PRICE INDEX, MAJURO, 1982-1991

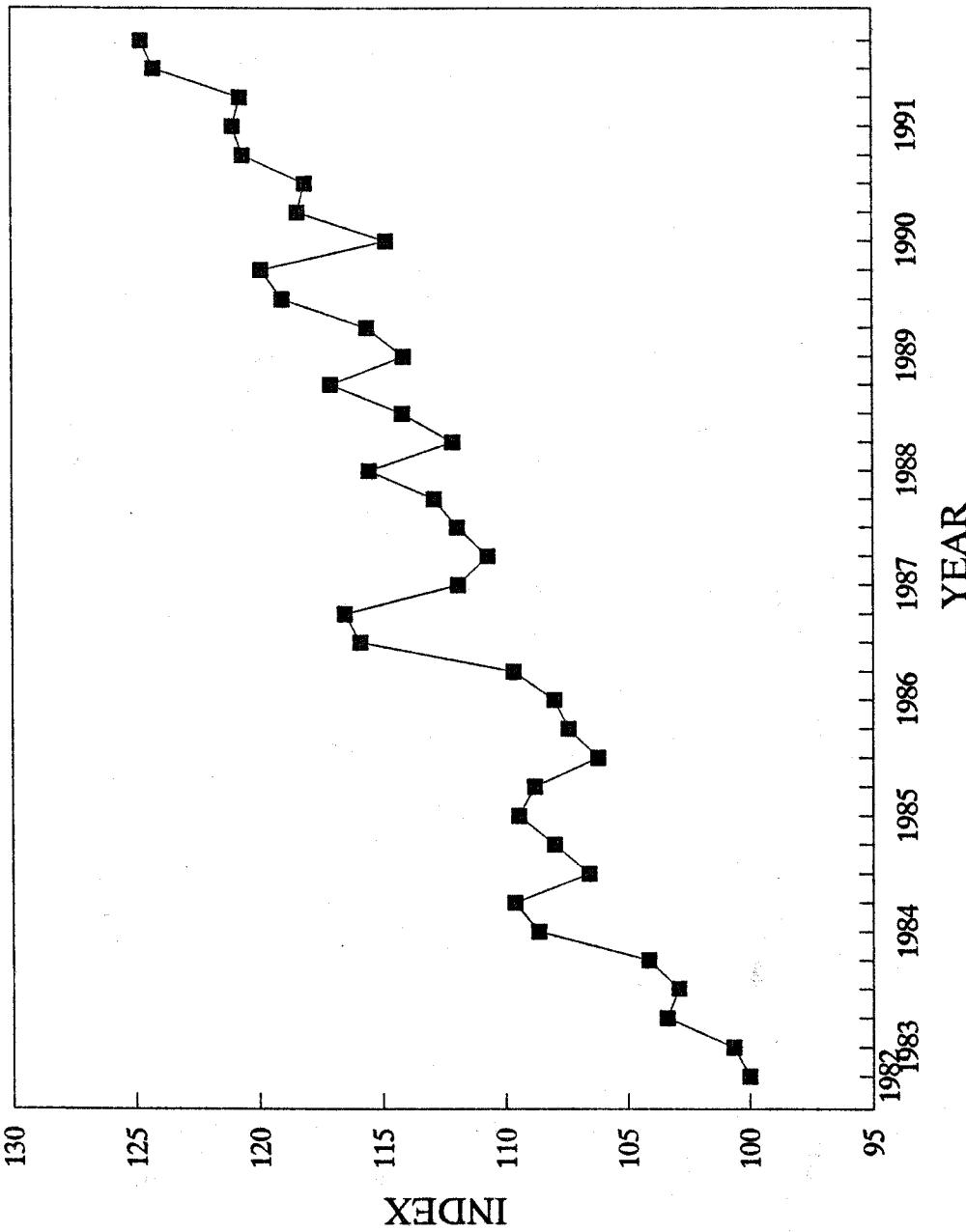


TABLE : 8.2  
 CHANGE IN CONSUMER PRICE INDEX, MAJURO, 1982 - 1991.  
 (PERCENTAGE CHANGE FROM CORRESPONDING QUARTER OF PREVIOUS YEAR).

Year/Quarter	All Groups	Food	Household/ Personal	Apparel	Durables/ Fuel
1983 - 4	4.1	5.1	8.0	-5.1	3.6
1984 - 1	7.9	7.9	1.8	6.9	14.5
- 2	6.0	3.8	9.4	7.6	9.8
- 3	3.5	3.6	0.5	3.7	5.8
- 4	3.6	-1.0	6.3	14.7	14.2
1985 - 1	0.7	-3.8	10.0	9.7	3.2
- 2	-0.7	-5.1	3.5	1.0	9.7
- 3	-0.3	0.3	0.4	1.8	6.5
- 4	-0.5	2.5	-11.9	-1.7	0.8
1986 - 1	-1.3	-1.1	1.7	-11.6	2.8
- 2	0.8	2.5	-2.5	3.2	-2.8
- 3	9.1	8.5	11.0	15.4	5.0
- 4	8.5	-1.0	20.6	19.8	22.7
1987 - 1	3.6	-2.7	9.2	21.9	-7.3
- 2	0.7	-1.7	7.0	16.8	-6.7
- 3	-3.4	-7.4	2.8	14.4	-8.6
- 4	-3.1	0.5	11.6	-0.9	-25.1
1988 - 1	3.2	6.4	8.7	5.1	1.5
- 2	1.3	1.7	4.1	-0.9	-1.1
- 3	2.0	4.0	5.9	-7.0	-0.7
- 4	3.7	6.6	-11.2	5.6	7.7
1989 - 1	-1.2	3.4	-5.4	-15.1	-0.8
- 2	3.1	3.8	6.7	2.3	-2.3
- 3	4.3	6.7	1.7	-4.1	5.7
- 4	2.4	4.1	9.5	-10.4	0.5
1990 - 1	0.6	0.7	-0.6	5.4	4.6
- 2	2.4	7.3	0.5	-11.2	-1.7
- 3	-0.8	2.7	4.9	-12.5	-9.9
- 4	0.6	2.8	-2.8	3.2	-5.8
1991 - 1	5.4	5.9	-1.4	16.2	-4.9
- 2	1.9	0.3	-1.7	11.7	5.2
- 3	5.2	4.5	4.5	5.5	8.2
- 4	3.4	3.3	2.7	1.9	5.8

Note : The collection of the prices for the consumer baskets of goods needs to be updated. At this moment the basket of goods is too small to give reliable data on the consumer price index. The prices do not reflect final prices, since some shops do not include local tax in their pricing, while others do for certain items.

The collection of data for the consumer price index will be completely revised after the 'Household Income and Expenditure Survey', which is being planned for 1993.

Source: Office of Planning and Statistics

## **SECTION 9**

### **9. VISITOR STATISTICS**

## **9. Visitor Statistics**

The monitoring of visitors to the Marshall Islands was greatly enhanced in 1989 by the joint implementation of the 'Arrival Card' system by the Immigration Division within the Ministry of Foreign Affairs and by the Office of Planning and Statistics.

For the first time ever, a comprehensive analysis of visitors was possible. However processing of visitor data has not been possible due to resource constraints and hence the presentation of data in this section does not include data for 1990. It is also believed that visitor numbers are still being under reported.

With the use of more comprehensive categories for reasons of visit, it appeared that visitors recorded as tourists, before 1989, in fact were people in transit or making a stopover. Nearly 24% of the 6,868 visitors in 1991 were in transit or made a stopover while 33% came for business and about 14% came for holiday or as tourists.

Most visitors in 1991 came from the USA, followed by Kiribati and Japan.

**TABLE : 9.1**  
**VISITOR ARRIVALS, MARSHALL ISLANDS, 1969 - 1991.**

<b>Year</b>	<b>Number of Visitors</b>
1969	905
1970	1,246
1971	1,862
1972	1,359
1973	3,153
1974	2,705
1975	3,347
1976	2,919
1978	3,801
1979	2,833
1980	..
1981	1,242
1982	2,258
1983	3,630
1984	3,903
1985	2,914
1986	3,427
1987	3,131
1988	3,578
1989	3,701
1990	4,856
1991	6,868

Source: - Quarterly Bulletin of Statistics, TTPI.

- Ministry of Foreign Affairs, Immigration Office
- Office of Planning and Statistics.

FIGURE - 23  
VISITOR ARRIVALS TO MARSHALL ISLANDS, 1981-1991

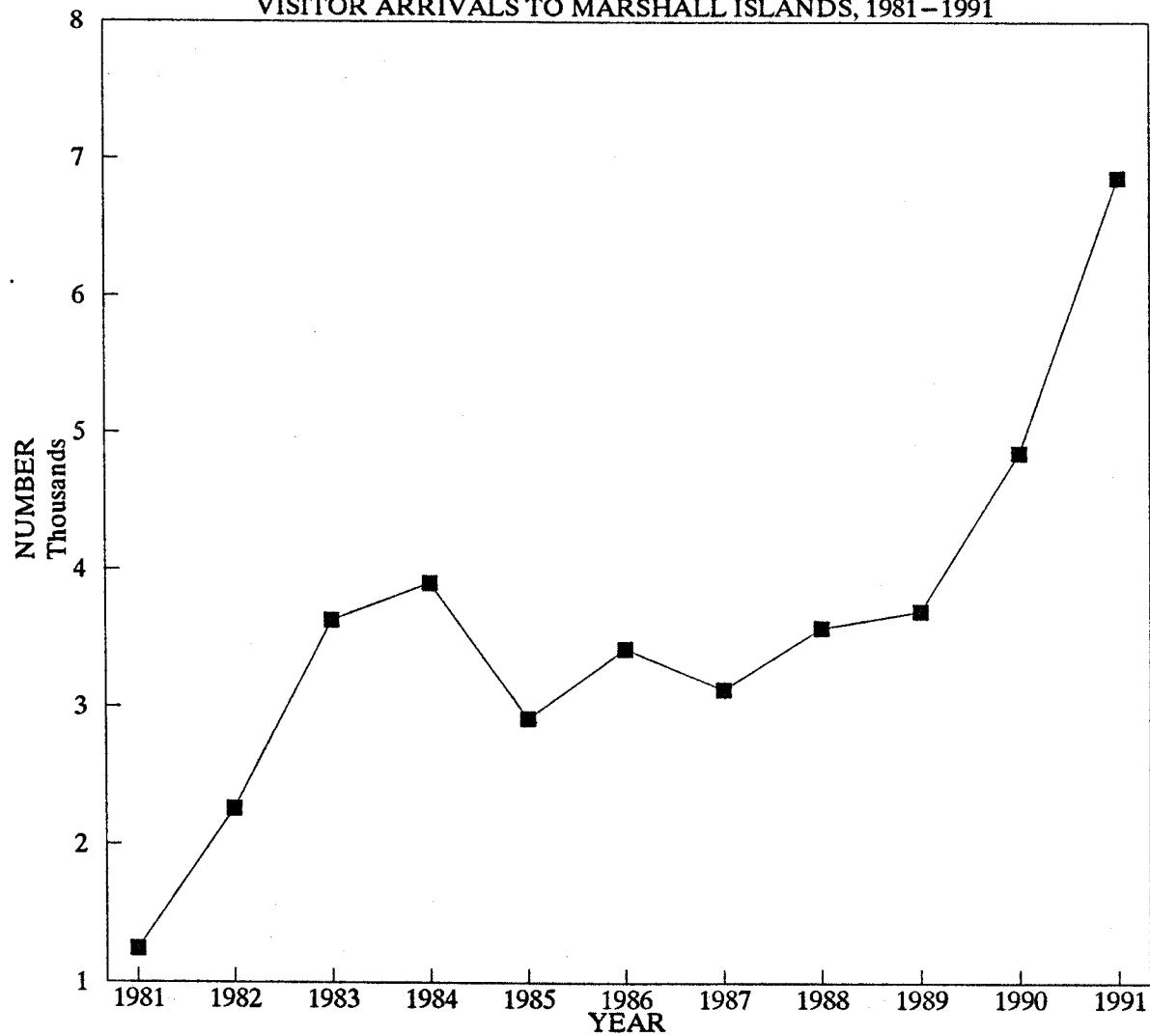


TABLE : 9.2  
QUARTERLY VISITOR ARRIVALS BY PURPOSE, 1983 - 1988.

Quarter	Tourism	Business	Purpose Religious Activity	Employ-ment	Other	Total
<b>1983</b>						
First Quarter	587	253	40	59	57	996
Second Quarter	541	184	21	84	50	880
Third Quarter	368	255	45	52	101	821
Fourth Quarter	503	259	52	55	64	933
<b>Total</b>	<b>1,999</b>	<b>951</b>	<b>158</b>	<b>250</b>	<b>272</b>	<b>3,630</b>
<b>1984</b>						
First Quarter	839	262	82	77	152	1,402
Second Quarter	509	221	32	80	89	931
Third Quarter	404	265	25	44	54	792
Fourth Quarter	414	230	59	29	46	778
<b>Total</b>	<b>2,166</b>	<b>978</b>	<b>198</b>	<b>230</b>	<b>341</b>	<b>3,903</b>
<b>1985</b>						
First Quarter	595	120	4	35	45	799
Second Quarter	603	135	5	33	73	849
Third Quarter	359	225	30	41	93	748
Fourth Quarter	301	156	16	24	21	518
<b>Total</b>	<b>1,858</b>	<b>636</b>	<b>55</b>	<b>133</b>	<b>232</b>	<b>2,914</b>
<b>1986</b>						
First Quarter	401	304	27	18	57	807
Second Quarter	409	231	2	46	77	765
Third Quarter	624	285	9	51	130	1,099
Fourth Quarter	414	177	5	43	117	756
<b>Total</b>	<b>1,848</b>	<b>997</b>	<b>43</b>	<b>158</b>	<b>381</b>	<b>3,427</b>
<b>1987</b>						
First Quarter	822	24	1	74	190	1,111
Second Quarter	462	18	3	66	138	687
Third Quarter	559	15	3	38	142	757
Fourth Quarter	447	94	1	14	20	576
<b>Total</b>	<b>2,290</b>	<b>151</b>	<b>8</b>	<b>192</b>	<b>490</b>	<b>3,131</b>
<b>1988</b>						
First Quarter	766	99	0	48	0	913
Second Quarter	595	11	0	21	13	640
Third Quarter	779	46	0	33	37	895
Fourth Quarter	720	149	2	107	152	1,130
<b>Total</b>	<b>2,860</b>	<b>305</b>	<b>2</b>	<b>209</b>	<b>202</b>	<b>3,578</b>

Note : Since January 1989 the Ministry of Foreign Affairs and the Office of Planning and Statistics jointly implemented a 'Visitor Arrival Card'. This card uses different purpose categories than the ones shown in this table. From these new categories it can be concluded that the visitors previously recorded coming as tourists were in fact largely in transit or made a stopover.

Source : Ministry of Foreign Affairs, Immigration Office.

**TABLE : 9.3**  
**VISITORS TO THE MARSHALL ISLANDS BY AGE GROUP AND SEX, 1989 AND 1991**

Age Group	1989				1991				
	Male	Female	Total	Percent	Male	Female	Not Stated	Total	Percent
0- 4	30	23	53	1.4	58	35	0	93	1.4
5- 9	20	21	41	1.1	29	48	0	77	1.1
10-14	30	24	54	1.5	51	54	0	105	1.5
15-19	44	34	78	2.1	78	88	1	167	2.4
20-24	158	78	236	6.4	344	165	0	509	7.4
25-29	309	97	406	11.0	400	182	0	582	8.5
30-34.	432	102	534	14.4	683	206	0	889	12.9
35-39	431	103	534	14.4	745	223	0	968	14.1
40-44	410	108	518	14.0	756	212	1	969	14.1
45-49	324	75	399	10.8	610	176	0	786	11.4
50-54	249	52	301	8.1	471	122	0	593	8.6
55-59	127	38	165	4.5	306	88	1	395	5.8
60-64	132	43	175	4.7	256	93	0	349	5.1
65-69	78	26	104	2.8	133	49	0	182	2.6
70 +	26	15	41	1.1	70	23	0	93	1.4
Not Stated	43	19	62	1.7	74	32	5	111	1.6
<b>Total</b>	<b>2,843</b>	<b>858</b>	<b>3,701</b>	<b>100</b>	<b>5064</b>	<b>1796</b>	<b>8</b>	<b>6868</b>	<b>100</b>

Note : Data for 1990 have not been processed.

Source : Ministry of Foreign Affairs, Immigration Division and  
Office of Planning and Statistics.

**TABLE: 9.4**  
**VISITORS TO THE MARSHALL ISLANDS BY MONTH, 1989 AND 1991**

Month	Number of Visitors	
	1989	1991
January	195	783
February	164	493
March	264	478
April	216	633
May	434	519
June	276	648
July	404	803
August	434	615
September	142	462
October	547	473
November	432	479
December	193	482
<b>Total</b>	<b>3,701</b>	<b>6,868</b>

Note : Data for 1990 have not been processed.

Source : Ministry of Foreign Affairs, Immigration Division  
 and Office of Planning and Statistics.

**TABLE : 9.5**  
**VISITORS TO THE MARSHALL ISLANDS BY NATIONALITY AND MAIN PURPOSE OF VISIT 1989 and 1991.**

Nationality	1989			1991			Not stated	Total
	Returning resident	Employ- ment	Visitor	Total	Returning resident	Employ- ment		
U.S.A.	81	145	1,073	3	1,302	244	221	2,721
Kiribati	22	20	642	1	685	17	13	917
Japan	1	15	349	0	365	20	10	508
F.S.M.	2	7	221	0	230	4	3	282
Australia	4	6	137	0	147	19	20	189
Phillipines	14	50	87	0	151	73	16	227
New Zealand	5	7	81	0	93	26	8	125
Fiji	2	2	66	1	71	32	3	99
Marshall Islands	57	1	10	0	68	0	102	25
Germany, Federal	0	0	0	0	0	3	2	125
Republic	1	0	63	0	64	0	1	49
Belau	1	0	42	0	43	0	5	97
Tuvalu	-	0	39	0	39	74	35	1,023
Other	26	33	383	1	443	3	0	8
<b>Total</b>	<b>216</b>	<b>286</b>	<b>3,193</b>	<b>6</b>	<b>3,701</b>	<b>515</b>	<b>439</b>	<b>5,897</b>
								<b>17</b>
								<b>6,868</b>

**Note :** The break down by purpose is based on 9 months of complete registration for 1989.  
Data for 1990 have not been processed.

**Source :** Ministry of Foreign Affairs, Immigration Division and  
Office of Planning and Statistics.

**TABLE : 9.6**  
**VISITORS TO THE MARSHALL ISLANDS (VISITOR CATEGORY) BY MAJOR OCCUPATION GROUP, 1989 AND 1991**

Occupation	1989		1991	
	No.	Percentage	No.	Percentage
Professional, Technical & Related workers	1,431	45	1,351	23
Administrative & Managerial Workers	347	11	833	14
Clerical & Related Workers	97	3	443	8
Sales Workers	478	15	690	12
Service Workers	59	2	134	2
Agricultural & Related Workers / Fishermen	48	2	321	5
Production Workers, Transport Equipment Operators & Labourers	538	17	777	13
Not Stated	198	6	1,348	23
<b>Total</b>	<b>3,196</b>	<b>100</b>	<b>5,897</b>	<b>100</b>

**Note :** The break down by major group is based on 9 months of complete Registration for 1989. Data for 1990 have not been processed.

**Source :** Ministry of Foreign Affairs, Immigration Division and  
Office of Planning and Statistics.

TABLE : 9.7  
VISITORS TO THE MARSHALL ISLANDS BY ACTIVITY AND SEX, 1989 AND 1991.

Activity	1989			1991			Percent		
	Male	Female	Total	Percent	Male	Female	Not stated	Total	
Transit, stopover	1,015	217	1,232	33.3	1,356	272	5	1,633	23.8
Business	989	169	1,158	31.3	1,860	411	0	2,271	33.1
Holiday (Tourists)	253	102	355	9.6	621	326	1	948	13.8
Visiting friends or relatives	182	105	287	7.8	349	281	0	630	9.2
Other	401	260	661	17.9	858	501	2	1,361	19.8
Not Available	3	5	8	0.2	17	5	3	25	0.4
<b>Total</b>	<b>2,843</b>	<b>858</b>	<b>3,701</b>	<b>100.0</b>	<b>5,061</b>	<b>1,796</b>	<b>11</b>	<b>6,868</b>	<b>100</b>

Note : 1. The break down by major group is based on 9 months of complete registration for 1989. Data for 1990 have not been processed.

2. Include returning residents and person came for employment.

Source : Ministry of Foreign Affairs, Immigration Division and  
Office of Planning and Statistics.

FIGURE - 24  
 VISITORS TO THE MARSHALL ISLANDS BY ACTIVITY, 1989 and 1991.

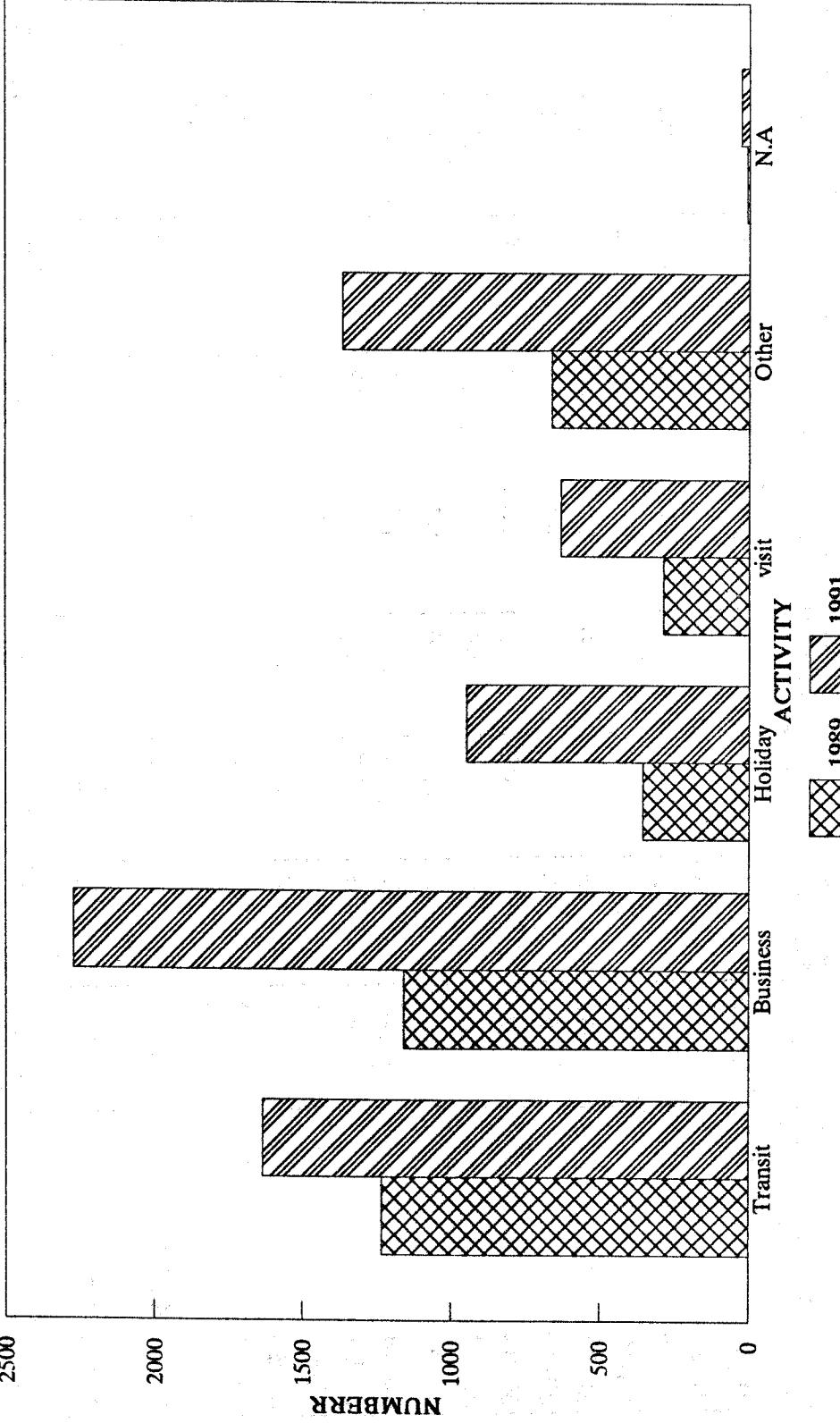


TABLE : 9.8  
TOURISTS BY AGE GROUP AND SEX, 1989 AND 1991.

Age Group	1989			1991			Percent
	Male	Female	Total	Male	Female	Not stated	
0-4	2	1	3	1	12	5	17
5-9	1	1	2	2	6	0	8
10-14	2	2	4	1	10	0	20
15-19	4	2	6	2	8	0	22
20-24	17	6	23	6	32	0	62
25-29	27	13	40	11	57	34	91
30-34	29	13	42	12	70	49	119
35-39	38	12	50	14	83	41	124
40-44	45	13	58	16	88	37	126
45-49	23	11	34	10	72	17	99
50-54	21	6	27	8	64	19	83
55-59	7	7	14	4	47	22	69
60-64	17	4	21	6	29	14	43
65-69	9	8	17	5	27	15	42
70 +	5	2	7	2	12	8	20
Not Stated	6	1	7	2	8	5	13
Average age	40.3	40.3	40.3	41.3	37.3	42.02	39.7
Total	253	102	355	100	621	326	1
							948
							100

Source : Ministry of Foreign Affairs, Immigration Division and  
Office of Planning and Statistics.

**TABLE : 9.9**  
**TOURISTS BY NATIONALITY, 1989 AND 1991.**

Nationality	1989		1991	
	Number	Percent	Number	Percent
U.S.A.	120	33.7	304	32.1
Kiribati	21	5.9	24	2.5
Japan	99	27.8	173	18.2
F.S.M	5	1.4	14	1.5
Australia	12	3.4	22	2.3
Phillipines	6	1.7	22	2.3
New Zealand	4	1.0	6	0.6
Fiji			5	0.5
Marshall Islands			1	0.1
Germany, Federal Republic	28	7.9	65	6.9
Palau			0	0.0
Tuvalu	4	1.0	4	0.4
Other	57	16.1	306	32.3
Not stated			2	0.2
<b>Total</b>	<b>355</b>	<b>100.0</b>	<b>948</b>	<b>100.0</b>

**Note :** The break down is based on 9 months of complete registration for 1989. Data for 1990 have not been processed

**Source :** Ministry of Foreign Affairs, Immigration Division and Office of Planning and Statistics.

## **SECTION 10**

### **10. PUBLIC SECTOR FINANCE**

## **10. Public Sector Finance**

For Fiscal year 1991 (ended September 30, 1991) total revenues of the Government were 94.1 million dollars (1990, 105 million) while total expenditures amounted to 99.5 million (1990, 96.5 million), resulting in a shortfall of revenue over expenditure by 5.4 million. Other sources and uses had a positive balance of 26.8 million and the total fund balance at the end of the year was 209.7 million U.S. dollars).

Compact funding accounted for almost 51% of total revenue generated in Fiscal year 1991, while taxes and other local revenue accounted for almost 16% of total revenue. The balance came for most part from interest earnings (11.5 million or 12.2%) and Federal Contributions (5.2 million or 5.5%)

On the expenditure side the Ministries and Offices used almost 34% of total expenditure, followed by Local Government (12.7%), Capital Projects 12.5%), debt retirement (7.5%). and debt servicing (5.9%).

TABLE : 10.1 (a)

COMBINED STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCE (DEFICIT),  
 ALL GOVERNMENTAL FUND TYPES AND EXPENDABLE TRUST FUNDS, YEAR ENDED SEPTEMBER, 30 1990  
 (WITH COMPARATIVE TOTALS FOR THE YEAR ENDED SEPTEMBER 30, 1989).

	GOVERNMENTAL FUND TYPES					IDIUCIARY FUNDS	(MEMORUNDUM ONLY)
	GENERAL FUND	SPECIAL REVENUE FUND	DEBT SERVICE FUND	CAPITAL PROJECTS FUNDS	EXPENDABLE TRUST FUNDS		
<b>REVENUES:</b>							
COMPACT FUNDING	11,955,040	6,629,000	-	25,190,300	7,438,000	51,212,340	43,286,640
TAXES	13,793,657	-	-	-	-	13,793,657	13,731,532
OTHER LOCAL REVENUES	17,279	-	-	-	-	17,279	303,981
DEPT. OF THE INTERIOR - TTPI	-	-	-	-	-	-	1,344,402
DEPT. OF THE INTERIOR - OTIA	-	876,004	-	771,603	-	1,647,607	31,638
FEDERAL CONTRIBUTIONS	-	6,592,278	-	760,054	-	7,352,332	8,420,159
FEDERAL AND OTHER - DIRECT	-	224,278	-	3,008,733	2,338,361	5,571,372	133,200
FEES AND CHARGES	119,012	1,376,179	-	-	-	1,495,191	1,073,994
LAND USE FEES - US	-	-	-	-	-	-	-
FISHING RIGHTS REVENUES	1,187,970	-	-	-	-	1,187,970	1,343,542
INTEREST	3,172,696	-	625,279	77,947	15,158,697	19,034,619	17,547,906
OTHER	1,995,769	1,473,665	-	227,474	-	3,698,908	2,298,425
<b>TOTAL REVENUES</b>	<b>32,241,423</b>	<b>17,171,404</b>	<b>625,279</b>	<b>30,036,111</b>	<b>24,935,058</b>	<b>105,009,275</b>	<b>89,513,399</b>
<b>EXPENDITURES :</b>							
PRESIDENT AND CABINET	909,044	364,154	-	-	-	1,273,198	2,188,942
COUNCIL OF IROIJ	176,697	129,772	-	-	-	306,469	189,385
SPECIAL APPROPRIATIONS	4,099,272	-	-	-	-	4,099,272	3,683,230
MINISTRIES AND OFFICES	16,564,095	13,664,767	-	-	-	30,228,862	26,873,213
COMMISSION AND AUTHORITIES	1,544,526	-	-	-	-	1,544,526	1,709,517
NITIJELA	1,004,460	-	-	-	-	1,004,460	1,000,300
JUDICIARY	-	205,209	-	-	-	205,209	418,193
OTHER	229,299	2,102,543	-	-	6,427,827	8,759,669	6,545,425
DEBT SERVICE - PRINCIPAL							
RETIREMENT	-	-	7,181,963	-	-	7,181,963	6,500,000
DEBT SERVICE - INTEREST	-	-	6,725,907	-	-	6,725,907	5,023,200
CAPITAL PROJECTS	-	-	-	15,267,214	-	15,267,214	12,017,664
LAND USE DISTRIBUTIONS	-	-	-	-	7,312,615	7,312,615	7,136,823
LOCAL GOVERNMENTS	-	-	-	-	12,589,226	12,589,226	12,464,958
<b>TOTAL EXPENDITURES.....</b>	<b>24,527,393</b>	<b>16,466,445</b>	<b>13,907,870</b>	<b>15,267,214</b>	<b>26,329,668</b>	<b>96,498,590</b>	<b>85,750,650</b>
<b>REVENUES OVER (UNDER)</b>							
EXPENDITURES	7,714,030	704,959	(13,282,591)	14,768,897	(1,394,610)	8,510,685	3,762,743
<b>OTHER SOURCES (USES):</b>							
BOND PROCEEDS	-	-	-	-	-	-	20,000,000
GAIN ON INVESTMENTS	-	-	-	-	(421,825)	(421,825)	1,820,390
OPERATING TRANSFERS IN	11,725	-	13,907,870	-	1,040,400	14,959,995	15,786,088
OPERATING TRANSFERS OUT	(8,108,900)	(47,268)	-	(17,524,870)	-	(25,681,038)	(24,694,870)
<b>TOTAL SOURCES (USES)</b>	<b>(8,097,175)</b>	<b>(47,268)</b>	<b>13,907,870</b>	<b>(17,524,870)</b>	<b>618,575</b>	<b>(11,142,868)</b>	<b>12,911,608</b>
<b>EXCESS (DEFICIENCY) OF</b>							
<b>REVENUES AND OTHER SOURCES</b>							
<b>OVER EXPENDITURE AND OTHER</b>							
<b>USES</b>	<b>(383,145)</b>	<b>657,691</b>	<b>825,279</b>	<b>(2,755,973)</b>	<b>(776,035)</b>	<b>(2,632,183)</b>	<b>16,674,357</b>
<b>FUND BALANCE (DEFICIT),</b>							
<b>BEGINNING OF YEAR</b>	<b>11,131,882</b>	<b>934,629</b>	<b>8,480,497</b>	<b>20,880,878</b>	<b>149,499,674</b>	<b>190,927,560</b>	<b>166,760,841</b>
<b>FUND BALANCE (DEFICIT),</b>							
<b>END OF YEAR</b>	<b>10,748,737</b>	<b>1,592,320</b>	<b>9,105,776</b>	<b>18,124,905</b>	<b>148,723,639</b>	<b>188,295,377</b>	<b>183,435,198</b>

Source : Extracted from 'The Republic of the Marshall Islands, General purpose Financial Statements and

Additional information for the Year ended September 30, 1990', Deloitte and Touche & Co. and the Office of the Auditor General.

TABLE : 10.1 (b)

COMBINED STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCE (DEFICIT),  
 ALL GOVERNMENTAL FUND TYPES AND EXPENDABLE TRUST FUNDS, YEAR ENDED SEPTEMBER, 30 1991  
 (WITH COMPARATIVE TOTALS FOR THE YEAR ENDED SEPTEMBER 30, 1990).

	GOVERNMENTAL FUND TYPES					FIDUCIARY	TOTALS (MEMORANDUM ONLY)
	GENERAL FUND		SPECIAL REVENUE FUND	DEBT SERVICE FUND	CAPITAL PROJECTS FUNDS	EXPENDABLE TRUST FUNDS	
REVENUES:							
COMPACT FUNDING	12,261,000	6,629,000	-	21,963,585	7,608,400	48,461,985	51,212,340
TAXES	14,667,950	-	-	-	-	14,667,950	13,793,657
OTHER LOCAL REVENUES	23,333	-	-	-	-	23,333	17,279
DEPT. OF THE INTERIOR - TTPM	-	-	-	1,050,968	-	1,050,968	-
DEPT. OF THE INTERIOR - OTIA	-	-	-	-	-	-	1,647,607
FEDERAL CONTRIBUTIONS	-	4,072,515	-	-	-	4,072,515	7,352,332
FEDERAL AND OTHER - DIRECT	-	1,123,984	-	-	-	1,123,984	5,571,372
FEES AND CHARGES	147,662	1,787,361	-	-	-	1,935,023	1,495,191
LAND USE FEES - US	-	-	-	-	-	-	-
FISHING RIGHTS REVENUES	1,855,851	-	-	-	-	1,855,851	1,187,970
INTEREST	2,026,636	-	584,831	26,416	8,874,911	11,512,794	19,034,619
OTHER	3,722,342	819,755	-	14,513	4,864,450	9,421,060	3,696,908
TOTAL REVENUES	34,704,774	14,432,615	584,831	23,055,482	21,347,761	94,125,463	105,009,275
EXPENDITURES :							
PRESIDENT AND CABINET	1,138,261	-	-	-	-	1,138,261	1,273,198
COUNCIL OF IROIJ	256,268	-	-	-	-	256,268	306,469
SPECIAL APPROPRIATIONS	3,710,488	-	-	-	-	3,710,488	4,099,272
MINISTRIES AND OFFICES	19,245,255	14,488,944	-	-	-	33,734,199	30,228,862
COMMISSION AND AUTHORITIES	1,445,378	-	-	-	-	1,445,378	1,544,526
NITIJELA	1,195,337	-	-	-	-	1,195,337	1,004,460
JUDICIARY	-	-	-	-	-	-	205,209
OTHER	1,738,663	-	-	-	10,049,818	11,788,481	8,759,669
DEBT SERVICE - PRINCIPAL	-	-	7,495,286	-	-	7,495,286	7,181,963
RETIREMENT	-	-	5,857,716	-	-	5,857,716	6,725,907
DEBT SERVICE - INTEREST	-	-	-	12,431,852	-	12,431,852	15,267,214
CAPITAL PROJECTS	-	-	-	-	7,747,402	7,747,402	7,312,615
LAND USE DISTRIBUTIONS	-	-	-	-	12,683,856	12,683,856	12,589,226
LOCAL GOVERNMENTS	-	-	-	-	-	-	-
TOTAL EXPENDITURES	28,729,650	14,488,944	13,353,002	12,431,852	30,481,076	99,484,524	96,498,590
REVENUES OVER (UNDER) EXPENDITURES	5,975,124	(56,329)	(12,768,171)	10,623,630	(9,133,315)	(5,359,061)	8,510,685
OTHER SOURCES (USES):							
BOND PROCEEDS	-	-	1,200,000	40,863,994	-	42,063,994	-
GAIN ON INVESTMENTS	-	-	-	(1,270,505)	-	(1,270,505)	(421,825)
OPERATING TRANSFERS IN	-	3,323,900	13,332,360	-	1,167,000	17,823,260	14,959,995
OPERATING TRANSFERS OUT	(6,132,150)	(3,046,400)	-	(22,669,015)	-	(31,847,565)	(25,681,038)
TOTAL SOURCES (USES).....	(6,132,150)	277,500	14,532,360	16,924,474	1,167,000	26,769,184	(11,142,868)
EXCESS (DEFICIENCY) OF REVENUES AND OTHER SOURCES OVER EXPENDITURE AND OTHER USES	(157,026)	221,171	1,764,189	27,548,104	(7,966,315)	21,410,123	(2,632,183)
FUND BALANCE (DEFICIT), BEGINNING OF YEAR	10,748,737	1,592,320	9,105,776	18,124,905	148,723,639	188,295,377	190,927,560
FUND BALANCE (DEFICIT), END OF YEAR	10,591,711	1,813,491	10,869,965	45,673,009	140,757,324	209,705,500	188,295,377

Source : Extracted from 'The Republic of the Marshall Islands, General purpose Financial Statements and Additional

Information for the Year ended September 30, 1991', Deloitte and Touche & Co. and the Office of the Auditor General.

TABLE : 10.2 (a)

STATEMENT OF REVENUES, GENERAL AND SPECIAL REVENUES FUNDS, YEARS ENDED  
SEPTEMBER 30, 1989 AND 1990.

	1990		1989	
	GENERAL FUND	SPECIAL REVENUE FUND	GENERAL FUND	SPECIAL REVENUE FUND
<b>REVENUES</b>				
COMPACT OF FREE ASSOCIATION	11,955,040	6,629,000	13,416,492	7,247,240
FEDERAL CONTRIBUTIONS		6,592,278	-	7,963,652
FEDERAL AND OTHERS, DIRECT		224,278	-	133,200
DEPARTMENT OF THE INTERIOR / OTIA		876,004	-	31,638
<b>TAXES</b>				
INCOME	6,125,576	-	7,745,383	-
IMPORT	5,506,785	-	4,520,071	-
GROSS REVENUE	516,134	-	897,594	-
FUEL	662,572	-	491,020	-
SALES	37,207	-	-	-
OTHERS	945,383	-	77,464	-
<b>OTHER LOCAL REVENUE</b>				
UTILITY CHARGES	17,279	-	89,473	-
HEALTH SERVICES	-	-	-	-
OTHER	-	-	-	-
<b>FEES AND CHARGES</b>				
BUSINESS	115,176	-	111,752	-
OTHER	3,836	1,376,179	85,629	876,613
<b>OTHER</b>				
FISHING RIGHTS INCOME	1,187,970	-	1,343,542	-
PHILATELIC SALES	408,841	-	231,472	-
SALE OF GOVERNMENT PROPERTY	22,310	-	630	-
INTEREST INCOME	3,172,696	-	1,903,324	-
SALES	-	247,329	-	214,488
MISCELLANEOUS	1,564,618	1,226,336	1,297,230	546,432
<b>TOTAL</b>	32,241,423	17,171,404	32,211,076	17,013,263
<b>OVERALL TOTAL</b>	49,412,827		49,224,339	

Source: Extracted from 'The Republic of the Marshall Islands, General Purpose Financial Statements and Information for the Year ended September 30, 1990, Deloitte and Touche and the Office of the Auditor General.'

TABLE: 10.2 (b)  
 STATEMENT OF REVENUES, GENERAL AND SPECIAL REVENUES FUNDS, YEARS ENDED  
 SEPTEMBER 30, 1990 AND 1991.

	1991		1990	
	GENERAL FUND	SPECIAL REVENUE FUND	GENERAL FUND	SPECIAL REVENUE FUND
<b>REVENUES</b>				
COMPACT OF FREE ASSOCIATION	12,261,000	6,629,000	11,955,040	6,629,000
FEDERAL CONTRIBUTIONS		4,072,515	-	6,592,278
FEDERAL AND OTHERS, DIRECT		1,123,984	-	224,278
DEPARTMENT OF THE INTERIOR / OTIA			-	876,004
<b>TAXES</b>				
INCOME	7,443,302	-	6,125,576	-
IMPORT	5,898,494	-	5,506,785	-
GROSS REVENUE	29,753	-	516,134	-
FUEL	537,652	-	662,572	-
SALES	-	-	37,207	-
OTHERS	758,749	-	945,383	-
<b>OTHER LOCAL REVENUE</b>				
UTILITY CHARGES	23,333	-	17,279	-
HEALTH SERVICES	-	-	-	-
OTHER	-	-	-	-
<b>FEES AND CHARGES</b>				
BUSINESS	93,279	-	115,176	-
OTHER	54,383	1,787,361	3,836	1,376,179
<b>OTHER</b>				
FISHING RIGHTS INCOME	1,855,851	-	1,187,970	-
PHILATELIC SALES	259,625	-	408,841	-
SALE OF GOVERNMENT PROPERTY	3,440	-	22,310	-
INTEREST INCOME	2,026,636	-	3,172,696	-
SALES	-	269,664	-	247,329
MISCELLANEOUS	3,459,277	550,091	1,564,618	1,226,336
<b>TOTAL</b>	34,704,774	14,432,615	32,241,423	17,171,404
<b>OVERALL TOTAL</b>	49,137,389		49,412,827	

Source: Extracted from 'The Republic of the Marshall Islands, General Purpose Financial Statements and Information for the Year ended September 30, 1991, Deloitte and Touche and the Office of the Auditor General.'

TABLE : 10.3 (a)

EXPENDITURES UNDER GENERAL AND SPECIAL REVENUE FUNDS, YEARS ENDED SEPTEMBER 30, 1989 AND 1990.

	1990			1989		
	TOTAL	GENERAL FUND	SPECIAL REVENUE FUND	TOTAL	GENERAL FUND	SPECIAL REVENUE FUND
<b>EXPENDITURES</b>						
PRESIDENT AND CABINET	918,998	918,998	-	901,515	901,515	-
COUNCIL OF IROIJ	174,250	174,250	-	191,121	191,121	-
NITIJELA	1,045,632	1,045,632	-	1,012,482	1,012,482	-
PUBLIC SERVICE COMMISION	1,315,391	667,189	648,202	1,410,468	515,850	894,618
ELECTION COMMISSION	150,329	150,329	-	140,300	140,300	-
MIDA OPERATIONS	193,682	193,682	-	38,148	38,148	-
<b>MINISTRIES AND OFFICES</b>						
CHIEF SECRETARY	744,173	380,019	364,154	1,709,004	421,175	1,287,829
PUBLIC DEFENDER	94,090	93,860	230	89,600	89,600	-
AUDITOR GENERA	209,284	209,284	-	205,283	205,283	-
MINISTRY OF HEALTH	6,933,264	3,584,710	3,348,554	7,210,039	3,714,343	3,495,696
MINISTRY OF EDUCATION	8,607,729	4,446,282	4,161,447	9,201,039	4,339,517	4,861,522
MINISTRY OF TRANSPORTATION AND COMMUNICATION	2,091,741	51,562	2,040,179	3,172,369	380,719	2,791,650
MINISTRY OF RESOURCES AND DEVELOPMENT	921,172	921,172	-	1,044,351	974,431	69,920
MINISTRY OF INTERIOR AND OUTER ISLAND AFFAIRS	830,856	638,045	192,811	760,867	564,710	196,157
MINISTRY OF JUSTICE	1,248,077	1,229,610	18,467	1,108,749	1,100,504	8,245
MINISTRY OF FINANCE	1,175,836	1,072,784	103,052	890,522	890,522	-
MINISTRY OF FOREIGN AFFAIRS	1,677,473	1,582,337	95,136	1,068,790	1,042,741	26,049
MINISTRY OF PUBLIC WORKS	3,656,564	1,090,013	2,566,551	1,347,790	1,316,152	31,638
MINISTRY OF SOCIAL SERVICES	1,273,285	1,189,283	84,002	581,154	540,397	40,757
JUDICIARY	205,209	-	205,209	764,497	-	764,497
HOUSING AUTHORITY	71,450	-	71,450	171,964	-	171,964
SOCIAL WELFARE	340,994	-	340,994	1,187,458	-	1,187,458
TECHNICAL ASSISTANCE	129,772	-	129,772	73,830	-	73,830
MISC. SPECIAL GRANTS	299,577	-	299,577	218,521	-	218,521
AIRPORT REVOLVING	265,381	-	265,381	100,966	-	100,966
SEAPORT REVOLVING	908,760	-	908,760	38,317	-	38,317
POSTAL SERVICES	287,831	-	287,831	227,959	-	227,959
COMMUNICATIONS	-	-	-	1,220	-	1,220
SPECIAL APPROPRIATIONS	4,287,830	4,287,830	-	3,684,260	3,684,260	-
OTHER	868,007	533,321	334,686	254,309	247,856	6,453
<b>TOTAL</b>	<b>40,926,637</b>	<b>24,460,192</b>	<b>16,466,445</b>	<b>38,806,892</b>	<b>22,311,626</b>	<b>16,495,266</b>

Source : Extracted from 'The Republic of the Marshall Islands, General Purpose Financial Statements and Information for the Year ended September 30, 1990, Deloitte and Touche and the Office of the Auditor General'

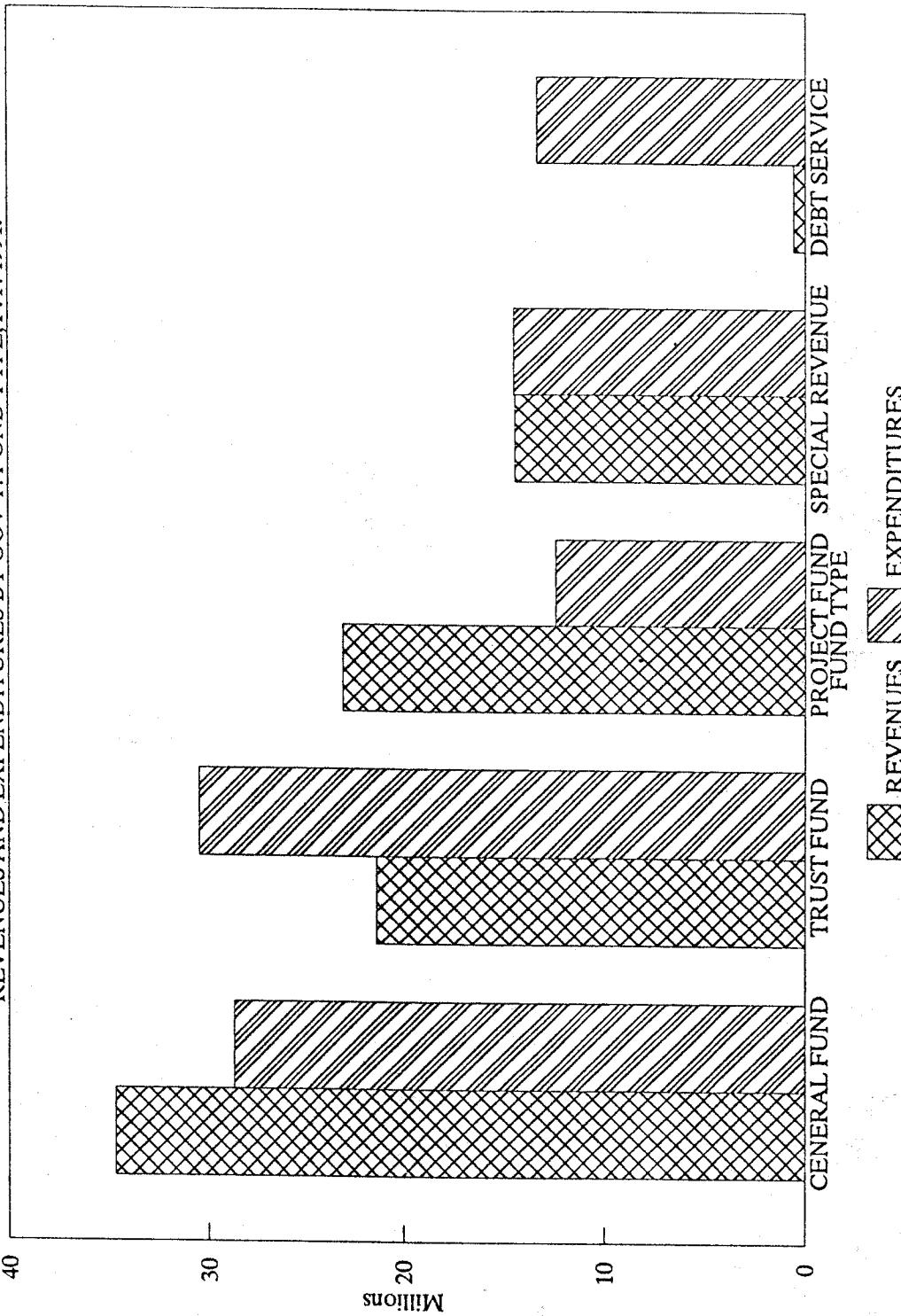
TABLE : 10.3 (b)  
 EXPENDITURES UNDER GENERAL AND SPECIAL REVENUE FUNDS, YEARS ENDED SEPTEMBER 30, 1990 AND  
 1991

	1991			1990		
	TOTAL	GENERAL FUND	SPECIAL REVENUE FUND	TOTAL	GENERAL FUND	SPECIAL REVENUE FUND
EXPENDITURES						
PRESIDENT AND CABINET	1,202,783	1,202,783	-	918,998	918,998	-
COUNCIL OF IROIJ	259,807	259,807	-	174,250	174,250	-
NITIJELA	1,150,950	1,150,950	-	1,045,632	1,045,632	-
PUBLIC SERVICE COMMISSION	1,674,825	746,038	928,787	1,315,391	667,189	648,202
ELECTION COMMISSION	139,485	139,485	-	150,329	150,329	-
MIDA OPERATIONS	248,700	248,700	-	193,682	193,682	-
MINISTRIES AND OFFICES						
CHIEF SECRETARY	1,337,316	497,113	840,203	744,173	380,019	364,154
PUBLIC DEFENDER	137,872	137,872	-	94,090	93,860	230
AUDITOR GENERA	207,842	207,842	-	209,284	209,284	-
MINISTRY OF HEALTH	8,323,780	3,964,673	4,359,107	6,933,264	3,584,710	3,348,554
MINISTRY OF EDUCATION	7,712,900	6,346,140	1,366,760	8,607,729	4,446,282	4,161,447
MINISTRY OF TRANSPORTATION AND COMMUNICATION	1,967,064	67,189	1,899,875	2,091,741	51,562	2,040,179
MINISTRY OF RESOURCES AND DEVELOPMENT	961,699	961,699	-	921,172	921,172	-
MINISTRY OF INTERIOR AND OUTER ISLAND AFFAIRS	849,718	828,772	20,946	830,856	638,045	192,811
MINISTRY OF JUSTICE	1,510,156	1,479,305	30,851	1,248,077	1,229,610	18,467
MINISTRY OF FINANCE	1,182,725	1,146,785	35,940	1,175,836	1,072,784	103,052
MINISTRY OF FOREIGN AFFAIRS	1,842,073	1,730,037	112,036	1,677,473	1,582,337	95,136
MINISTRY OF PUBLIC WORKS	2,666,462	1,490,596	1,175,866	3,656,564	1,090,013	2,566,551
MINISTRY OF SOCIAL SERVICES	2,746,933	1,222,805	1,524,128	1,273,285	1,189,283	84,002
JUDICIARY	581,802	156,000	425,802	205,209	-	205,209
HOUSING AUTHORITY	193	-	193	71,450	-	71,450
SOCIAL WELFARE	114,503	-	114,503	340,994	-	340,994
TECHNICAL ASSISTANCE	0	-	-	129,772	-	129,772
MISC. SPECIAL GRANTS	537,472	-	537,472	299,577	-	299,577
AIRPORT REVOLVING	286,078	-	286,078	265,381	-	265,381
SEAPORT REVOLVING	22,112	-	22,112	908,760	-	908,760
POSTAL SERVICES	244,821	-	244,821	287,831	-	287,831
COMMUNICATIONS	-	-	3	-	-	-
SPECIAL APPROPRIATIONS	3,591,436	3,591,436	-	4,287,830	4,287,830	-
OTHER	2,627,279	2,063,818	563,461	868,007	533,321	334,686
TOTAL	44,128,786	29,639,845	14,488,944	40,926,637	24,460,192	16,466,445

Source : Extracted from 'The Republic of the Marshall Islands, General Purpose Financial Statements and Information for the Year ended September 30, 1991, Deloitte and Touche and the Office of the Auditor General.

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FIGURE - 25  
REVENUES AND EXPENDITURES BY GOVT. FUND TYPE, F.Y. 1991.



**TABLE : 10.4**  
**COMBINING STATEMENT OF REVENUES, EXPENDITURES BY FUNCTION, CAPITAL  
 PROJECT FUNDS YEAR ENDED SEPTEMBER 30, 1990 AND 1991.**

	1991	1990	1989
<b>REVENUES</b>			
COMPACT FUNDING	21,963,585	25,190,300	15,312,823
FEDERAL AND OTHERS, DIRECT	-	3,008,733	-
DEPT. OF THE INTERIOR, TTPI	1,050,968	771,603	1,344,402
CONTRIBUTIONS	-	760,054	456,507
INTEREST	26,416	77,947	348,738
OTHER	14,523	227,474	220,661
<b>TOTAL REVENUE</b>	<b>23,055,492</b>	<b>30,036,111</b>	<b>17,683,131</b>
<b>EXPENDITURE</b>			
WATER SYSTEM PROJECT	735,970	-	611,399
LAURA WASTEWATER	25,329	-	100,124
SEWAGE CONSTRUCTION	186,482	149,114	516,742
JALUIT DOCK	-	-	338,543
HIGH SCHOOL CONSTRUCTION	-	-	366,054
VOCATIONAL TRAINING CENTER	267,876	-	-
BOND FEES AND EXPENSES	610,406	-	-
RMI TUNA EXPENSES	346,012	27,411	-
CROP REPLANTING	117,887	-	-
COPRA WAREHOUSE	101,033	-	77,939
PUBLIC WORKS COMPLEX	-	-	85,648
RE-ENGINEERING MICROSHIPS	511,553	-	-
WASHINGTON EMBASSY	-	1,879,981	-
MIDA EQUIPMENT	490,116	-	-
PL 1990-91 PROJECTS	470,000	-	-
DEVELOPMENT PROJECTS W/ISRAEL	413,945	-	-
SAAB DEPOSIT	200,000	-	-
DOCK REPAIR	-	-	-
ELECTRICAL DISTRIBUTION UPGRADE	-	-	62,739
ULIGA POWER SUB UPGRADE	-	-	49,765
POWER PLANT, INSPECTION AND CONSTRUCTION	-	456,178	-
ELEMENTARY SCHOOL	196,449	29,638	5,695
SANITARY FACILITIES	60,065	-	-
CAPITAL BUILDING DESIGN	1,937,076	2,436,224	5,157
OTHER	5,130,425	9,166,336	8,430,858
MARITIME	351,312	278,051	338,193
BOARD OF DIRECTORS	22,909	291,891	272,285
PLANNING AND INSPECTION	-	323,542	251,090
ADMINISTRATIVE AND FINANCE	257,007	228,848	375,796
<b>TOTAL EXPENDITURE</b>	<b>12,431,852</b>	<b>15,267,214</b>	<b>11,888,027</b>

Source : Extracted from 'The Republic of the Marshall Islands, General  
 Purpose Financial Statements and Information for the Year

TABLE : 10.5

**COMBINING STATEMENT OF REVENUES AND EXPENDITURES, EXPENDABLE  
TRUST FUNDS YEARS ENDED SEPTEMBER 30, 1988 - 1991.**

	1991	1990	1989	1988
<b>REVENUES</b>				
COMPACT FUNDING	7,608,400	7,438,000	7,310,085	7,182,600
LAND USE FEES	-	-	-	42,913
INTEREST INCOME AND OTHERS	8,874,911	15,158,697	14,670,587	3,494,540
PREMIUMS	4,864,450	2,338,361	-	38,086
<b>TOTAL REVENUE</b>	<b>21,347,761</b>	<b>24,935,058</b>	<b>21,980,672</b>	<b>10,758,139</b>
<b>EXPENDITURES</b>				
LAND USE DISTRIBUTIONS	7,747,402	7,312,615	7,136,623	7,027,709
MISCELLANEOUS - GRT	180,256	290,944	-	300,000
HEALTH	3,686,507	2,054,096	2,036,157	2,999,610
SECURITY PAYMENT - KMR	2,192,276	1,782,179	-	-
GUGEEGUE FACILITIES	-	-	-	471,894
BAD DEBT EXPENSE	607,775	580,748	432,764	-
CAPITAL OUTLAYS	-	21,198	129,637	963
GENERAL - ADMINISTRATIVE	646,192	517,332	49,649	34,521
CLAIMS TRIBUNAL	2,003,572	616,361	482,222	237,387
PROFESSIONAL FEES	733,240	564,969	980,437	759,525
LOCAL GOVERNMENTS	12,683,856	12,589,226	12,464,958	12,784,268
<b>TOTAL EXPENDITURE</b>	<b>30,481,076</b>	<b>26,329,668</b>	<b>23,712,447</b>	<b>24,615,877</b>

**Source :** Extracted from 'The Republic of the Marshall Islands, General Purpose Financial Statements and Information Report for the Years ended September 30, 1990 and September 30, 1991, Deloitte and Touche and the Office of the Auditor General.

## **SECTION 11**

### **11. NATIONAL ACCOUNTS**

## **11. National Accounts**

The Office of Planning and Statistics has calculated the Gross Domestic Product from 1981 to 1991 using the method of estimating the incomes of those engaged in the production of goods and services. Administrative records, tax records in particular, have been used to estimate taxable wages and salaries and profits which accounts for most of the GDP. Adhoc methods have been used to estimate the other elements of incomes which constitutes a small proportion of the GDP. This method has been used as there has been no systematic data collection to use the Production Approach or the Expenditure Approach of estimating the GDP. The present GDP also conveys little information on the performance of the various sectors of the economy. Development of the data base necessary to prepare the National Accounts needs urgent attention, and hence a project for revision of the National Accounts is expected to be implemented during 1993.

The GDP estimates which have been made without correcting for inflation reveal that between 1981 and 1991 the estimated GDP increased from US \$31.9 million to US \$75.7 million. The per capita GDP at market prices increased from US \$999 in 1981 to US \$1,643 by 1987, but declined to US \$1,576 in 1991.

Since the estimates are made from an inadequate date base estimates should be considered as provisional and subject to revision whenever more accurate information is available.

TABLE : 11.1  
GROSS DOMESTIC PRODUCT, 1981 - 1991 (FISCAL YEARS ENDED SEPTEMBER 30) (U.S. \$ 000), NOT CORRECTED FOR INFLATION.

Compensation of Employees:	YEAR										
	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
1. Total Compensation of Employees:	16,802	20,991	22,265	23,223	25,797	31,594	39,943	44,074	43,886	44,465	52,733
Government:											
1.1. Government	8,110	9,298	9,791	10,353	10,923	12,617	14,219	16,149	17,527	18,904	17,611
1.2. Free Housing Provided	360	430	500	575	580	593	611	665	510	633	936
1.3. Enterprise - Government	280	446	531	567	308	447	740	954	1,168	4,407	4,148
Total Government	8,750	10,174	10,822	11,495	11,810	13,657	15,570	17,768	19,205	23,944	22,695
Private:											
1.4. Private	2,924	4,803	5,292	5,392	6,559	9,589	13,582	17,036	17,027	14,544	16,153
1.5. KMR - Micronesian Tax	4,702	5,478	5,565	5,738	6,719	7,396	9,574	7,885	6,345	4,474	11,216
1.6. Other	73	120	132	135	164	239	339	425	386	489	543
1.7. Free Housing Provided	100	104	110	113	134	172	235	253	234	289	321
1.8. Social Security Contribution	153	208	220	225	269	345	470	507	492	455	1,505
1.9. Domestic Service	100	104	124	126	127	162	133	134	120	165	183
1.10. Non - Profit Institution (Museum)	N.A.	N.A.	N.A.	N.A.	15	34	40	86	77	105	117
Total Private:	8,052	10,817	11,443	11,728	13,987	17,937	24,373	26,306	24,681	20,521	30,038
2. Total Operating Surplus	11,208	10,778	14,452	15,993	14,098	17,827	18,634	19,156	20,086	20,626	16,765
2.1. Government Enterprises	218	-829	383	939	-1519	-327	842	197	(449)	(3,584)	(8,212)
2.2. Private Enterprises - Taxed	4,033	4,481	5,975	6,266	6,721	8,935	7,767	8,349	9,247	11,443	12,078
2.3. Enterprises not covered by Tax	97	112	149	157	167	222	192	207	229	283	299
2.4. Copra marketed	1,090	787	1,141	1,365	1,031	847	1,080	1,213	1,209	1,079	773
2.5. Other agricultural Products Marketed	630	680	743	793	841	890	956	1,004	1,076	1,246	1,292
2.6. Non Market Production	4,210	4,543	4,964	5,302	5,617	5,950	6,387	6,706	7,188	8,323	8,631
2.7. Rental - Rented Buildings	240	259	283	303	320	338	364	382	409	473	491
2.8. Imputed rental-owner occupied houses	690	745	814	869	920	973	1,046	1,098	1,177	1,363	1,413
3. Net Domestic Product	28,010	31,769	36,717	39,215	39,894	49,421	58,577	63,230	63,972	65,091	69,498
4. Consumption of Fixed Capital	1,150	1,571	1,730	1,805	1,933	2,445	2,902	3,075	2,896	3,189	3,086
5. Indirect Taxes	3,257	3,430	4,477	5,109	5,158	7,510	5,545	5,505	6,273	7,804	7,410
6. Subsidies	517	670	757	819	1,785	2,887	2,200	2,001	3,003	2,875	4,300
7. Gross Domestic Product	31,900	36,100	42,167	45,310	45,200	56,489	64,824	69,809	70,138	73,209	75,694

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

Source: - S.G. Tiwari. Report on Development of National Accounts and Related Matters In the Republic of Marshall Islands (TTP), 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.

FIGURE - 27  
ESTIMATED GROSS DOMESTIC PRODUCT, 1981 - 1991  
(IN MILLIONS, NOT CORRECTED FOR INFLATION)

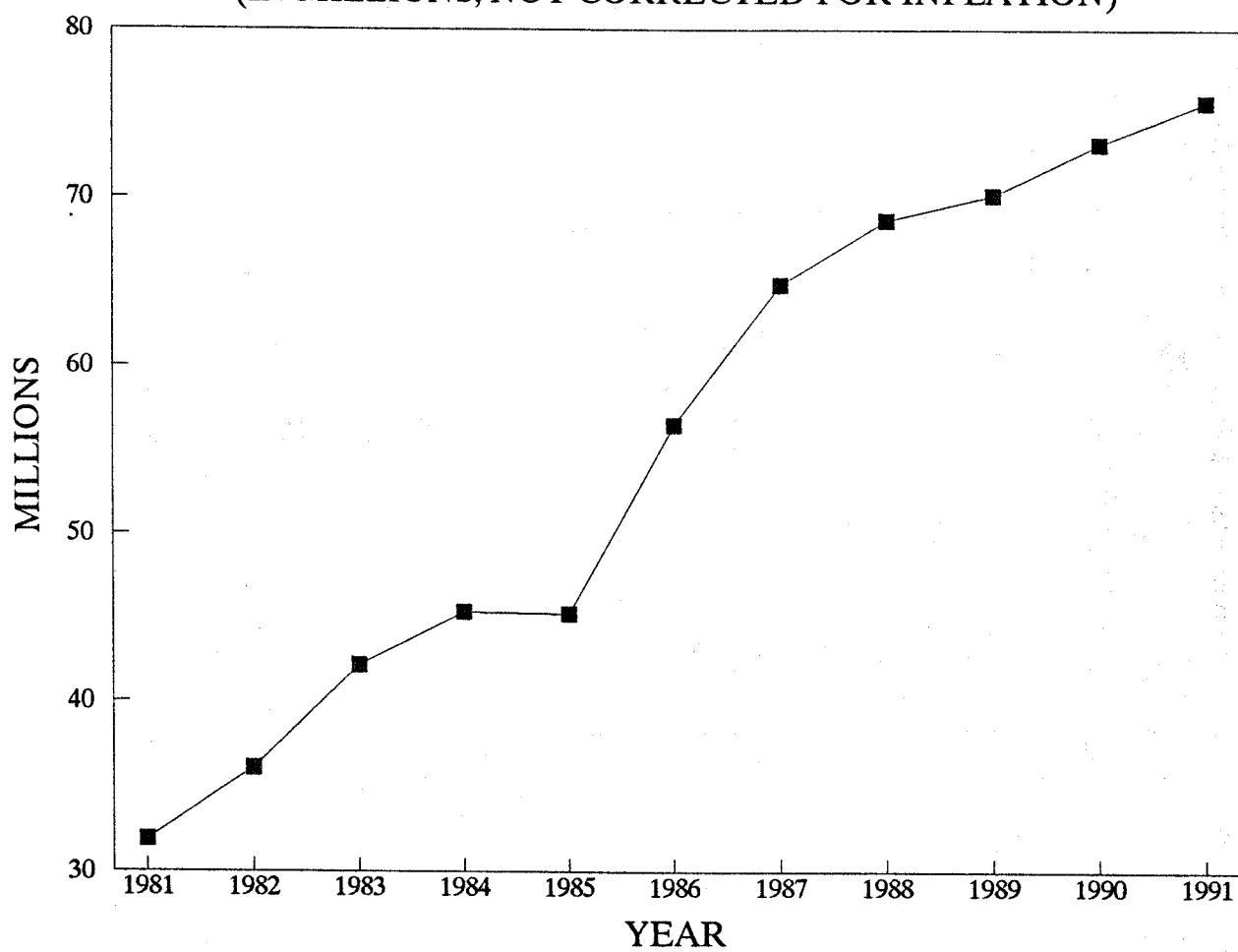


TABLE : 11.2 (a)  
GROSS DOMESTIC PRODUCT OF THE REPUBLIC OF THE MARSHALL ISLANDS, FISCAL YEARS ENDED SEPTEMBER 30,  
1981 - 1991, U.S. \$ MILLIONS.

	YEAR							1991
	1981	1982	1983	1984	1985	1986	1987	
1. Compensation of Employees	16.80	20.99	22.27	23.22	25.80	31.59	39.94	44.07
2. Operating Surplus	11.21	10.78	14.45	15.99	14.10	17.83	18.63	20.09
3. Net Domestic Product at Factor Cost	28.01	31.77	36.72	39.21	39.90	49.42	58.57	63.23
4. Consumption of Fixed Capital	1.15	1.57	1.73	1.81	1.93	2.45	2.90	3.08
5. Gross Domestic Product at Factor Cost	29.16	33.34	38.45	41.02	41.83	51.87	61.47	66.31
6. Indirect Taxes less Subsidies	2.74	2.76	3.72	4.29	3.37	4.62	3.35	3.50
7. Gross Domestic Product at Market Prices.	31.90	36.10	42.17	45.31	45.20	56.49	64.82	69.81
8. Mid-year Population estimate	31,927	33,036	34,199	35,420	36,702	38,044	39,449	42,692
9. Per Capita GDP at m.p. (\$)	99	1,093	1,233	1,279	1,232	1,485	1,643	1,635
10. Percentage increase over the previous year.								
10.1 GDP at m.p.	-	13.2	16.8	7.4	-0.2	25.0	14.7	7.7
10.2 Per Capita GDP at m.p.	-	9.4	12.8	3.7	-3.7	20.6	10.6	-0.5

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 (TTP), 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: 11.2 (b)  
GROSS DOMESTIC PRODUCT OF THE REPUBLIC OF THE MARSHALL ISLANDS, FISCAL YEARS ENDED SEPTEMBER 30,  
1981 - 1991, IN PERCENTAGES OF THE GROSS DOMESTIC PRODUCT AT MARKET PRICES.

		YEAR										
		1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
1.	Compensation of Employees	52.66	58.14	52.81	51.25	57.08	55.92	51.62	63.13	62.57	60.74	69.66
2.	Operating Surplus	35.14	29.86	34.27	35.29	31.19	31.56	28.74	27.44	28.64	28.17	22.16
3.	Net Domestic Product at Factor Cost	87.81	88.01	87.08	86.54	88.27	87.48	90.36	90.58	91.20	88.91	91.81
4.	Consumption of fixed Capital	3.61	4.35	4.10	3.99	4.27	4.34	4.47	4.41	4.14	4.36	4.08
5.	Gross Domestic Product at Factor Cost	91.41	92.35	91.18	90.53	92.54	91.82	94.84	94.99	95.34	93.27	95.89
6.	Indirect Taxes less Subsidies	8.59	7.65	8.82	9.47	7.46	8.18	5.16	5.01	4.66	6.73	4.11
7.	Gross Domestic Product at Market Prices.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
8.	Mid-year Population estimate	31,927	33,036	34,199	35,420	36,702	38,044	39,449	42,692	44,407	46,188	48,041
9.	Per Capita GDP at m.p. (\$)	999	1,093	1,233	1,279	1,236	1,485	1,643	1,635	1,579	1,585	1,576
10.	Percentage Increase over the previous year.											
10.1	GDP at m.p.	-	13.2	16.8	7.4	0.2	24.5	14.7	7.7	0.5	4.4	3.4
10.2	Per Capita GDP at m.p.	-	9.4	12.8	3.7	-3.3	20.1	10.6	-0.5	-3.5	0.4	-0.6

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 (TTP), 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  
GROSS DOMESTIC PRODUCT BY PUBLIC AND PRIVATE SECTORS FISCAL YEAR 1981-1991 (IN US \$ MILLIONS).

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
<b>PUBLIC</b>											
Government	8.47	9.73	10.29	10.92	11.50	13.21	14.83	16.81	18.04	19.54	18.55
Public Enterprises (b)	0.50	-0.38	0.92	1.51	-1.21	0.12	1.58	1.15	0.72	0.82	-4.06
Total Public	8.97	9.35	11.21	12.43	10.29	13.33	16.41	17.96	18.76	20.36	14.49
<b>PRIVATE</b>											
Establishment - taxed	11.91	15.07	17.16	17.73	20.41	26.47	31.67	34.09	33.42	31.30	41.39
Other - marketed	2.23	2.06	2.57	2.88	2.65	2.70	3.06	3.37	3.42	3.74	3.58
Other - non marketed (of which, owner-occupied dwellings)	4.90 (0.69)	5.29 (0.75)	5.78 (0.82)	6.17 -0.87	6.54 (0.92)	6.92 (0.97)	7.43 (1.04)	7.80 (1.10)	8.37 (1.18)	9.69 (1.36)	10.04 (1.41)
Total Private	19.04	22.42	25.51	26.78	29.60	36.09	42.16	45.26	45.21	44.73	55.01
Net Domestic Product	28.01	31.77	36.72	39.21	39.89	49.42	58.57	63.22	63.97	65.09	69.50
Consumption of fixed capital	1.15	1.57	1.73	1.81	1.93	2.45	2.90	3.08	2.90	3.19	3.09
Indirect taxes (net)	2.74	2.76	3.72	4.29	3.37	4.62	3.35	3.50	3.27	4.93	3.11
Gross Domestic Product at market prices	31.90	36.10	42.17	45.31	45.19	56.49	64.82	69.80	70.14	73.21	75.70

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 Accounts, Advisory Mission to the  
Republic of the Marshall Islands", (ESCAP), 1985

TABLE : 11.4  
COMPENSATION OF EMPLOYEES, FISCAL YEARS, 1981 - 1991 (US \$ 000).

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
<b>GOVERNMENT</b>											
Taxed	8,110	9,298	9,791	10,353	10,923	12,617	14,219	16,149	17,527	18,904	17,611
Benefits (incl. free housing)	360	430	500	575	580	593	611	665	510	633	936
<b>Total Government</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>	<b>18,547</b>
<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>4,148</b>
<b>PRIVATE</b>											
Taxed	2,924	4,803	5,292	5,392	6,574	9,623	13,622	17,122	17,104	14,649	16,270
KMR - Micronesians taxed	4,702	5,478	5,565	5,738	6,719	7,396	9,574	7,865	6,345	4,476	11,216
Other	73	120	132	135	164	239	339	425	386	489	543
Free Accommodation	100	104	110	113	133	172	235	253	234	289	321
Social Security Contribution	153	208	220	225	269	345	470	507	492	455	1,505
<b>Total Private</b>	<b>7,952</b>	<b>10,713</b>	<b>11,319</b>	<b>11,603</b>	<b>13,859</b>	<b>17,775</b>	<b>24,240</b>	<b>26,172</b>	<b>24,561</b>	<b>20,358</b>	<b>29,855</b>
<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>183</b>
<b>Total Employee Compensation</b>	<b>16,802</b>	<b>20,991</b>	<b>22,265</b>	<b>23,224</b>	<b>25,797</b>	<b>31,594</b>	<b>39,943</b>	<b>44,074</b>	<b>43,886</b>	<b>44,467</b>	<b>52,733</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 : 11.5  
OPERATING SURPLUS, FISCAL YEARS 1981 - 1991 (IN US \$ 000).

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
<b>Government Enterprises</b>	<b>218</b>	<b>-829</b>	<b>383</b>	<b>939</b>	<b>(1,519)</b>	<b>(327)</b>	<b>842</b>	<b>197</b>	<b>(449)</b>	<b>(3,584)</b>	<b>(8,212)</b>
<b>Private enterprises - taxes</b>	<b>4,033</b>	<b>4,481</b>	<b>5,975</b>	<b>6,266</b>	<b>6,721</b>	<b>8,935</b>	<b>7,767</b>	<b>8,349</b>	<b>9,247</b>	<b>11,443</b>	<b>12,078</b>
<b>Enterprises not covered by tax</b>	<b>97</b>	<b>112</b>	<b>149</b>	<b>157</b>	<b>167</b>	<b>222</b>	<b>192</b>	<b>207</b>	<b>229</b>	<b>283</b>	<b>299</b>
<b>Copra marketed</b>	<b>1,090</b>	<b>787</b>	<b>1,141</b>	<b>1,365</b>	<b>1,031</b>	<b>847</b>	<b>1,080</b>	<b>1,213</b>	<b>1,209</b>	<b>1,079</b>	<b>773</b>
<b>Other agri. products marketed</b>	<b>630</b>	<b>680</b>	<b>743</b>	<b>793</b>	<b>841</b>	<b>890</b>	<b>956</b>	<b>1,004</b>	<b>1,076</b>	<b>1,246</b>	<b>1,292</b>
<b>Non-marketed production</b>	<b>4,210</b>	<b>4,543</b>	<b>4,964</b>	<b>5,301</b>	<b>5,617</b>	<b>5,950</b>	<b>6,387</b>	<b>6,706</b>	<b>7,188</b>	<b>8,323</b>	<b>8,631</b>
<b>Rental - rented buildings</b>	<b>240</b>	<b>259</b>	<b>283</b>	<b>303</b>	<b>320</b>	<b>338</b>	<b>364</b>	<b>382</b>	<b>409</b>	<b>473</b>	<b>491</b>
<b>Imputed rental-owner occupied houses</b>	<b>690</b>	<b>745</b>	<b>814</b>	<b>869</b>	<b>920</b>	<b>973</b>	<b>1,046</b>	<b>1,098</b>	<b>1,177</b>	<b>1,363</b>	<b>1,413</b>
<b>Total operating surplus</b>	<b>11,208</b>	<b>10,778</b>	<b>14,452</b>	<b>15,993</b>	<b>14,098</b>	<b>17,828</b>	<b>18,634</b>	<b>19,156</b>	<b>20,086</b>	<b>20,626</b>	<b>16,765</b>
<b>Consumption of fixed capital</b>	<b>1,150</b>	<b>1,571</b>	<b>1,730</b>	<b>1,805</b>	<b>1,933</b>	<b>2,445</b>	<b>2,902</b>	<b>3,075</b>	<b>2,896</b>	<b>3,189</b>	<b>3,086</b>
<b>Gross operating surplus</b>	<b>12,358</b>	<b>12,349</b>	<b>16,182</b>	<b>17,798</b>	<b>16,031</b>	<b>20,273</b>	<b>21,536</b>	<b>22,231</b>	<b>22,982</b>	<b>23,815</b>	<b>19,851</b>

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

Source : K.N.C. Pillai: "Report on National Accounts Advisory Mission to the Republic of the Marshall Islands." (ESCAP), 1985.  
and Office of Planning and Statistics.

TABLE : 11.6

**GROSS REVENUE, REVENUE TAX AND WAGES AND SALARIES OF ALL PRIVATE ENTERPRISES SUBJECT TO TAX BY PRINCIPAL KIND OF ACTIVITY, 1981 (IN US \$ 000).**

Economic Activity	Gross Sales	Revenue Tax	Wages & Salaries
Agriculture and livestock	32.50	0.76	-
Food manufacturing	61.70	1.41	18.10
Furniture manufacturing	13.60	0.19	6.80
Printing, publishing	80.00	2.18	23.00
Construction (a)	2,235.60	66.20	193.60
Trade	24,349.90	729.62	1,467.40
Restaurant, eating and drinking	462.30	13.65	28.20
Hotel, rooming houses	338.40	11.43	297.80
Land transport	396.40	11.67	96.70
Water transport	32.30	0.75	15.80
Air transport	885.70	26.35	-
Services allied to transport	368.30	10.83	193.30
Insurance	415.80	6.31	12.00
Real estate	94.70	2.40	10.10
Business services	107.50	3.01	35.50
Equipment rental	9.90	0.08	-
Education services	14.20	0.21	523.00
Professional services	21.80	0.43	-
Entertainment, motion picture	76.20	2.07	1.80
Laundries and services	6.30	0.08	1.10
<b>Total :</b>	<b>30,003.10</b>	<b>889.63</b>	<b>2,924.20</b>

Note : (a) Value of gross margin is estimated at \$7,530,000 and net

Source : S.G. Tiwari : "Report on Development of National Accounts and related matters in the Republic of the Marshall Islands", 1982.

## **SECTION 12**

### **12. MISCELLANEOUS TABLES**

## **12. Miscellaneous Tables**

In this section the user will find information on registration of vehicles, telecommunication, docks and air fields, dispensaries, persons charged for offenses and found guilty; and production and consumption of utilities in Majuro, Ebeye and Outer islands. such as fresh water, fuel and electricity.

TABLE: 12.1

NUMBER OF PRIVATE SECTOR MOTOR VEHICLES REGISTERED, BY TYPE OF  
VEHICLE, MAJURO, 1982 - 1984 AND 1986 - 1991

Type of Vehicle	1982	1983	1984	1986	1987	1988	1989	1990	1991
Bus	21	11	45	4	5	10	4	14	4
Jeep	6	9	23	20	24	18	19	22	24
Mini-Pick up	24	33	32	-	-	-	49	36	43
Pick Up	238	164	261	258	309	289	198	24	498
Scooter	31	27	37	10	12	22	18	28	42
Sedan	385	317	447	525	606	676	526	647	806
Truck	30	19	35	50	54	58	66	82	33
Van	9	12	-	65	70	69	95	75	38
Total	744	592	880	932	1,080	1,142	975	928	1488

Note: 1985 figures are not available.

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

TABLE : 12.2  
 GOVERNMENT VEHICLE REGISTERED BY MINISTRIES AND OFFICES, 1987  
 TO 1992

Organization Name	1987	1988	1989	1990	1991	1992
Attorney General	1	-	-	1	-	-
Auditor General	1	1	1	-	-	-
Cabinet	2	-	1	-	-	-
Capitol Improvement Project	-	3	3	-	-	-
Chief Secretary	1	-	1	-	1	-
College of Micronesia	-	1	3	-	-	-
Council of Iroj	1	-	1	-	-	-
Department of Energy	1	2	1	-	-	-
Education	16	16	28	-	1	-
Finance	2	4	4	3	-	-
Foreign Affairs	4	-	4	-	1	-
Health Services	14	9	17	3	1	-
Interior and Outer Island Affairs	3	3	4	3	-	-
Justice	1	1	2	1	1	-
Nitijela	3	1	1	2	-	-
Planning and Statistics	1	1	1	-	-	1
Post Office	1	1	1	1	-	-
Procurement and Supply	1	-	1	1	-	-
Public Safety	8	7	9	-	-	1
Public Service Commission	1	1	1	1	-	-
Public Works	23	15	19	3	-	-
Resources and Development	17	9	21	1	1	2
Social Security	3	-	1	1	-	-
Social Services	9	8	13	-	-	-
Transportation and Communication	7	5	7	-	-	-
Head Start	-	-	6	-	-	-
MIDA	1	1	-	1	-	-
Sec. 177 Scientific Project			-	2	-	-
<b>TOTAL</b>	<b>122</b>	<b>89</b>	<b>151</b>	<b>22</b>	<b>6</b>	<b>4</b>

Note : Not all vehicles are registered.

Source : Procurement and Supply and Ministry of Finance.

TABLE : 12.3

MESSAGES TO FOREIGN COUNTRIES AND KWAJALEIN THROUGH THE MAJURO  
TELEPHONE SYSTEM, 1988, 1990 and 1991.

Name of Country	1988			1990			1991		
	Telephone Calls	Tele-grams	Telex	Telephone Calls	Tele-grams	Telex	Telephone Calls	Tele-grams	Telex
Africa	2	-	1	4	-	-	28	-	-
Am. Samoa	92	1	-	-	-	-	266	-	-
Australia	839	9	1,864	1,728	-	64	1,844	-	104
Canada	47	-	48	212	-	3	2,337	-	5
Caribean	9	1	1	-	-	-	-	-	-
Europe	406	10	619	1,168	-	170	1,257	-	55
Fiji	762	29	1,437	2,984	-	60	3,815	-	23
Fr. Polynesia	51	2	87	8	-	-	14	-	-
Guam	4,433	7	1,733	11,064	-	314	12,893	-	258
Hong Kong	10	2	135	349	-	10	406	-	21
India	37	1	-	32	-	1	39	-	1
Indonesia	3	-	3	42	-	4	25	-	1
Japan	2,741	6	1,706	4,575	-	374	5,666	-	472
Kiribati	244	5	127	1,196	-	68	1,474	-	51
Kosrae	217	-	-	324	-	-	233	-	-
Kwajalein	262	-	-	914	-	-	975	-	-
Latin America	8	1	-	5	-	-	3	-	-
Micronesia	1,651	-	283	4,023	-	40	5,211	-	32
Middle East	40	2	295	35	-	5	195	-	2
Nauru	321	1	-	623	-	71	637	-	82
New Zealand	898	4	-	2,762	-	181	4,200	-	309
Outer Islands	-	28	-	-	-	-	-	-	-
Phillipines	909	20	87	2,408	-	174	3,103	-	264
PNG	12	1	10	76	-	-	123	-	2
Saipan	1,157	1	-	2,034	-	991	2,323	-	817
Solomon Is.	66	1	61	162	-	1	212	-	-
South Korea	146	-	-	562	-	2	876	-	-
Sri Lanka	120	6	10	48	-	-	81	-	2
Taiwan	619	4	168	773	-	1	1,316	-	6
Tonga	57	1	15	61	-	-	30	-	-
Tuvalu	3	1	-	74	-	110	152	-	172
USA	9,754	29	3,964	57,714	-	1,111	76,868	-	1,683
Vanuatu	27	1	1	82	-	-	105	-	-
W. Samoa	13	1	34	16	-	-	-	-	-
Other Asian	50	2	70	559	-	46	572	-	53
Other	17	-	1,560	629	-	9	780	-	62
Total	26,023	177	14,319	97,246	-	3,810	128,059	-	4,477

Source : National Telecommunication Authority, Accounting Office.

**TABLE : 12.4**  
**NUMBER OF RADIO CONFERENCES FROM MAJURO TO ATOLL /**  
**ISLANDS, 1988-1991.**

Name of Atoll/Island	1988	1989	1990	1991
Ailinglaplap	38	42	57	100
Ailuk	38	73	51	88
Arno	30	8	21	9
Aur	27	27	41	56
Ebon	11	3	25	22
Enewetak	413	167	231	269
Jabat	23	30	48	55
Jaluit	94	86	109	133
Kili	9	5	19	6
Kwajalein	44	41	16	13
Lae	43	40	104	99
Lib	0	3	3	4
Likiep	40	25	45	39
Majuro	57	59	69	60
Maloelab	58	112	271	358
Mejit	14	8	33	24
Mili *	108	76	93	78
Namorik	34	28	18	25
Namu	72	41	49	104
Rongelap	1	0	0	3
Ujae	10	8	3	10
Ujelang	1	0	0	0
Utirik	28	12	13	49
Wotho	16	30	39	44
Wotje	67	49	69	52
<b>Total</b>	<b>1,276</b>	<b>973</b>	<b>1,427</b>	<b>1,700</b>

**Source: National Telecommunication Authority,  
 Accounting Office.**

TABLE : 12.5  
 NUMBER OF DISPENSARIES, DOCKS AND AIRFIELDS BY ATOLLS AND ISLANDS  
 1988 - 1991

Name of Atoll/Island	Population Census '88	Number of Dispensaries				Number of Docks	Number of Airfields
		1988	1989	1990	1991		
Ailinglaplap	1,715	6	6	6	6	-	3
Ailuk	488	2	2	2	2	-	1
Arno	1,656	8	8	8	8	-	2
Aur	438	2	2	2	2	-	1
Bikini	10	-	-	-	-	1	1
Ebon	741	2	2	2	2	-	-
Enewetak	715	2	2	2	2	3	1
Jabat	112	1	1	1	1	-	1
Jaluit	1,709	7	7	7	7	2	1
Kili	602	2	1	1	1	-	1
Kwajalein	9,311	1	3	3	3	2	2
Lae	319	1	1	1	1	-	1
Lib	115	1	1	1	1	-	-
Likiep	482	2	2	2	2	-	1
Majuro	19,664	2	3	3	3	2	1
Maloelap	796	5	5	5	5	2	2
Mejit	445	1	1	1	1	-	1
Mili	854	3	5	5	5	-	1
Namorik	814	1	1	1	1	-	1
Namu	801	3	4	4	4	-	1
Rongelap	-	-	-	-	-	-	2
Ujae	448	1	1	1	1	-	1
Ujelang	-	1	1	-	-	-	-
Utirik	409	1	1	1	1	-	1
Wotho	90	1	1	1	1	-	1
Wotje	646	3	3	3	3	1	1
Total	43,380	59	64	63	63	13	29

Note : \*No change since 1988

Source : - Ministry of Health  
 - Ministry of Education  
 - Office of Planning and Statistics

TABLE : 12.6  
NUMBER OF PERSONS CHARGED / FOUND GUILTY, BY TYPE OF OFFENSE, 1986 - 1990.

Type of Offense	1986		1987		1988		1989		1990	
	No of Persons charged	Found Guilty								
1. Accessory to Larceny	-	-	1	1	1	1	-	-	-	-
2. Assault and/or Battery	42	24	56	25	37	35	28	10	10	5
3. Attempted Murder	2	-	4	-	-	-	-	-	-	-
4. Attempted Rape	-	-	1	-	-	-	1	1	-	-
5. Affray	5	5	10	-	-	-	-	-	-	-
6. Burglary/Robbery/Larceny	10	7	15	9	20	20	23	12	22	16
7. Conspiracy to commit cheating	1	-	-	-	-	-	-	-	-	-
8. Cheating	3	2	5	-	-	-	-	-	-	-
9. Contempt of Court	2	2	-	-	-	-	-	-	-	-
10. Disturbing the Peace	3	1	2	1	5	5	7	5	-	-
11. Drunk and Disorderly Conduct	2	1	-	-	-	-	2	2	-	-
12. Drug Offenses	2	1	-	-	-	-	1	1	-	-
13. Embezzlement	16	11	13	2	1	1	1	1	2	2
14. Escape	10	2	6	5	1	1	2	2	3	3
15. Forgery	6	1	1	1	3	3	4	3	1	1
16. Illegal Possession or Unlawful Carrying of Fire Arms/Ammunition.	11	2	2	-	7	7	2	2	-	-
17. Illegal use of Firearms	3	1	2	2	3	3	3	2	-	-
18. Involuntary Manslaughter	3	3	1	1	1	1	1	1	2	2
19. Kidnapping	-	-	1	-	-	-	-	-	-	-
20. Littering	12	8	-	-	-	-	-	-	-	-
21. Mayhem	-	-	-	-	-	-	1	1	-	-
22. Misconduct in Public Office	6	5	5	3	-	-	1	1	-	-
23. Murder	2	1	2	1	1	1	1	1	1	1
24. Malicious Mischief	7	4	13	5	10	8	8	5	5	5
25. Obstructing Justice	7	3	8	7	-	-	-	-	-	-
26. Rape	1	-	2	1	-	-	2	2	1	1
27. Receiving Stolen Goods	-	-	2	-	-	-	-	-	-	-
28. Trespassing	1	-	1	1	2	2	-	-	-	-
29. Traffic Offenses	1414	740	897	762	582	554	405	384	237	223
30. Unlawful Issuance of Bank Checks	8	-	-	-	-	-	3	1	-	-
31. Grand larceny	-	-	-	-	-	-	-	-	9	9
32. Assault	-	-	-	-	-	-	-	-	1	1
33. Attempted cheating	-	-	-	-	-	-	-	-	1	1
34. Poss. of Marijuana	-	-	-	-	-	-	-	-	1	1
35. Attempted trans. of Marijuana	-	-	-	-	-	-	-	-	1	1
36. Assault & battery w/a dangerous weapon	-	-	-	-	-	-	-	-	1	1
37. Arson	-	-	-	-	-	-	-	-	2	2
38. Aggravated assault	-	-	-	-	-	-	-	-	5	5
39. Others	9	1	2	1	2	1	8	6	1	1
Total	1588	825	1052	828	676	643	504	443	315	290

Note : Under the column No. of Persons Charged, the figures also include those cases that have not yet been disposed

Source: Ministry of Justice, Office of the Clerk of the High Court of the Marshall Islands.

**TABLE : 12.7**  
**FRESH WATER COLLECTION AND CONSUMPTION BY MONTH (000'S GAL), MAJURO,**  
**1984 - 1991**

Month	Water Collection							
	1984	1985	1986	1987	1988	1989	1990	1991
January	17,000	9,070	18,461	11,476	12,515	17,106	22,630	18,842
February	14,920	8,180	3,594	13,226	3,276	17,088	10,130	10,981
March	760	26,250	25,265	5,901	18,539	8,617	22,778	53,058
April	5,040	22,900	33,661	2,226	6,636	13,461	19,045	48,278
May	1,665	15,515	23,880	11,916	11,197	19,921	30,325	24,157
June	14,390	16,302	21,866	25,239	19,489	14,354	24,982	43,318
July	15,680	12,986	19,032	23,946	19,987	25,293	33,307	33,286
August	8,370	19,960	13,547	11,803	22,382	17,749	33,287	31,767
September	13,180	10,522	19,912	18,521	27,611	19,178	10,419	41,349
October	22,120	19,495	9,556	13,080	25,834	28,573	21,828	29,875
November	14,425	22,547	10,756	23,410	8,705	18,793	34,963	23,038
December	14,590	20,087	28,218	10,072	17,560	14,575	14,590	18,595
Total	142,140	203,814	227,748	170,816	193,731	214,708	278,284	376,544

Month	Water Consumption							
	1984	1985	1986	1987	1988	1989	1990	1991
January	18,000	14,740	25,816	22,960	17,250	14,961	13,230	17,284
February	16,900	14,140	11,167	9,038	7,172	18,444	16,017	10,413
March	11,500	13,950	15,240	12,138	7,382	13,881	4,902	23,251
April	4,590	14,910	32,230	5,650	11,281	7,942	17,772	31,413
May	3,955	18,400	25,168	4,336	7,142	19,994	13,387	24,389
June	7,990	18,245	19,901	17,894	14,719	16,997	15,501	20,323
July	10,000	10,940	25,494	23,311	20,816	13,264	19,870	21,994
August	10,550	17,985	15,611	18,773	26,189	30,183	18,983	18,133
September	14,420	13,697	11,139	15,372	21,247	13,627	15,206	19,106
October	17,410	16,356	16,454	17,003	30,843	22,618	10,344	19,476
November	12,865	16,012	5,887	14,010	16,268	22,099	12,844	14,762
December	13,900	17,840	13,443	13,480	12,674	14,105	15,170	16,429
Total	142,080	187,215	217,550	173,965	192,983	208,115	173,226	236,973

Source: - Ministry of Public Works  
- Majuro Water and Sewer Company

TABLE : 12.8

FRESH WATER PRODUCTION AND CONSUMPTION, PUBLIC WATER SYSTEM, EBeye,  
FISCAL YEAR 1989 (i.e. Oct. '88 - Sept. '89), and Dec. '91 - Sept. '92, IN US GALLONS.

Month	1988/1989		1991/1992	
	Fresh Water Production	Fresh Water Consumption	Fresh Water Production	Fresh Water Consumption
October	3,612,230	4,670,000	...	...
November	4,277,516	4,425,000	...	...
December	4,824,180	4,650,000	3,788,465	3,560,000
January	4,977,080	4,620,000	4,353,501	4,216,000
February	4,449,764	3,920,000	3,764,560	3,650,000
March	4,947,875	4,340,000	4,177,087	4,080,000
April	4,767,925	4,395,000	3,172,379	3,115,000
May	4,822,134	4,650,000	4,269,185	4,300,000
June	4,443,695	4,515,000	5,119,060	5,106,000
July	5,013,858	4,320,000	3,549,226	3,670,000
August	4,675,478	4,975,000	5,535,162	5,506,000
September	5,004,855	5,570,000	4,630,205	4,705,000
Total	55,816,590	55,050,000	42,358,830	41,908,000

Note: Data for Oct., 1989 - Nov., 1991 are not available as records were lost during the typhoon Zelda in November, 1991.

Source: Office of the Public Works Director, Kwajalein Atoll Local Government.

TABLE 12.9  
CONSUMPTION AND COST OF FUEL AND LUBRICANTS MAJURO POWER PLANT - 1984 TO 1991

Months	Consumption of Fuel and Lubricants (US Gallon)							
	1984	1985	1986	1987	1988	1989	1990	1991
January	121,376	153,206	173,406	190,431	209,334	-	252,357	234,166
February	111,924	133,271	160,757	170,878	192,959	-	229,962	240,497
March	113,232	147,078	176,331	192,952	210,184	-	257,419	257,122
April	112,129	144,870	177,525	188,050	207,292	-	247,285	267,477
May	120,395	150,558	185,033	184,940	220,965	-	270,498	271,431
June	114,326	144,443	184,788	189,913	204,524	-	225,345	272,115
July	126,614	157,550	192,262	208,164	181,562	-	249,328	278,225
August	125,683	157,041	194,898	206,939	166,676	-	260,243	292,555
September	123,424	149,397	173,036	195,242	205,088	-	269,535	231,677
October	139,057	157,125	188,644	204,644	219,772	238,032	228,809	-
November	136,341	161,228	186,437	196,882	218,292	242,903	262,496	-
December	159,958	165,542	191,793	206,831	224,413	247,280	260,778	-
Total	1,504,459	1,821,309	2,184,910	2,335,866	2,461,061	...	3,014,055	...
Monthly Average	125,372	151,776	182,076	194,656	205,088	242,738	251,171	260,585

Months	Cost of Fuel and Lubricants (US \$\$)							
	1984	1985	1986	1987	1988	1989	1990	1991
January	94,673	118,823	143,185	150,769	143,734	-	169,717	216,343
February	87,301	93,217	133,107	105,051	117,057	-	151,738	268,336
March	88,321	103,841	144,813	113,116	124,752	-	160,289	277,355
April	87,461	105,419	147,808	104,139	123,936	-	170,925	292,081
May	93,908	105,420	154,237	103,259	132,235	-	186,350	303,439
June	89,174	101,452	152,638	111,907	121,641	-	156,163	303,144
July	98,759	110,412	159,424	123,942	111,299	-	173,188	310,312
August	98,033	111,913	160,740	122,452	106,467	-	180,987	327,918
September	96,271	107,903	145,038	115,830	127,545	-	186,213	260,428
October	108,464	113,797	140,435	122,270	141,472	159,264	166,778	-
November	106,346	115,076	113,284	116,817	138,463	161,851	223,173	-
December	124,767	120,124	109,693	123,136	141,935	166,278	237,742	-
Total	1,173,478	1,307,397	1,704,402	1,412,688	1,530,536	...	2,163,263	...
Monthly Average	98,073	99,048	141,929	114,720	126,073	164,065	181,231	260,335

Note: Figures for Jan - Sept, 1989 and Oct - Dec, 1991 are not available.

Source: Majuro Power Plant, Marshalls Energy Company.

TABLE: 12.10A  
POWER GENERATED, NUMBER OF ELECTRICITY CONSUMERS (BUSINESS AND DOMESTIC)  
AND REVENUE COLLECTED, MAJURO, 1987 - 1989.

Month	1987			1988			1989					
	Total MW/HRS Generated	Cost Cents/ KHW	No. of Consumers	Total Revenue Collected (\$'000)	Total MW/HRS Generated	Cost Cents/ KHW	No. of Consumers	Total Revenue Collected (\$'000)	Total MW/HRS Generated	Cost Cents/ KHW	No. of Consumers	Total Revenue Collected (\$'000)
January	2,826	5.33	1,541	103,392	3,008	4.77	1,686	46,193	3,267	4.44	1,901	150,776
February	2,513	4.18	1,552	71,319	2,959	3.95	1,693	152,024	2,865	4.56	1,926	251,803
March	2,860	3.95	1,558	70,778	3,272	3.81	1,639	163,658	3,154	4.45	1,939	138,414
April	2,761	3.77	1,570	88,121	3,178	3.90	1,642	151,566	3,060	4.64	1,944	155,789
May	2,933	3.52	1,578	81,890	3,326	3.98	1,643	143,487	3,262	4.59	1,967	275,019
June	2,983	3.75	1,603	49,021	3,156	3.85	1,649	120,102	3,151	4.79	1,999	195,031
July	3,148	3.93	1,617	109,628	3,284	3.39	1,674	150,646	3,231	4.69	2,002	183,563
August	3,176	3.85	1,625	102,472	3,205	3.32	1,700	210,317	3,287	4.70	2,023	184,345
September	3,063	3.78	1,636	76,369	3,173	4.03	1,731	209,386	3,271	4.71	2,042	219,708
October	3,200	3.82	1,642	113,267	3,151	4.49	1,754	214,110	3,410	4.67	2,056	209,256
November	3,076	3.80	1,657	81,919	3,183	4.35	1,771	149,623	3,406	4.75	2,061	323,217
December	3,178	3.87	1,671	890,368	3,177	4.47	1,860	221,220	3,547	4.69	2,073	186,487
<b>TOTAL</b>	<b>35,717</b>			<b>1,838,544</b>	<b>38,072</b>			<b>1,932,332</b>	<b>38,911</b>			<b>2,473,408</b>

Source: Marshalls Energy Company, Majuro, RMI.

TABLE: 12.10B  
POWER GENERATED, NUMBER OF ELECTRICITY CONSUMERS (BUSINESS AND DOMESTIC)  
AND REVENUE COLLECTED, MAJURO - 1990 and 1991

Month	1990				1991				Total Revenue Collected (\$'000)
	Total MW/HRS Generated	Cost Cents/ KHW	No. of Consumer	Total Revenue Collected (\$'000)	Total MW/HRS Generated	Cost Cents/ KHW	No. of Consumer		
January	3,537	4.80	2,072	228,338	3,644	5.90	2,290	347,173	
February	3,179	4.71	2,077	215,741	3,397	7.90	2,315	189,786	
March	4,201	3.82	2,107	234,164	3,622	7.90	2,337	273,751	
April	3,473	4.92	2,119	276,773	3,673	7.90	2,350	255,105	
May	3,571	5.21	2,136	271,849	3,870	7.80	2,297	292,810	
June	3,427	4.56	2,150	215,856	3,810	7.96	2,347	383,204	
July	3,587	4.83	2,146	287,570	3,991	7.80	2,363	263,920	
August	3,596	5.03	2,171	291,512	4,019	8.16	2,389	326,770	
September	3,408	5.46	2,200	246,282	3,936	6.62	2,407	340,677	
October	3,630	5.59	2,217	289,036	4,037	-	-	-	
November	3,577	6.24	2,244	271,508	3,809	-	-	-	
December	3,726	6.38	2,261	238,459	3,951	-	-	-	
<b>TOTAL</b>	<b>42,912</b>			<b>3,067,088</b>	<b>45,759</b>			<b>2,673,196</b>	

Source: Marshalls Energy Company, Majuro, RMI.

TABLE : 12.11  
POWER GENERATED, POWER DISTRIBUTED AND DIESEL CONSUMPTION OF  
THE EBEEYE POWER PLANT, FISICAL YEAR 1989 - 1991, BY MONTH.

Month	1988/1989			1989/1990			1990/1991		
	Total MW/HRS Generated	Total MW/HRS Distributed	Diesel Consumption (Gallons)	Total MW/HRS Generated	Total MW/HRS Distributed	Diesel Consumption (Gallons)	Total MW/HRS Generated	Total MW/HRS Distributed	Diesel Consumption (Gallons)
October	1,430.4	1,252.8	104,056	1,497.6	1,382.4	114,788	1,678.6	1,488.0	125,921.0
November	1,425.6	1,243.2	103,400	1,332.4	1,232.6	142,356	1,634.0	1,488.8	125,323.0
December	1,468.8	1,276.8	106,220	1,560.0	1,377.6	112,888	1,703.6	1,512.0	127,187.0
January	1,459.2	1,281.6	106,222	1,564.8	1,324.8	109,906	1,704.1	1,607.2	127,888.0
February	1,291.2	1,152.0	95,228	1,372.8	1,224.0	101,838	1,635.1	1,392.0	121,624.0
March	1,488.0	1,310.4	109,177	1,578.3	1,248.8	110,451	1,719.9	1,521.6	139,756.0
April	1,449.6	1,272.0	104,770	1,460.4	1,377.6	115,017	1,648.3	1,464.0	128,435.0
May	1,483.2	1,324.8	107,827	1,535.7	1,430.4	124,712	1,777.3	1,598.4	134,619.0
June	1,411.2	1,243.2	100,859	1,642.0	1,382.4	121,685	1,688.5	1,516.8	136,133.0
July	1,488.0	1,324.8	108,213	1,598.7	1,420.8	124,178	1,807.5	1,612.8	137,204.0
August	1,516.8	1,334.4	109,597	1,653.0	1,473.6	127,263	1,853.8	1,680.0	139,825.0
September	1,473.6	1,296.0	106,379	1,575.5	1,396.8	119,062	1,800.7	1,622.4	136,970.0
Total	17,385.6	15,312.0	1,261,948.0	18,371.2	16,271.8	1,424,144.0	20,651.4	18,504.0	1,580,885.0

Source: -Office of the Public Works Director, Kwajalein Atoll Local Government  
-International Bridge and Construction, Ebeye Field Office

TABLE : 12.12  
ENERGY CAPACITY FROM PHOTOVOLTAICS BY ATOLL / ISLANDS, 1989 - 1991

Atoll/Island	1989			1990			1991		
	No. of Unit	Total Capacity Per Hour (in Watts)	Total Capacity In 1989 (in KWH)	No. of Unit	Total Capacity Per Hour (in Watts)	Total Capacity In 1989 (in KWH)	No. of Unit	Total Capacity Per Hour (in Watts)	Total Capacity In 1989 (in KWH)
1. Ailinglaplap	2	540	197	3	810	295	3	810	295
2. Ailuk	1	270	99	1	27	99	19	5,130	1,872
3. Arno	3	810	296	4	1,080	394	4	1,080	394
4. Aur	1	270	99	1	27	99	1	270	99
5. Bikini	-	-	-	-	-	-	-	-	-
6. Ebon	2	540	197	4	1,080	394	6	1,620	591
7. Enewetak	-	-	-	-	-	-	-	-	-
8. Jabat	5	1,350	493	5	1,350	493	5	1,350	493
9. Jaluit	2	540	197	2	540	197	2	540	197
10. Kili	-	-	-	-	-	-	-	-	-
11. Kwajalein	2	540	197	2	540	197	2	540	197
12. Lae	18	4,860	1,774	18	4,860	1,774	18	4,860	1,774
13. Lib	1	270	99	1	270	99	1	270	99
14. Likiep	1	270	99	1	270	99	1	270	99
15. Majuro	10	2,700	986	16	4,320	1,577	18	4,860	1,774
16. Maloelap	3	810	296	3	810	296	3	810	296
17. Mejit	2	540	197	2	540	196	2	540	197
18. Mili	2	540	197	2	540	196	2	540	197
19. Namorik	2	540	197	2	540	196	2	540	197
20. Namu	2	540	197	4	1,080	394	4	1,080	394
21. Ujae	2	540	197	2	540	197	2	540	197
22. Utirik	3	72,540	26,477	3	72,540	26,477	3	72,540	26,477
23. Wotho	2	540	197	2	540	197	2	540	197
24. Wotje	2	540	197	2	540	197	2	540	197
Marshall Islands	68	90,090	32,883	80	92,844	34,063	102	99,270	36,233

Note : Power capacity estimated at 9 hours per day per set.

Source : Office of the Chief Secretary, Energy Office.

## CONVERSION FACTORS

### Length

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	=	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)

### Weights

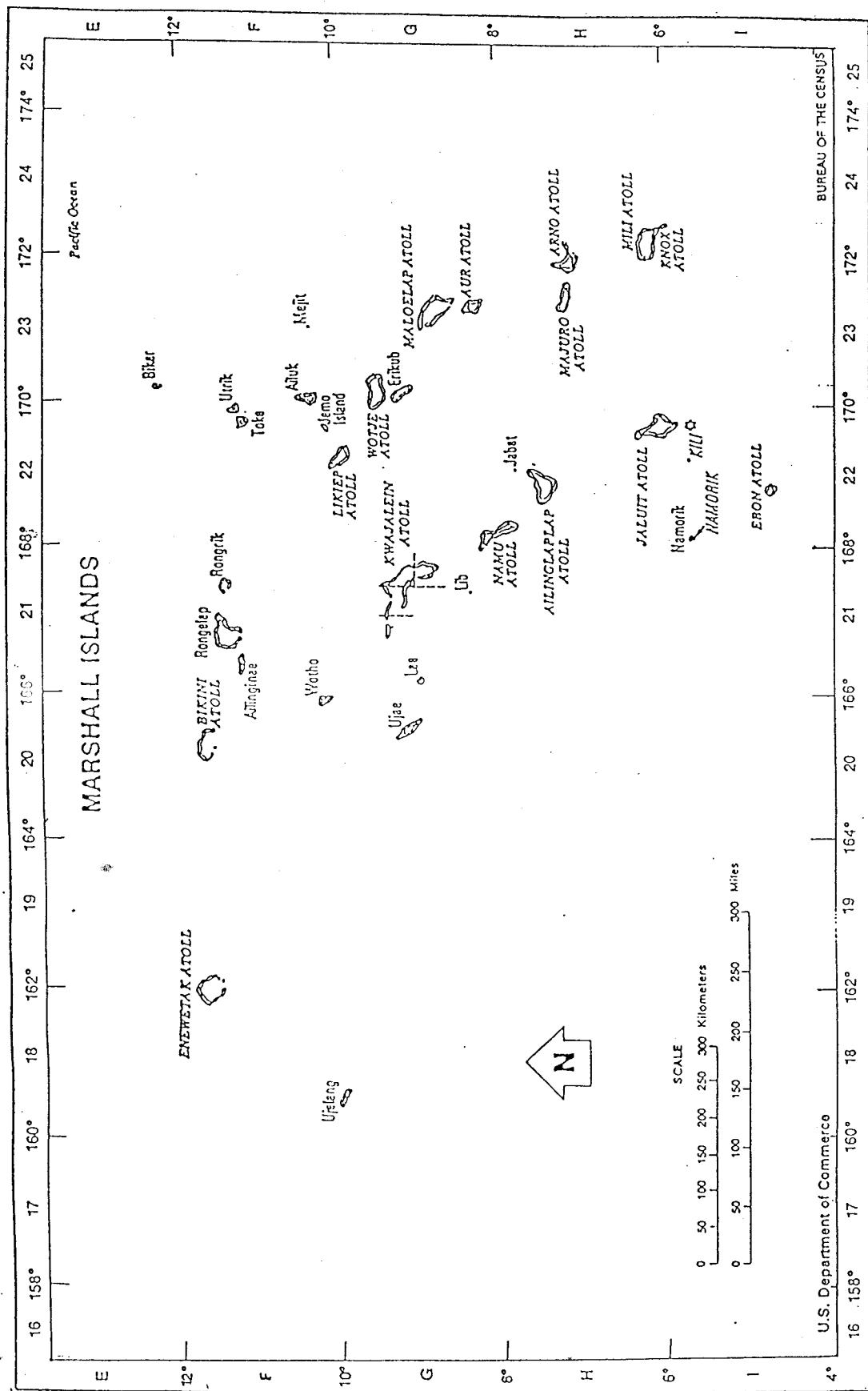
1 Lbs.	=	0.4536 Kilogram
1 Short ton	=	2,000 lbs. = 907.2 Kilograms
1 Long ton	=	2,240 lbs. = 1,016.1 Kilograms
1 Metric ton	=	1.1023 Short tons = 1,000 Kilograms

### Power

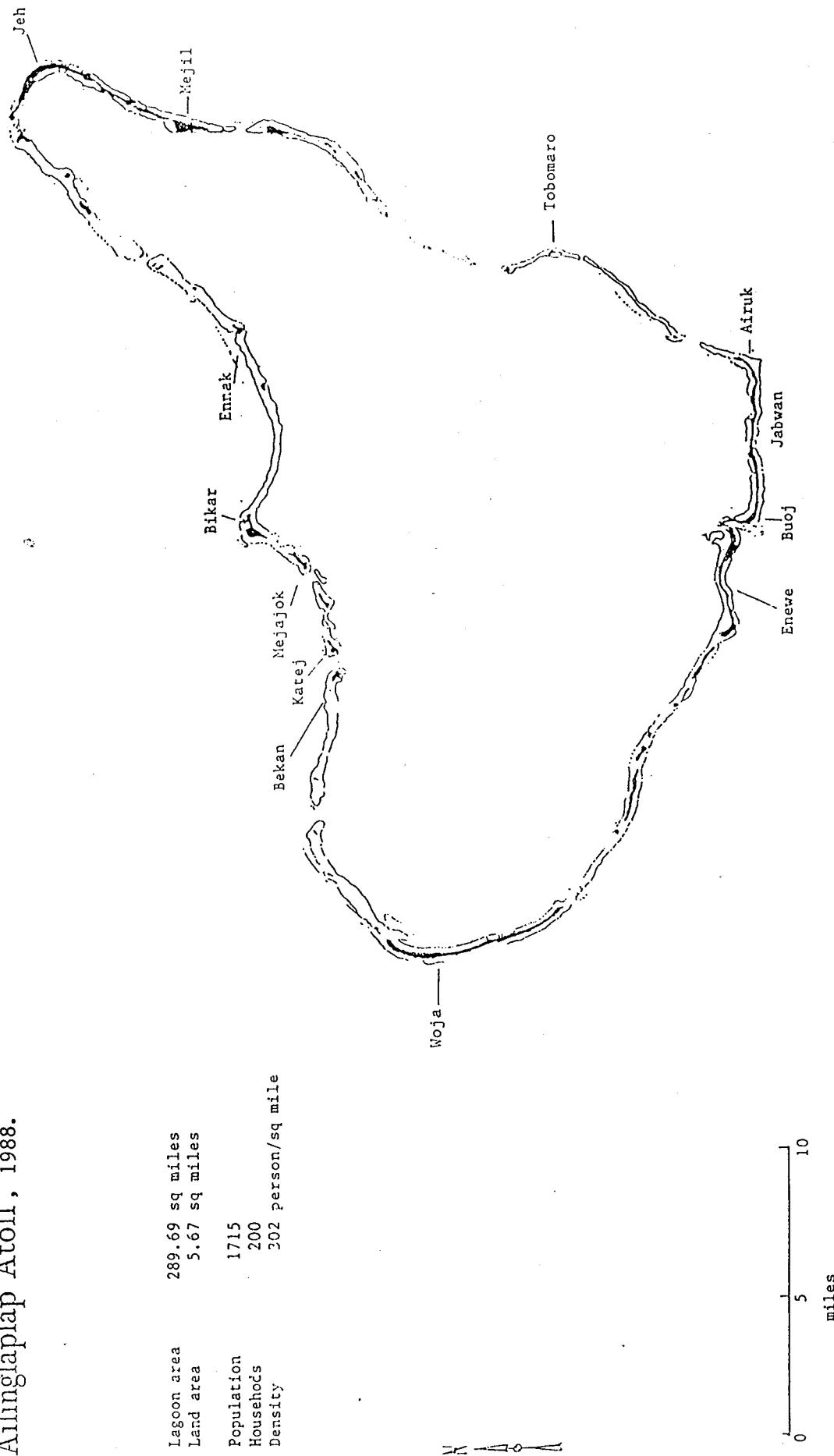
1 Horsepower	=	0.7457 Kilowatts
1 Megawatt	=	1,000 Kilowatts

### Temperature

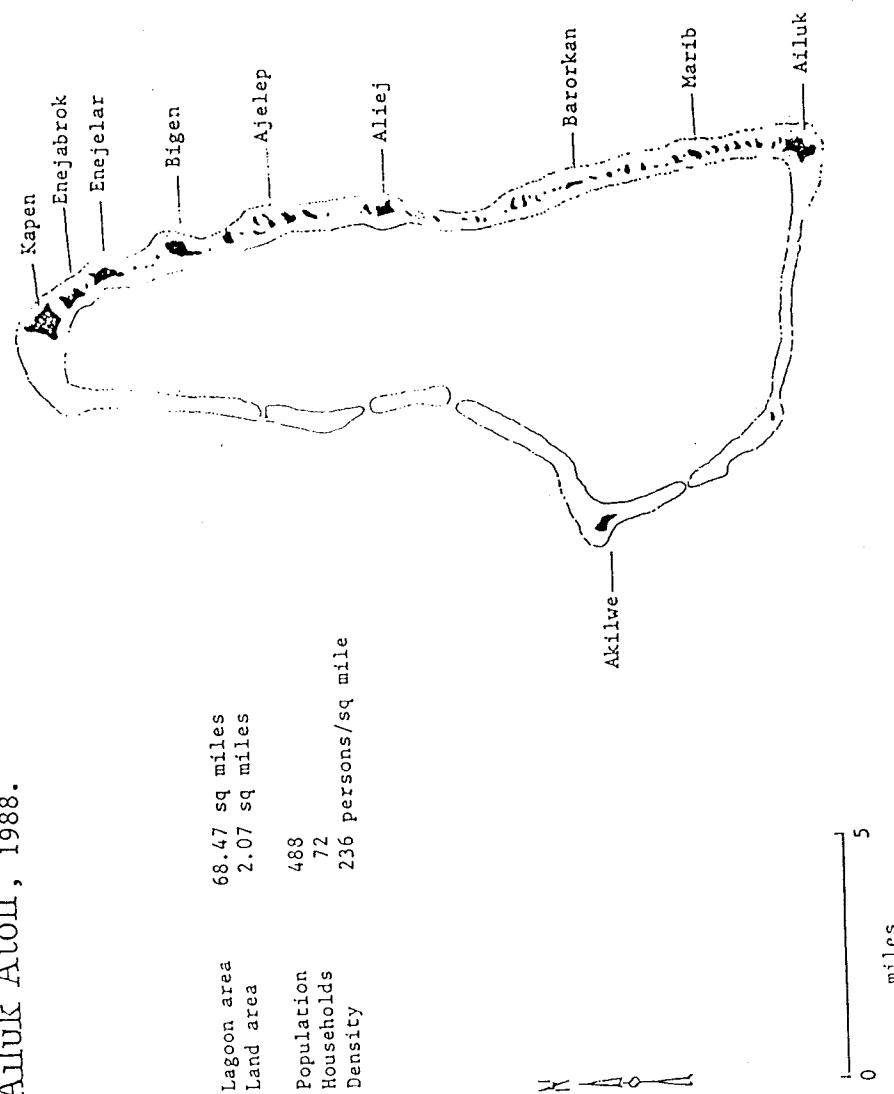
Degrees Celcius (C)	=	$\frac{5(F-32)}{9}$
Degrees Fahrenheit (F)	=	$\frac{9+C+32}{5}$



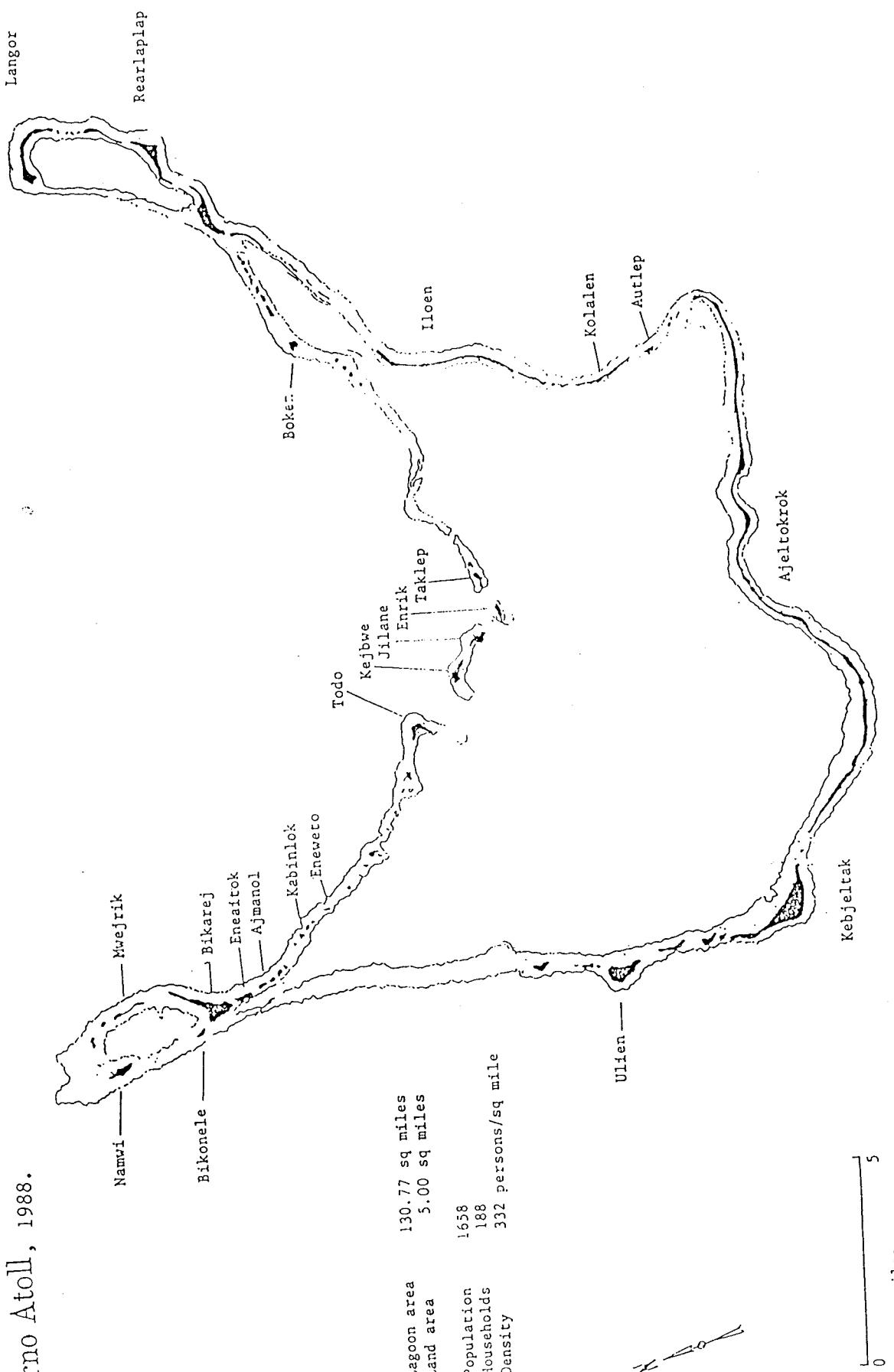
Ailinglaplap Atoll, 1988.



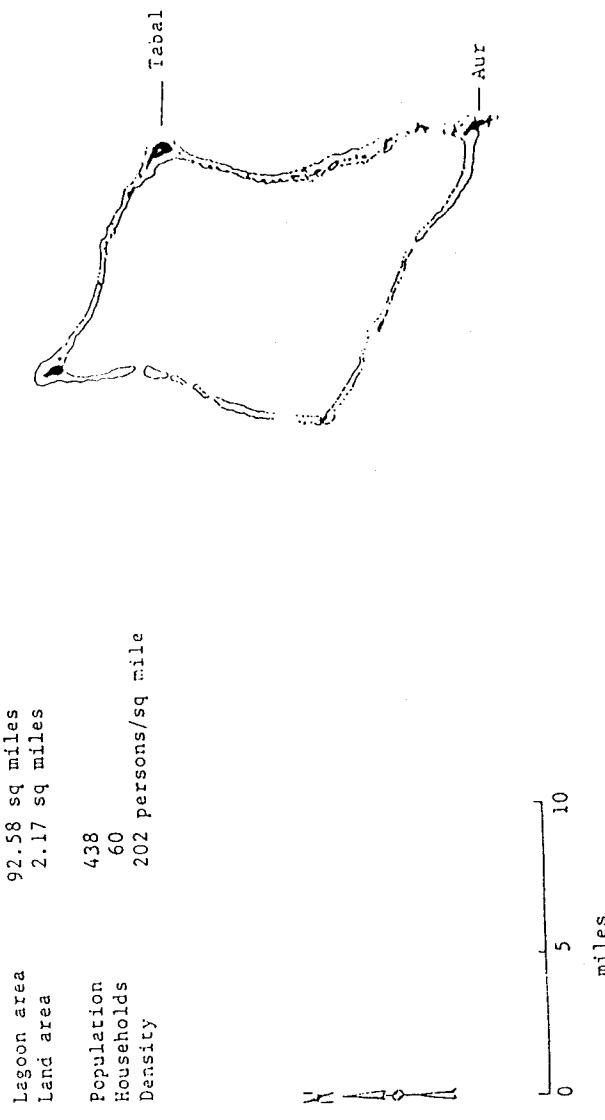
Ailuk Atoll, 1988.



Arno Atoll, 1988.

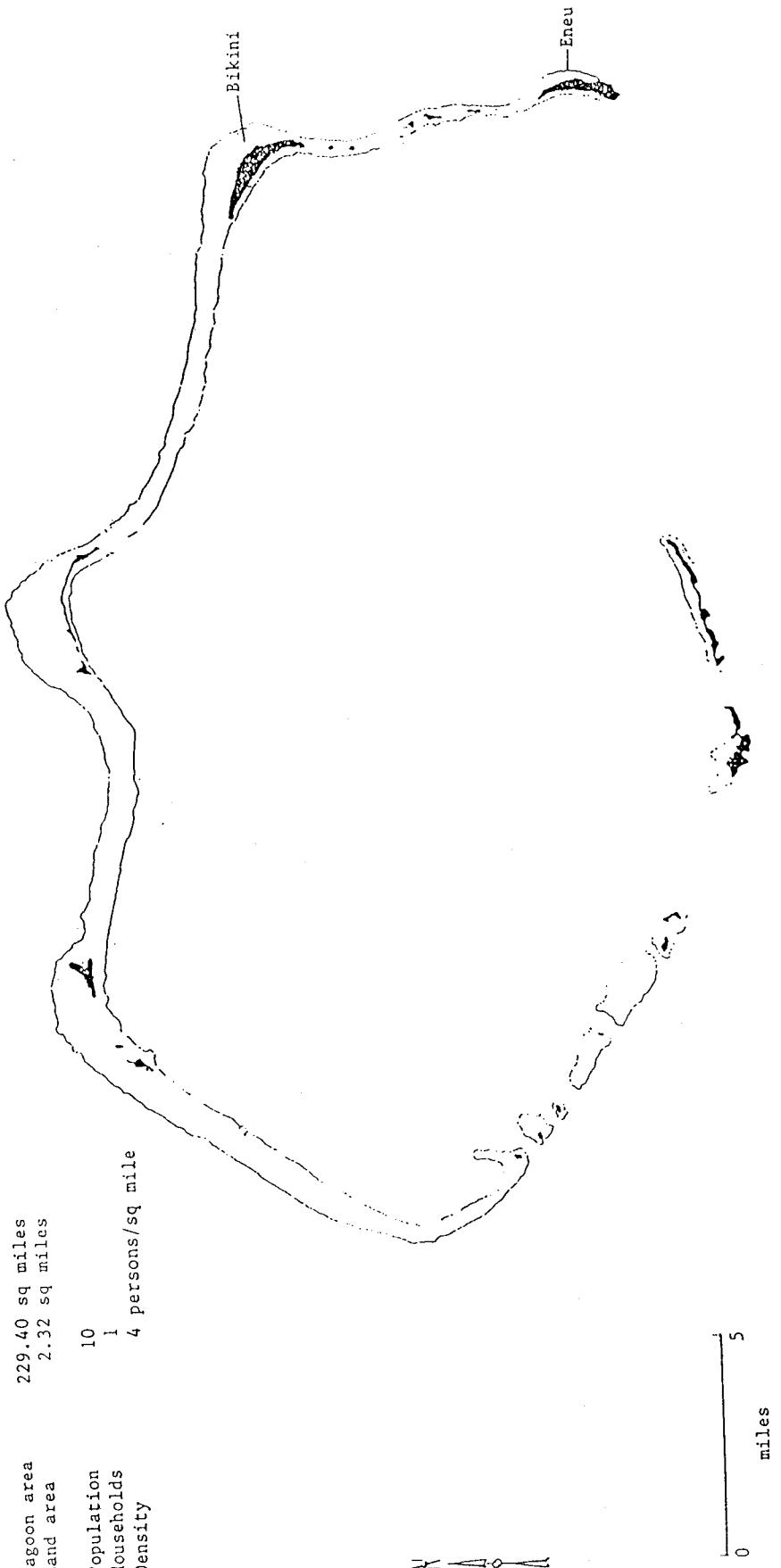


Aur Atoll, 1988.

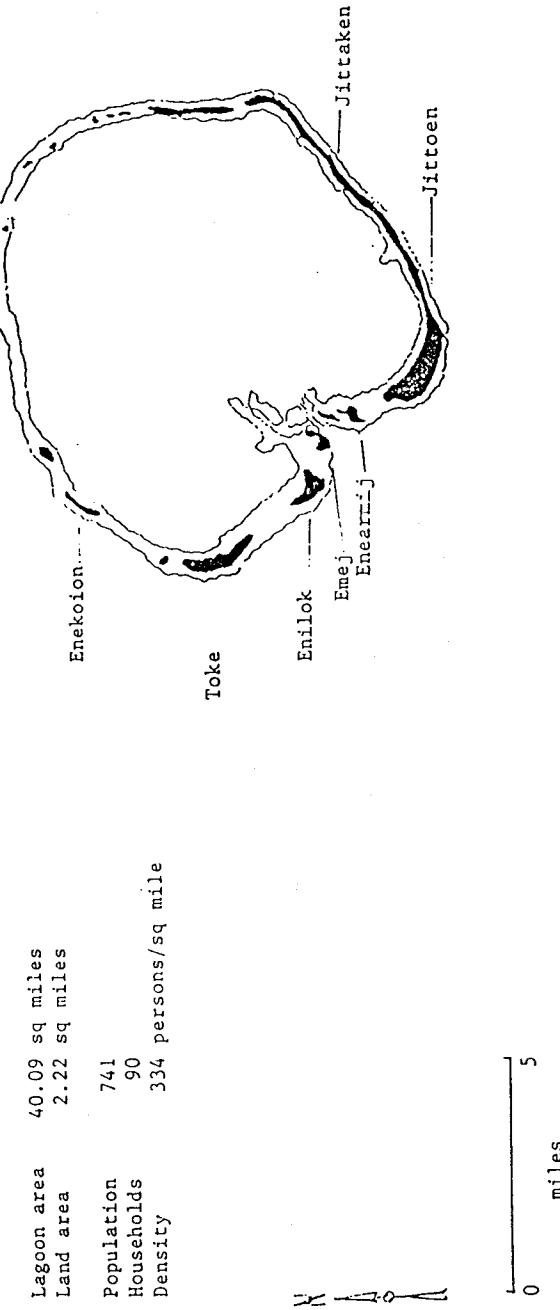


Bikini Atoll, 1988.

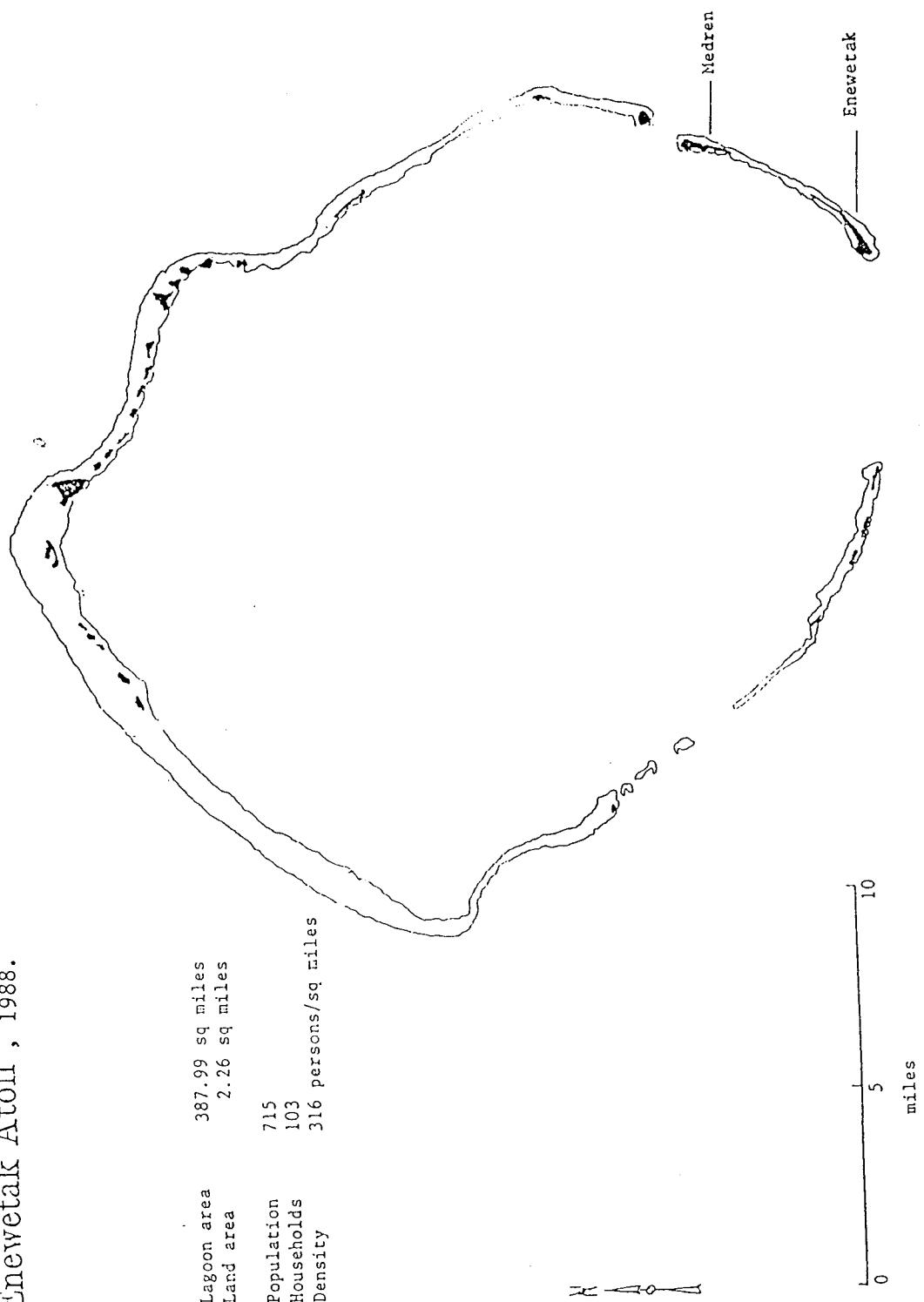
Lagoon area	229.40 sq miles
Land area	2.32 sq miles
Population	10
Households	1
Density	4 persons/sq mile



Ebon Atoll, 1988.

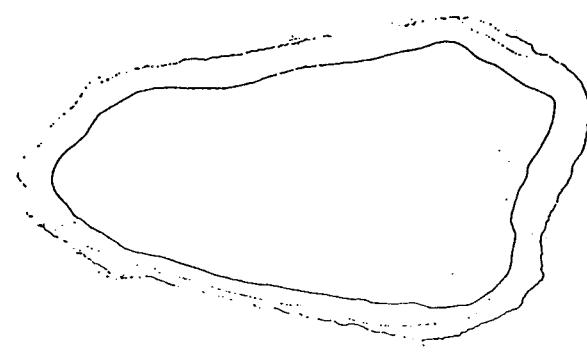


Enewetak Atoll , 1988.

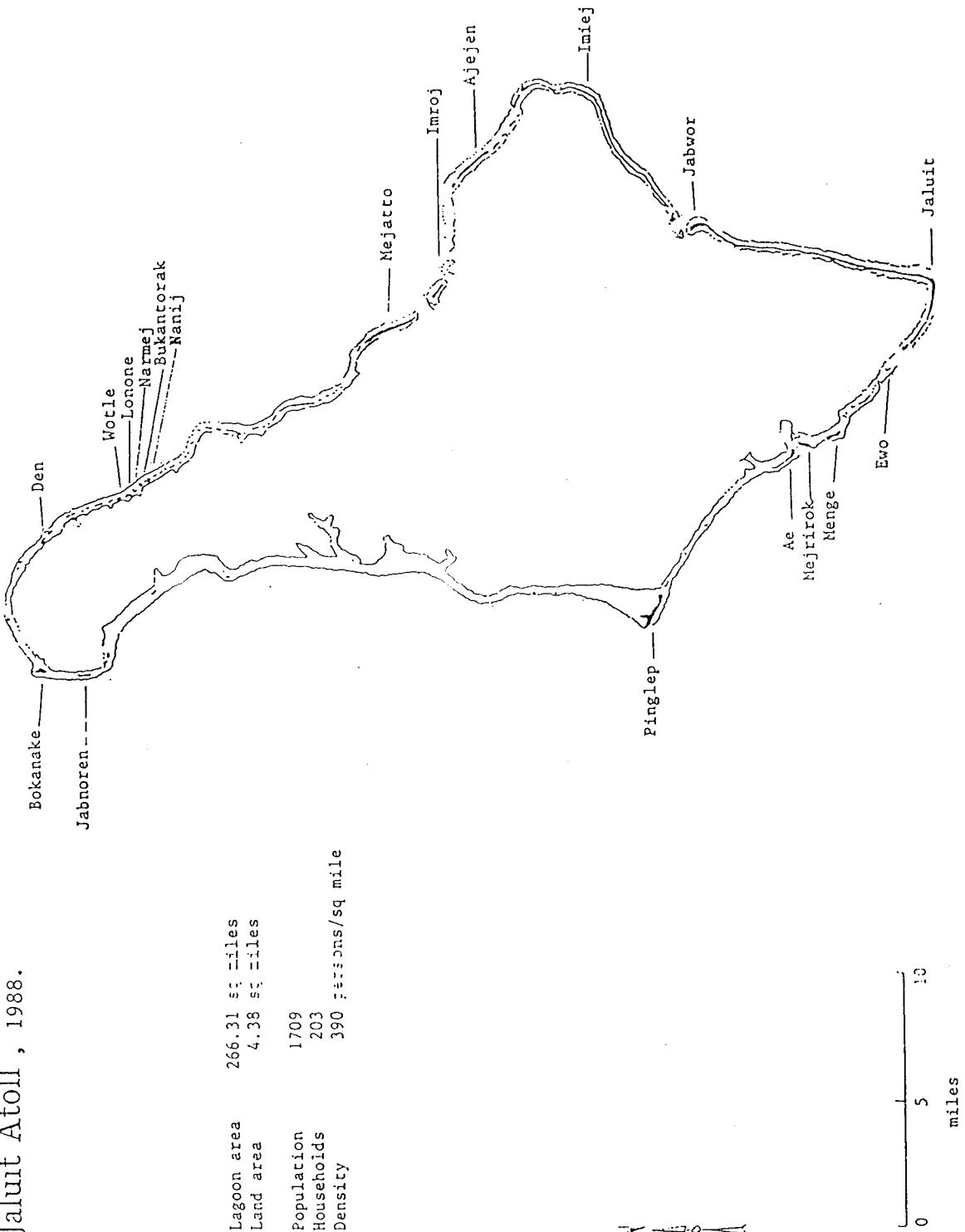


Jabat Island, 1988.

Lagoon area	0.22 sq miles
Land area	
Population	112
Households	17
Density	509 persons/sq mile

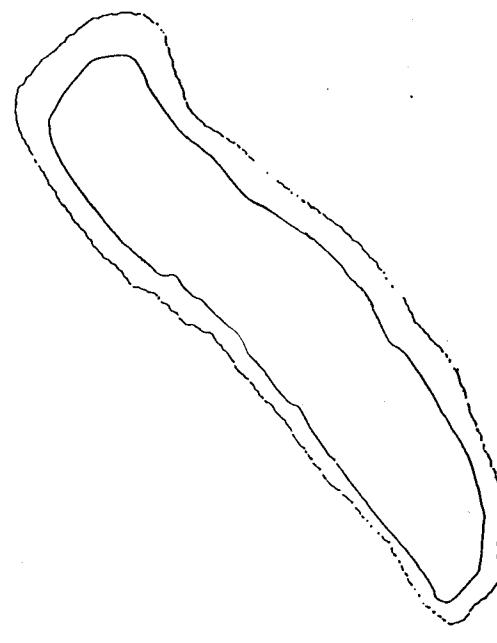


Jaluit Atoll, 1988.



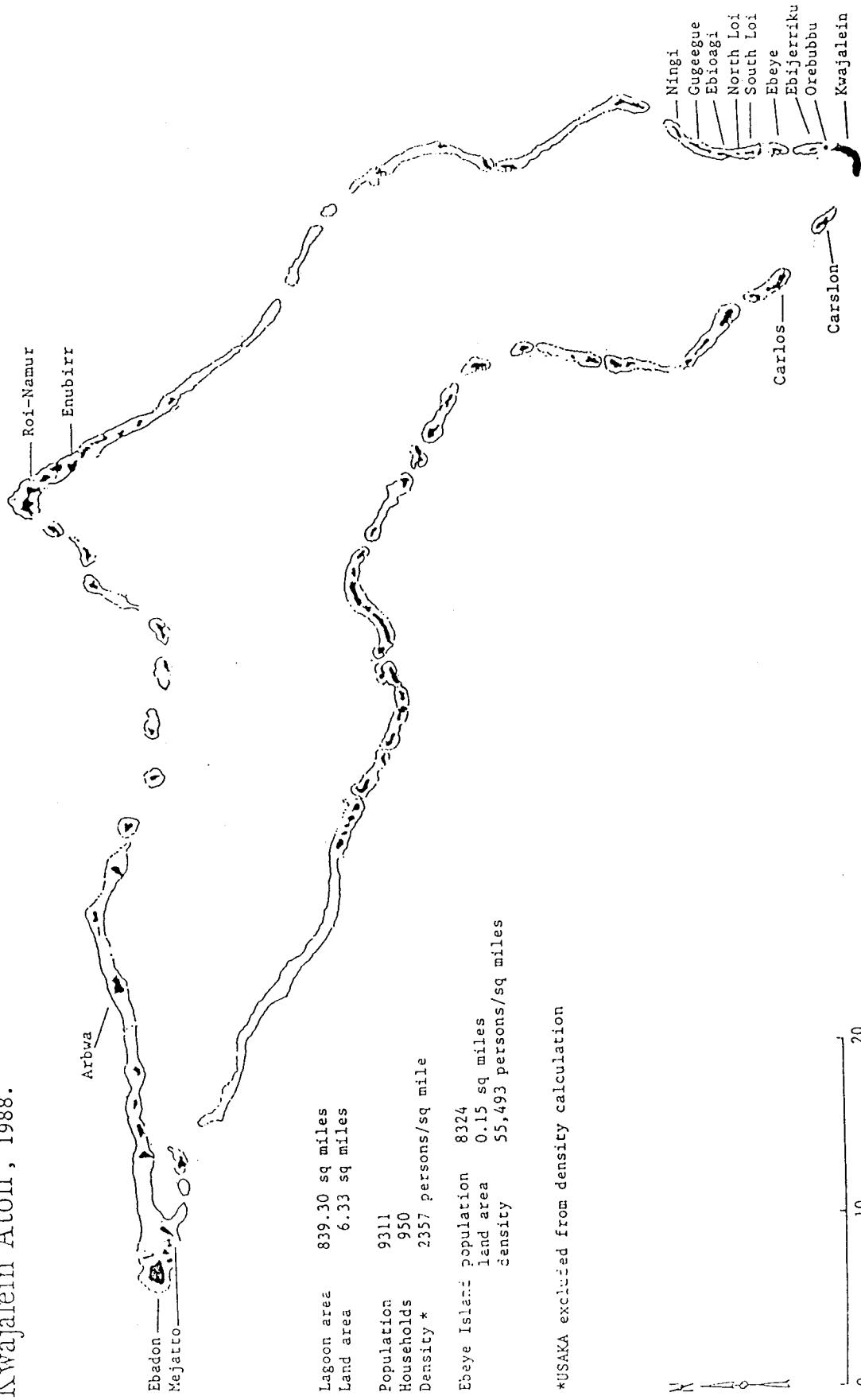
Kili Island, 1988.

Lagoon area	0.36 sq miles
Land area	
Population	602
Households	81
Density	1672 persons/sq mile



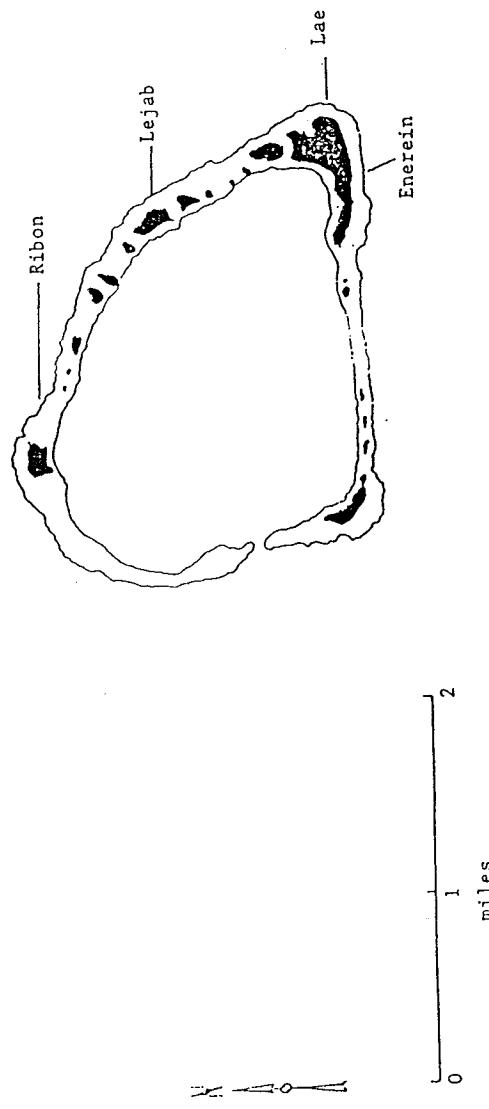
W 170 E

Kwajalein Atoll, 1988.



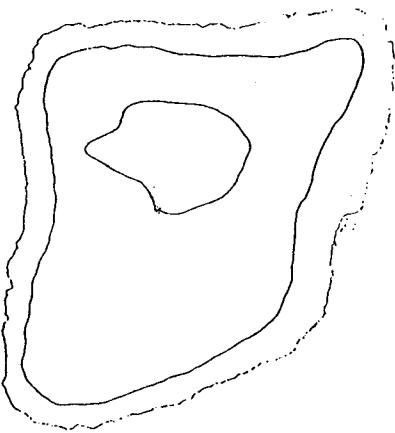
Lae Atoll , 1988.

Lagoon area	6.82 sq miles
Land area	0.56 sq miles
Population	319
Households	25
Density	570 persons/sq mile



Lib Island, 1988.

Lagoon area	-
Land area	0.36 sq miles
Population	115
Households	16
Density	319 Persons/sq mile



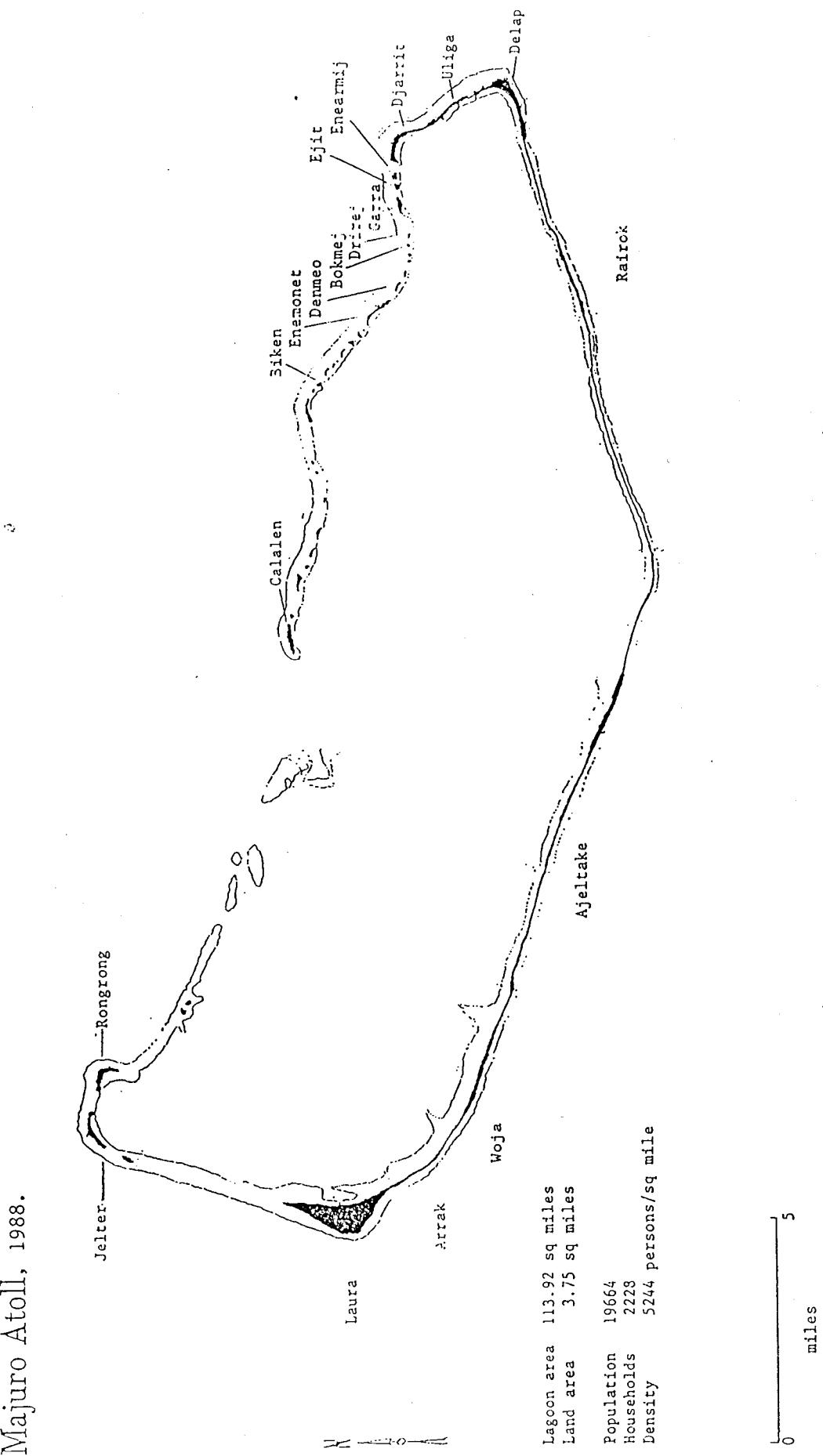
X - - - - -

Likiep Atoll, 1988.

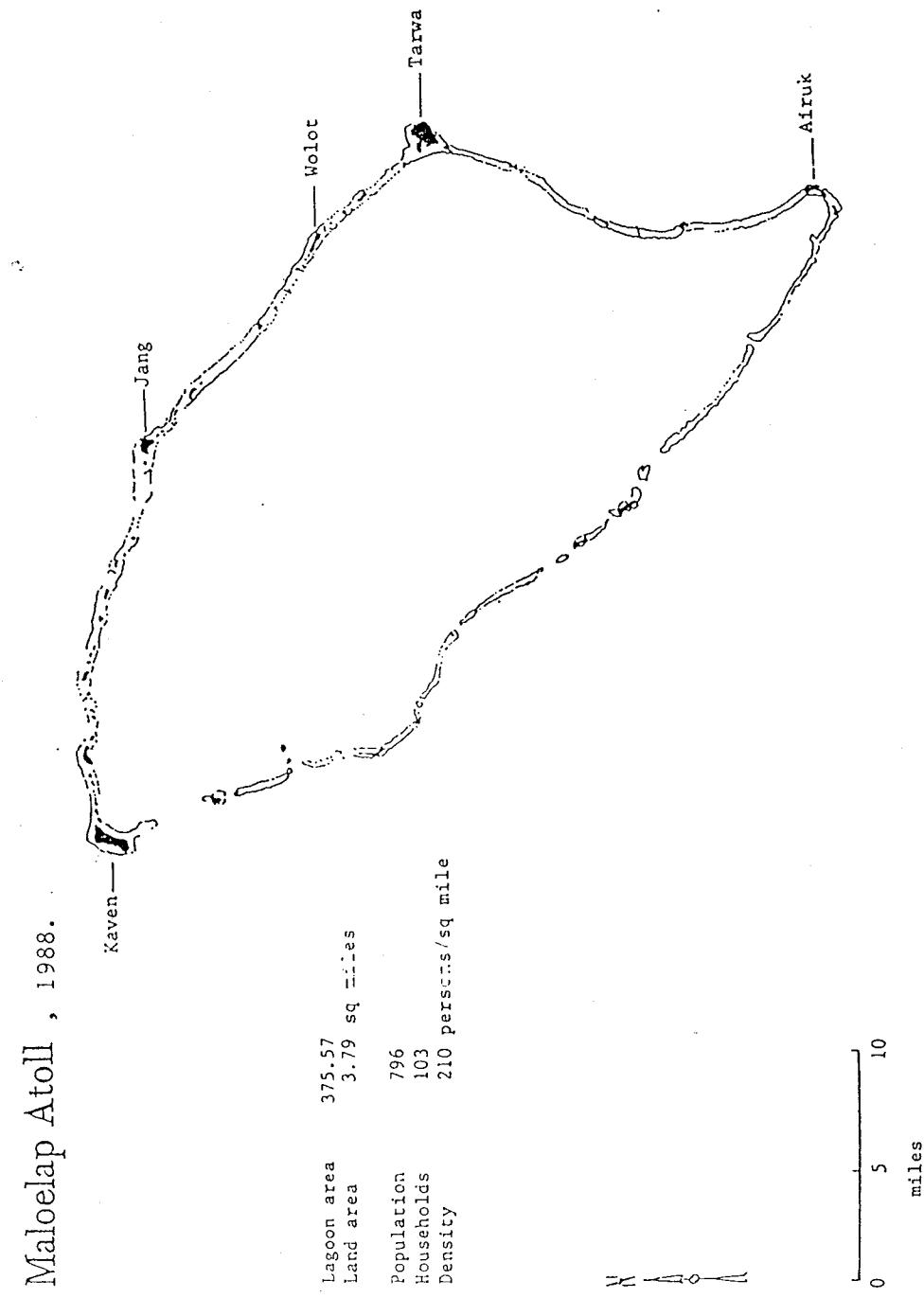


Lagoon area	163.71 sq miles
Land area	3.96 sq miles
Population	482
Households	71
Density	122 persons/sq mile

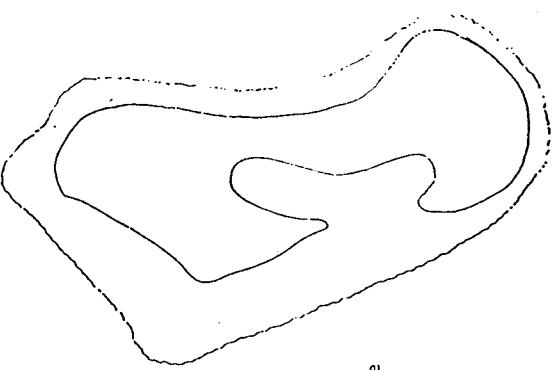
Majuro Atoll, 1988.



Maloelap Atoll , 1988.

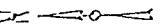


0  
miles

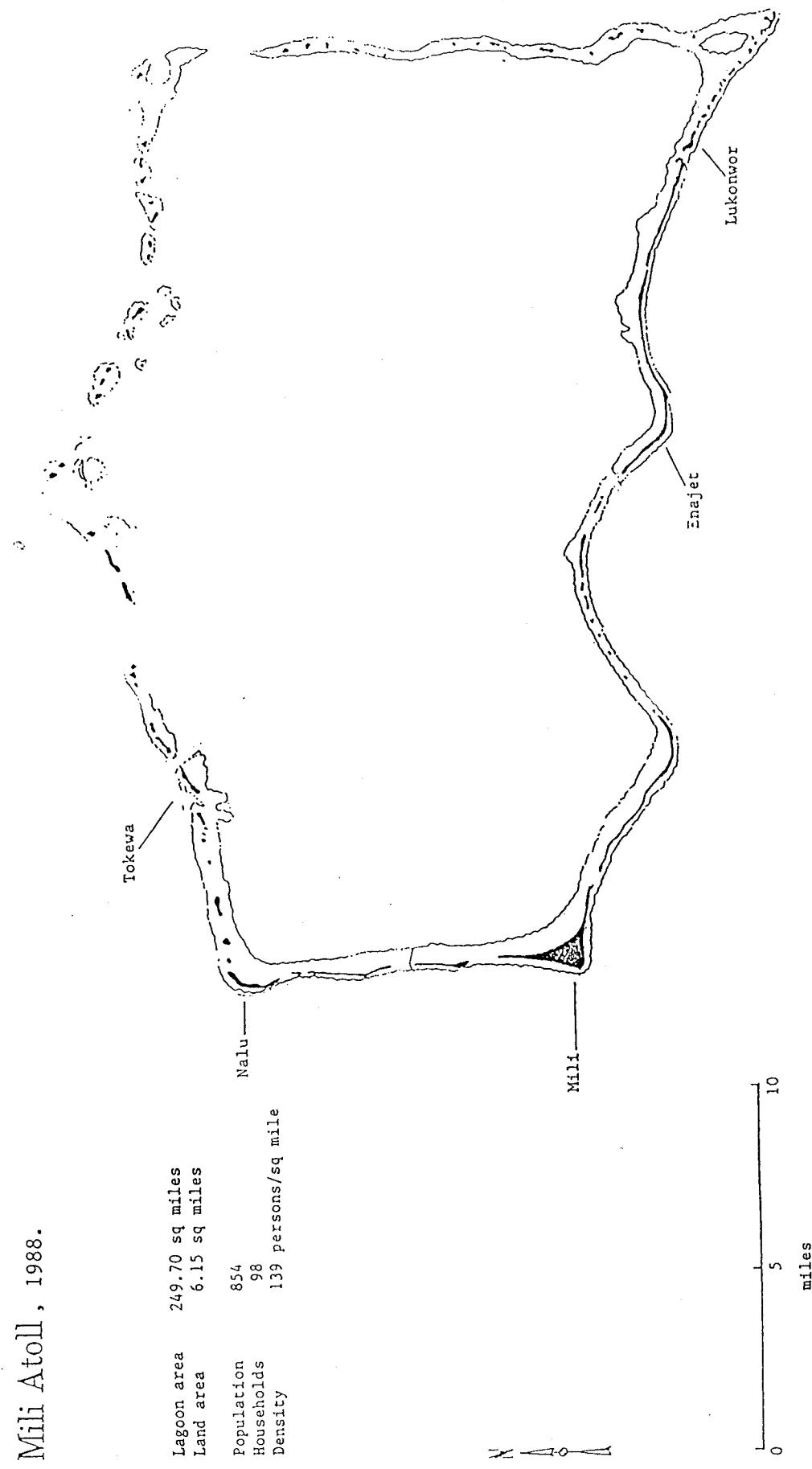


McJit Island, 1988.

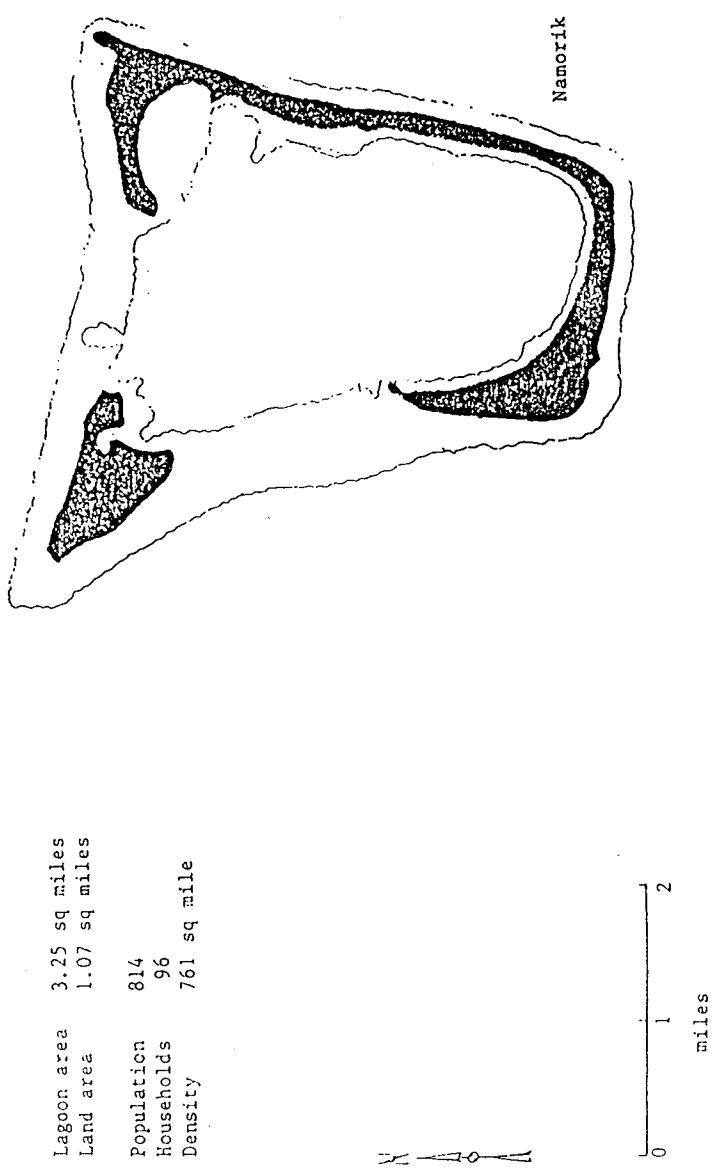
Lagoon area	-
Land area	0.72
Population	445
Households	48
Density	618 persons/sq mile



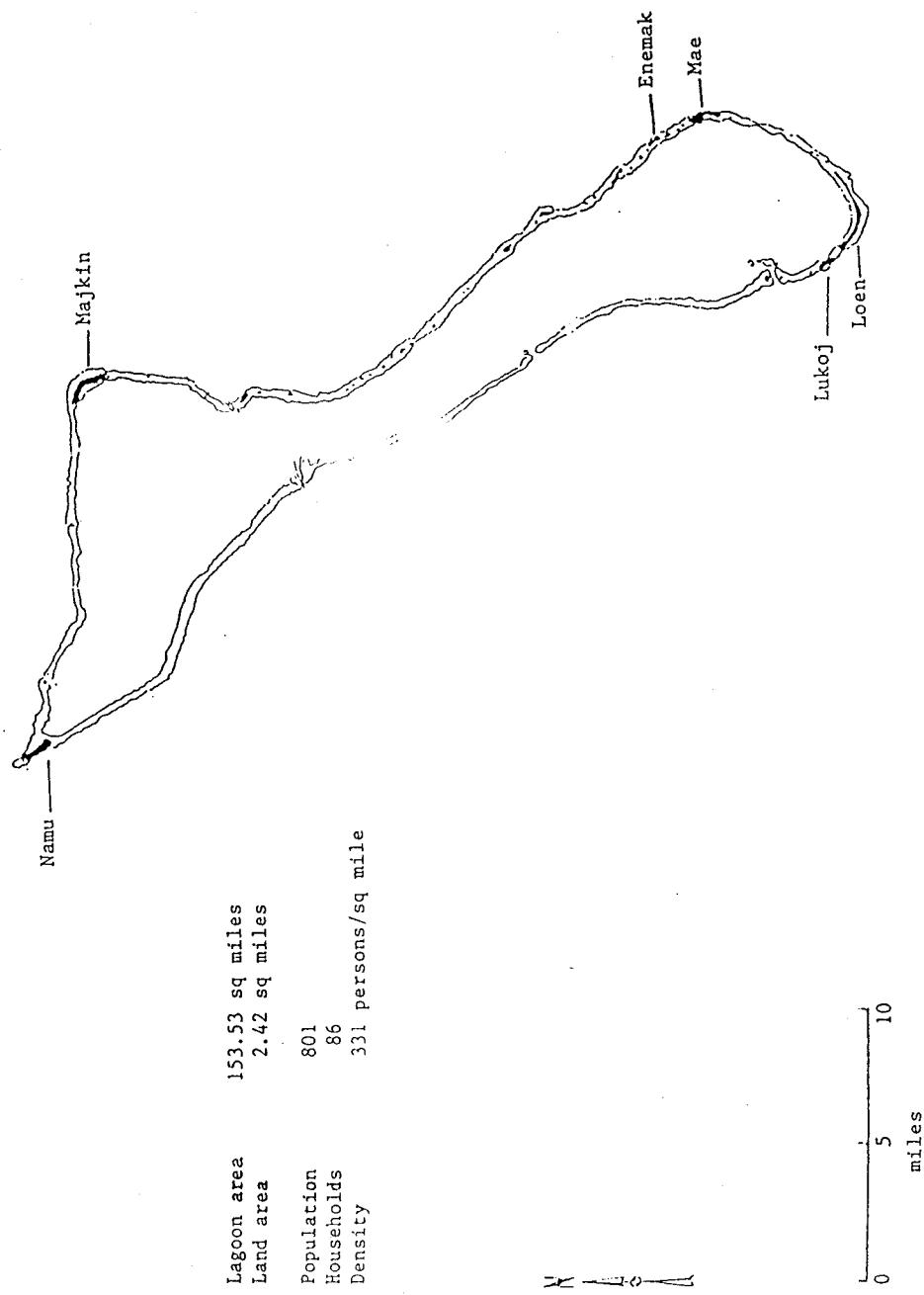
Mili Atoll, 1988.



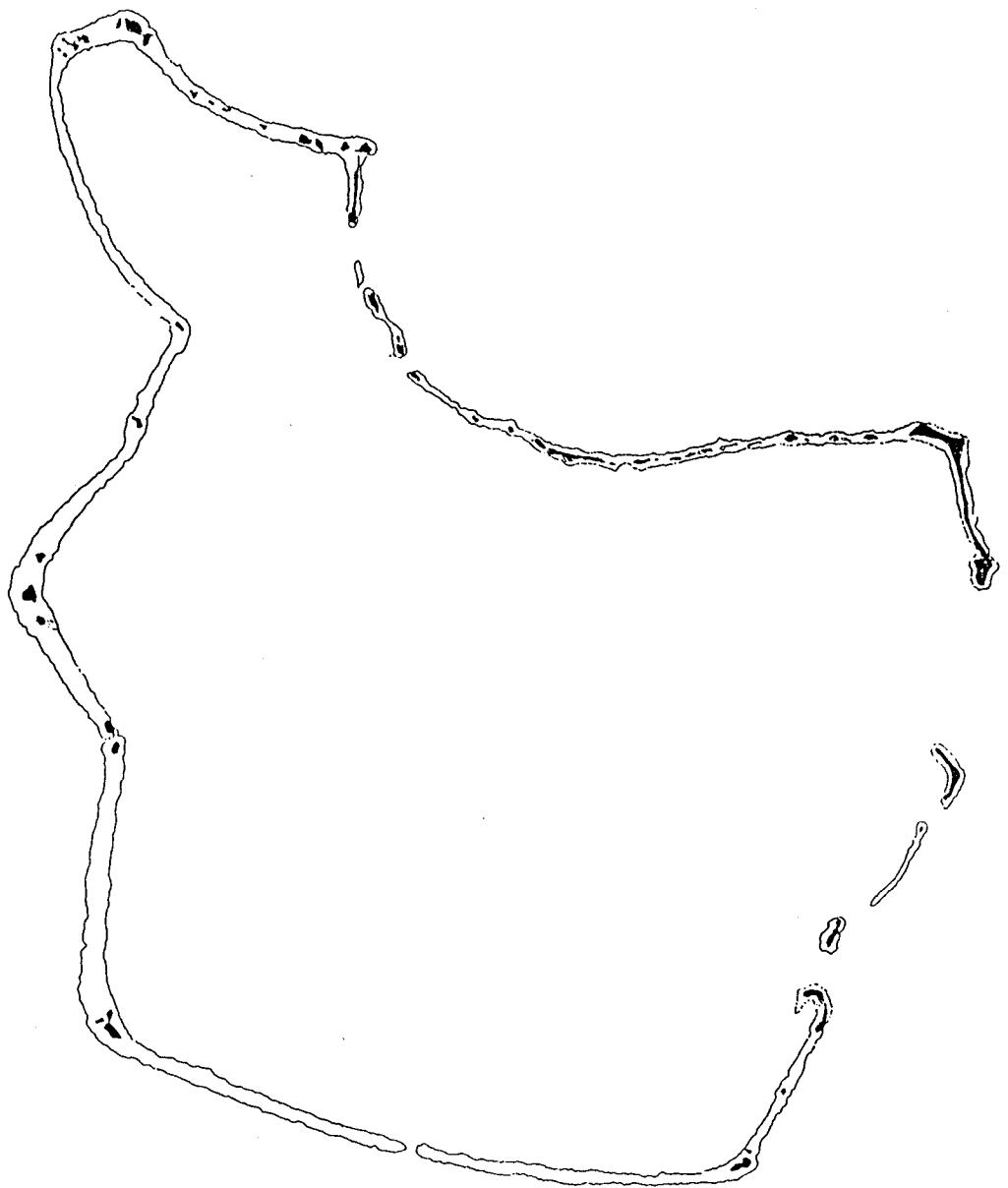
Namorik Atoll , 1988.



Namu Atoll, 1988.



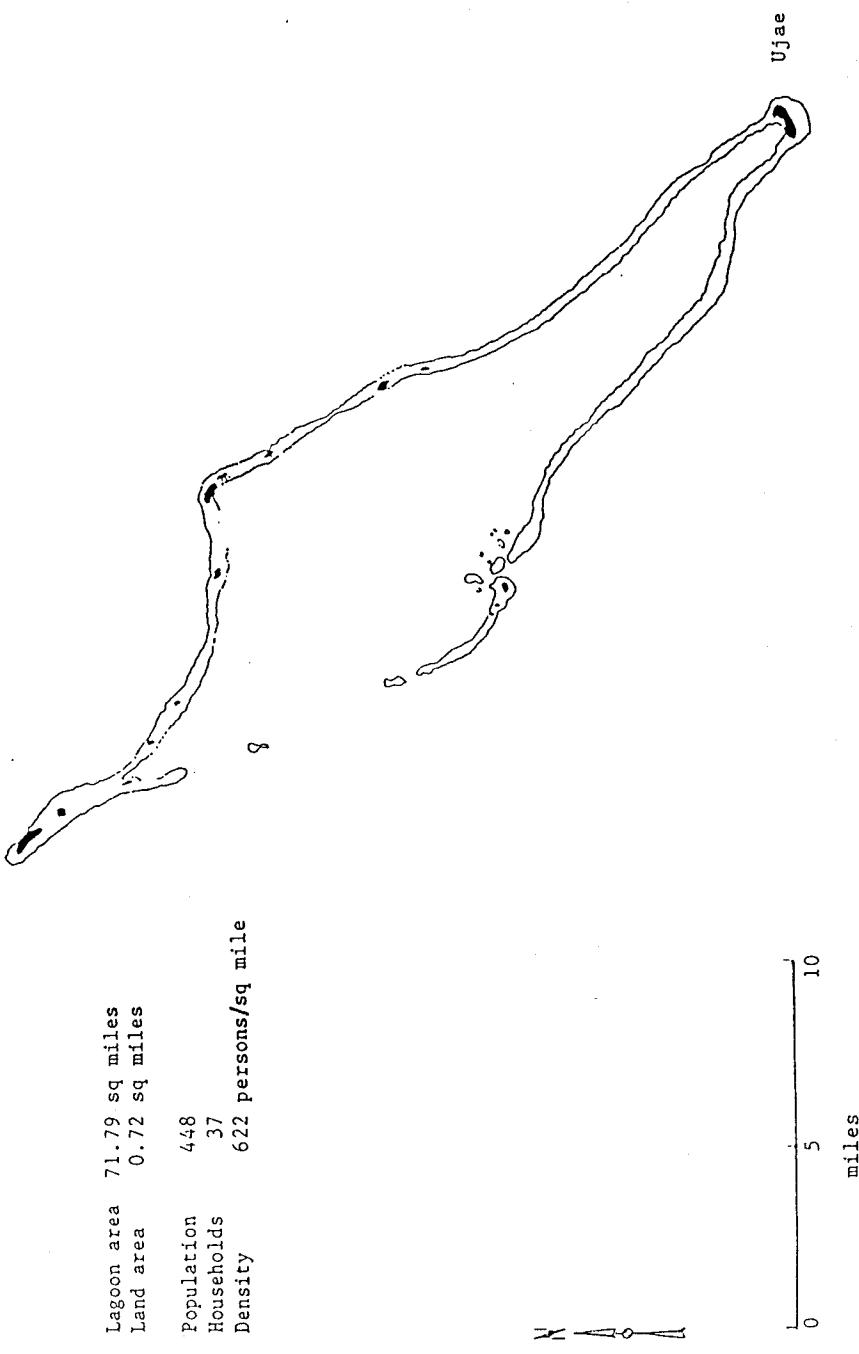
Rongelap Atoll, 1988.



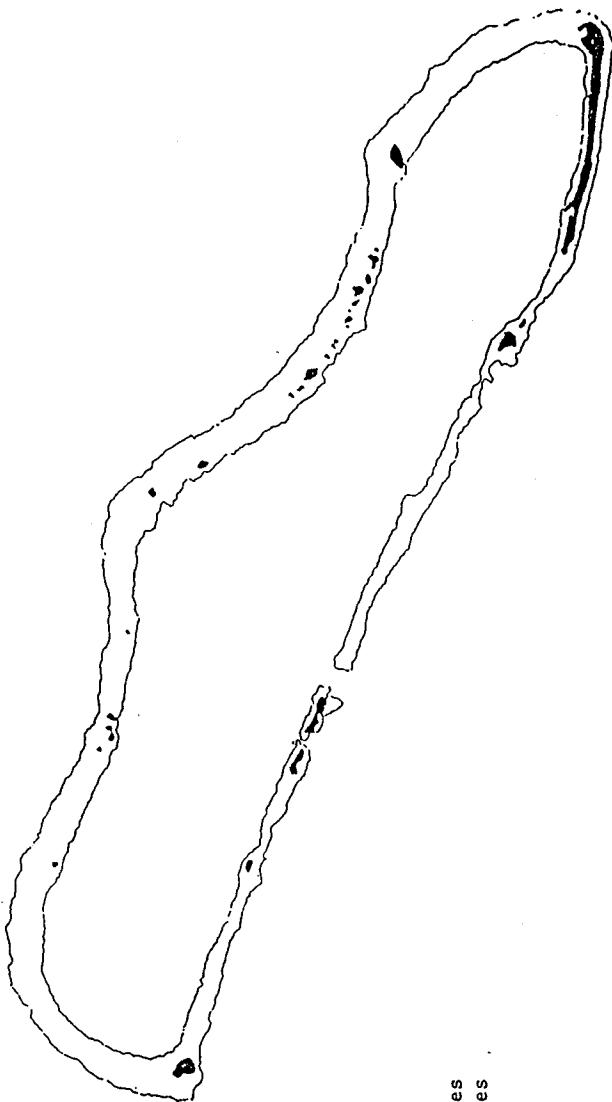
Lagoon area      387.77 sq miles  
Land area        3.07 sq miles



Ujae Atoll, 1988.



Ujelang Atoll, 1988.

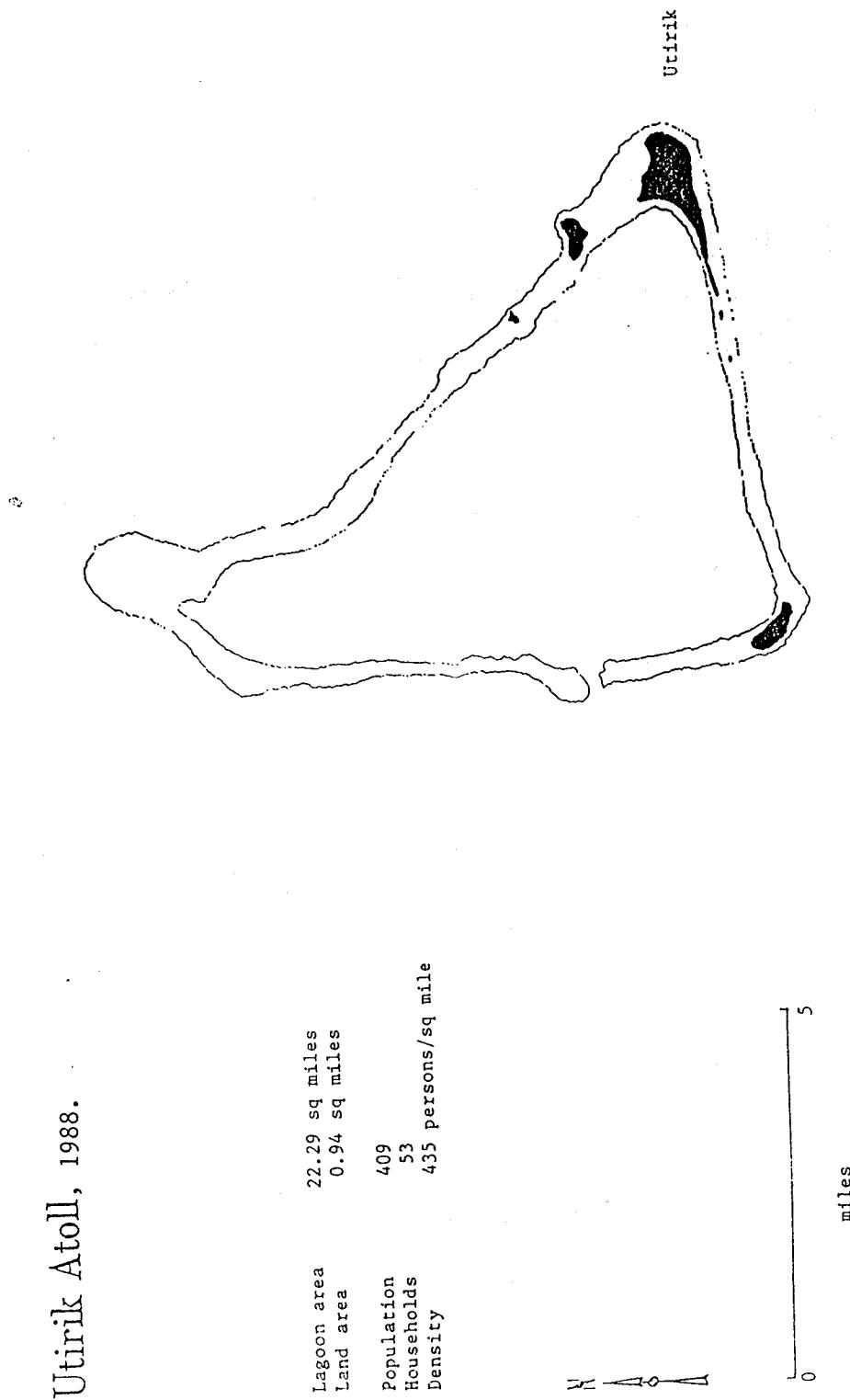


Lagoon area      25.47 sq miles  
Land area      0.67 sq miles

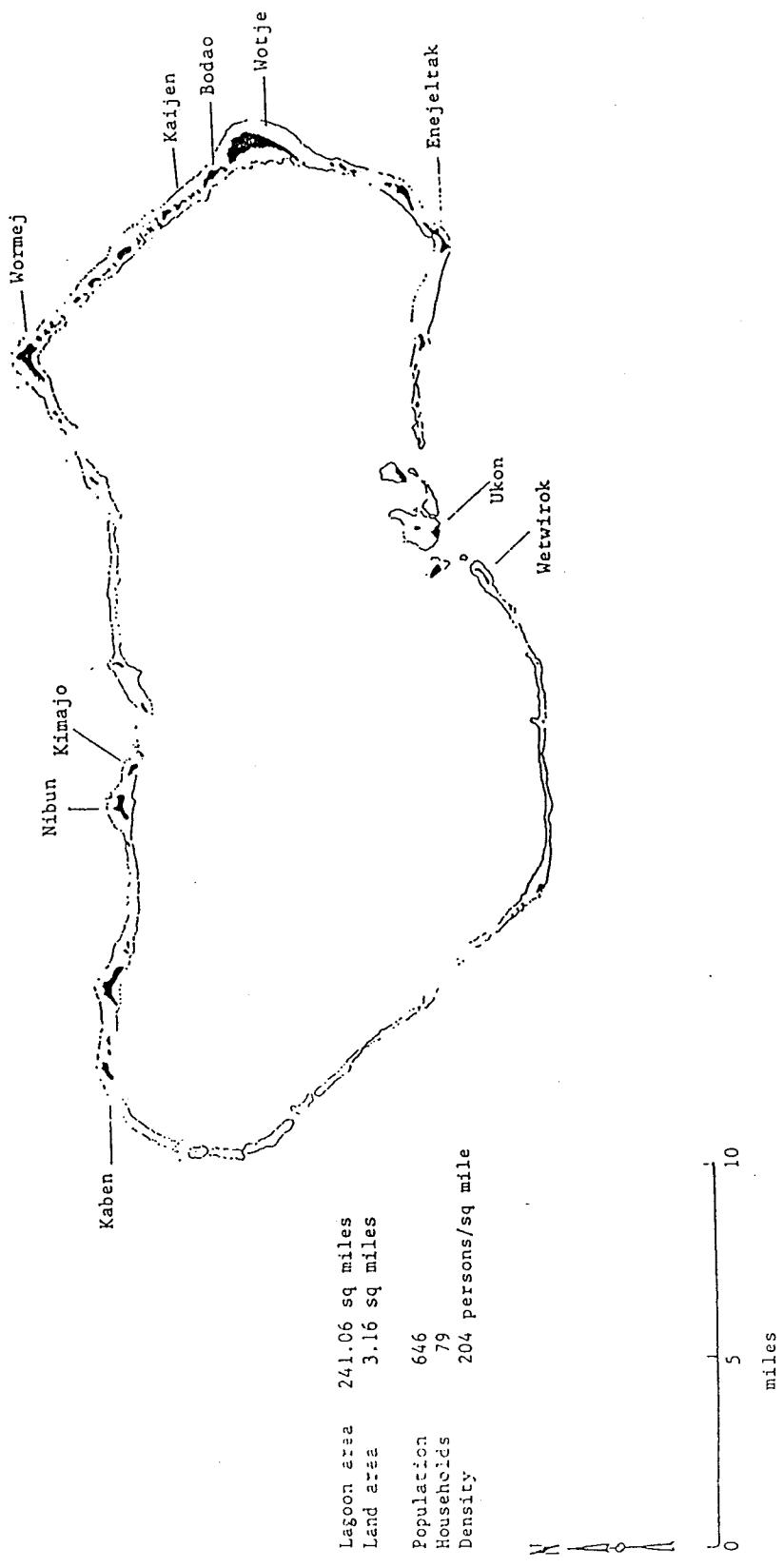
N S E W

0 Miles 5

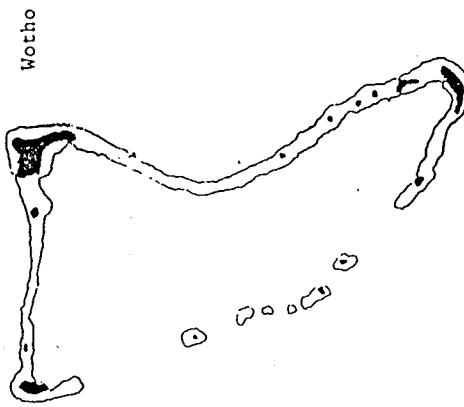
Utirik Atoll, 1988.



Wotje Atoll, 1988.



Wotho Atoll, 1988.



Lagoon area	36.65 sq miles
Land area	1.67 sq miles
Population	90
Housholds	16
Density	54 persons/sq mile

0 5  
miles