TABLES

Table D-2.1 PRINCIPAL FEATURES OF SURFACE WATER INTAKES FOR BA REGIONAL WATER SUPPLY SYSTEM

··· · · · · · · · · · · · · · · · ·	Gravit	y Intake	Pumping Intake	
	Upper Varaciva	Nawetavuni	Lower Varaciva	Total
Intake Water Level (El.m)	94.5	99.4	43.0	
Average Flow		•	. •	
in cu.m/hour	149	191	216	556
in litre/sec	41	53	60	154
in cu.m/day	3,576	4,584	5,184	13,344
Safe Yield *				
in cu.m/hour	54	54	234	342
in litre/sec	15	15	65	95
in cu.m/day	1,296	1,296	5,616	8,208

^{*:} estimated in Report on Ba Regional Water Supply Distribution Study (the Ba Report)

Table D-2.2 PRINCIPAL FEATURES OF GROUNDWATER SOURCES FOR BA REGIONAL WATER SUPPLY SYSTEM

Description	Varavu	Navoli	Koronubu	Veisaru
Drilling Date	1068/10/10	28/3/68	1968/8/5	1968/11/6
Depth (m)	60.3	30.5	62,4	61.0
Casing Dia. (inch)	6	6	6	6
Pumping Rate at Testinį (gal./hour)	6,300	1,100	1,000	4,560
(cu.m/hour)	29	5	5	21
Production Record * (cu.m/day)	200	100	150	200
(cu.m/hour)	, 8	4	6	8
Reservoir Storage (cu.m)	27	36	27	36
Reservoir Water Level (El.m)	65	N.A	41	70

statistics of PWD

Table D-2.3 SALIENT FEATURES OF CURRENT OPERATION MODES
OF WAIWAI WATER TREATMENT PLANT

Facility	Major Dimension	Current Operation Mode / Details of Facilities
1. Primary Sedimental	ion Basin	
. •	2 ponds	40 m in length, 20 m in width, 4 m in depth
2. Pressure Filter	20 nos.	capacity: 23 cu.m/hour (=552 cu.m/day) each
3. Chemical Feeders		 The second state of the second st
Aluminium sulpha	ite	Dosing point: Raw water main before primary sedimentation basin Dosing rate: 1,600 kg/month, for coagulation
Soda ash		Dosing point: Raw water main before primary sedimentation basin Dosing rate: 1,000 kg/month, for pH correction
Chlorine		Dosing point: Connecting pipe from pressure filters to storage reservoir Dosing rate: 300 kg/month, for disinfection
4. Storage Reservoir	2 nos.	2,272 cu.m each, HWL 79 m, LWL 76 m

Table D-2.4 MONTHLY PRODUCTION RECORDS OF WAIWAI WATER TREATMENT PLANT

	·				•					(1	Jnit : cu	.m/day)
Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
1983	-										4,124	4,028
1984	3,822	4,007	3,955	3,959	3,842	3,720	3,694	3,854	3,830	3,879	4,213	4.196
1985	4,437	4,395	4,478	4,391	4,164	3,820	4,845	5,098	5,093	5,088	5,261	5.347
1986	n.a	5,054	5,077	4,761	4,689	4,078	4,352	4,534	4,454	4,903	4,786	4,946
1987	5,183	5,069	5,053	4,689	4,473	4,514	4,520	4,548	n.a	n.a	5,068	5.095
1988	5,445	5,739	n.a	5,877	5,766	6,084	5,997	5,722	6,043	6,146	6,014	5,885
1989	6,057	5,445	6,455	6,413	6,094	6,285	6,669	6,445	6,555	6,789	n.a	5,857
1990	4,341	6,641	5,351	4,797	n.a	4,779	2,598	3,086	n.a	n.a	n.a	5,857
1991	1,895	1,498	2,663	3,849	3,225	2,519	2,953	3,596	3,525	1,653	n.a	8,134
1992	4,777	7,026	6,324	7,384	8,712	7,204	8,508	8,870	9,000	9,097	9,318	8,973
1993	8,319	8,992	n.a	n.a	n.a	4,039	3,708				48	1.4., 11.
Average	4,920	5,387	4,920	5,124	5,121	4,704	4,784	5,084	5,500	5,365	5,541	5,832

Source: PWD Western Divisional Office in Lautoka

Table D-2.5 PRINCIPAL FEATURES OF SERVICE RESERVOIRS IN BA REGIONAL WATER SUPPLY SYSTEM

Reservoir	Service Area /	Storage	Water Level
· · · · · · · · · · · · · · · · · · ·	Purpose		
Existing Reservoirs			
Waiwai Treatment Plant	West bank of Ba river (AA, AB zone) / to Vaqia reservoir to Vunisamaloa reservoir via. booster pu to planned Vadraulailai reservoir	= 4,544 cu.m	HWL 79 m LWL 76 m
Varadoli	emergency purpose only	570 cu.m	WL 37 m
Vunisamaloa	Vunisamaloa Area, Vaqia, Korovuto & Namada high area of Koronubu borehole zone high area of Veisaru borehole zone	375 cu.m (existing) 375 cu.m (planned)	HWL 98 m LWL 95 m
Vaqia	Ba town (AC zone) & Navoli Eastern edge of the service area along Kings Rd. (AD zone) to planned Vadravadra reservoir	6,820 cu.m	HWL 59.5 m LWL 55.0 m
Tauvagavaga	Tauvagavaga community & its neighbouring areas	45 cu.m	WL 95 m
Planned Reservoir			
Vadravadra	Eastern edge of the service area along Kings Rd. (AD zone and Varavu area)	250 cu.m	WL 45~51 m
Vadraulailai	Western edge of the service area along Kings Rd. (AB zone)	240 cu.m	WL 70~73 m

Table D-2.6 PRINCIPAL FEATURES OF TAVUA / VATUKOULA REGIONAL WATER SUPPLY SYSTEM

	Each Item	Stage I	Stage II
1. Intake			
- Type, Model and No.	Grundfos SP 120-4,	2 nos. for duty	3 nos. for duty
Pump	30 kW each	I no. for standby	1 no. for standby
		3 nos, in total	4 nos. in total
- Pumping Capacity	the transfer of the second	电流性电路性 法特殊的政策	in the following that years
Discharge:	37.5 liter/sec.	75 liter/sec. for duty	112.5 liter/sec. for duty
	(=3,240 cu.m/day)	(=6,480 cu.m/day)	(=9,720 cu.m/day)
Head:	44 m	And the second second	
A. 77			
2. Treatment Plant			e jagan er
- Plant Flow		250 cu.m/hour	375 cu.m/hour
er en		(=6,000 cu.m/day)	(=9,000 cu.m/day)
	2.3m dia. x 5.2m high	1 no.	1 no.
Volume :	20 cu.m	radionale a Braza e la Cara. La companya	
Det Time :		5 min.	3.5 min.
- Clarifier	6.9m dia. x 5.0m high	2 nos.	3 nos.
Volume :	185 cu.m		of get
Det Time:		2 min.	3 min.
Area:	37 sq.m	to March 1991 and the co	
Rise time:	3.3 m/hr	and the state of the state of	
- Filter	5.0m dia. x 4.0m high	•	
Area:	20 sq.m	The end of the second	
Filter rate:	1.7 mm/sec.	and the state of t	
Backwash Rate:	7.5 mm/sec.		•
Air Scour Rate:	7.5 mm/sec.		hearteathag sh
3. Booster Pump		and the second of the second	
- Type, Model and No.	Grundfos SP 120-5.	3 nos.	4 nos.
Pump	37 kW each	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
- Pumping Capacity	D. R. H. OWOH		
Discharge:	37.5 liter/sec.	112.5 liter/sec. for duty	150 liter/sec. for duty
2 130114180	(=3,240 cu.m/day)	(=9,720 cu.m/day)	(=12,960 cu.m/day)
Head:	51 m	(->,120 cu.m/day)	(~12,700 ¢a.m/aaj)
4. Main Storage Reservo	ir	1 no.	2 nos.
Volume :		3,400 cu.m	6,800 cu.m
Water Level:	84 m		
6 m . n . 1			· · · · · · · · · · · · · · · · · · ·
5. Tavua Reservoir	007	AT 4	
Storage :	227 cu.m in Reservoir I		- .
	568 cu.m in Reservoir I	No.2 -	-
121 . Y .	795 cu.m in total	• • • • • • • • • • • • • • • • • • •	- · · · · · · · · · · · · · · · · · · ·
Water Level:	59.6 m	<u>-</u>	•
6. Tagitagi Reservoir		·	
Storage:	68 cu.m	-	
Water Level :			

Table D-2.7 RAW AND TREATED WATER QUALITY OF TAVUA / VATUKOULA WATER TREATMENT PLANT

	Raw Water	Quality		<u>Treatment Aim</u> Highest				
Item	Units	Normal Level	Range	Desirable Level	Excessive Level			
Colour	° Hazen	1.0	0.2~27	5	30			
Turbidity	NTU	30	5~140	1	5			
рН	% (1.48 <mark>*</mark> 2.13 -	8.3	6.4~8.7	7.4~8.5	7.0~8.5			
Alkalinity	g/cu.m	9.5	55~`06	80	200			

Source: Pamphlet on Tavua/Vatukoula Regional Water Supply Scheme made by PWD

Table D-2.8 TREATMENT CHEMICALS OF TAVUA / VATUKOULA WATER TREATMENT PLANT

Chemical	Storage Volume	Design Dose	Solution Strength	Dosing Point	Dosing Capacity
Alum	4 cu .m	20 g/cu.m	15%	pre-treatment	881 /hour x 2
Soda	2 cu .m	as requested	5%	post-treatment	881 /hour
Acid	2 cu .m	as requested	10%	pre-treatment	881 /hour
Chlorine	1,920 .kg	1.5 ppm	gaseous 100%	pre and post- treatment	500 g/hour

Source: Pamphlet on Tavua/Vatukoula Regional Water Supply Scheme made by PWD

Table D-2.9 MONTHLY PRODUCTION RECORDS OF TAVUA / VATUKOULA WATER TREATMENT PLANT

			<u> </u>					····		(Unit : cu.m/day)		
Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
1989	•										2,642	2,358
1990	3,378	2,702	3,142	2,517	2,772	3,371	3,506	2,204	1,786	1,523	1,826	2,006
1991	1,526	2,533	2,928	3,102	2,610	2,424	2,248	2,122	2,144	2,194	2,370	2,385
1992	2,393	2,696	3,127	2,531	2,343	2,413	2,318	2,215	2,260	2,491	2,549	2,750
1993	2,585	2,597	2,634	2,498	2,315	2,249	2,231		•			
Average	2,471	2,632	2,958	2,662	2,510	2,614	2,576	2,180	2,063	2,069	2,347	2,375

Source: PWD Western Divisional Office in Lautoka and Tavua/Vatukoula Water Treatment Plant

Table D-2.10 PRINCIPAL FEATURES OF GRAVITY SOURCES FOR RAKIRAKI REGIONAL WATER SUPPLY SYSTEM

Description	Narara Dam	Nakasia Dam
Catchment Area (sq.km)	2.8	0.76
Dam Height (m)	1.3	0.3
Intake Water Level	75.6	140.6
Storage	175 cu.m on dam	227 cu.m in tank at intake site
Runoff in drought	e e e e e e e e e e e e e e e e e e e	
in cu.m/day in liter/sec	346 4	nil nil
Runoff on average		
in cu.m/day in liter/sec	700 8	500 ·

Table D-2.11 MONTHLY PRODUCTION RECORDS OF GRAVITY SOURCES IN RAKIRAKI REGIONAL WATER SUPPLY SYSTEM

										J)	Jnit : cu	.m/day)
Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
1989	497	256	52	13	n.a	n.a	n.a	393	671	546	380	435
1990	421	489	657	566	532	398	490	491	512	544	591	560
1991	605	542	593	438	218	n.a	n.a	n.a	n.a	n.a	n.a	n.a
1992	105	732	832	780	947	566	913	1,044	868	738	811	960
1993	1,418	9,701*	869	1,022	1,399	1,331	1,109	1,034				
Average	609	505	601	564	774	765	837	741	684	609	594	652

Source: PWD Rakiraki District Office

*: assumed to be misread

Table D-2.12 MONTHLY PRODUCTION RECORDS OF PUMPING SOURCE IN RAKIRAKI REGIONAL WATER SUPPLY SYSTEM

										<u>(</u> L	Jnit : cu.	m/day)
Year	Jan.	Feb.	Mar.	Арг.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
1983	n.a	n.a	n.a	n.a	n.a	n.a	n.a	770	n.a	867	865	813
1984	759	786	1,092	547	577	578	586	641	815	750	787	658
1985	486	514	547	553	540	587	617	656	632	715	723	681
1986	n.a	961	791	785	748	741	651	468	645	501	577	484
1987	863	964	814	852	859	953	1,064	1,098	n.a	n.a	n.a	n.a
1988	895	1.027	n.a	974	1,016	906	1,142	1,090	1,168	1,254	1,066	939
1989	666	737	1,081	1,101	1,138	1,132	5,032*	1,426	1,270	1,311	1,435	n.a
1990	1,457	1,457	1,268	1,344	n.a	1,352	1,455	n.a	n.a	n.a	n.a	1,388
1991	1,391	1,310	1,261	1,300	1,395	3,421*	n.a	n.a	n.a	1,511	1,437	1,479
1992	1,349	1,342	1,213	1,259	919	1,408	1,176	739	n.a	n.a	n.a	n.a
1993	n.a	n.a	п.а	1,153	1,293	1,365						
Average	983	1,011	1,008	987	943	1,002	956	861	906	987	984	920

Source: PWD Western Divisional Office in Lautoka

*: assumed to be misread

Table D-3.1 LIST OF COMMUNITIES IN STUDY AREA (1)

		6 Census		nt Water Supply Co	
Name of Province/	Peopl		Regional	Rural	Note
Tikina/Community		holds	Water Supply	Water Supply	
n Describes		 	Condition	Condition	
a Province a Tikina					
a i ikilia					
- 1 Bangladesh	39	1 64	RSP		
- 2 Benai	58:	1 89	RSF	CSB	emergency water supplied in 1992
- 3 Bilolo	710	5 112	NS	CSC	emergency water supplied in 1992
- 4 Bulabula	642		NS	CSP	emergency water supplied in 1992
- 5 Busabusa	25		NS	CSP	
- 6 Chinakoti	40		NS	DWS	
- 7 Elevuka Rural	150		RSP		. *
- 8 Itatoko	320		NS	n.a.	
- 9 Karayi	69		NS	CSC	emergency water supplied in 1992
				CSC	* *
- 10 Koronubu	99		RSP		emergency water supplied in 1992
- 11 Koroqaqa Villa	-		RSP		
- 12 Korovuto	1,43		RSP		
- 13 Kumkum	30		RSP	DSS	emergency water supplied in 1992
- 14 Lavuci	43		RSP		
- 15 Maranitawa	46	8 68	NS	CSC	The Control of the Control of the Control
- 16 Matiniqara	16	3 28	RSP		and the property making in
- 17 Maururu	16	8 28	RSP		*
- 18 Moto	54	9 90	RSP	DSS	emergency water supplied in 1992
- 19 Nabatolu	34	6 56	NS	CR	emergency water supplied in 1992
- 20 Nacaci	39		NS	n.a	
- 21 Nadari	75	4 4 4 4	NS	CSC	
- 22 Nadrau	22		NS	n.a	
- 23 Nailaga Village		4 89	RSP		
- 24 Nakavika	. 12		NS	TW	emergency water supplied in 1992
			RSP	1 17	chargency water supplied in 1992
- 25 Namada	77			Cee	
26 Namudri	18		NS .	CSS	$(x_1, \dots, x_n) = (x_1, \dots, x_n) + (x_1, \dots, x_n) = (x_1, \dots, x_n$
- 27 Naruku	28		RSP	A STATE OF THE STATE OF	4.5
- 28 Nasolo	13		RSP		
 29 Nasolo Village 	12		RSP		
- 30 Natalecake	41		RSP		
- 31 Natalecake Vil			RSP		
32 Natunuku Villa	ge 15	1 26	NS	DW	emergency water supplied in 1992
 33 Natutu Village 	15	6 26	RSP		
- 34 Navatu	65	6 112	RSP	1.	emergency water supplied in 1992
- 35 Navau	. 50	8 90	RSP	DW	emergency water supplied in 1992
36 Navia	17	4 31	NS		emergency water supplied in 1992
- 37 Navoli	1,06	7. 195	RSP		emergency water supplied in 1992
- 38 Nawagarua Vi			RSP		
- 39 Nukuloa	82		NS	CSĆ	emergency water supplied in 1992
- 40 Qara	18			CS	omorgonoy maior supplied in 1882
-	45	-	NS	CSC	emergency water supplied in 1992
3 - 41 Qerelevu					
3 - 42 Rarawai Dam	13			FSC	emergency water supplied in 1992
8 - 43 Rarawai Rural				FSC	emergency water supplied in 1992
3 - 44 Sarava	77				
3 - 45 Sasa Village	23				
3 - 46 Savusavu	25	68 46	RSP	CSC	
3 - 47 Solosolo	. 29	90 38	NS	CSC	
3 - 48 Sorokoba Villa	ige 28	36 46	RSP		
3 - 49 Talaiya	39				•
3 - 50 Tauvegavega		18 117			emergency water supplied in 1992
3 - 51 Vadravadra V		53 46			•
3 - 52 Valele	•	39 55		n.a	i Afrika da Kalandara Berrada da K
B - 53 Vaqia		97 118		CS	
3 - 54 Varadoli		97 116 92 50			
B - 55 Varaguii B - 55 Varavu					emergency water supplied in 1992
		99 122			concigone, water supplied in 1992
B - 56 Varoko		43 108			omagnancy woder complied in 1900
B - 57 Vatuyaka		05 150		200	emergency water supplied in 1992
B - 58 Vatusui		71 93		DSS	emergency water supplied in 1992
B - 59 Veisaru	1,9				
B - 60 Votua	3	98 62	RSP		

Table D-3.1 LIST OF COMMUNITIES IN STUDY AREA (2)

٠.		1986 C			Water Supply Co Rural	Note
	me of Province/	People	House-	Regional Water Supply	Water Supply	
H	kina/Community		IMIOS	Condition	Condition	
-	61 Votua Village	545	73	RSP	Condition	
	62 Vunisamaloa	440	81	RSP		emergency water supplied in 1992
•	63 Vutuni Creek	547	94	RSF	CSC .	emergency water supplied in 1992
_	64 Waibuka	261	47	RSF	CSS	
	65 Wailagi	143	24	RSP	CSS	
-	66 Wailailai	929	177	RSP		
, } -	67 Waiwai	515	80	NS	n.a	
} -	68 Yalalevu	947	165	RSP		
	Town	10,260	1,920	RSP	•	
						•
lage	odro Tikina					
4 -	1 Balevuto	1,007	158	NS	DSS	
4 - 1	2 Balevuto Village	165	25	NS	CSC	
d -	3 Bukuya Village	485	72	NS	CSC	
vI -	4 Nadrugu Village	138	20	NS	n.a	
vî -	5 Nalotawa Village	.62	8	NS	n.a	
v1 -	6 Namau	615	91	NS	CSC	emergency water supplied in 1992
vI -	7 Nanuku Village	118	20	NS	n.a	
vi -	8 Nukuloa	384	64	NS	CS	•
M -	9 Tabalei Village	161	25	NS	п.а	
vı - VI -	10 Tabataba	617	110	NS -	DSS	
M -	11 Tabuquto Village	66	8	NS	n,a	·
	•	244	31	NS	CSC	
M -	12 Toge	229	38		n.a	
М -	13 Toge Village	190	36 24	NS NS	CSC	•
M -	14 Vatawai	190	24	NS NS	n.a	÷ :
М -	15 Virara	98	.18		н.а п.а	
М -	16 Yaloku Village	90	.10	143	11.41	•
Τονι	ıa Tikina				•	
T -	1 Yasiyasi	994	160	RSP		emergency water supplied in 1992
т -	2 Balata	478	81		DW	emergency water supplied in 1992
-		108	21		CSS	cinergone, mater supplied in 1772
T -	3 Buyabuya Village	213	39		Con	emergency water supplied in 1992
T -	4 Dakayono	453	65		CSC	emergency water supplied in 1992
T -	5 Davota	433	76		CR,RA	emergency water supplied in 1992
Т-	6 Drumasi		34		CSS	cincigone) water supplied in 1992
T -	7 Koro No.1	260			CSS	
T -	8 Koro No.2	256	42			
T -	9 Koro Village	98	13		CSS	
Т -	10 Koroboya Village	206	29		CSC	1'4 :- 1000
T -	11 Korovou	. 416	.75	*	CR,RA	emergency water supplied in 1992
Т-		237	45		CSB	emergency water supplied in 1992
Τ-	13 Kukunirewa	169	29		CR,RA	emergency water supplied in 1992
Т-	14 Lousa	543	90) NS	DW	emergency water supplied in 1992
T -	15 Lubulubu	415	73	RSP RSP	DW	emergency water supplied in 1992
T -		1,108	193		TW	emergency water supplied in 1992
т -		503	87		CSB	emergency water supplied in 1992
т.		398	73		DW	emergency water supplied in 1992
T -		462	76		DW	emergency water supplied in 1992
Т-		248				
т.		88	14			emergency water supplied in 1993
т.		127	2		CS	emergency water supplied in 1992
T	the state of the s	305	43		n.a	
Ť	•	56	13		CSC	
Τ.		481	.84			emergency water supplied in 1992
T.		123	2		CR	emergency water supplied in 1993
		157	2		CSR	Same, and Andreas 1222
T.					CSC	
T.		484	7:			emergency water supplied in 199
T		558	9		CSS	emergency water supplied in 1993
T ·		275	5		CSC	emergency water supplied in 199.
T		181	3			
	32 Tagitagi	1,019				
T		1,276			m.111	
	- 34 Vatia	373	. 6	1 NS	DW	emergency water supplied in 199

Table D-3.1 LIST OF COMMUNITIES IN STUDY AREA (3)

Name of Province/	People	Census House-	Regional	Water Supply C Rural	Note
Tikina/Community		holds	Water Supply	Water Supply	Market programme and programme
			Condition	Condition	
` - 35 Vatubo	190	26	NS	CSC	
' - 36 Vuqele	503	72	NS	CSC	emergency water supplied in 1992
- 37 Waikatakata	473	81	RSF	n.a	그 사람이 가는
- 38 Waikona	344	57	RSP	**	
- 39 Waikubukubu Village	160	33	NS	CSC	No. 1
- 40 Wainivocea	354	59	NS	CSC .	emergency water supplied in 1992
- 41 Yaladro	740	135	RSP	-	emergency water supplied in 1992
- 42 Nasomo village	n.a	n.a	NS	CSC	emergency water supplied in 1992
- 43 Tokoloa	n.a	n.a	RSF	TW	emergency water supplied in 1992
- 44 Malotu	n.a	n.a	NS	CR,RA	emergency water supplied in 1992
- 45 Garampani	n.a	n.a	RSF	CR	emergency water supplied in 1992
- 46 Lololevu	n.a	n.a	NS	CSC	emergency water supplied in 1992
Tavua Town	2,227	411	RSP	C 5C	calcigates water supplied in 1992
Vatukoula Town	-				
vanikoma rowii	4,789	814	RSP		
udo Tibios					
uda Tikina					
- 1 Raviravi	1,878	346	NS	TW	emergency water supplied in 1992
- 2 Tavarau	972	173	NS	CSC	emergency water supplied in 1992
- 3 Tuvu	739	138	NS	DW	emergency water supplied in 1992
					The second of the second of
lavosa Tikina					The second of the second of
- 1 Nanoko Village	471	80	NS	CSS	A. A
a Province		•			
akiraki Tikina			* *		N:
- i Caulasi/Colosi	375	65	RSP		Zarania da Santa da
- 2 Draunivi	171	30	NS	CSS	emergency water supplied in 1992
- 3 Draunivi Village	329	60	NS	CSC	omorgancy mater supplied in 1772
- 4 Ellington	976	155	RSF	DW	emergency water supplied in 1992
- 5 Gallau	652	114	RSF	n.a	emergency water supplied in 1992
- 6 Kavuli	449	78	RSF	DW	omarcanous suntan assentia d in 1000
- 7 Korotale	141	23	RSP	D₩	emergency water supplied in 1992
- 8 Lobau	143	23	RSF	1.	
- 9 Mullau				n.a	
* **	470	72	NS	n.a	
- 10 Naivunivuni Village	171	31	RSF	CSC	
- 11 Nakorokula Village	82	18	RSF	CSS	
- 12 Nananu Village	204	28	NS	CSS	the second of the second
- 13 Nanuku	517	89	NS	C\$B	emergency water supplied in 1992
- 14 Narewa	197	34	RSF	n.a	
- 15 Narewa Village	102	19	RSF	CSC	emergency water supplied in 1992
- 16 Naria	683	118	RSF	CSC	emergency water supplied in 1992
- 17 Nasayani Village	204	31	NS	CSC	
- 18 Rabulu Village	115	20	RSF	CSS	
- 19 Rabulu	391	75	RSF	CSS	emergency water simplied in 1002
- 20 Raravatu	147	27	RSF	DW	emergency water supplied in 1992 emergency water supplied in 1992
- 21 Togovere Village	188	39	NS	CSS	omorgone's water supplied in 1992
- 22 Vatusekiyasawa Village	216	41	RSF	CSC	
- 23 Vitawa	272				
- 24 Vitawa Village		41	RSF	CSC	emergency water supplied in 1992
- 25 Vitivanua	207	41	RSF	CSC	emergency water supplied in 1992
	225	33	NS	DW,CR	emergency water supplied in 1992
	509	87	RSF	CSS	emergency water supplied in 1992
- 27 Vunitogoloa Village	239	47	NS	CSS	emergency water supplied in 1992
- 28 Wailevu	315	51	NS	CSC	
- 29 Wairuku	490	87	RSP		1000年,第400年,第400年
- 30 Waimari	455	64	RSP	CSC	The state of the s
- 31 Dociu	n.a	n.a	RSF	DW	emergency water supplied in 1992
t - 32 Nuculaca	n.a	n.a	NS	DW	emergency water supplied in 1992
C - 33 Natunu	n.a	n.a	NS -	DW	emergency water supplied in 1992
Rakiraki Town	3,361	626	RSP		

Table D-3.1 LIST OF COMMUNITIES IN STUDY AREA (4)

	1986	Census	Present	Water Supply Condi	tion
Name of Province/ Tikina/Community	People		Regional Water Supply Condition	Rural Water Supply Condition	Note
Saivou Tikina					
S - 1 Korotale	344	52	NS	n,a	
S - 2 Narara Village	30	6	NS	CSC	
S - 3 Rewasa	351	57	RSP	CSC	
S - 4 Rewasa Village	219	39	RSP	CSC	•
S - 5 Tuvavatu	459	81	NS	CSC	
S - 6 Vatukacevaceva Village	198	42	NS	CSC	
S - 7 Waivuca	n.a	n.a	RSP	er	nergency water supplied in 1992

Remarks:

n.a: no data available

- Regional Water Supply Condition -

RSP: Service Area of Regional Water Supply System at Present RSF: Service Area of Regional Water Supply System in Future

(Rural Water Supply Area at Present)

NS: Non-service Area of Regional Water Supply System at Present/in Future

- Rural Water Supply Condition -

Private Company Water Supply

FSC: Water Supply System owned by Fiji Sugar Corporation

DSS: M.R. Dayal Company Water Supply System

Communal Water Supply System

CSB: Borehole Water Source CSC: Creek/River Water Source CSS: Spring Water Source

CSR: Roof Tank (Rainwater) Water Source

CS: Data of Water Source not available

Non-piped Water Supply

TW: Tube Well DW : Dug Well

CR : Creek/River RA: Rainwater/Roof Tank

SP: Spring

Table D-4.1 LIST OF COMMUNITIES SUPPLIED EMERGENCY WATER IN 1992 (1)

• *	1986	cnsus		ency Water Suuply		Section 19 Section 2
Name of Province/	People	House-	Population Househo	ld No. of family	Ratio	Note
Tikina/Community		holds	-21-	affected	affected	
Ba Province	•		;			
Ba Tikina						
B - 2 Benai	581	89	760 8		32.1%	
B - 3 Bilolo	716	112	771 124		26.6%	recurring problem
B - 4 Bulabula	642	112	716 123	2 9	7.4%	little affected
B - 9 Karavi	694	118	670 11	1 100	90.1%	
B - 10 Koronuba	997	178	1,083 20	7 34	16.4%	
9 - 13 Kumkum	305	49	359 69	9 60	87.0%	1 * * *
B - 18 Μοω	549	90	792 166	6 34	20.5%	
B - 19 Nabatolu	346	56	414 8	1 32	39.5%	
8 - 24 Nakavika	121	27	n.a n.a	n.a	n.a	4 4 41
Nakavia Fijian	n.a	n.a	110 24	4 24	100.0%	and the section
Nakavika Indian	n.a	n.a	145 26	6 33	126.9%	er aleman eg er
3 - 32 Natumuku Village	151	26	156 4	6 25	54.3%	to the second
Natunuku Indian	n.a	n.a	145 20	6 0	0.0%	and the state of the state of
3 - 34 Navatu	656	112	788 183	2 0	0.0%	little affected
Navatu Field 27	n.a	n.a	417 89	9 0	0.0%	en en et de la companya de la compa
B + 35 Navau	508	90	487 103	3 36	35.0%	
B - 36 Navia	174	31	232 43	3 3	7.0%	little affected
B - 37 Navoli	1,067	195	927 19	6 42	21.4%	
B - 39 Nukuloa	824	132	837 14	2 14	9.9%	
B - 41 Qerelevu	453	64	392 8	0 30	37.5%	
B - 42 Rarawai Dam	135	23	n.a n.a	n,a	n.a	little affected
B - 43 Rarawai Rural	1,282	218	n.a n.a	n.a	n.a	little affected
Rarawai rubbish dump	n.a	n.a	1,362 31	0	2.9%	
B SO Tauvegavega	618	117	854 26	2 52	19.8%	recurring problem
B - 55 Varavu	799	122	867 14	· ·		little affected
B + 57 Valuyaka	905	150	1,182 17	0 37	21.8%	1,676 %
B - 58 Vatusui	571	93	640 12	0 68	56.7%	recurring problem
B - 62 Vunisamaloa	440	81	630 12		10.0%	0.2
B - 63 Yuruni Creek	547	94	593 13			recurring problem
Magodro Tikina						
M - 6 Namau	615	91	487 10	36	35.0%	recurring problem
						less groundwater potenti

Table D-4.1 LIST OF COMMUNITIES SUPPLIED EMERGENCY WATER IN 1992 (2)

	1986	Census	199	92 Ernergeno	y Water Suuply		
Name of Province/	People	House-	Population	Household	No. of family	Ratio	Note
Tikina/Community		holds			affected	affected	
Tavua Tikina							
' - 1 Yasiyasi	994	160	n.a	n.a	n.a	n.a	little affected
· 2 Balais	478	81	n.a	n.a	43	n,a	severe drought
- 4 Dakavono	213	39	n.a	n.a	23	n.a	little affected
- 5 Davota	453	65	n.a	n.a	n.a	n.a	
- 6 Drumasi	478	76	n.a	n.a	47	n.a	severe drought
- 11 Koroyou Settlement	416	75	n.a	n.a	n.a	n.a	
- 12 Korovou Village	237	45	n.a	n.a	n.a	n.a	•
13 Kukunirewa	169	29	ก.ล	n.a	n.a	n.a	
- 14 Lousa	543	90	n.a	n.a	46	n.a	
 15 Lubulubu 	415	73	n.a	n.a	-30	n.a	
- 16 Maiele	1,108	193	n.a	n.a	207	n.a	
- 17 Magere	503	87	n.a	n.a	45	n.a	
- 18 Matalevu	398	73	n.a	n.a	n.a	n.a	
- 17 Magere - 18 Matalevu - 19 Matangata	462	76	n.a	n.a	86	n,a	severe drought
- 21 Nabuna Village	88	14	n.a	n.a	n.a	n.a	little affected
- 22 Nadariyatu	127	21	n.a	n.a	n.a	n.a	little affected
- 25 Natawa	481	84	n.a	n.a	n.a	n.a	
26 Natolevu 29 Qaleta	123	23	п.а	n.a	10	n.a	4
- 29 Qalcia	558	91	n.a	n.a	16	n.a	
- 30 Rakavidi	275	50	n.a	n.a	n.a	n.a	
- 34 Vatia	373	61	n.a	n.a	56	n.a	
* - 36 Vuqele	503	72	n.a	n.a	27	n.a	
- 40 Wainivocea	354	59	n.a	n.a	n.a	n.a	
- 41 Yaladro	740	135	n.a	n.a	n.a	n.a	little affected
- 42 Nasomo village	n,a	n.a	n.a	n.a	n.a	n.a	
- 43 Tokoloa	n.a	n.a	n.a	n.a	n.a	n.a	
- 44 Malotu	n.a	n.a	n.a	n.a	n.a	n.a	
- 45 Garampani	n.a	n.a	n.a	n.a	n.a	n.a	
F - 46 Lololevu	n,a	n.a	n.a	п.а	n.a	п.а	

Table D-4.1 LIST OF COMMUNITIES SUPPLIED EMERGENCY WATER IN 1992 (3)

	1986	Census	199	2 Emergenc	y Water Suuply	٠.	
Name of Province/ Tikina/Community	People	House- holds		Household	No. of family affected	Ratio affected	Note
/uda Tikina							
/ · 1 Raviravi	1.878	346	2.015	280	4	1.4%	
- 2 Tavarau	972	173	3,660	n.a	732	n.a	
/ - 3 Tuvu	739	138	. n.a	n.a	п.а	n.a	
la Province				*****	*****	*****	
takiraki Tikina				v			
Rural							
2 Draunivi	171	30	284	44	n,a	n.a	
t - 4 Ellington	976	155	431	49	44	89.8%	
- 6 Kavuli	449	78	n.a	n.a	n.a	n.a	
13 Namuku	517	89	n.a	n.a	n.a	n.a	
Nanuku/Nailevu			203	33	15	45.5%	
- 15 Narowa Village	102	19	106	23	23	100.0%	
16 Naria	683	118	369	57	55	96.5%	
- 19 Rabulu	391	75	n.a	n.a	п.а	n.a	severe drought
L + 20 Raravatu	147	27	119	22	n.a	n.a	service divagin
C - 23 Vitawa	272	41	66	10	10	100.0%	
: - 24 Vitawa Village	207	41	n a	n.a		n.a	
t - 25 Vitivanua	225	33	166	32		n,a	
t - 26 Volivoli	509	87	233	46		100.0%	
L - 27 Vanitogolos Village	239	47	469	70	70	100.0%	
t - 31 Dociu	п.а	n.a	120	19	19	100.0%	
L - 32 Nuculaca	п.а	n.a	77	12	12	100.0%	
L - 33 Naturu	n,a	n.a	230	. 33	п.а	n.a	A STATE OF STATE OF STATE
	2		250		11.4	11.4	
aivou Tikina						•	
- 7 Waivuca	n.a	n,a	126	18	n a	n.a	less groundwater potentia
			. 120	10	1114	11.4	icos groundwater potentia

: community for questionnaire survey

Table D-4.2 FORM OF QUESTIONNAIRE FOR REPRESENTATIVE OF COMMUNITY (1)

QUESTIONNAIRE for Groundwater Development in North Viti Levu (for Community)

Executing Agency: Japan International Cooperation Agency

INTERVIEWER:

DATE.

Reference Number of Samples Interviewed:

Name of Community:

Location:

Sublocation:

	Sublocation :			
Q1.	Status of Interviewee			
Q2.	Population (person)	1976 Census	1986 Census	1992 (estimated)
7	Fijian			
	Indian		·	
	Other			
	Total			
Q3.	Nos, of household			
	Fijian			
1	Indian			
	Other			
	Total			
Q4.	Occupation of Main Income	1. Public sector wage	lahaus	. %
Q4.	(Fill the percentage for each, totalling	2. Private sector wage		
	1			
:	to 100 %)	3. Agriculture wage la		
		4. Business/commerci		%
:		5. Agriculture self-em	ployed	%
- 1		6. Other		%
Q5.	Average Income per Month per Household	Less than F\$50		%
	(Fill the percentage for each, totalling	F\$50-75		%
	to 100 %)	F\$75-100		%
		F\$100-150		%
		F\$150-200		, %
		F\$200-300		
,	•	F\$300-400		% %
		F\$400-500		9
		F\$500-750		9/2
		F\$750-1,000		%
4		Over F\$1,000	T	%
Q6.	If using the Regional, Communal & other	Regional System		%
	sources, Ratio of POPULATION SERVED	Communal System		%
	with water used, (Fill the percentage for each	Other sources		- %
1	totalling to 100 %)			,
Q7.	Water Supply Source	Percentage of		Average Time used
		QUANTITY of	Average distance	for fetching water
Q7.1	in Rainy Season	water used (%)	from household (m)	per DAY (hrs.)
· .	- Regional System			
- 1	1. Individual House Connection		-	
	2. Share Connection		**	-
	3. Stand Pipe			
	4. Supply from neighbours			
	5. Other		 	
	- Communal System	 		
	6. Individual House Connection			
	7. Share Connection		-	· -
	8. Stand Pipe	<u></u>		
	9. Supply from neighbours			
1	10. Other			
	- Source other than the Regional&Communal S	Systems	1	
:	11. Roof Tank (cap. m3, nos.)] -	
1	12. Dug well (depth m, nos.)			†
1	13. Tube well (depth m, nos.)			
	13. Table Well (depth m, nos.)			
*		 	 	
1	15. Spring			I was a second of
1	16. Emergency Water Supply	 	 	1
I .	17. Other		l	<u> </u>

Table D-4.2 FORM OF QUESTIONNAIRE FOR REPRESENTATIVE OF COMMUNITY (2)

	Percentage of QUANTITY of water used (%)	Average distance from household (m)	Average Time used for fetching water per DAY (hrs.)
in Dry Season			
-Regional System			
1. Individual House Connection			na maranta da
2. Share Connection	· · · · · · · · · · · · · · · · · · ·		1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3. Stand Pipe			1
4. Supply from neighbours			
5. Other	The state of the s		A TRANSPORT
- Communal System		h.,	
6. Individual House Connection			Section 1
7. Share Connection	<u>.</u>		
8. Stand Pipe			
9. Supply from neighbours	ar isana manahir		
10. Other	······································		
- Source other than the Regional&Communal S	ystems		
11, Roof Tank (cap. m3, nos.)		-	. .
12. Dug well (depth m, nos.)	1		<u> </u>
13. Tube well (depth m, nos.)			
14. River/Creek			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
15. Spring			11 11 11 11 11 11 11 11 11 11 11 11 11
16. Emergency Water Supply			
17. Other			
Average Monthly/Daily Water Consumption	in Rainy Season		m3/mon
in Community			m3/d
	in Dry Season	State of the state of	m3/mon
			m3/d
Present status of Water Supply	1. Satisfactory		
(Check appropriate one. If unsatisfactory,	2. Unsatisfactory		
check the appropriate reasons.)	Poor quality		·
check the appropriate reasons.)	Low pressure		
	Unstable		
	Insufficiency of qua	antitu	
	Expensive	untity	
Water-borne disease in the last three(3) years		Death Nos.	
		per YEAR	The state of the s
1 1st Year 1. Infectious diarrhea	per YEAR	perient	
2. Dysentery			-
3. Typhoid fever			
4. Paratyphoid fever		<u> </u>	4
5. Epidemic typhus			
6. Cholera	a transfer		
7. Influenza			
8. Malaria		7 - 17	
9. Skin Disease	}		
10. Eye Infection	:		
11 O. T. C 11			<u> </u>
11. Other Infectious disease			4.44
.2 2nd Year	1		7
1. Infectious diarrhea			
1.2 2nd Year 1. Infectious diarrhea 2. Dysentery			
1. Infectious diarrhea 2. Dysentery 3. Typhoid fever			
1. 2 2nd Year 1. Infectious diarrhea 2. Dysentery 3. Typhoid fever 4. Paratyphoid fever			
1. Infectious diarrhea 2. Dysentery 3. Typhoid fever 4. Paratyphoid fever 5. Epidemic typhus			
1. Infectious diarrhea 2. Dysentery 3. Typhoid fever 4. Paratyphoid fever 5. Epidemic typhus 6. Cholera			
1. Infectious diarrhea 2. Dysentery 3. Typhoid fever 4. Paratyphoid fever 5. Epidemic typhus 6. Cholera 7. Influenza			
1. Infectious diarrhea 2. Dysentery 3. Typhoid fever 4. Paratyphoid fever 5. Epidemic typhus 6. Cholera 7. Influenza 8. Malaria			
1. Infectious diarrhea 2. Dysentery 3. Typhoid fever 4. Paratyphoid fever 5. Epidemic typhus 6. Cholera 7. Influenza 8. Malaria 9. Skin Disease			
1. Infectious diarrhea 2. Dysentery 3. Typhoid fever 4. Paratyphoid fever 5. Epidemic typhus 6. Cholera 7. Influenza 8. Malaria			

Table D-4.2 FORM OF QUESTIONNAIRE FOR REPRESENTATIVE OF COMMUNITY (3)

	OF COMMUNITY			
		Nos. of Cases	Death Nos.	
		per YEAR	per YEAR	
210.3	3rd Year			
	1. Infectious diarrhea			
	2. Dysentery			
	3. Typhoid fever			
	4. Paratyphoid fever			
	5. Epidemic typhus	<u> </u>		
	6. Cholera	 		
	7. Influenza			
	8. Malaria			
	9. Skin Disease			
	10. Eye Infection	<u> </u>		
	11, Other Infectious disease		·	· · · · · · · · · · · · · · · · · · ·
211.	Is there new water supply plan?	YES		
		NO		
	(If YES, check appropriate one by filling	If YES, the supply wi	ll be made by	YEAR/MONTH
	with the planned commissioning	1. Regional water sup		
	YEAR/MONTH)	2. Communal water si		
	, , ,	- Borehole	', ', '	
		- River/Creek	· - · · · · · · · · · · · · · · · · · ·	
		- Spring	 	
		- Other		
		3. Private water suppl	y system	
		- Borehole		
		- River/Creek		
		- Spring		
		- Other	_	
Q12.	Women activity	Time Period		
-	In general, what are women in Community	0-3 o'clock		
	doing in each time period?	3-6 o'clock		
	don't all the state of the stat	6-9 o'clock		
		9-12 o'clock		
		12-15 o'clock		
		15-18 oʻclock		
		18-21 o'clock		
		21-24 o'clock	<u> </u>	
Other	information/data			

Table D-4.2 FORM OF QUESTIONNAIRE FOR REPRESENTATIVE OF COMMUNITY (4)

etch Map of Community	(sketch location and approximate distance
etch map of Community	of water source, agricultural field by crop, each house/building, major road, etc.)
	major rous, conjugate de la co
	and the state of t
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•	

Table D-4.3 FORM OF QUESTIONNAIRE FOR HOUSEHOLD (1)

QUESTIONNAIRE for Groundwater Development in North Viti Levu (for Household) Executing Agency: Japan International Cooperation Agency

INTERVIEWER:

DATE:

Reference Number of Samples Interviewed:

Name of Community:

Location:

Sublocation:

Q1.	Status of Interviewee	Householder (Ma	e)	· · · · · · · · · · · · · · · · · · ·
`	(Check appropriate one)	Householder (Fen		
	(contain appropriate cons,	Householder's wif		
		Other member of		
1		Owner		
		Person in charge of	of .	
Q2.	Race	Fijian		
\	(Check appropriate one)	Indian		
	(Cincin appropriate one)	Other		
Q3.	Nos. of Persons per household			persons
Q4.	Occupation of main income	1. Public sector w	age labour	policino
``	(Fill the engaged person such as husband,	2. Private sector v		
	wife, child (male), child (female) etc.)	3. Agriculture wa		
	(, , , , , , , , , , , , , , , , , , ,		nercial self-employed	
		5. Agriculture sel		
		6. Other		
Q5.	Monthly Average Income per Household	Less than F\$50		
	(Check appropriate one)	F\$50-75		
1	(Short appropriate city)	F\$75-100		
1		F\$100-150		
		F\$150-200		
1		F\$200-300	to the transfer of the	
		F\$300-400		
		F\$400-500		
		F\$500-750		
1		F\$750-1,000		
		Over F\$1,000		
Q6.	Water Supply Source	Percentage of		Average Time used
`		QUANTITY of	Distance	for fetching water
Q6.1	in Rainy Season	water used (%)	from household (m)	per DAY (hrs.)
1	- Regional System			
	1. Individual House Connection		_	-
	2. Share Connection			
	3. Stand Pipe			
	4. Supply from neighbours			
	5. Other			
	D. Oulei		1	
1	- Communal System 6. Individual House Connection		-	
	- Communal System		-	-
	- Communal System 6. Individual House Connection			-
	- Communal System 6. Individual House Connection 7. Share Connection		-	-
	- Communal System 6. Individual House Connection 7. Share Connection 8. Stand Pipe		-	-
	- Communal System 6. Individual House Connection 7. Share Connection 8. Stand Pipe 9. Supply from neighbours	Systems	-	
	- Communal System 6. Individual House Connection 7. Share Connection 8. Stand Pipe 9. Supply from neighbours 10. Other - Source other than the Regional&Communa 11. Roof Tank (cap. m3, nos.)	l Systems	-	- - -
	- Communal System 6. Individual House Connection 7. Share Connection 8. Stand Pipe 9. Supply from neighbours 10. Other - Source other than the Regional&Communa 11. Roof Tank (cap. m3, nos.) 12. Dug well (depth m, nos.)	Systems	-	-
	- Communal System 6. Individual House Connection 7. Share Connection 8. Stand Pipe 9. Supply from neighbours 10. Other - Source other than the Regional&Communa 11. Roof Tank (cap. m3, nos.)	Systems	-	-
	- Communal System 6. Individual House Connection 7. Share Connection 8. Stand Pipe 9. Supply from neighbours 10. Other - Source other than the Regional&Communa 11. Roof Tank (cap. m3, nos.) 12. Dug well (depth m, nos.) 13. Tube well (depth m, nos.) 14. River/Creek	Systems	-	-
	- Communal System 6. Individual House Connection 7. Share Connection 8. Stand Pipe 9. Supply from neighbours 10. Other - Source other than the Regional&Communal 11. Roof Tank (cap. m3, nos.) 12. Dug well (depth m, nos.) 13. Tube well (depth m, nos.) 14. River/Creek 15. Spring	Systems		-
	- Communal System 6. Individual House Connection 7. Share Connection 8. Stand Pipe 9. Supply from neighbours 10. Other - Source other than the Regional&Communa 11. Roof Tank (cap. m3, nos.) 12. Dug well (depth m, nos.) 13. Tube well (depth m, nos.) 14. River/Creek	Systems		-

Table D-4.3 FORM OF QUESTIONNAIRE FOR HOUSEHOLD (2)

•		Percentage of QUANTITY of water used (%)	Distance from household (m)	Average Time used for fetching water per DAY (hrs.)
X 6.2	in Dry Season			
	- Regional System	·		•
	1. Individual House Connection		-	-
	2. Share Connection		-	-
	3. Stand Pipe			
	4. Supply from neighbours			
	5. Other			
			A 4 2 2 2 2 2 2 2	
	- Communal System	<u> </u>		
	6. Individual House Connection		. •	
	7. Share Connection			
	8. Stand Pipe	<u> </u>		
	9. Supply from neighbours			
	10. Other			
	- Source other than the Regional&Communal S	ystems		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	11. Roof Tank (cap. m3, nos.)	Í		
	12. Dug well (depth m, nos.)			
	13. Tube well (depth m, nos.)	1. %		
	14. River/Creek			
	15. Spring	·	<u> </u>	
	16. Emergency Water Supply			
	17. Other		<u> </u>	
7.	Present status of Water Supply	1. Satisfactory		
	(Check appropriate one. If unsatisfactory,	2. Unsatisfactory		
	check the appropriate reasons.)	Poor quality		
		Low pressure		
		Unstable	and the second of the test of the second of	
	·	Insufficiency of	anantitu	
			quantity	
0	Control of the contro	Expensive		
8.	Category of Water used	1. Drinking		
	(check appropriate one)	2. Cooking		
		3. Bathing		
		4. Laundering		i ·
		5. Cleaning		
		6. Garden water		
		7. Livestock		
		8. Agriculture		
		9. Other		
9.	Average Monthly/Daily Water Consumption	9. Other		
9.1	in Rainv Season			
	For those who have meters (m3/MONTH)	Less than 10 m3	(10 000 1:)	
9.1.			(10,000 litre)	
	(Check appropriate one)	10-20 m3 20-30 m3		
		30-40 m3		
		40-50 m3		
		50-75 m3	· · · · · · · · · · · · · · · · · · ·	
	İ	75-100 m3	2.3	
		100-150 m3		4
		150-200 m3	······································	
M 1 /	O Frank - Carling	over 200 m3		The second second
9.1.	2 For those using containers for fetching water	Capacity (litre)		
	(Fill the capacity of each container used, its	1 2		
	average times of used per DAY and who is	2	· · · · · · · · · · · · · · · · · · ·	
	fetching. Clarify them about all the container			
		Average times of	use per DAY (times)	F. J. 1988 M. F.
		1	en e	
		2		
		3.		
		Who is fetching	water	
		1. Men		the second second
		2. Women		<u> </u>
		3. Children		
		4. Other		

Table D-4.3 FORM OF QUESTIONNAIRE FOR HOUSEHOLD (3)

Q9.2 Q9.2.1	lin Duu Canaan		
Q9.2.1	in Dry Season		
	For those who have meters (m3/MONTH)	Less than 10 m3 (10,000 litre)	
	(Check appropriate one)	10-20 m3	
	(Check appropriate one)		 -
		20-30 m3	
	•	30-40 m3	
	•	40-50 m3	
		50-75 m3	
	·	75-100 m3	
	_	100-150 m3	
		150-200 m3	
		over 200 m3	
00 0 0	P. d		
Q9.2.2	For those using containers for fetching water	Capacity (litre)	L
	(Fill the capacity of each container used, its	1.	
	average times of used per DAY and who is	2.	
			<u> </u>
	fetching. Clarify them about all the containers	\$ 3.	
		Average times of use per DAY (times)	
		1	
		1.	
		2.	
	1 .	3.	
			
	· · · · · · · · · · · · · · · · · · ·	Who is fetching water	
		1. Men	
		2. Women	1
	1		
	· ·	3. Children	<u> </u>
		4. Other	
010.	Emergency Water Supply		
Q10.1	Have you been supplied with emergency	YES	
	water?	NO :	
~			ļ
Q10,2	If YES,	If YES,	<u></u>
		supplied in Year	
			1
	<u>'</u>	Or	Every Year
	j -	How many times per week	times/wee
	i .	Period of supply	
			l
		(fill the MONTH started and finished)	from
			to
		Amount of supply per week	
		Amount of supply per week	
		(1 dum=44 gallon=200 litre)	to litre/wee
Q11.	Average Cost of Water per MONTH		
Q11.	Average Cost of Water per MONTH	(1 dum=44 gallon=200 litre) for free	
Q11.	Average Cost of Water per MONTH (check appropriate one)	(1 dum=44 gallon=200 litre) for free Less than F\$5	
Q11.		(1 dum=44 gallon=200 litre) for free	
Q11.		(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10	
Q11.		(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15	
Q11.		(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20	
Q11.		(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15	
Q11.		(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30	
Q11.		(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40	
Q11.		(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50	
Q11.		(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40	
	(check appropriate one)	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50	
	(check appropriate one) Willingness to be connected to New System	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES	
	(check appropriate one) Willingness to be connected to New System (applicable only to those NOT being	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO	
Q12.	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system.	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON	
Q12.	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system.	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON	
Q12.	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason)	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive	
Q12.	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition	
Q12.	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other	
Q12.	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$10-15 F\$20-30 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other	
Q12.	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other	
Q12. Pre:	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3 Willingness to pay for water per MONTH	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other	
Q12. Pre:	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3 Willingness to pay for water per MONTH If the interviewee could get SUFFICIENT	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other up to F\$5 up to F\$10	
Q12. Pre:	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3 Willingness to pay for water per MONTH If the interviewee could get SUFFICIENT water at present	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other up to F\$5 up to F\$10 up to F\$15	
Q12. Pre:	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3 Willingness to pay for water per MONTH If the interviewee could get SUFFICIENT water at present (Check appropriate one by S)	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other up to F\$5 up to F\$10 up to F\$15 up to F\$20	
Q12. Pre:	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3 Willingness to pay for water per MONTH If the interviewee could get SUFFICIENT water at present (Check appropriate one by S)	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other up to F\$5 up to F\$10 up to F\$15 up to F\$20	
Q12. Pre:	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3 Willingness to pay for water per MONTH If the interviewee could get SUFFICIENT water at present (Check appropriate one by S) Willingness to pay when Water Supply is	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other up to F\$5 up to F\$10 up to F\$15 up to F\$20 up to F\$25	
Q12. Pre:	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3 Willingness to pay for water per MONTH If the interviewee could get SUFFICIENT water at present (Check appropriate one by S) Willingness to pay when Water Supply is IMPROVED	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other up to F\$5 up to F\$10 up to F\$15 up to F\$20 up to F\$25 up to F\$30	
Q12. Pre:	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3 Willingness to pay for water per MONTH If the interviewee could get SUFFICIENT water at present (Check appropriate one by S) Willingness to pay when Water Supply is IMPROVED (Check appropriate one by I)	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other up to F\$5 up to F\$10 up to F\$15 up to F\$20 up to F\$25 up to F\$30 up to F\$30 up to F\$30 up to F\$30	
Q12. Pre:	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3 Willingness to pay for water per MONTH If the interviewee could get SUFFICIENT water at present (Check appropriate one by S) Willingness to pay when Water Supply is IMPROVED (Check appropriate one by I)	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other up to F\$5 up to F\$10 up to F\$15 up to F\$20 up to F\$25 up to F\$30 up to F\$30 up to F\$30 up to F\$30	
Pre: Q13. Q13.1	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3 Willingness to pay for water per MONTH If the interviewee could get SUFFICIENT water at present (Check appropriate one by S) Willingness to pay when Water Supply is IMPROVED (Check appropriate one by I) (Before asking, explain to the interviewee	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other up to F\$5 up to F\$10 up to F\$15 up to F\$20 up to F\$30 up to F\$30 up to F\$30 up to F\$35 up to F\$35	
Q12. Pre:	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3 Willingness to pay for water per MONTH If the interviewee could get SUFFICIENT water at present (Check appropriate one by S) Willingness to pay when Water Supply is IMPROVED (Check appropriate one by I) (Before asking, explain to the interviewee that improving water supply costs a lot of	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other up to F\$5 up to F\$10 up to F\$15 up to F\$20 up to F\$25 up to F\$30 up to F\$35 up to F\$35 up to F\$40 up to F\$45	
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Q12. Pre: Q13. Q13.1	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3 Willingness to pay for water per MONTH If the interviewee could get SUFFICIENT water at present (Check appropriate one by S) Willingness to pay when Water Supply is IMPROVED (Check appropriate one by I) (Before asking, explain to the interviewee that improving water supply costs a lot of	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other up to F\$5 up to F\$10 up to F\$15 up to F\$25 up to F\$30 up to F\$35 up to F\$35 up to F\$40 up to F\$45 up to F\$45 up to F\$45 up to F\$50	
Q12. Pre: Q13. Q13.1	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3 Willingness to pay for water per MONTH If the interviewee could get SUFFICIENT water at present (Check appropriate one by S) Willingness to pay when Water Supply is IMPROVED (Check appropriate one by I) (Before asking, explain to the interviewee that improving water supply costs a lot of	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other up to F\$5 up to F\$10 up to F\$15 up to F\$25 up to F\$30 up to F\$35 up to F\$35 up to F\$40 up to F\$45 up to F\$50 up to F\$550	
Pre: Q13. Q13.1	Willingness to be connected to New System (applicable only to those NOT being supplied by Regional system. If NO, check appropriate reason) sent Tariff of water, 1-50m3, 10.1 cents/m3 51-100m3, 29.0 cents/m3 over100m3, 55.4 cents/m3 Willingness to pay for water per MONTH If the interviewee could get SUFFICIENT water at present (Check appropriate one by S) Willingness to pay when Water Supply is IMPROVED (Check appropriate one by I) (Before asking, explain to the interviewee that improving water supply costs a lot of	(1 dum=44 gallon=200 litre) for free Less than F\$5 F\$5-10 F\$10-15 F\$15-20 F\$20-30 F\$30-40 F\$40-50 over F\$50 YES NO If NO, the REASON 1. Expensive 2. Satisfied with present condition 3. Other up to F\$5 up to F\$10 up to F\$15 up to F\$25 up to F\$30 up to F\$35 up to F\$35 up to F\$40 up to F\$45 up to F\$45 up to F\$45 up to F\$45	

Table D-4.3 FORM OF QUESTIONNAIRE FOR HOUSEHOLD (4)

Q14,1	1st Year	per YEAR	3.777 4.75	
		peritant	per YEAR	
\$ i	1. Infectious diarrhea		1 1 2 2 2	
•	2. Dysentery			•
	3. Typhoid fever			
	4. Paratyphoid fever			
	5. Epidemic typhus			
	6. Cholera			
	7. Influenza			, .
	8. Malaria			:
	9. Skin Disease			
	10. Eye Infection			the state of the state of
	11. Other Infectious disease			
Q14.2	2nd Year			
	1. Infectious diamhea			
	2. Dysentery			
1	3. Typhoid fever			: .
	4. Paratyphoid fever		-	
	5. Epidemic typhus			
	6. Cholera			·
]	7. Influenza			
	8. Malaria	:		
	9. Skin Disease	····		
	10. Eye Infection			e e compresa
	11. Other Infectious disease			A stock of the figure
Q14.3	3rd Year			
	1. Infectious diarrhea			
1	2. Dysentery			
1	3. Typhoid fever	1 11 ×		,
	4. Paratyphoid fever			
ł	5. Epidemic typhus	7		
•	6. Cholera			
1	7. Influenza		2 2 2	:
	8. Malaria			
	9. Skin Disease			,
	10. Eye Infection			
	11. Other Infectious disease			

RESULTS OF QUESTIONNAIRE SURVEY (1)

Fable D-4.4

Degree of
Adequate
Water Supilied
Rainy Dry
Season Season Adequate
Water Supply
Rainy Dry
Season Season 8 % 21 8 8 8 Emergency Water Surply Rainy Dry Season Season 워이오 Others S Rainy Dry Season Season 2 ম 8 Rainy Dry Season Season 各 285 Rainy Dry F Season Season S 5 8 8 5 윉 88888 지않 2 2 8 4 8 충 ~ 한 25 2 01 힏 |≘| 2 8 5 2 8 8 2 되었 뙹~ 8 Percentage of Water Used (%)
Piped System
Procedures
Regional System Communal System
Tube Well
Rainy
Dry Rainy Dry Rainy Dry
Carron Season Season Season Season
Season Season Season 2 2 2 2 2 ន្តន 9 8 2 S 2 8 8 8 8888 2 유유유 ន 8 # 12 30 27 2 2 1 1 1 55 -|ନ୍ଧ 15 25 5 5 20 70 70 20 requested 25 definitely planned 10 8 2 8 0 2 2 2 8 \$ 60 10 80 10 not in operation 80 10 37 not in operation 80 50 98 50 S 22 8 10 not in operation
 30 ~ 100
 future extension
 80

 40 ~ 50
 under construction
 80

 60 ~ 80
 under construction
 95

 40 ~ 80
 thrure extension
 95

 40 ~ 80
 25
 15

 50 ~ 100
 25
 15

 50 ~ 100
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 future extension 80 8 5 8 886 5 10 822 8 8 8 8 Water Comsumption (lpcd) 60~100 60~140 60~140 80~110 80~180 120~150 120~150 120~150 100~160 60~100 150~ 100~130 Popu- Nos. of lation Household
 950
 300

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 3000
 383
 1,500 3,000 5,350 683 | Ba Province | Ba Theira | Ba Vuda Tikina
V - 1 Ravitavi
V - 2 Tavazau
V - 3 Tuvu

				Percentage of Water Used (%)	Water	(%) pas															Legree of
				Piped System			Private	Private Owned Sources	OUTCOS							啞	Speckency Water		Adequate		Adequate
			Water	Regional System Communal System	tem Con	munal Syst		Tube Well	김	Dug Well	River	River/Creek	Rainwater	जिल्	임		Xlogaly.	3	Water Supply		Water Suplies
Name of Province/	Popu- Nos. of	Nos. of	Comsumption	Rainy D	Dry Ra	Rainy Dry		Ö	Rainy	ò	Rainy	Š	Rainy	>	Rainy	Dy.	_	Dry Ru	Rainy Dr	y Rainy	ny D
Tildina/Community	lation H	lation Household	(pod)	Season Sea	Season Sea	Season Season	on Season	1 Scason	n Season	Season	Season	Scason	Season	Season S	Season S	Season Se	Season Se	Season Sea	Season Season	ion Season	son Seasor
Ra Province																					
Rakiraki Tikina		-																			
R · 2 Draunivi	8	16	50~100						S.	30	20	50						. 02	0	0	
R - 4 Elington	Ŝ	88	20~90	future extension	8	2	1 10	10	68	2	20							25	12 1	-	
R - 6 Kaveli	478	88	50~100	future extension		30	20 15	15	ŝ	æ	3		۲،					15	54	35 B	B
R - 13 Nanuku	420	7.5	20 - 100			50 25	5 5	\$	45	50								20	55	30 B	B
R - 15 Narewa Village	65	24	30~80	future extension		100 30	0												100	30	В
R - 16 Nama	430	75	40~80	future extension	F		80	5	95	\$								55	\$	5	٥,
R - 19 Rabulu	361	25	40~90	future extension		not in operation	10	10	8	50		20	10					20	10	10 C	0
R - 20 Raravatu	350	53	30 - 90	future extension	ou bro	pasodoad	2		86	75								22	7	0	
R - 23 Vitawa	300	90	50~100	future extension	i		20		30	30	30					30		20	60	20 B	æ
R - 24 Vitawa Village	420	75	80~100	future extension		100	75											25 1	100	75 /	Α.
R - 25 Vitivanua	320	48	40~100		d ot	to be completed in 1993	l in 1993		8	8	જ	70						0	0	0	
R - 26 Volivoli	350	19	60~100	future extension		under construction	15	13	8	જ								20	15	15	٥
R - 27 Varnitogoloa Village	350	ક	40 - 90			98 93	3		2	2								5	5 86	33	٧
R - 31 Dociu	201	12	50-100	future extension	£		8	5	8	85			7			10		0	8	5 0	υ
R - 32 Nuculaca	246	23	50~100			50 30	ç		ŝ	ଝ								20	30	30 B	æ
R - 33 Namou	158	23	20 ~ 90	future extension	Ę	4			46	92	20							35	4	0	U
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Note: 1. Percentage of Adequate Water Supply is sum of Percentage of Regional and Communal Systems and Tube Well.

2. Degrees of Adequate Water Supplied are;

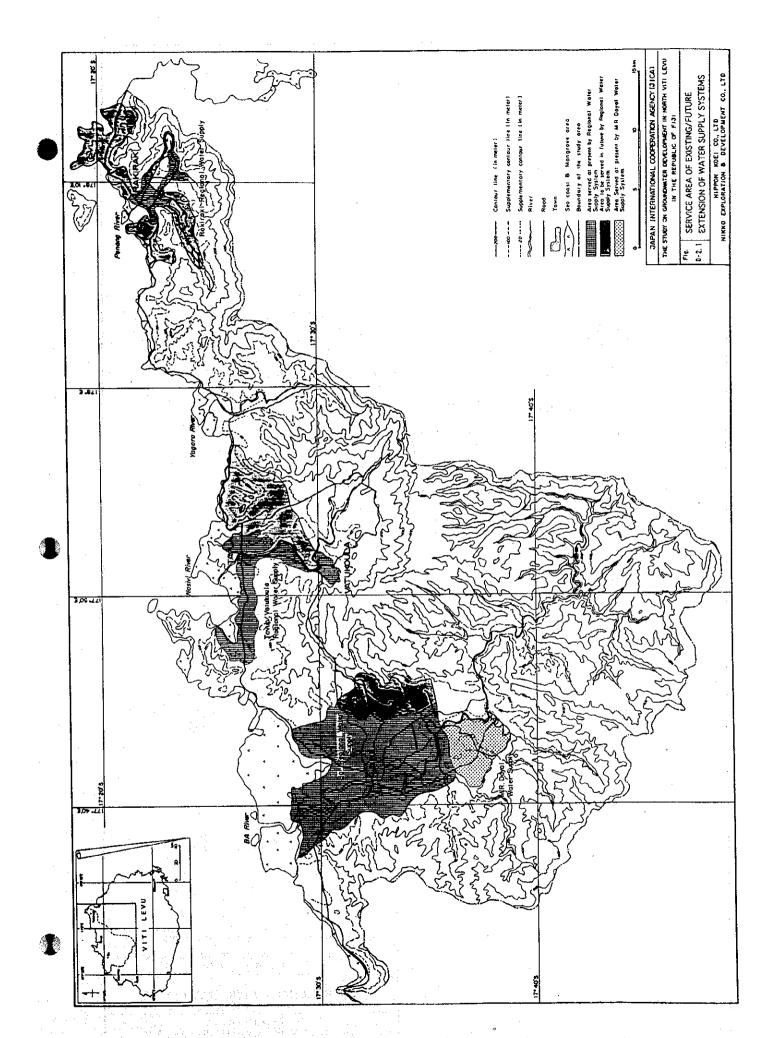
A: Modernately adequate water supply condition: Percentage of Adequate Water Supply >70

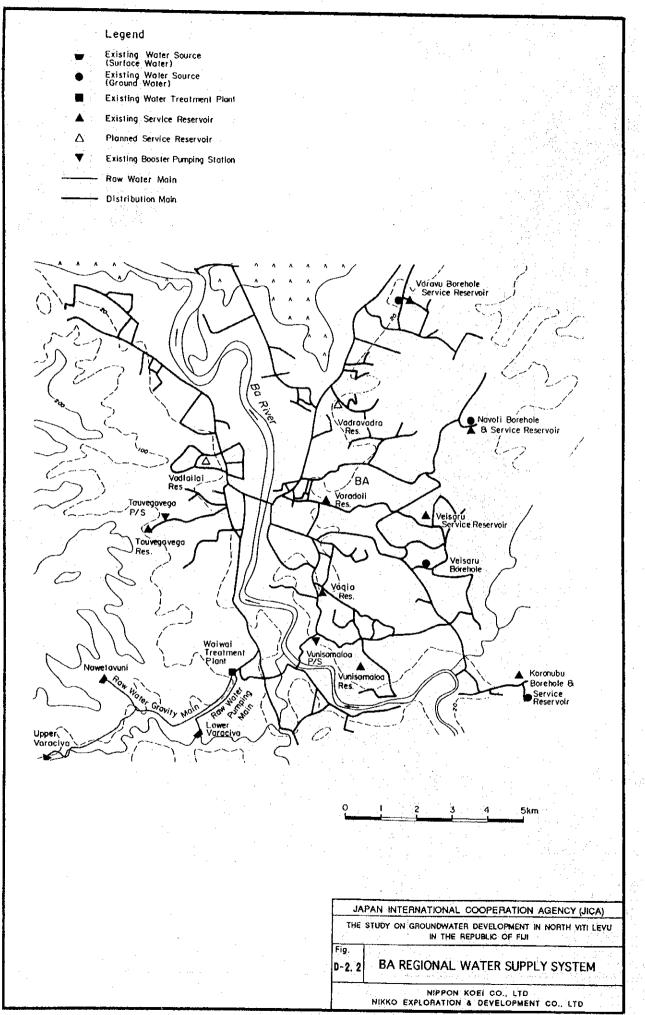
B: Poor water supply condition: 70 < Percentage of Adequate Water Supply <
C: Extremely Poor water supply condition: Percentage of Adequate Water Supply <20

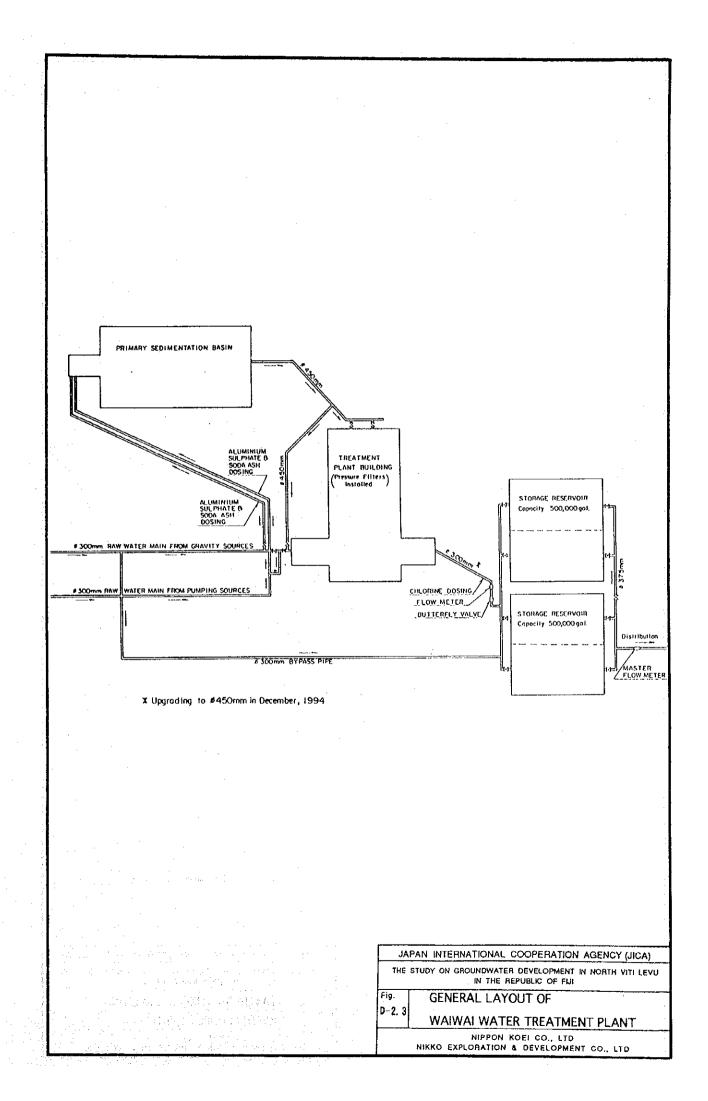
: 70 < Percentage of Adequate Water Supply <20

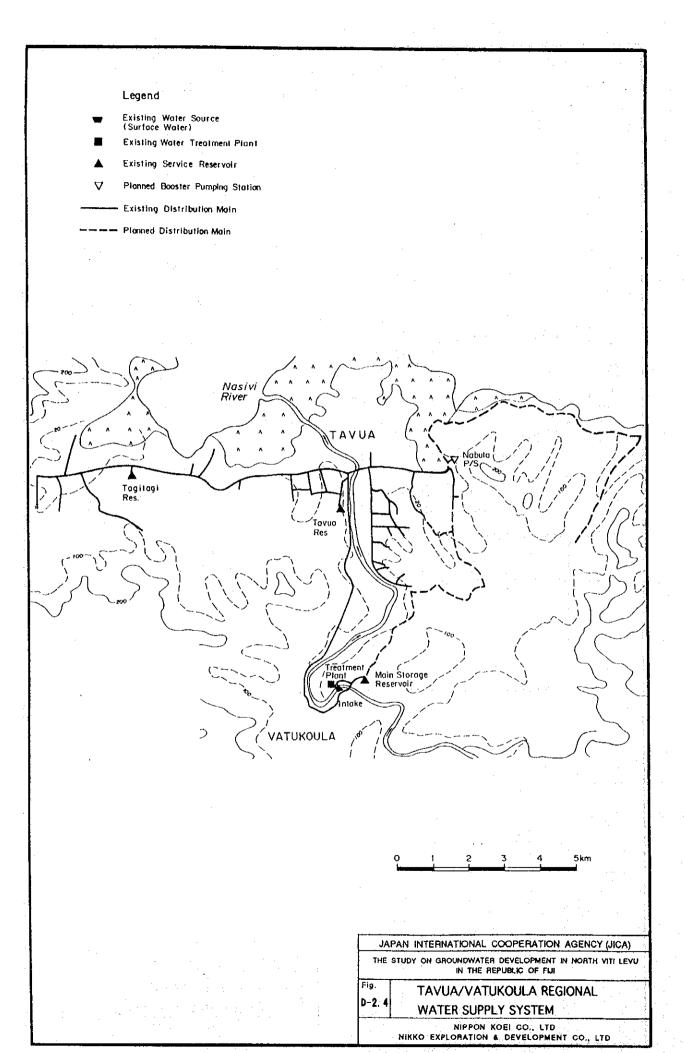
3. Information for R-25 vitivanua shown in the table is as of the year 1993.

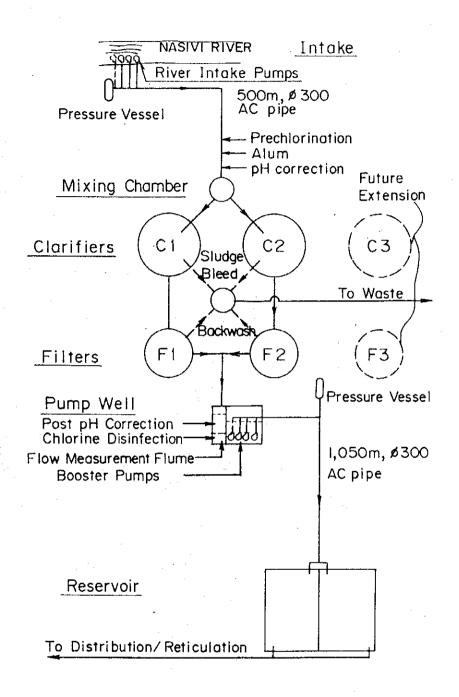
FIGURES











Source: Tavua/Vatukoula Regional Water Supply Scheme, PWD

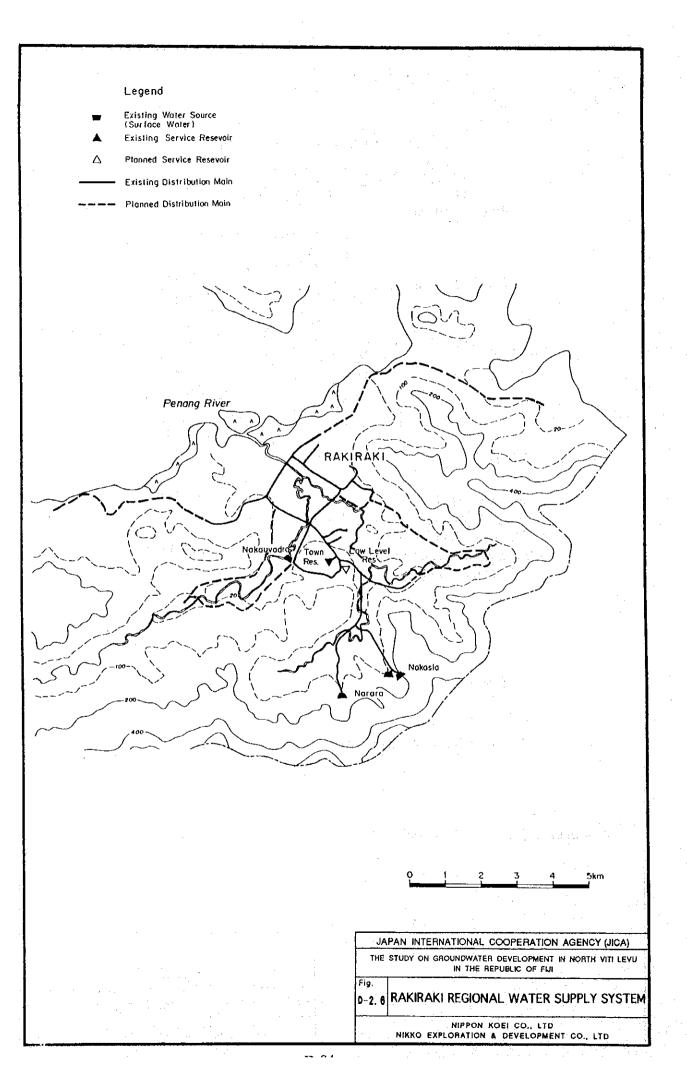
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

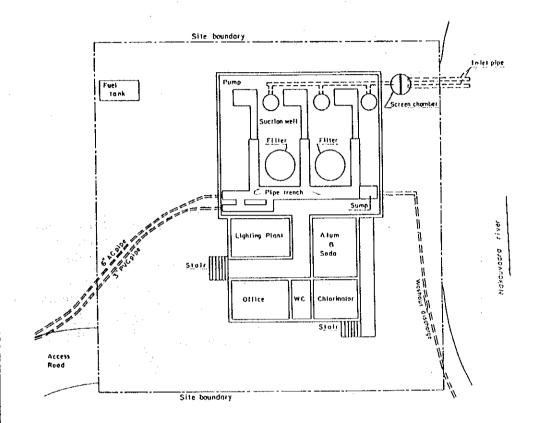
THE STUDY ON GROUNDWATER DEVELOPMENT IN NORTH VITI LEVU
IN THE REPUBLIC OF FUI

Fig.
D-2. 5

VATUKOULA REGIONAL WATER SUPPLY SYSTEM

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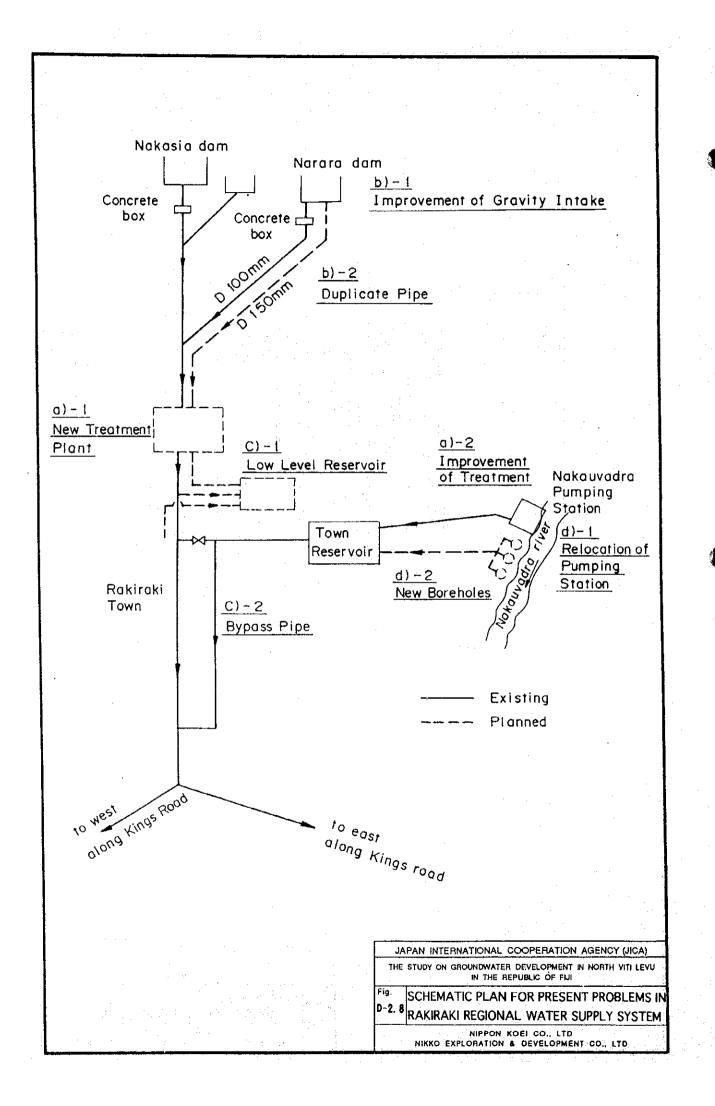
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

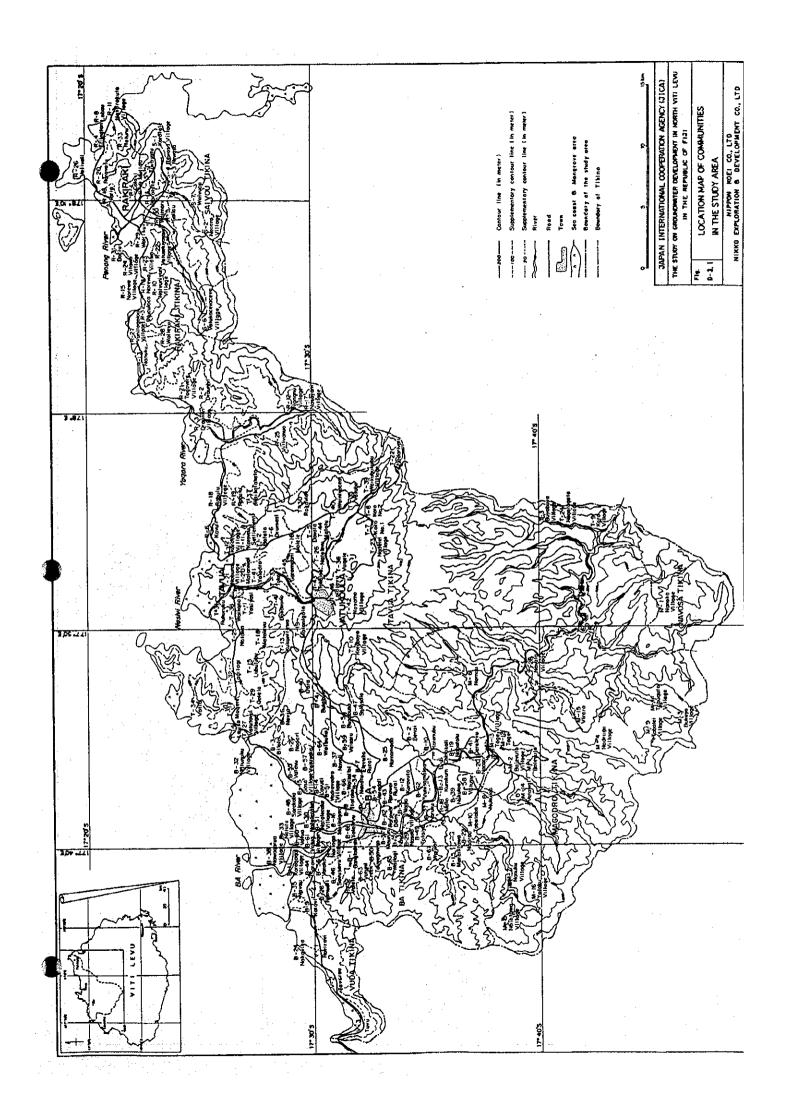
THE STUDY ON GROUNDWATER DEVELOPMENT IN NORTH VITI LEVU IN THE REPUBLIC OF FUI

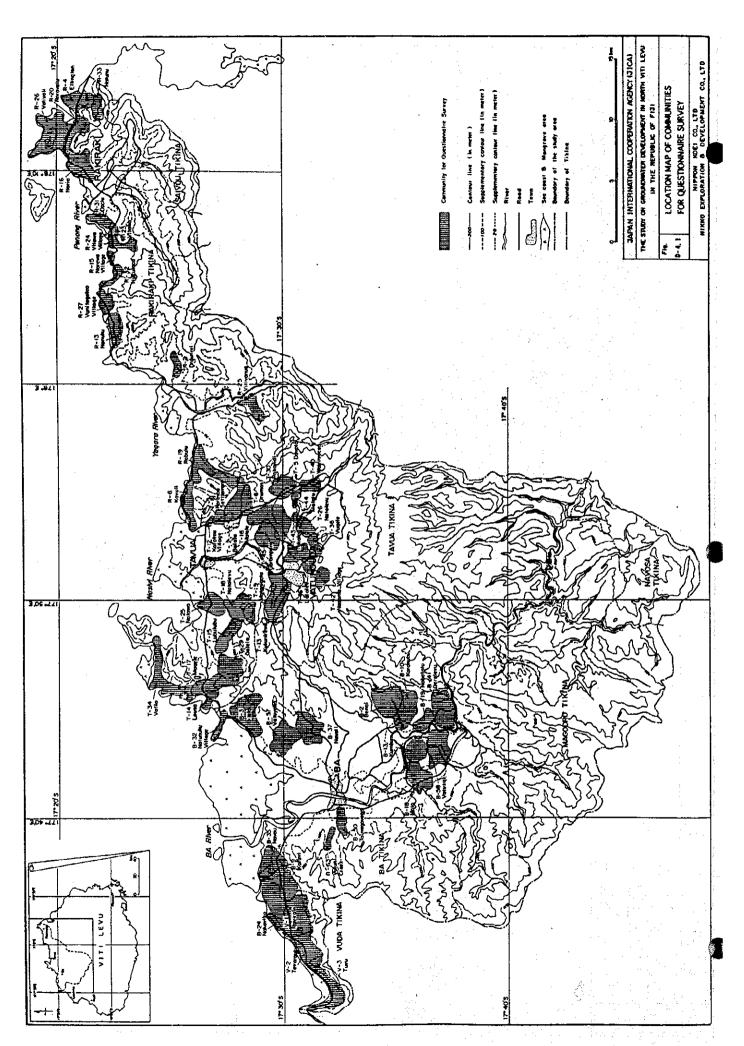
D-2. 7

GENERAL LAYOUT OF NAKAUVADRA PUMPING STATION

NIPPON KOEL CO., LTD NIKKO EXPLORATION & DEVELOPMENT CO., LTD







APPENDIX - E SOCIO-ECONOMY

APPENDIX - E

SOCIO-ECONOMY

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1. NATIONAL SOCIO-ECONOMIC BACKGROUND

1.1 Location and Administration

The Republic of Fiji is located between longitude 174 degrees east and 177 degrees west and latitude 15 and 22 degrees south, in the center of the Southeast Pacific. It is made up of 332 islands which vary in size from about 10,000 km² to tiny islets. The country occupies a total land of 18,272 km² and has a population of approximately 715,000 according to the 1986 Census.

The Republic is administratively composed of four divisions: Central, Western, Northern and Eastern. Each division is divided into several Provinces which consist of 15 units in the country as a whole. Further, the respective provinces are also divided into Districts (Tikina) ranging from 2 to 14 units. The administrative least unit is a Community (or Locality) and there are between 1 and 75 units per District.

Regional governments fall under the jurisdiction of the Central Government which is composed of the following 2 Offices and 16 Ministries (as of March 1995):

Office of Prime Minister,

Office of Attorney- General and Minister for Justice,

Ministry of Finance and Economic Development,

Ministry of Home Affairs and Immigration,

Ministry of Agriculture, Fisheries, and Forests,

Ministry of National planning, Regional Development and Multi-Ethnic Affairs,

Ministry of Foreign Affairs,

Ministry of Tourism and Civil Aviation,

Ministry of Education, Women, Culture, Science and Technology,

Ministry of Lands, Mineral Resources and Energy,

Ministry of Housing, Urban Development and Environment,

Ministry of Fijian Affairs,

Ministry of Youth, Employment Opportunities and Sports,

Ministry of Public Works, Infrastructure and Transport,

Ministry of Health and Social Welfare,

Ministry of Information, Broadcasting, and Telecommunications,

Ministry of Labour and Industrial Relations, and

Ministry of Commerce, Industry, Trade and Public Enterprises.

MRD and PWD, which are directly related to the present study, belong to the Ministry of Mineral Resources and Energy and the Ministry of Infrastructure and Public Works, respectively.

In 1993, MRD has 110 employees and is operated by seven Principal Officers under the jurisdiction of one Director and two Deputy Directors. PWD has about 4,000 employees, of which about 1,000 belong to the Water and Sewerage Section, and is operated by seven Principal Officers and three Divisional Engineers under the control of one Director and two Deputy Directors. The organization charts are illustrated in Fig. E-1.1 and Fig. E-1.2.

1.2 Population

1.2.1 Population Census

A population census of Fiji has been conducted eleven times since 1881 and the historic populations since the 1946 census are provided in Table E-1.1. The population of Fiji reached 715,375 in 1986 rising by 455,737 (about 175 %) since the 1946 census of population. For the period from 1976 to 1986, the annual growth rate was 1.98 % which was the lowest rate of the historic intercensal annual growth rates since 1946.

In the 1986 Census, Fijians and Indians which are the two major ethnic origins, recorded populations of 329,305 and 348,704, or 46.0 % and 48.7 % of the total population, respectively.

Table E-1.2 presents a regional distribution of the population as of 1986. Among the four Divisions, the Western Division had the greatest population of 284,349, or about 40 % of the total population. Following the Western Division, the Central Division had a population of 260,110, or 36 %. Generally, the Central Division has many of Fijians and other ethics except Indians, while in the Western Division Indians account for the greater number of the population.

In 1986 the urban population in Fiji amounted to 277,025, at an annual growth of 2.4 % during the period 1976-1986, of which the Fijian population recorded a high growth rate of 3.1 % per annum. The urban population accounted for 38.7 % of Fiji's population in 1986, as against 37.2 % in 1976. The ethnic distribution of the urban population in 1986 was 38.9 % for the Fijians, 52.2 % for the Indians, and 8.9 % for others (Table E-1.3).

1.2.2 Population Projections

A population projection was carried out based on some assumptions on fertility, mortality and migration by the Bureau of Statistics, who expects that it will be useful in the formulation and implementation of national plans and policies.

The projections were made for component populations, such as the Fijians, Indians, and other ethnics, under three different variants; high, medium, and low. These were prepared for males and females by five- year age groups and at five-year intervals, starting from the base year of 1986 and finishing in 2011. The results are shown in Table E-1.4 and are summarized using the medium variant as follows:

Summary of Population Projections (Medium Variant)

Year	Fijians	Indians	Others	Total Growth	Annual Rate(%)
1986	329,303	348,704	37,366	715,37	
1991	366,291	345,371	37,819	749,481	0.94
1996	405,446	354,457	40,075	799,978	1.31
2001	443,757	362,189	42,217	848,163	1.18
2006	481,309	370,334	44,235	895,878	1.10
2011	517,224	378,451	46,166	941,841	1.01

According to these projections, it is expected that Fiji's population will be approximately 942,000 in 2011 with an increase of 227,000 since the 1986 population census. The population growth for this period shows relatively low rates ranging from 0.94 % to 1.31 % per annum, and it is noticeable that the Indian population has declined during the period 1986-1991, and that after 1991 Fijians will exceed Indians in the population.

1.2.3 Labor Force

The population aged 15 years and above increased to 441,912 in 1986 from 346,061 in 1976, and the proportion of this population to the total population also rose to 61.8 % in 1986 from 58.9 % in 1976.

Of the population of 15 years and over in the year 1986, the economically active population amounted to 241,160, which was composed of males 189,929 and females 51,231. These active populations rose by 37 % in total, 30 % for males and 74 % for females, compared to the respective active populations in 1976. It is noticeable that the economically active population of females increased considerably during the intercensal period 1976-1986. Details are provided in Tables E-1.5 and E-1.6.

Table E-1.7 presents a distribution of the economically active population by industrial origin in 1976 and 1986. As Fiji is a traditionally agricultural country, 44 % of the total economically active population was occupied in the agricultural sector for the intercensal period 1976-1986. In 1986, the agricultural sector had 106,305 of the total active population, and followed by the services sector with 36,619 of the active population.

1.3 Gross Domestic Product (GDP)

The Fiji's GDP at current prices amounted to F\$ 1,955 millions in 1991, an increase at the average annual rate of 8.1 % from F\$ 1,329 millions in 1987. The per capita GDP also grew at a high annual rate of 7.4 % on average during the same period and amounted to F\$ 2,635 in 1991. However, the real average growth rates were only 2.7 % and 1.9 % per annum for the same period, respectively (Table E-1.8).

Agriculture, including forestry and fishing, which is the major economic activity sector of Fiji, accounted for about 20 % of the total GDP each year during the period 1985-1989. The average annual growth rate was 11 % during the same period (Table E-1.9).

Of the agricultural sector, sugar cane production has made the greatest contribution to the stable economic growth of this sector. In terms of GDP, the share of sugar cane in the agricultural sector accounted for 30 % to 40 % during the period 1985-1989, and the average annual growth rate was about 30 %.

In Fiji, tourism is also an important sector with a high economic growth. Therefore, the trade, hotel, restaurant, and cafe industries related to tourism accounted for a high share of GDP, ranging from 15 % to 23 % of the total GDP. The average growth rate of these industries in relation to GDP was 16 % per annum during the period 1985-1989.

1.4 Industries

1.4.1 Agriculture and Agricultural Industry

The major agricultural products of Fiji are sugar cane, copra, paddy, tobacco, cocoa, ginger, fish, and edible animals. Of these, productions of copra, tobacco, ginger and chicken showed high growth at the average annual rate of 13.1 %, 16.9 %, 11.3 % and 15.2 %, respectively, during the period 1988-1992. While, the productions of paddy and beef decreased during the same period (See A of Table E-1.10).

The processed agricultural products are represented by sugar, coconut oil, flour, butter, cigarettes, and stockfeed. Among them, coconut oil and stockfeed achieved high growth at an annual rate of 12.5 % and 9.0 %, respectively during the same period, and respective productions amounted to 9,234 tonnes and 24,601 tonnes in 1992 (See B of Table E-1.10).

Of all the products in Fiji, sugar cane and sugar are the most important agricultural products. The sugar cane production of Fiji rose at an annual rate of 3.8 % during the period 1988-1992, and in 1992 the production reached 3,533 thousand tonnes with its harvested area of 73 thousand hectares, 48.6 tonnes/ha.

In 1992, the input of sugar cane per ton of sugar showed 8.3 tonnes which was somewhat low compared to 8.8 tonnes in 1988. Nevertheless, sugar production rose at an average annual rate of 5.1 % which was higher than the rate of sugar cane production during the same period, due to improvement of its production process. As a result, the 1992 production of sugar amounted to 426 thousand tonnes an increase of 63 thousand tones compared to the 1988 production (Table E-1.11).

1.4.2 Manufacturing Industry

The major manufacturing industrial products of Fiji are gold, silver, cement, beer, paints, soap, soft drinks, etc. Of these, productions of silver, cement and soft drinks showed a considerably high increase rate of 26.4 %, 18.4 % and 20.2 % per annum respectively during the period 1988-1992. Gold is among the significant traditional products of Fiji, but its production was in decline during the same period (Table E-1.12).

1.4.3 Tourism

Tourism, together with the sugar industry, is one of the most important industries of Fiji for earning foreign currencies. In 1992, visitor arrivals in Fiji were 278,534, of which 82 % were on vacation. During the period 1988-1992, the arrivals increased at an annual rate of 8.0 % on average (Table E-1.13).

Of these tourists, 31.4 % were Australians, 13.4 % New Zealanders, 12.9 % Japanese, 12.5 % Americans and 6.0 % British in order of number in 1992. It is noticeable that among the whole visitors Japanese visitors increased at the highest annual rate of 104.6 % on average during the period from 1988 to 1992 (Table E-1.14).

Table E-1.15 provides actual situations of capacity and occupancy of hotels in Fiji for the period 1988-1992. During this period, the bed and room capacity of hotels increased at the annual rate of 1.4 % and 2.1 % respectively, with a total of 4,370,303 beds and 1,625,609 rooms in 1992. Of these capacities, the occupancies were 1,650,194 of beds and 834,630 of rooms, corresponded to 51.3 % and 37.8 % of the respective total capacities in the same year.

1.5 External Trade and Payments

1.5.1 Export

In 1992, Fiji's exports amounted to F\$ 653,281 thousand, of which domestic exports and re-exports were F\$ 541,745 thousand and F\$ 111,536 thousand, respectively. During the period 1988-1992, an annual growth rate showed 6.1 % on average (Table E-1.16). Principal commodities of the domestic export are sugar, fish, molasses, cork & wood, garments and gold (Table E-1.17).

The exports of sugar, which ranks first and has share of nearly 40 % in value among the domestic export commodities, amounted to F\$ 221,281 thousand in 1992 on the increase by F\$ 22,934 thousand compared with the 1988 exports, but its quantity in 1992 decreased somewhat compared to 1988. However, an average annual growth rate of sugar exports showed 3.0 % during the period 1988-1992, due to the rise in prices in the world. Following sugar, garments and gold rank second and third respectively with F\$ 105,543 thousand and F\$ 60,723 thousand of exports in 1992.

1.5.2 Import

Fiji's imports amounted to F\$ 938,448 thousand in 1992 on the increase at an average annual rate of 11.0 % since 1988. Major import commodities of Fiji are manufactured goods, machinery, food, mineral fuel, chemicals, etc. (refer to Tables E-1.16 and E-1.18).

Among them, manufactured goods and machinery showed F\$ 233,695 thousand and F\$ 231,867 thousand, respectively, or the proportion to the total imports was about 25 % each. An average annual growth rate of imports was 11.8 % for the manufactured goods and 21.1 % for the machinery, during the period 1988-1992.

1.5.3 Balance of External Trade and Payments

External trade balance of Fiji showed a deficit for every year during the period 1988-1992. Its deficit amount per annum was F\$ 260 million on average as shown in Table E-1.16. However, this trade deficit has been compensated by services account of tourism and others. As a result, the total balance of trade and services accounts came to plus of F\$ 36.5 millions in 1991 and F\$ 51.8 millions in 1992.

Nevertheless, the current account balance showed a deficit in 1990, 1991 and 1992, due to the unfavorable balance of accounts of investments and private transfers. The deficit of the current account balance was also compensated by capital account in each year, accordingly the international payments of Fiji came to a favorable balance since 1990 as shown in Table E-1.19.

1.6 Government Finance

1.6.1 Revenue and Expenditure of the Central Government

In 1992, the revenue and expenditure of the Central Government amounted to F\$ 550,588 thousand and F\$ 600,616 thousand on the increase at the annual rates of 9.4 % and 8.5 % respectively, during the period 1988-1992 (Table E-1.20).

The revenue of the Central Government is represented by two items; (1) income tax and estate and gift duties, and (2) customs and port duties. In 1992, revenue from the former amounted to F\$ 245,916 thousand (45 % of the total revenue). Revenue from the latter amounted to F\$ 198,733 thousand (36 % of the total revenue). The

annual rise rates of both revenues were 14.1 % and 9.4 % on average respectively, during the period 1988-1992 (Table E-1.21).

On the other hand, expenditure of the Central Government consists mainly of departmental expenditure and public debt charge. In 1992, these expenditures were F\$ 451,238 thousand and F\$ 123,544 thousand which accounted for 75 % and 20 % of the total expenditure, respectively. During the period 1988-1992, the former was rising at an average annual rate of 15 %, while the latter was decreasing at an average annual rate of minus 5 % (Table E-1.22).

1.6.2 Budgets of MLMRE, MRD and PWD

The Ministry of Lands, Mineral Resources and Energy (MLMRE) is composed of three Departments; Department of Lands, Mineral Resources Department (MRD) and Department of Energy. On the other hand, Ministry of Public Works has only one Department; Public Works Department (PWD).

Table E-1.23 provides budgets of MLMRE, MRD and PWD. During the period 1989-1993, these budgets grew a high average annual rate of 17.7 %, 18.2 % and 14.9 %, and in 1993 they amounted to F\$ 13,792 thousand, F\$ 2,977 thousand and F\$ 100,677 thousand, respectively.

1.7 Infrastructures

1.7.1 Road

In 1986, the total road length of Fiji amounted to 4,839 km consisting of 1,302 km of the main roads, 643 km of the secondary roads, 2,678 km of the residential roads and 106 km of other roads. In the Viti Levu island, the main roads are represented by Kings Road and Queens Road, which are 486 km in length and run the circumference of the island.

The road distribution by division in the country uniforms comparatively, consist of 1,525 km in the Central and Eastern Divisions, 1,676 km in the Western Division and 1,638 km in the Northern Division (Table E-1.24).

1.7.2 Electricity

At present, electricity in Fiji is supplied for about 50 % of the total number of households, composed of 75 % in urban areas and 30 % in rural areas. The Fiji Electricity Authority (FEA), which was established in 1966 under the Electricity Act of Fiji, provides nearly 95 % of the whole power supply in Fiji.

In 1990, the FEA produced 414,152 MWh of electrical energy on the increase by 6.62 % compared to previous year, of which 389,545 MWh (94 %) were produced in hydropower stations, 21,606 MWh (5 %) in thermal power stations, and the remaining 3,001 MWh were purchased from abroad. The electricity consumed in 1990 was 368,943 MWh except 6,015 MWh of station usage and 39,194 MWh of line losses (Table E-1.25).

The electricity consumed in 1992 amounted to 376,586 MWh on the increase by 7,644 MWh as against the 1990 consumption. Of the 1992 consumption, 289,613 MWh were for commercial use, 81,818 MWh for domestic use and 5,155 MWh for other use. During the period 1988-1992, the electricity consumed in Fiji was increased at an average annual rate of 4 % (Table E-1.26).

1.8 Wage and Prices

According to the wage statistics of Fiji, the labor wage in Fiji was F\$ 12.64 per day on average for all industries in 1989, and its average growth showed a low annual rate of 1.3 % during the period 1985-1989. Of all industries, the electricity sector showed the maximum daily wage of F\$ 15.60 in the same year, and the minimum was F\$ 11.36 in the manufacturing sector and F\$ 11.92 for the agricultural sector (Table E-1.27).

Table E-1.28 shows the consumer price index of Fiji for the period from 1988 to 1992. Annual inflation rate for general prices recorded 6.4 % on average for the said period, of which the service and housing sectors showed comparatively high inflation rates of 10.8 % and 9.9 % per annum, respectively.

In recent years, the inflation in Fiji was showing a tendency to be rather higher than the wage rise. Therefore people suffered an inevitable decline in their standard of living.

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2. SOCIO-ECONOMIC CONDITIONS IN THE STUDY AREA

2.1 General

The socio-economic conditions the Study Area would be described based mainly on a result of questionnaire survey, because the regional socio-economic data, except population statistics, are unavailable.

The questionnaire survey was carried out by the JICA Study Team in cooperation with the Fiji counterpart personnel, in terms of the existing socio-economic conditions related to the water supply and consumption in the Study Area during the period from July to September 1993.

The survey was carried out on 59 communities, where the water supply appeared to be insufficient, consisting of 16 communities in Ba Tikina, 24 in Tavua Tikina, 3 communities in Vuda Tikina, and 16 in Rakiraki Tikina. In addition to the implementation of this survey according to community, a fact-finding inquiry regarding the economy of households was conducted for 179 households, at an average rate of three households per community.

The socio-economic conditions of communities in the survey area would be described in Section 2.3 of this Chapter. Data on socio-economic conditions were provided in Tables E-2.3 to E-2.9, of which Tables E-2.3 to E-2.6 provide data according to community, which were mainly attained from the leader(s) of each community. The other Tables E-2.7 to E-2.9 provide information regarding typical households, which was obtained from the husbands, wives, children or other staff of the households.

The Study Area is situated on the northern coastal area of Viti Levu which is the largest island with an area of 10,429 km², and stretches over the Ba and Ra Provinces in the Western Division. It has a total land of 1,567.6 km², and contains all of the Ba District and most of the Magodro and Tavua Districts in the Ba Province and most of the Rakiraki District and a part of the Saivou District in the Ra Province.

2.2 Regional Population

Table E-2.1 presents the population of each province related to urban, rural, and ethnic origin in 1986. Ba and Ra Provinces, which include the Study Area, had populations of 197,633 and 31,285, respectively. The total population of both Provinces, 228,918, accounted for 32 % of Fiji's population, consisting of 71,567

(31 %) Fijians, 151,781 (66 %) Indians, and 5,570 (3 %) others. The urban and rural populations in both Provinces were 74,914 and 154,004 in 1986, respectively, or the ratio of the urban to the rural was 1:2 approximately.

The Study Area expands over five Districts, that is, Ba, Magodro, and Tavua Districts in the Ba Province, and Rakiraki and Saivou Districts in the Ra Province. Table E-2.2 shows the population, number of households, and average family size in 1986 by community in each District and by ethnic origin. The contents of the table are summarized as follows:

Population, Number of Households, and Average Family Size in Districts Related to the Study Area, 1986

Province/ District	Population	Number of Household	Average Family Size (persons/hh)
Ba Province:			
Ba Dist.	44,416	7,675	5.8
Magodro Dist.	6,107	960	6.4
Tavua Dist.	25,509	4,325	5.9
Total	76,032	12,960	5.9
Ra Province:		•	
Rakiraki Dist.	15,325	2,690	5.7
Saivou Dist.	7,109	1,163	6.1
Total	22,434	3,853	5.8
Total in Study Area	98,466	16,813	5.9

In 1986, the Study Area had an approximate population of 98,500 with 16,800 households. The family size was 5.9 persons/hh on average, consisting of 6.1 persons/hh for the Fijians, 5.8 persons/hh for the Indians, and 4.9 persons/hh for other ethnics.

2.3 Actual Socio-economic Conditions of Communities

2.3.1 Population, Number of Households and Family Size

According to the 1986 Census, the population and number of households were 25,933 and 4,448 for 51 communities (except 8 communities where the population

figures are unavailable), respectively. As a result the average family size is 5.83 persons per household. The size of families in 1986 is nearly equivalent to the average figure for the Study Area (see Table in Section 2.2).

The population, number of households and family size in each community are presented in Table E-2.3, and the figures for Tikina are summarized as below:

No.	Name of Tikina	Number of Communities	Population	Number of Households	Family Size (p/hh)
1	Ba	16	9,129	1,548	5.90
2	Tavua	19	8,327	1,403	5.94
3	Vuda	3	3,589	657	5.46
4	Rakiraki	13	4,888	840	5.82
Total	(Average)	51	25,933	4,448	5.83

Data source: Population Census of 1986

2.3.2 Main Occupations and Average Income of Households

Table E-2.4 shows the distribution of the main occupations and average income per household in the said 59 communities. The households are mainly sugarcane plantations. The households which engage in agricultural activities (including fishery) account for 82 % of the total number of households, where 66 % are self-employed and 16 % are wage labourers. The distribution of occupations according to the Tikina is summarized below:

1 Ba 2 Ta		Wage	Labor	Self-en	Others	
	Name of Tikina	ame of Business & Agriculture Business & Commerce Commerce		Business & Commerce	Agriculture	t w
1	Ва	8	2	1	75	13
2	Tavua	8	2	8	46	10
3	Vuda	4 .	3	1	82	0
4	Rakiraki	17	16	3	63	0
	Whole	11	16	3	66	4

Unit: Percent

In the distribution of household occupations shown in Table E-2.4, the other occupations in the Nakavika and Natunuka Villages account for 80 % or more of the total number of occupations. Most of them were non-wage occupations or jobless.

The Study Area is one of the poorest areas in Fiji. The average monthly income per household in the survey area in 1992 was estimated at F\$ 124 (equivalent approximately to the per capita income of F\$ 280), consisting of F\$ 74 in Ba Tikina, F\$ 147 in Tavua Tikina, F\$ 80 in Vuda Tikina, and F\$ 150 in Rakiraki Tikina. These incomes are quite low compared to the average GDP per capita of F\$ 1,200 of Fiji in 1992.

2.3.3 Consumption and Sources of Domestic Water

Domestic water Consumption in 1992, based on information obtained from the leaders of 59 communities, was estimated at 82 lpcd (litter/capita/day) on an average and ranges from 20 to 200 lpcd for the 59 communities, as shown in Table E-2.3. The average amount of water consumed according to community is summarized below:

No	Name of	Number of	Water	Ratio of Population Served (%					
	Tikina	Communities	Consumption	on Rainy Season		Dry Season			
. <u></u>			(1pcd)	R	C	Q	R	C	0
1	Ba	16	92	18	21	61	12	17	71
2	Tavua	24	78	5	25	70	4	11	85
3	Vuda	3	115	0	31	69	0	31	69
4	Rakiraki	16	71	0	31	69	0	14	86
L	the second	e i de la companya d							
	Total	59	82	7	26	67	5	15	80

Note: R = Regional water supply system

C = Communal water supply system

O = Other water sources such as roof tanks, dug wells, tube wells, creeks, rivers, springs, emergency water supplies, etc.

The percentage of water sources used by households is 7 % for the regional water supply system, 26 % for the communal water supply system and 67 % for other water sources in the rainy season. On the other hand, in the dry season the percentages are 5 %, 15 % and 80 %, respectively.

As is obvious from the figures shown in the table above, the use of other water sources, except the systems, increases in the dry season more so than in the rainy season because of the decrease in water volume supplied by the systems. The utility rates of several water sources were calculated using other information obtained through questionnaire handed out to 179 households, as shown in the succeeding Section 2.3.4.

2.3.4 Distance to Water Sources and Hours Spent Fetching Water

Based on information obtained from the leaders of respective communities, the average distance from households to the water sources and the average hours spent fetching water for the households are provided in Table E-2.5.

(1) Distance to water sources

In areas with regional and communal water supply systems, the distance from a household to a water source is nearly zero meters because these systems are directly connected to the houses. In areas without water supply systems, the distance to water sources is 194 meters in the rainy season and 903 meters in the dry season on an average for the 59 communities in the survey area (Table E-2.5).

Inhabitants in areas without water supply systems have to use water sources such as dug wells, tube wells, rivers, creeks, springs, roof tanks for rain water, and emergency water supplies from PWD. According to information obtained through the questionnaires handed out to 179 households in the said 59 communities, the average distance to these water sources, except roof tanks and emergency water supplies, depends on the rainy and dry seasons, as shown in Tables E-2.7 and E-2.8. The average distance for the 179 households as a whole, are summarized according to water source below:

Average Distance from Households to Water Sources

Seasons	Water Sources								
Seasons	D.W.	T.W.	R.C.S.	Others	1.				
Rainy Seas	son	214	15	582	1,361				
Dry Seaso		360	24	1,468	3,125				

Note: Unit: meter

D.W. = Dug Wells T.W. = Tube Wells

R.C.S. = Rivers, Creeks and Springs

Others = supply from relatives, acquaintances, etc.

It is noteworthy that the average distance to R.C.S. and Other sources in the dry season is over twice the distance in the rainy season.

(2) Hours spent fetching Water

Based on information obtained from the leaders of the 59 communities, the average amount of time, which the inhabitants of areas without water supply systems spend fetching daily water, was estimated at 0.8 hours/day/household (for an average distance of 194 m) in the rainy season and 2.0 hours/day/household (for an average distance of 903 m) in the dry season. In addition, emergency water was supplied by PWD's water wagons to about 25 (42 %) of the 59 communities, for 5 or 6 months during the dry season between 1990-1992.

On the other hand, according to information obtained through the questionnaires handed out to 179 households, the average number of hours spent fetching water was 1.3 hours/day/household in the rainy season and 2.3 hours/day/household in the dry season. (These indicate somewhat larger figures than results of the information obtained from the leaders of the communities). These averages are estimated based on the frequency of use and the average number of hours spent fetching water from each water source, as shown below:

items	Water Sources										
	R.S	,	C.S.	R.T.	D.W.	T.W.	R.C.S.	Emer.	Others		
Frequency of	of us	se(%)	<u> </u>								
Rainy Seaso	n	4	19	17	34	7	15	0	4		
Dry Season		3	9	0	21	6	31	25	5		
Average nu	mbe	r of l	nours spe	nt feto	hing w	<u>ater</u>					
Rainy Seaso	n	0	0	0	1.2	0.2	2.1	0	1.2		
Dry Season		0	0	0	1.5	0.3	2.9	0	3.1		
							· · · · · · · · · · · · · · · · · · ·				

In the dry season, the utility rates of the regional and communal water supply systems were reduced and the use of water from non-system water sources such as rivers, creeks, springs and emergency supplies increased remarkably, especially the utility rate of the emergency water supplies which amounted to 25 % of the total amount used.

2.3.5 Consciousness of Inhabitants with Regard to the Existing Water Supply

According to information obtained from the leaders of the 59 communities, almost all of the inhabitants are dissatisfied with the existing water supply. Table E-2.6 presents the results of the inhabitant-consciousness survey for the existing water supply, and a summary according to each Tikina in the survey area is provided below:

As seen in the Following table, more than 90 % of the total number of inhabitants are dissatisfied with the insufficient amount of water supplied, and 42 % of the inhabitants feel that at present, the water supply costs are expensive, including the cost of operating motors for drawing water from wells, many hours spent fetching water from the water sources, cost of obtaining water from buyers, etc. in areas without water supply system.

Consciousness of Inhabitants with Regard to the Existing Water Supply

Number	Name of Tikina	Satisfaction (%)		U	nsatisfaction	on (%)	
un en en <u>E</u> man un e			Poor quality	Low press.	Unstabl	e Insufficient E quantity	xpensive
1.	Ba	0	69	63	44	100	25
2.	Tavua	0	67	29	100	88	54
3.	Vuda	0	100	33	100	67	67
4.	Rakiraki	0	19	13	100	100	38
Average		0	56	34	85	93	42

2.3.6 Women's Activities

The activities of housewives were examined using questionnaires handed out to the leaders of 55 communities (except 4 communities without available data). The results according to community are provided in Table E-2.6 and are summarized according to each Tikina in the following table:

Number	Name of Tikina	Activi	Activities of Housewives (hours/day)							
		Cooking, Cleaning, & Washing	Farming & Other Activities	Rest & Sleeping						
1.	Ba	12.1	3.0	8.9						
2.	Tavua	8.8	4.3	10.9						
3.	Vuda	12.0	3.0	9.0						
4.	Rakiraki	7.3	4.0	12.7						
Average		9.5	3.8	10.7						

As seen in table above, housewives in the survey area spend an average of 3.8 hours per day engaging in farming and other activities. Of those, housewives in Tavua and Rakiraki Tikinas spend longer hours engaging in farming or other activities than those in Ba and Vuda Tikinas. It may be due to the fact that the ratio of farming wage labour households to the total number of households in the former two Tikinas is higher than that of the latter two Tikinas (Table E-2.4), and that many housewives of the wage labour households are involved in farming activities during the day.

2.3.7 Waterborne Diseases

The number of cases of waterborne diseases, according to information obtained from the leaders of 59 communities, was estimated at 27,000 persons per annum on an average for the period between 1990 and 1992. This corresponds approximately to one case/person/year. The number of cases according to community is presented in Table E-2.6, and is summarized according to each Tikina below:

	Name of Tikina	Census Population in 1986	Number of Waterborne Diseases (Persons/year)				
•	*		Cases	Deaths			
1.	Ba	9,129	2,100	. 0			
2.	Tavua	8,327	17,549	9			
3.	Vuda	3,589	0	0			
4.	Rakiraki	4,888	7,340	0.			
•				1.7.4			
Total		25,933	26,985	9			

Of the Tikinas, Tavua Tikina had a comparative number of waterborne disease cases, about 2 cases per person, and the number of deaths was 9 persons per annum (the name of the disease is unclear). However, almost all of these cases are simple diarrhea cases, and in general a good sanitary conditions are being maintained in these areas, except Tavua Tikina.

2.3.8 Water Cost per Household and Willingness to Pay

The monthly cost of fetching water per household and the willingness of the inhabitants to pay for water supplied from the system was examined using questionnaires handed out to 179 households in the 59 communities. As a result, 166 samples for the water cost per household and 174 samples for the willingness to pay were obtained.

(1) Water cost per household

In each area the monthly cost of fetching water per household is indicated in Table E-2.9, and the average distribution according to each Tikina is summarized in the following table:

NI1	Name		Water (Cost p	ег Но	useho	ld (F\$			<u>Percent</u>
Num	ber of Tikina	Free	under 5	Ś- 10	10- 15	15- 20	20- 30		40- 50	over 50
1.	Ba	71	16	5	0	3	5	0	0	0
2.	Tavua	38	13	13	13	11	3	7	3	1
3.	Vuda	.0	67	22	0	0	0	11	0	0
4.	Rakiraki	43	57	0	0	0	0	0	0	0
		:		٠	1.1	100		340	e et i	
	Average	45	29	8	5	5	2	_4	1	1

From the figures shown in the table above, the average monthly cost of fetching water per household is estimated at F\$ 3.0 for the Ba Tikina, F\$ 10.1 for the Tavua Tikina, F\$ 8.9 for the Vuda Tikina, F\$ 2.9 for the Rakiraki Tikina and F\$ 6.4 for the whole survey area. These costs correspond to 4.0 %, 6.9 %, 11.1 %, 1.9 %, and 5.2 % of the average monthly income of households, respectively.

As stated above, the ratio of the water cost to the household income is comparatively high, especially in the Tavua and Vuda Tikinas. It is generally desired that this percentage not be more than 5 %.

(2) Willingness to pay

The willingness to pay for water supplied from the systems, which was examined using a sample of 174 households (except unavailable data for 5 households) is shown in Table E-2.9, and is summarized according to each Tikina below:

Number	Name of	Willingness to pay (F\$/Month/HH)									
	Tikina	under	5-	10-	15-	20-	25-	30-	over		
		5	10	15	20	25	30	35	35		
1.	Ba	86	14	0	0	0	0	0	0		
2.	Tavua	18	32	25	14	6	4	0	0		
3.	Vuda	78	22	0	0	0	0	0	0		
4.	Rakiraki	27	73	0	0	0	0	0	0		
	Average	43	37	10	6	2	2_	0	0		

Unit: percent

The "Willingness to pay" of households is estimated at F\$ 5.4 on an average per month for the Ba Tikina, F\$ 11.4 for the Tavua Tikina, F\$ 5.6 for the Vuda Tikina, F\$ 6.8 for the Rakiraki Tikina, and F\$ 8.2 for the whole survey area. These seem to be fairly high amount, judging from what the actual monthly payment is F\$ 2 or 3 per household with the water supply system in Ba and Ra Provinces.

The amounts mentioned above for the "willingness to pay" correspond to 7.3 %, 7.8 %, 7.0 %, 4.5 % and 6.6 % of the average monthly income of households, respectively. These high shares of the households' finance prove to be rather burdensome for households.

TABLES

Table E-1.1 POPULATION BY ETHNIC ORIGIN AND SEX IN SUCCESSIVE CENSUSES, 1946 - 1986

51 · 1 · 0 · 1 · 1	6			Average A	unnual Gro	wth Rate (%)			
Ethnic Origin	Sex	1946	1956	1966	1976	1986	1946-	1956-	1966-	1976-
·		2 Oct.	26 Sep.	12 Sep.	13 Ѕер.	31 Aug.	1956	1966	1976	1986
Chinese	Male	2,105	2,624	2,910	2,503	2,546	2.23	1.04	-1.50	0.17
	Female	769	1,531	2,239	2,149	2,238	7.13	3.87	-0.41	0.41
	Total	2,874	4,155	5,149	4,652	4,784	3.75	2.17	-1.01	0.28
European	Malc	2,467	3,374	3,427	2,605	2,240	3.18	0.16	-2.71	-1.50
•	Female	2,127	3,028	3,163	2,324	1,956	3.60	0.44	-3.04	-1.71
	Total	4,594	6,402	6,590	4,929	4,196	3.37	0.29	-2.86	-1.60
Fijian	Male	59.862	74,989	102,479	131,413	167,256	2.28	3.17	2.52	2.44
	Female		73.145	99,697	128,519	162,049	2.31	3.15	2.57	2.35
	Total	118,070	148,134	202,176	259,932	329,305	2.29	3.16	2.54	2.39
Indian	Male	64,988	88,359	122,632	147,194	175,829	3.12	3.33	1.84	1.79
идин	Female		81,044	118,328	145.702	•	3.87	3.86	2.10	1.7
	Total	120,414	169,403	240,960	292,896		3.47	3.59	1.97	1.70
Part-European	Male	3,195	4,008	4,951	5,358	5,396	2,29	2.14	0.79	0.0
rait-European	Female		3,802		4,918	4,901	2.58	2.22		-0.03
	Total	6,142	7,810	9,687	10,276	10,297	2.43	2.18	0.59	0.0
Rotuman	Male	1,696	2,232	2,939	3,666	4,387	2,78	2.79	2,23	1.8
	Female	•			3.625		3.08	2.70	2.41	1.64
· .	Total	3,313	4,422	5,797	7,291	8,652	2.93	2.74	2.32	1.73
Other Pacific	Male	2,145	2,839	3,207	3,474	4,499	2.84	1.23	0.80	2.6
Islanders	Female		2,481	2,888	3,348		4.67	1.53		2.1
	Total	3,717	5,320		6,822		3.65	1.37	1.13	2.3
All Others	Male	273	50	202	737	415	-15.61	14.98	13.82	-5.5
	Female		41	71	533	395	-16.23	5.64	22.33	
	Total	514		273	1,270	810	-15. 9 0	11.61	16.62	-4.4
Total	Male	136,731	178,475	242,747	296,950	362,568	2.70	3.12	2.04	2.0
	Female	,			291,118		3.13	3.41	2.21	1.9
•	Total	259,638			588,068		2.91	3.26	2.12	1.9

Source: : Population Census 1986, Vol.1, Bureau of Statistics

Table E-1.2 POPULATION OF DIVISION BY ETHNIC ORIGIN (1986 CENSUS)

Division		 	Fijians		Indians	1	Others		Total	
DIVISION		Number	(%)	Number	(%)	Number	(%)	Number	(%)	
Central			136,691	41.5	103,058	29.5	20,361	54.5	260,110	36.4
Western			96,873	29.4	180,206	51.7	6,270	16.8	283,349	39.6
Northern	•		57,546	17.5	64,509	18.5	7,099	19.0	129,154	18.0
Eastern			38,195	11.6	931	0.3	3,636	9.7	42,762	6.0
Total			329,305	100.0	348,704	100.0	37,366	100.0	715,375	100.0

Source:

Report on Fiji Population Census 1986, Bureau of Statistics

Table E-1.3 POPULATION DISTRIBUTION BY URBAN AND RURAL AREAS AND ETHNIC ORIGIN (1976 AND 1986 CENSUSES)

Urban/Rural		:	Fijians		Indians		Others		Total	
Orbanyikurai		100	Number	(%)	Number	(%)	Number	(%)	Number	(%)
	27.3			· · ·				<u> </u>		y B
1. Urban				•	* *	\$ +	* * * *			÷
			50.014	مخم	4.5.600			400		
1976			79,314	36.3	115,632	52.9	23,549	10.8	218,495	100.0
1986			107,780	38.9	144,533	52.2	24,712	8.9	277,025	100.0
Annual Gro	wth					**				
Rate (%)			3.1	· -	2.3	٠	0.5	-	2.4	4.4
	:		+ 1,	•	er e e	5 - L		1.	.*	
2. Rural					at a second			in the same		
1976			180,618	48.9	177,264	48.0	11,691	3.2	369,573	100.0
1986			221,525	50.5	204,171	46.6	12,654	2.9	438,350	100.0
Annual Gro	wth				V ·			the second		the market
Rate (%)			2.1	-	1.4	_	0.8	-	1.7	-

Source:

Social Indicators for Fiji, Issue No.5, Bureau of Statistics

Table E-1.4 POPULATION PROJECTIONS OF FIJI

Ethnic Origin & Year	High Variant			Medium Variant			Low Variant		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1. Fijian							<u> </u>		
1986	167,256	162,049	329,305	167,256	162,049	329,305	167,256	162,049	329,305
1980	186,917	182,075	368,992	185,537	180,754	366,291	183,781	179,074	362,855
1996	211,695	206,361	418,056	205,093	200,353	405,446	197,926	193.623	391,549
2001	239,407	233,583	472,990	224,191	219,566	443,757	208,924	205,239	414,163
	-	264,384	535,026	242,827	238,482	481,309	219,073	216,176	435,249
2006 2011	270,642 305958	299271	605,229	260574	256650	517,224	230067	228038	458,105
2. Indians									
1986	175,829	172,875	348,704	175,829	172,875	348,704	175,829	172,875	348,704
1991	174,456	173,069	347,525	173,365	172,006	345,371	173,365	172,006	345,371
1996	189,437	188,749	378,186	177,853	176,604	354,457	174,682	173,145	347,827
2001	205,903	205,791	411,694	181,651	180,538	362,189	173,863	172,074	345,937
2006	224,192	224,485	448,677	185,686	184,648	370,334	172,328	170,172	342,500
2011	243095	243615	486,710	189746	188705	378,451	169883	167244	337,127
3. Others	÷								
1986	19,483	17,883	37,366	19,483	17,883	37,366	19,483	17,883	37,366
1991	19,736	18,339	38,075	19,606	18,213	37,819	19,507	18,117	37,624
1996	21,708	20,401	42,109	20,698	19,377	40,075	20,128	18,807	38,935
2001	23,821	22,627	46,448	21,710	20,507	42,217	20,482	19,279	39,761
2006	26,123	25,056	51,179	22,636	21,599	44,235	20,706	19674	40,380
2011	28656	27713	56,369	23500	22666	46,166	20889	20081	40,970
4. Total		:							
1986	362,568	352,807	715,375	362,568	352,807	715,375	362,568	352,807	715,375
1991	381,109		754,592	378,508	370,973	749,481	376,653	369,197	745,850
1996	422,840		838,351	403,644	396,334	799,978	392,736	385,575	778,311
2001	469,131	462,001	931,132	427,552		848,163	403,269	396,592	799,861
2006	520,957		1,034,882	451,149	-	895,878	412,107	406,022	818,129
2011	577,709			473,820		941,841	420,839	415,363	836,202

Report on Fiji Population Census 1986 - Analytical Report on the Demographic, Social and Economic Characteristics of the Population, March 1989, Bureau of Statistics Source:

Table E-1.5 ECONOMIC ACTIVE POPULATION, 1976 AND 1986 CENSUSES

Items		1976	1986	Increase (%) 1976-1986		
Total Populat	ion	588,068	715,375	22		
Population Aged 15 Years and Over		346,091	441,912	28		
Economically	Active					
Population	Total	175,785	241,160	37		
	Male	146,315	189,929	30		
	Femal	29,470	51,231	74		

Source:

Social Indicators for Fiji, April 1989,

Bureau of Statistics

Table E-1.6 POPULATION AGED 15 YEARS AND OVER BY ECONOMIC ACTIVITY (1986 CENSUS)

Items	Males		Females	Total		
16.113	Number	(%)	Number	(%)	Number	(%)
Economically Active	189,929	85.4	51,231	23.3	241,160	54.6
Cash workers	148,346	66.7	35,278	16.1	183,624	41.6
Non-cash workers	31,249	14.1	8,098	3.7	39.347	8.9
Unemployed	10,334	4.6	7,855	3.6	18,189	4.1
Not Economically Active	30,868	13.9	166,714	75.9	197,582	44.7
Persons not seeking work	2,972	1.3	7,000	3.2	9,972	2.3
Home workers	908	0.4	133,239	60.7	134,147	30.4
Students	15,685	7.1	14,300	6.5	29.985	6.8
Others	11,303	5.1	12,175	5.5	23,478	5.3
Activity not stated	1,519	0.7	1,651	0.8	3,170	0.7
Total	222,316	100.0	219,596	100.0	441.912	100.0

Source:

Social Indicators for Fiji, April 1989,

Bureau of Statistics

Table E-1.7 DISTRIBUTION OF ECONOMICALLY ACTIVE POPULATION - 1976 AND 1986 CENSUSES

	1976		1986	
Industrial Origin	Number	(%)	Number	(%)
Agriculture	76,886	43.7	106,305	44.1
Mining	1,662	0.9	1,345	0.6
Manufacturing	13,039	7.4	18,106	7.5
Electricity	1,628	0.9	2,154	0.9
Construction	11,186	6.4	11,786	4.9
Trade	17,372	9.9	26,010	10.8
Transport	9,039	5.1	13,151	5.5
Finance	3,518	2.0	6,016	2.5
Services	29,134	16.6	36,619	15.2
Not stated & Unemployed	12,321	7.0	19,668	8.2
Total	175,785	100.0	241,160	100.0

Social Indicators for Fiji, April 1989,

Bureau of Statistics

Table E-1.8 GROSS DOMESTIC PRODUCT (GDP)

ltems .	1987	1988	1989	1990	1991	Average Annual Growth Rate (%)
A. at Current Prices						
GDP (F\$ Million)	1,329.2	1,433.3	1,661.4	1,811.0	1,955.0	8.2
Annual Growth Rate (%)	0.2	7.8	15.9	9.0	8.0	8.2
Per Capita GDP (F\$)	1,844	1,993	2,295	2,474	2,635	7.4
Annual Growth Rate (%)	-0.7	8.1	15.2	7.8	6.5	7.4
3. at the 1977 Constant Prices		•				
GDP (F\$ Million)	711.5	728.4	815.6	854.9	860.6	2.7
Annual Growth Rate (%)	-6.4	2.4	12.0	4.8	0.7	2.7
Per Capita GDP (F\$)	987	1,013	1,127.0	1,168	1,160	1.9
Annual Growth Rate (%)	-7.3	2.6	11,3	3.6	-0.7	1.9

Source:

: Current Economic Statistics, January 1993, Bureau of

Statistics

Table E-1.9 GROSS DOMESTIC PRODUCT (GDP) BY ECONOMIC ACTIVITY AT CURRENT PRICES

	පි	GDP by Activity (F\$ 1,000)	1,000)				Share in GDP (%)	3DP (96)		
Activities	1985	1986	1987	1988	1989	1985	1986	1987	1988	1989
1. Agriculture, Forestry and Fishing	215,697	277,116	306,165	279,920	325,502	18.3	20.9	23.0	19.5	19.6
1.1 Cross	80 683	152,423	164.969	136,777	169,857	6.9	11.5	12.4	9.5	10.2
1 1 1 Cyraccapa	41.709	118.189	125,520	94,133	119,512	3.5	8.9	4.6	9.9	7.2
1.1.2 Other Crops	38,974	34,234	39,449	42,644	50,345	3.3	2.6	3.0	3.0	3.0
1.2 Mastock Denderts	11.249	11.708	12.501	12,518	15,215	1.0	6.0	6.0	6.0	6'0
1 3 Eshino	13.321	12.388	17,073	17,545	20,253	1.1	0.9	1,3	1.2	1.2
1.4 Forestry	8,125	8,184	9,389	9,113	9,605	0.7	0.6	0.7	9.0	9.0
1.5 Subsistence	102,319	92,413	102,233	103,967	110,572	8.7	2.0	7.7	7.3	6.7
2. Wining and Quarrying	13,920	17,507	31,179	62,093	52,625	1.2	1.3	2.3	4.	3.3
Manufacturing Industria	111 329	136.629	157.331	137.220	174,564	9.5	10.3	11.8	9.6	10.5
3. Temer	20,405	52,628	42.547	42,624	56,279	1.7	0.4	3.2	3.0	æ. •
3.2 Enod Drink and Tobacco	33,399	32.690	31,507	39,991	50,480	2.8	2.5	2.4	2.8	3.0
3.3 Other Manufacturing	52,895	46,485	78,159	48,878	61,698	4.5	3.5	5.9	3.4	3.7
3.4 Self-employment	4,630	4,826	5,118	5,727	6,107	4.0	4.0	0.4	9 .0	4.0
4 Electricity Gas and Water	40.437	48.197	43,995	51,901	55,036	3.4	3.6	3.3	3.6	6.6
5. Building and Construction	63,944	64,017	49,579	59,527	66,342	4.2	4.8	3.7	4.2	0.4
6 Trade Hotek Besterrants and Cafes	209.975	223.475	208.806	282,209	379,141	17.8	16.9	15.7	19.7	22.8
6.1 Trade	168,982	177,214	173,134	234,765	316,545	14.3	13.4	13.0	16.4	19.1
6.2 Hotels, Restaurants and Cafes	40,993	46,261	35,672	47,444	62,596	3.5	3.5	2.7	හ. භ	89
7. Transport and Communications	121,698	131,669	132,837	163,485	169,224	10.3	6.6	10.0	4.11	10.2
7.1 Transport	92,312	98,193	99,017	121,054	126,793	7.8	7.4	7.4	8.4	9.2
7.2 Communications	29,386	33,476	33,820	42,431	42,431	2.5	2.5	2.5	3.0	5.6
8 Finance Instrume and Real Estate	165.928	181,851	182,036	196,987	216,158	1.4.	13.7	13.7	13.7	13.0
9 Community and Social & Personal Service	271.347	299,721	276,226	273,431	305,200	23.0	22.6	20.8	19.1	18.4
10. Others	10,023	10,449	11,121	11,693	12,468	0.0	0.8	0.8	0.8	8.0
Less: Imputed Service Charges	46,576	-64,517	-70,043	-85,196	-97,860	7	4.9	-5.3	-5.9	-5.9
### ### #### #########################	1 177 722	1 276 114	1 329 232	1 433 270	1 661 400	100.0	100.0	100.0	100.0	100.0
All Activities	1,111,125	1,320,114	1,02,030,1	2 12 2	221					

Table E-1.10 PRODUCTION OF SELECTED AGRICULTRAL PRODUCTS

A. Selected Agricultural Products

Unit: tonnes

Products		···.	Productio	n		Average Annual Growth Rate
	1988	1989	1990	1991	1992	(%)
1. Sugar Cane Cane (1,000 tonnes)	3,185	3,958	4,016	3,380	3,533	3.6
2. Copra	10,714	13,368	19,005	15,193	16,048	13.1
3. Paddy	32,147	31,827	32,147	29,038	29,038	-2.4
4. Tobacco	144	224	240	252	252	16.9
5. Cocoa	238	375	406	363	325	11.2
6. Beef	3,565	3,136	2,903	2,847	2,624	-7.3
7. Pork	530	558	603	715	711	7.8
8. Goat	691	679	700	660	720	1.2
9. Chicken	3,989	5,030	5,491	5,888	6,057	11.3
0. Eggs	1,839	2,018	2,073	2,191	2,191	4.5
1. Fish	13,075	13,571	13,394	13,796	13,796	1.4
l 2. Ginger	3,737	4,457	5,500	6,500	6,500	15.2

B. Processed Agricultural Products

Unit: tonnes

Products		h Transcription	Productio	n		Average Annual Growth Rate
1 Todates	1988	1989	1990	1991	1992	(%)
1. Sugar (1,000 tonnes)	363	461	408	389	426	5.1
2. Coconut Oil	6,516	7,619	11,614	8,775	9,234	12.5
3. Sharps	21,439	19,445	15,689	14,625	10,682	-15.6
4. Flour	25,507	28,331	24,773	26,933	27,766	2.6
5. Butter	1,204	1,363	1,228	1,477	1,504	6.4
6. Cigarettes	530	574	604	585	550	1.1
7. Saw log (1,000 cubic meter)	294	267	258	248	214	-7.5
8. Stockfeed	17,597	18,943	22,212	25,377	24,601	9.0

Source: Current Economic Statistics, January 1993, Bureau of Statistics

Table E-1.11 PRODUCTION AND PRICES OF SUGAR INDUSRY

Items	Unit	1988	1989	1990	1991	1992	Average Annua Growth Rate
1. Sugar cane					2 (4) (2 (3 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4		industrial of the
Number of Contracts		22,127	21,771	21,334	22,479	22,579	0.5
Area harvested	1,000 has.	64	64	70	72.	73	3.4
Production	1,000 tonnes	3,185	4,099	4,016	3,380	3,533	3.8
Average Production per Hectare	tonnes/has.	49.9	57.7	57.6	46.5	48.6	0.2
Prices paid to Growers	F\$/tonne	43.95	46.48	41.30	50.89	50.00	4.0
Input of Cane per ton of Sugar	tonnes	8.8	8.9	9.8	8.7	8.3	-1.1
	:		4.1			1	2018 2019
2. Sugar	100		:: .	•			
Sugar Production	1,000 tonnes	363	461	408	389	426	5.1
Molasses Production	1,000 tonnes	130	151	164	138	129	0.6
Export of Sugar			4. 1.		•		100
Quantity	1,000 tonnes	409	398	394	357	365	-2.7
Value (F.O.B.)	F\$ 1,000	198,347	228,285	223,669	220,400	221,281	3.0
Unit Value	F\$/tonne	485	574	568	617	606	6.0

Source: Current I Current Economic Statistics, January 1993, Bureau of Statistics

Table E-1.12 PRODUCTION OF SELECTED MANUFACTURING INDUSTRIAL PRODUCTS

)	Production	าก		Average Ann	nual
Products	Units	1988	1989	1990	1991	1992	Growth Rate (%)	,
1. Gold	kg	4,272	4,221	4,116	2,743	3,701	-0.5	
2. Silver	kg	988	1,055	779	477	1,258	26.4	
3. Cement	1000 litres	44.2	58.0	77.9	78.8	84.4	18.4	n de la companya da sana da sa Na kacamatan da sana d
4. Beer	mega litres	15.66	17.52	19.35	18.31	17.34	2.9	
5. Paints	1000 litres	1,776	1,831	2,187	2,339	2,565	9.8	
6. Soap	tonnes	7,915	6,417	6,614	7,068	6,891	-2.9	
7. Matches	1000 gross boxes	145	122	154	147	142	0.6	
8. Electricity	million kwh	413	437	446	474	470	3.3	
9. Ice Cream	1000 litres	2,914	3,169	3,029	2,450	2,479	-3.4	eri Julius Albertu
10. Soft Drinks	1000 litres	4,428	5,279	7,042	8,186	9,173	20.2	9 2 2
11. Toilet Paper	1000 rolls	5,575	7,022	9,442	9,676	9,780	16.0	

Source: Current Economic Statistics, January 1993, Bureau of Statistics

Table E-1.13 VISITOR ARRIVALS BY PURPOSE OF VISIT

Unit: Number of People

Purpose of Visit	1988	1989	1990	1991	1992	Share in 1992	Average Annual Rise Rate
						(%)	(%)
Business	12,191	18,251	26,478	18,113	17,175	6.2	14.5
Holiday	167,517	191,727	212,774	209,146	228,517	82.0	8.2
Visiting Friends/Relatives	12,777	18,171	15,643	14,146	16,997	6.1	9.7
Education/Training	2,776	3,959	3,093	2,621	2,727	1.0	2.4
Others	12,894	18,457	21,008	15,324	13,118	4.7	3.9
Total	208,155	250,565	278,996	259,350	278,534	100.0	8.0

Source:

Current Economic Statistics, January 1993, Bureau of Statics

Table E-1.14 NUMBER OF VISITOR ARRIVALS BY COUNTRY OF RESIDENCE, AVERAGE LENGTH OF STAY AND TOURISM EARNINGS

Unit: Number of People

Items		1988	1989	1990	1991	1992	Share in 1992	Average Annual Rise Rate
			<u>. i</u>				(%)	(%)
	of Visitor Arrivals		•					
by Countr	y of Residence							
	Australia	75,264	96,992	103,535	86,625	87,395		
	U.S.A.	42,144	34,425	36,928	31,842	34,802	12.5	
	New Zealand	21,507	28,128	29,432	30,631	37,227	13.4	15.3
	Canada	16,883	16,536	18,438	15,242	12,602	4.5	-6.3
	United Kingdom	8,464	11,404	16,773	16,555	16,795	6.0	20.5
	Continental Europe	20,498	23,916	27,211	26,265	29,513	10.6	9.8
	Japan	3,425	13,840	21,619	27,802	35,960	12.9	104.6
	Malaysia		82	188	375	250	0.1	48.9
	South Korea	_ =	373	1,783	2,446	2,229	0.8	101.6
	Rest of Asia	_	1,720	4,284	4,599	5,185	1.9	42.3
	Pacific Islands	14,219	18,063	17,528	16,227	15,627	5.6	3.2
	Others	5,751	5,085	1,277	741	949	0.3	-25.1
	Total	208,155	250,564	278,996	259,350	278,534	100.0	8.0
2. Average	Length of Stay			•				
(Days)		8.5	9.2	8.8	8.6	8.7	٠ -	0.7
3. Tourism	Earnings							
(F\$ Millio	on)	-	-	319.2	285.7	336.0	-	3.6

Source:

Current Economic Statistics, January 1993, Bureau of Statics

Facts and Figures, 1990, 1991, 1992 and 1993 Editions, Bureau of Statistics

Table E-1.15 CAPACITY AND OCCUPANCY OF HOTEL IN FUI

Capacity/Occupancy	1988	1989	1990	1991	1992	Average Anr Rise Rate (%)	ıual
·····	<u> </u>			·			
1. Capacity							
Number of Rooms	4,062	4,133	4,229	4,466	4,562	3.0	
Room Capacity (persons)	1,496,135	1,500,642	1,532,457	1,617,168	1,625,609	2.1	٠, ,
Number of Beds	11,289	11,396	11,477	12,071	12,046	1.7	
Bed Capacity	4,143,766	4,127,566	4,210,043	4,366,534	4,370,303	1.4	
2. Occupancy							
Rooms Sold	698,817	838,915	922,037	839,110	834,630	0.1	
Beds Sold	1,360,512	-		1,640,003	1,650,194		
Room Occupancy (%)	46.7	55.9	60.2	51.9	51.3	-1.8	
Bed Occupancy (%)	32.8	43.1	44.3	37.6	37.8	4.8	

Current Economic Statistics, January 1993, Bureau of Statistics

Table E-1.16 EXTERNAL TRADE

Unit : F\$ 1,000

Items	1988	1989	1990	1991	1992	Average Annual Growth Rate (%)
			· · · · · · · · · · · · · · · · · · ·		· .	
Exports	531,187	658,617	731,865	664,599	653,281	6.1
Domistic	447,215	552,438	607,401	554,785	541,745	5.6
Re-Exports	83,972	106,179	124,464	109,814	111,536	8.4
Imports	658,821	860,436	1,112,901	961,767	938,448	11.0
Trade Balance	-127,634	-201,819	-381,036	-297,168	-285,167	-

Source:

Current Economic Statistics, January 1993, Bureau of Statistics

Contropolities Countrol Cou	1989	1988		1989		1990		1991		1992		. ;
Courtest	Commodities											Share
the control of the co		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity (1000 kg)	Value (F\$ 1000)	in 1992 (%)
red	in the second se	(IWO KE)	(rs 1000)	(1000 kg)	(Le 100)	(1000 PE)	(Annu an	(au coor)	(2001 20)	(d)		
rs y Products 880 1.768 1.165 2.133 1.111 2.133 949 1.599 1.599 y Products 880 1.768 1.165 2.133 1.111 2.133 949 1.599 1.599 y Products 669 1.146 1.100 1.044 2.222.669 3.410 2.222.669 3.400 2.222.669 3.400 2.222.669 3.400 2.222.669 3.400 2.222.669 3.400 2.222.669 3.400 2.222.669 3.400 3.400 1.144 1.1375 1.140 1.142 2.113 8.8 6.436 1.156 1.1300 1.144 1.1375 1.140 2.721 3.200 3.400 3.400 1.156 3.400 1.157 3.400 1	Canned	6.965	39.758	7.232	39,509	908'9	39,228	5,692	35,739	5,652	28,726	5.3
y Products	Others	•	8,458	•	5,338		10,043	1	10,895	.1	10,375	1.9
y Products 880 1768 1,146 2,133 1,111 2,133 949 1,593 Commodities 1,766 1,146 1,144 2,134 2,133 949 1,593 Commodities 669 1,146 1,146 1,144 2,186 2,774 863 964 COM counts 409 198,347 398 222,286 394 227,669 36,77 1,100 ses (1000 tonnes) 134 11,375 140 9,781 88 6,436 155 13,200 ses (1000 tonnes) 1,24 1,137 1,40 9,781 1,78 3,78 1,448 3,280 <									•			
1,446 1,194 1,945 2,186 2,262 4,100 1,000 tornes 669 616 1,100 1,045 2,186 2,2674 863 4,100 1,000 tornes 1,34 1,1375 1,40 2,781 88 6,436 1,55 1,3300 1,345 1,345 1,320 3,837 1,868 3,280 3,145 1,330 1,345	Bakery Products	880	1,768	1,165	2,133	1,111	2,133	949	1,593	1,145	1,860	0.3
1000 tourness 666 616 1.1109 1.045 2.188 2.774 865 964 1.000 tourness 1.34 1.1.375 3.98 2.28.286 3.94 2.23.469 3.57 2.20.400 3.63 2.23.669 3.57 2.20.400 3.63 2.23.669 3.57 3.20.20 3.63 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.63 3.23 3.63 3.23 3.63 3.63 3.23 3.63 3.23 3.63 3.63 3.23 3.63 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23 3.63 3.23	Pasta	•	1,446	1	1,914	•	2,262	•	4,100	•	4,545	80
(1000 tonnes) 409 198,347 398 228,286 394 223,669 357 220,400 sas (1000 tonnes) 134 11,375 140 9,781 88 6,436 155 133.00 11	Taro	699	919	1,109	1,045	2,188	2,774	863	96 28	1,523	1,977	4.0
ses (1000 tonnes) 134 11,375 140 9,781 88 6,436 155 13,300 1	Sugar (1000 tonnes)	409	198,347	398	228,286	394	223,669	357	220,400	365	221,281	40.8
t 1 2,421 3,202 2,690 3,636 2,320 3,337 1,868 3,280 st wood 2 2 2 2 2 2 2 3,145 st wood 10 155 79 163 10 199 3 67 debips - 5,695 - 12,144 - 15,219 - 18,653 rs - 18,684 - 12,144 - 15,219 - 18,653 rs - 18,684 - 12,144 - 15,219 - 75,88 rs - 18,684 - 13,222 - 15,219 - 75,88 rs - 18,684 - 13,222 - 15,219 - 75,88 rs - 13,222 2,005 210 2,005 11 4,919 - 1,423 rs - 2,246 4,236 3,	Molasses (1000 tonnes)	134	11.375	140	9,781	88	6,436	155	13,300	137	13,111	2.4
n 2,421 3.202 2,690 3,636 2,320 3.337 1,868 3.280 stres 10 155 79 163 10 199 3 67 g, Wood debigs - 5,695 - 12,144 - 15,709 - 15,689 rs 18,00d - 18,684 - 12,144 - 15,709 - 15,589 rs 18,00d - 18,684 - 13,222 - 15,709 - 15,589 rs Los 18,684 - 2,005 2,005 212 3,149 - 7,558 rs Dougli (1000 tonnes) 4 3,423 7 5,270 11 4,919 4 2,338 de Dannels 6,586 4,417 4,846 4,226 5,834 5,639 4,702 3,981 rs Book es, Cases 13,43 1,44 2,478 4 1,352	Ginger	÷					\$4.4 \$4.4					
tress 10 155 79 163 10 199 3 407 & Wood debirss	Green	2,421	3,202	2,690	3,636	2,320	3,337	1,868	3,280	2,048	2,537	0.5
ttes by Mood dehips 5.665 - 5.665 - 12.144 - 15.709 - 18.653	Others	1	282	1	381	•	2.287	•	3,145	•	1.5	0.3
# Wood dehips	Choractero		75	5	163	10	199	er.	29	0	9	0.0
definition of the control of the con	Contraction of the contraction o	2	}	•	1	}		ı	-			
Shell	COTK & WOOD		307.3		77.01		15 700	•	18.653		22.876	4.2
us Shell us Oil (1000 tonnes) 4	Woodcaips	•	2,093	•	13.22		15 210		7.558	i	7.316	1.4
Shell 418 2,073 256 2,005 212 3,440 100 901 aut Oil (1000 tonnes) 4 3,423 7 5,270 11 4,919 4 2,338 & Enamels 219 973 145 577 217 991 258 1,142 ar Sheets 6,286 4,417 4,846 4,326 5,834 5,639 4,702 3,981 ns. Boxes & Cases 13,60 2,169 2,169 4,44 4,326 3,438 4,702 3,981 ns. Boxes & Cases 4 462 19 2,060 30 4,126 1,352 st Steel 1 4,129 8,1319 2,060 3 3,471 1,867 1,791 ns. Steel 1 4,129 81,519 4,244 76,197 4,160 75,832 2,706 46,612 commodities 2 27,978 2 27,44 76,197 4,160 75,832 2,706 46,612	Officers	•	19,004	ı	777.61		717,01		2		1	i
At Enamels 4 3,423 7 5,270 11 4,919 4 2,338 & Enamels 219 973 145 575 217 991 258 1,142 at Sheets 6,286 4,417 4,846 4,326 5,834 5,639 4,702 3,981 at Sheets 50d 2,169 3,643 4 7,639 4 7,352 sol 4 4,417 4,846 4,326 5,834 5,639 4,702 3,981 sol 3,449 9 2,569 4 7,649 - 3,498 - 1,352 st Steel 4 4,62 1,337 - 3,437 17 1,865 rs 5 Steel 1 4,144 - 1,337 - 1,591 - 1,791 rs 5 Steel 1 4,144 76,197 4,146 75,832 2,706 46,612 commodities - 2,7378	Trochus Shell	418	2.073	256	2,005	212	3,140	100	106	11	706	0.1
& Enamels 219 973 145 575 217 991 258 1,142 or Sheets 4,417 4,846 4,326 5,834 5,639 4,702 3,981 ord as, Boxes & Cases - 2,210 305 2,159 414 2,478 4 1,352 as, Boxes & Cases - 3,149 - 3,525 - 3,498 - 3,643 nd Cement (1000 tornes) 4 462 19 2,060 30 3,347 17 1,865 t Steel 1 414 - 1,337 - 3,421 - 1,867 - 1,791 rs 3 Steel - 414 - 4,244 76,197 4,160 75,832 2,706 46,612 Quantity:kg) - 42,244 76,197 4,160 75,832 2,706 46,612 commodities - 447,215 - 552,438 - 607,401 -	Cocorni Oil (1000 formes)	4	3.423	7	5.270		4,919	4	2,338	7	5,718]]
T. Sheets od 4,17 4,846 4,326 5,834 5,639 4,702 3,981 sod ass. Excess 2,210 305 2,159 414 2,478 4 1,352 and Cement (1000 torunes) 4 462 1,99 2,060 30 3,347 17 1,865 and Cement (1000 torunes) 4 462 19 2,060 30 3,347 17 1,865 and Cement (1000 torunes) 4 462 19 2,060 30 3,347 17 1,865 and Cement (1000 torunes) 4 462 19 2,060 30 3,347 17 1,865 and Sheets as a solid sheets as a solid sheets as a solid sheets are a solid sheets as a solid sheets as a solid sheets are a solid sheets as a solid sheets are a solid sheets as a solid sheet as a solid shee	Paints & Enamels	219	973	145	575	217	991	258	1,142	190	1,027	0.7
cod 426 2,210 305 2,159 414 2,478 4 1,352 ns, Boxes & Cases - 3,149 - 3,325 - 3,498 - 3,643 nd Cement (1000 tornes) 4 462 19 2,066 30 3,347 17 1,865 t Steel 1ng Sheets - 414 - 414 - 1,867 - 1,791 rs - 30,118 - 99,261 - 1,867 - 1,791 commoditives - 27,978 - 37,808 - 62,999 - 39,577 c Current Economic Statistics, January 1993, Bureau of Statistics - 552,438 - 607,401 - 554,785	Veener Sheets	6.286	4.417	4.846	4,326	5,834	5,639	4,702	3,981	3,728	4,033	0.7
18. Boxes & Cases 19. 3,325 19. 2,066 30. 3,347 17. 1,865 18. Steel 18. Steel 19. 2,066 30. 3,347 17. 1,865 19. 1,337 19. 1,337 19. 1,337 19. 1,337 19. 1,337 19. 1,337 19. 1,337 19. 1,349 19. 2,066 30. 3,347 17. 1,865 17. 1,865 17. 1,867 18. 1,179 19. 113.774 19. 1,187 19.	Plywood	426	2.210	305	2,159	414	2,478	4	1,352	4	1,262	0.2
nd Cement (1000 tornes) 4 462 19 2,060 30 3,347 17 1,865 5 Steel ing Sheets - 414 - 1,337 - 3,621 - 1,791 rs characteristics - 30,118 - 99,261 - 115,774 - 131,123 Commodities - 27,978 - 552,438 - 607,401 - 554,785 - 447,215 - 552,438 - 607,401 - 554,785 - Value is given in F.O.B.	Cartons, Boxes & Cases	1	3,149	ī	3,325	•	3,498	•	3,643	1	3,827	0.7
t. Steel	Portland Cement (1000 tonnes)	4	462	19	2,060	30	3,347	17	1,865	4	532	0.1
ing Sheets - 414 - 1,337 - 3,521 - 1,911 rs - 690 - 563 - 1,867 - 766 ents - 30,118 - 99,261 - 115,774 - 131,123 Commodities - 27,978 - 552,438 - 607,401 - 554,785 current Economic Statistics, January 1993, Bureau of Statistics yalue is given in F.O.B.	Iron & Steel								,		0	4
ras characteristics commodities Current Economic Statistics, January 1993, Bureau of Statistics rats - 563 - 1,867 - 766 - 115,774 - 131,123 - 476,127 - 4,160 75,832 2,706 46,612 - 27,978 - 37,808 - 62,999 - 39,577 - 447,215 - 552,438 - 607,401 - 554,785 - Value is given in F.O.B.	Roofing Sheets	•	414	1	1,337	1	3,621	1	1,791	•	2.781	0 0
Commodities	Others		969	1	263	Ī	1,867	1	768	•	1,439	0.3
Commodities 4,129 81,519 4,244 76,197 4,160 75,832 2,706 46,612 Commodities - 27,978 - 37,808 - 62,999 - 39,577 e: Current Economic Statistics, January 1993, Bureau of Statistics - 552,438 - 607,401 - 554,785 value is given in F.O.B. - 552,438 - 607,401 - 554,785	Garments	3	30,118	1	99,261	•	115,774	1	131,123	•	105,543	19.5
Commodities - 27,978 - 37,808 - 62,999 - 447,215 - 552,438 - 607,401 - Value is given in F.O.B.	Gold (Quantity:kg)	4,129	81,519	4,244	76,197	4,160	75,832	2,706	46,612	3,694	60,723	11.2
e: Current Economic Statistics, January 1993, Bureau of Statistics Value is given in F.O.B.	Other Commodities		27,978	,	37,808	1	62,999	•	39,577	•	38,003	7.0
	Total		447,215	i	552,438	t	607,401	,	554,785	1.	541,745	100.0
		nic Statistics, Janua	ary 1993, Burea	u of Statistics								
		n F.C.b.										

Table E-1.18 IMPORT COMMODITIES

Unit: F\$ 1,000 Share Average Annual 1988 1989 1990 1991 1992 in 1992 Growth Rate Commodities (%) (%) 110,838 124,468 142,881 141,444 135,951 14.5 5.6 Food 8,085 13.4. 5,047 7,888 0.9 Beverages and Tobacco 6,511 8,169 Crude Materials 4,311 7,699 7,552 7,864 7,193 0.8 18.1 109,839 133,483 14,2 12.8 88,603 157,113 146,326 Mineral Fuel 11,578 9,643 -11,228 10,087 11,329 1.2 0.5 Animal and Vegetable Oil & Fats 81,577 78,467 4.9 Chemicals 66,084 78,167 72,525 84 Manufactured Goods 155,017 205,987 244,245 245,175 233,695 24.9 11.8 341,565 216,265 231,867 24.7 21.1 138,893 222,013 Machinery 78,450 96,109 118,571 114,193 98,378 10.5 7.1 Miscellaneous 57,357 84,953 106,582 104,005 89,270 9.5 14.2 Manufactured Articles 21,093 11,156 11,989 10,188 9,108 1.0 -16.3 Transactions 1,112,901 961,767 938,448 100.0 11.0 658,821 860,436 Total

Source: Current Economic Statistics, January 1993, Bureau of Statistics

Items

Goods and Services

Table E-1.19 BALANCE OF EXTERNAL PAYMENTS

 1989
 1990
 1991

 88.4
 -73.1
 36.5

 -70.2
 -53.3
 -48.6

Unit: F\$ Million

1992

51.8

-60.7 Invesments (net) Private Transfers (net) -21.5 -34.4 -36.7 -34.6 42.1 37.0 37.3 21.7 Government Transfers (net) Current Account Balance 38.8 -123.8-11.5 -21.8 -24.2 121.0 -6.8 74.8 Capital (excluding Reserves) -32.1 58.2 30.5 26.8 Errors and Omissions -17.5 55.4 12.2 79.8 Overall Balance

Source: Facts and Figures, 1991, 1992 and 1993, Bureau of Statistics

Table E-1.20 CURRENT REVENUE AND EXPENDITURE OF THE CENTRAL GOVERNMENT

Unit: F\$ 1,000

Items	1988	1989	1990	1991	1992	Average Annual Growth Rate (%)
Revenue	389,689	461,676	538,203	563,781	550,588	9.4
Expenditure	434,581	454,317	500,659	550,956	600,616	8.5
Surplus or Deficit	-44,892	7,359	37,544	12,825	-50,028	• • • • • • • • • • • • • • • • • • •

Source:

Current Economic Statistics, January 1993, Bureau of Statistics

Note:

From 1st July 1992 the Value Added Tax (VAT) was introduced in Fiji,

Consequently from the third quarter of 1992 the VAT has been

included in the revenue column.

Table E-1.21 BREAKDOWN OF THE CENTRAL GOVERNMENT REVENUE

Unit: F\$ 1,000

Items	1988	1989	1990	1991	1992	Share in 1992 (%)	Average Annual Growth Rate (%)
l. Customs, Duties and Port Duties	144,921	188,936	223,367	220,433	198,733	36.1	9.4
Income Tax and Estate & Gift Duties	146,814	184,566	218,126	229,205	245,916	44.7	14.1
. Fees, Royalties, Sales and Reimbursements	44,142	38,462	40,644	55,534	50,206	9.1	5.0
1. Other Income	53,812	49,712	56,066	58,559	55,733	10.1	1.2
Total	389,689	461,676	538,203	563,731	550,588	100.0	9.4

Source:

Current Economic Statistics, January 1993, Bureau of Statistics

Table E-1.22 BREAKDOWN OF THE CENTRAL GOVERNMENT EXPENDITURE

Unit: F\$ 1,000

Classification	1988	1989	1990	1991	1992	Average Annual Growth Rate (%)
Public Debt Charge	159,953	127,127	122,021	136,343	123,544	-5.5
Pensions and Gratuities	20,192	19,097	24,044	23,330	25,834	7.1
Departmental Expenditure, Etc.	254,436	308,093	354,594	391,283	451,238	15.5
	*:					je kalandara
Total	434,581	454,317	500,659	550,956	600,616	8.5

Source:

Current Economic Statistics, January 1993, Bureau of Statistics

Table E-1.23 BUDGET EXPENDITURES AND ESTIMATES OF MLMRE, MRD, AND PWD, 1989 - 1993

Unit: F\$ 1,000

MRD/PWD	1989	1990	1991	1992	1993	Average Annual Growth Rate (%)	es e d
MLMRE	7,194.0	8,462.8	9,399.8	11,513.0	13,792.4	17.7	
MRD	1,560.8	1,976.9	1,950.5	2,562.8	2,977.5	18.2	
PWD	59,562.7	65,078.9	61,898.6	77,029.1	100,676.9	14.9	
Source:			RD and PV s, 1992 and				

Note:

MLMRE: Ministry of Lands, Mineral Resources and Energy

MRD: Mineral Resources Department PWD: Public Works Department

Table E-1.24 ROAD LENGTH BY DIVISION IN 1986

Unit: km Classification of Road Division Main Secondary Country Residential Others Total Central/Eastern 359.84 57.99 979.11 75.66 52.24 1,524.84 Western 405.47 238.40 986.57 9.41 35.73 1,675.58 Northern 537.50 346.26 712.39 23.84 18.17 1,638.16 **Total** 1,302.81 642.65 2,678.07 108.91 106.14 4,838.58

Source: Annual Report for the Year 1986, Public Works Department

Table E-1.25 ELECTRIC POWER GENERATION OF FIJI ELECTRICITY AUTHORITY (FEA)

Items	Units	1989	1990	Variation (%)
Units Generated	kWh	388,444,989	414,152,500	6.62
Hydro	kWh	365,614,760	389,544,690	6.55
Thermal	kWh	19,826,479	21,606,580	8.98
Purchases	kWh	3,003,750	3,001,230	-0.08
Station Usage	kWh	4,856,590	6,015,480	23.86
Units for Sale	kWh	383,588,399	408,137,020	6.40
Line Losses	kWh	38,899,843	39,194,184	0.76
Total Units Sold	kWh	344,688,556	368,942,836	7.04
Line Losses	%	10.01	9.50	
Electricity Sales	F\$	56,386,847	65,671,183	16.47
Average rate per unit sold	C/Wh	16.36	17.80	8.80

Source: Annual Report 1990, Fiji Electricity Authority

Table E-1.26 CONSUMPTION DISTRIBUTION OF ELECTRICITY SUPPLIED BY FEA

Items	1988	1989	1990	1991	1992	Share in 1992	Average Annual Rise Rate
						(%)	(%)
1. Quantity (1,000 kwh)					.3141		
Commercial	250,424	267,588	287,068	285,015	289,613	76.9	3.8
Domestic	62,740	66,684	70,048	76,672	81,818	21.7	6.9
Others	9,712	10,416	11,826	12,086	5,155	1.4	-8.6
Total	322,876	344,688	368,942	373,773	376,586	100.0	4.0
2. Value (F\$ 1,000)		1 4 1					
Commercial	39,223	42,240	49,257	52,248	58,034	74.7	10.4
Domestic	11,797	12,522	14,408	16,483	: 18,552	23.9	12.0
Others	1,441	1,625	2,006	2,155	1,058	1.4	-1.8
Total	52,461	56,387	65,671	70,886	77,644	100.0	10.4

Facts and Figures, 1990, 1991, 1992 and 1993 Editions, Bureau of Statistics

Table E-1.27 DAILY MEAN WAGES BY INDUSTRIAL GROUP

Unit: F\$/day

Industrial Group		1985	1986	1987	1988	1989	Average Annual Rise Rate (%)
Agriculture	٠.	8.32	8.24	8.64	8.56	11.92	10.6
Mining		10.48	10.72	11.36	12.40	13.04	5.6
Manufacturing		12.16	11.84	12.32	12.56	11.36	-1.5
Electricity		14.96	15.20	16.16	15.92	15.60	· · 1.1
Construction		12.24	12.40	13.28	13.84	13.92	3.3
Commerce		11.36	11.28	11.68	12.00	12.08	1.6
Transport		13.20	13.20	14.08	14.40	14.56	2.5
Services		12.08	12.08	12.72	13.20	13.04	2.0
All Industries	,	12.00	12.00	12.64	12.96	12.64	1.3

Source:

Current Economic Statistics, January 1993, Bureau of Statistics

Table E-1.28 CONSUMER PRICE INDEX AND INFLATION RATE (BASE YEAR 1985 = 100)

Items	Weight		P	rice Index	•		Average Annua Rise Rate
		1988	1989	1990	1991	1992	(%)
Food	339.3	123.4	135.8	146.9	149.3	148.7	4.9
Alcoholic Drinks & Tobacco	63.8	135.7	140.1	150.7	155.1	165.2	5.1
Housing	186.1	104.5	106.1	111.7	129.1	151.3	9.9
Heating & Lighting	48.7	103.8	103.7	114.8	128.3	125.9	.5.1
Durable Household Goods	75.6	126.7	136.6	143.9	148.5	153.9	5.0
Clothing & Footwear	63.1	123.7	135.1	141.8	146.0	148.2	4.7
Transport	112.9	120.5	123.2	136.4	156.1	161.5	7.7
Services	67.5	111.9	112.9	136.2	149.8	167.6	10.8
Miscellaneous	43.0	159.0	173.5	182.6	189.1	194.8	5.2
All Items	1,000.0	120.3	127.7	138.1	147.1	154.3	6.4
Average Annual Inflation Rate (%)	-	11.9	6.1	8.1	6.5	4.9	·-

Current Economic Statistics, January 1993, Bureau of Statistics

Table E-2.1 POPULATION OF PROVINCES BY URBAN, RURAL AND ETHNIC ORIGIN (1986 CENSUS)

		Urban				Rural				Total		
Province	Fijian	Indian	Others	Total	Fijian	Indian	Others	Total	Fijian	Indian	Others	Total
Ba	23,612	43.347	4.594	71.553	31,684	93,704	692	126,080	55,296	137,051	5,286	197,633
Bua	0	0	0	0	9,752	3,619	615	13,986	9,752	3,619	615	13,986
Cakaudrove	1.265	1,402	205	2,872	27,724	4,790	5,047	37,561	28,989	6,192	5,252	40,433
Kadavu	0	0	0	0	9,630	46	129	9,805	9,630	4	129	9,805
Lau	0	0	0	0	13,894	218	16	14,203	13,894	218	91	14,203
Lomaiviti	1,888	450	557	2,895	12,704	196	271	13,171	14,592	646	828	16,066
Macuata	2,883	13,083	571	16,537	15,922	41,615	199	58,198	18,805	54,698	1,232	74,735
Nadroga/Navosa	2.776	1,786	168	4,730	22,530	26,639	532	49,701	25,306	28,425	700	54,431
Naitasiri	31,094	38,854	5,150	75,098	18,619	6,035	475	25,129	49,713	44,889	5,625	100,227
Namosi	0	0	0	0	4,440	316	8	4,836	4,440	316	8	4,836
Ra	. 963	2,290	108	3,361	15,308	12,440	176	27,924	16,271	14,730	284	31,285
Rewa	40,500	34,366	13,074	87,940	7,379	1,940	183	9,502	47,879	36,306	13,257	97,442
Serua	548	2,182	45	2,775	6,267	3,593	721	10,581	6,815	5,775	766	13,356
Tailevu	2,251	6,773	240	9,264	25,593	8,999	393	34,985	27,844	15,772	633	44,249
Rotuma	0	0	0	0	79	21	2,588	2,688	79	21	2,588	2,688
Total	107,780	144,533	24,712	277,025	221,525	204,171	12,654	438,350	329,305	348,704	37,366	715,375

Population Census 1986, Vol.1, Bureau of Statistics

Table E-2.2

POPULATION AND NUMBER OF HOUSEHOLDS BY COMMUNITIES IN THE STUDY AREA (1986 CENSUS) (1)

A. Ba Province

S		Popul	ation		Num	ber of H	Iouseho	lds	Ave	rage Fa	mily Si	ze
District/ Community	Fijian	Indian	Others	Total	Fijian	Indian	Others	Total	Fijian	Indian	Others	Total
·												
1. Ba District (Tikina)						•						
Bangladesh	6	385	0	391	2	62	0	64	3.0	6.2	.	6.1
Benai	37	544	0	581	6	83	0	89	6.2	6.6	-	6.5
Bololo	13	702	1	716	3	109	0	112	4.3	6.4		6.4
Bulabula	6	636	0	642	1	111	0	112	6.0	5.7	-	5.7
Busabusa	68	184	5	257	12	. 31	1	44	5.7	5.9	5.0	5.8
Chinakoti	0	403	0	403	. 0	73	0	73	-	5.5	-	5.5
Elevuka Rural	12	138	- 0	150	4	33	.0	. 37	3.0	4.2		4.1
Itatoko	0	320	0	320	0	61	0	61	~	5.2		5.2
Karavi	31	662	1	694	4	114	0	118	7.8	5.8	-	5.9
Koronubu	181	810	6	997	26	151	1	178	7.0	5.4	6.0	5.6
Koroqaqa Village	119	. 2	0	121	21	0	0	21	5.7	-	-	5.8
Korovuto	44	1,394	0	1,438	9	254	0	263	4.9	5.5	-	5.5
Kubukubu	24	281	0	305	4	45	0	49	6.0	6.2	-	6.2
Lavuci	17	412	. 1	430	3	76	0	79	5.7	5.4	-	5.4
Manitawa	77	391	. 0	468	. 8	60	0	68	9.6	6.5	-	6.9
Matiniqara	2	161	0	163	1	27	0	28	2.0	6.0		5.8
Maururu	. 0	163	5	168	0	27	1	28	-	6.0	5.0	6.0
Moto	10	539	0	549	2	88	0	90	5.0	6.1	-	6.
Nabatolu	31					51	0	56	6.2	6.2	_	6.2
Nacaci	27										_	6.0
Nadari	2									6.2	-	6.2
Nadrau	g	1						36	9.0	6.3	-	6.4
Nailaga Village	594										_	6.7
Nakavika	1									4.5	3.0	4.5
Namada	⊕ 3€								6.0		-	6.2
Namudri	C									5.9	-	5.9
Naruku	ç										-	5.9
Nasolo	.											6.0
Nasolo Village	121										3.0	
Natalecake	83							67				6.
Natalecake Village	131										_	5.4
Natanuku Village	150										1.0	
Natutu Village	156										-	6.
Navatu		656								5,9	_	5.
Navau		500										5.
Navia		173								5.6		5.
Navoli		1,067								5.5		5.
Nawaqarua Village	14:			-							_	5.

Table E-2.2 POPULATION AND NUMBER OF HOUSEHOLDS BY COMMUNITIES IN THE STUDY AREA (1986 CENSUS) (2)

A. Ba Province (continued)

District/		Popul	ation		Num	ber of I	lousehol	ds	Ave	rage Fa	mily Si	ze
Community	Fijian	Indian	Others	Total	Fijian	Indian	Others	Total	Fijian	Indian	Others	Total
		•			·		-			7	1 (2 a - 1 h 1 a	
1. Ba District (continued)			:	N			2 x					
Nukuloa	55	769	. 0	824	. 8	124	0	132	6.9	6.2		6.2
Qara	183	0	. 0	183	29	0	0	29	6.3	- 0.2		6.3
Qerelevu	0	453	. 0	453	0	64	0	64	-	7.1	2	7.1
Rarawai Dam	0	135	0	135	0	23	0	23	_	5.9	42.00	5.9
Rarawai Rural	24	1,257	1	1,282	3	215	0	218	8.0	5.8		5.9
Sarava	46	726	1	773	7	121	0	128	6.6	6.0	*	6.0
Sasa Village	238	0	0	238	43	0	0	43	5.5	-	/	5.5
Savusavu	19	239		258	4	42	0	46	4.8	5.7		5.6
Solosolo	134	156	ŏ	290	15	23		38		6.8		7.6
Sorokoba Village	280	0	6	286	45	0	1	46		_	6.0	
Talaya	3	381	9	393	0	57	1	58		6.7		6.8
Tauvegavega	24	589	5	618	5	111	ì	117	4.8		5.0	5.3
Vadravadra Village	262	0	1	263	46	0		46			2.0	5.7
Valele	3	286	0	289	1	54	4.0	55			a jara	5.3
Vaqia	11	686	0	697	1	117		118				5.9
Varadoli	1	291	0	292	1	49		50				5.8
Varavu	31	765	3	799	8	114		122			4 <u>1</u> 45 (2)	6.5
Varoko	100	531	12	643	13	93		108			6.0	6.0
Vatuyaka	35	870		905	4	146		150			- 0.0	6.0
Vatusui	1	570		571	0			93		6.1		6.1
Veisaru	275	1,631	1	1,907		271		316				6.0
Votua	15	383		398	1	61		62				6.4
Votua Villagee	544	0		545		-		73			· [7.5
Vunisamaloa	1	439		440		80		81				5.4
Vutuni Creek	2			547	o			94		5.8		5.8
Waibuka	. 0			261	0			47		5.6		5.6
Wailagi	0			143	. 0			24		6.0		6.0
Wailailai	30			929				177				
Waiwai	49			515				80				6.4
Yalaleyu	44			947				165				5.7
Other Communities	330			1,182				196				6.0
Central Ward	75			712		1.6						
Namosau Ward	267			1,356								
Rarawai Ward	609			1,167			4 4	183				and the second
Varadoli Ward	199						. *					
Yalalevu Ward	315			1,354				4.4				
Other Urban Area	423			3,745								
Total of Ba District	6,787	37,100	529	44,416	1,082	6,499	94	7,675	6.3	5.7	5.6	5.8

Table E-2.2 POPULATION AND NUMBER OF HOUSEHOLDS BY COMMUNITIES IN THE STUDY AREA (1986 CENSUS) (3)

A. Ba Province (continued)

			Popul	ation	-	Num	ber of H	louseho	lds	Ave	rage Fa	mily Si	ze
District/ Community		Fijian	Indian	Others	Total	Fijian	Indian	Others	Total	 Fijian	 Indian	Others	Total
· · · · · · · · · · · · · · · · · · ·													
2. Magodro District													
Balevuto		77	930	0	1,007	12	146	0	158	6.4	6.4	-	6.4
Balevuto Village		164	1	. 0	165	25	0	0	25	6.6	-	-	6.0
Bukuya Village		485	0	0	485	72	0	0	72	6.7	-	-	6.
Nadevo Village		97	0	0	97	16	0	0	16	6.1	-	-	6.
Nadrugu Village		131	: 7	0	138	20	0	0	20	6.6	-		6.
Nalotawa Village		62	0	0	62	- 8	. 0	0	8	7.8	-	-	7.
Namau		17	598	0	615	. 1	90	0	91	17.0	6.6		6.
Nanuku Village		110	0	8	118	19	0	1	20	5.8	-	8.0	5.
Nasivikoso Village		379	0	0	379	49	0	0	49	7.7	-		7.
Navaga Village		64	0		64	12	0	0	12	5.3	_	-	5.
Navilawa Village		81	0	0	81	17	0	0	17	4.8	-	-	4.
Nukuloa		12	371	1	384	2	62	0	64	6.0	6.0	-	6.
Tabalei Village	:1	161	0	0	161	25	0	0	25	6.4	-	-	6.
Tabataba		61	555	1	617	5	105	0	110	12.2	5.3	• •	- 5.
Tabuquto Village	Ċ	66	0		66	8	0	0	8	8.3			8.
Yoge		20	224	0	244	. 4	27	. 0	31	5.0	8.3	-	7.
Toge Village		228	. 0	1	229	38	0	0	38	6.0	-	**	6.
Tukuraki		42	. 0	0	42	7	0	0	7	6.0	-	-	6.
Vatawai	21	111	79	0	190	12	12	. 0	24	9.3	6.6	· -	7.
Virara		118	9	1	128	20	1	0	21	5.9	9.0	۰ -	6.
Yaloku Village		98	0	0			0	0	18	5.4			5.
Other Communities		496								6.4	5.0	7.0	5.
Total of Magodro Dist	rict	3,080	3,008	19	6,107	468	490) 2	960	6.6	6.1	9.5	. 6
3. Tavua District				*									
Asiasi		64	929	1	994	12	: 147	7 1	160	5.3	6.3	3 1.0) 6
Balata		12											
Buyabuya Village	.1	108										_	5
Dakavono		4					-					5 -	5
Davota		12											
Drumasi		1									6.3		ϵ
Koro No.1		57											7
Koro No.2		62											6
Koro Village	£	98											7
Koroboya Village		206			1.0							_	. 7

Table E-2.2 POPULATION AND NUMBER OF HOUSEHOLDS BY COMMUNITIES IN THE STUDY AREA (1986 CENSUS) (4)

A. Ba Province (continued)

District/		Popul	ation		Num	ber of H	louseho	lds	Ave	rage Fa	mily Si	ze
Community	Fijian	Indian	Others	Total	Fijian	Indian	Others	Total	Fijian	Indian	Others	Tota
. Tavua District (continued)												
,	4											
Korovou	93	323	. 0	416		63	. 0	75	7.8	5.1	- ,,	5
Korovou Village	236	. 0	: 1	237	. 45	0	. 0	45	5.2	- 700	-	5
Kukunirewa	0	168	1	169	0	29	0	29	•	5.8		5
Lousa	.7	536	. 0	543	1	. 89	. 0	90	7.0	6,0		6
Lewa Village	77	0	1	78	14	0	0	14	5.5		·	, . 5
Lubulubu	3	411	. 1	415	. 0	: 73	0	73	·	5.6		5
Malele	. 10	1,098	0	1,108	2	191	. 0	193	5.0	5.7		5
Maqere	4	498	1	503	1	85	. 1	87	4.0	5.9	1.0	. 5
Matalevu	0	396		398	0	73		- 73		5.4		5
Matanigata	. : 14	448			. 5	71	0		2.8			6
Mataniwai	. 0	247	1	248	0	43		44	- .	5.7	1.0	
Nabuna Village	- 88	0	0			0	0	14	6.3	-	i - i .	. (
Nadala Village	359	. 1	5	365	58	. 0	2	60	6.2	- 1,	2.5	(
Nadarivatu	116	11	0	127	19	2	0	21	6.1	5.5	-	. (
Nadelei Village	305	0	0	305	43	-, 0	0	43	7.1	F	√ -	
Nagatagata	52	0	4	56	10	. 0	: . 2	- 12	5.2	-	2.0	
Natawa	81	399	. 1	481	- 11	72	. 1	- 84	7.4	5.5	1.0	
Natolevu	87	. 36	- 0	123	17	6	. 0	23	5.1	6.0	· •	
Vatutavui Village	156	. 1	0					26			-	(
Navai Village	215		1					44			1.0	44.7
Navala Village	484		0					73				
Qalela	2	-	-						-	6.2	1.0	
Rakavidi	8								8.0		1.0	
Rukuruku	179			-			_					
Tagitagi	89		_									
Toko	289											
Vatia	94											
Vatubo	95											
Vuqele	41										2.0	
Waikatakata	: 95									-		
Waikona	7							57				1 1
Waikubukubu Village	158										7.0	9.2
Wainivocea	7										1.0	100
Yaladro	194										11.5	
Other Communities	826										4.0	
Tavualevu Village	835											and the second
Vatukoula Urban Area	3,248							130			9.0	A CONTRACTOR
Other Urban Area	3,240 207										ing a market of	
Total of Tavua District	9,385	15,182	942	25,509	1,527							٠.
Total of Ba Province						·	-					
in the Study Area	10.050	66.000	. 4 400	76,032		9,584		12,960	6.3	5.8	5.0	

Table E-2.2

POPULATION AND NUMBER OF HOUSEHOLDS BY COMMUNITIES IN THE STUDY AREA (1986 CENSUS) (5)

B. Ra Province

District/		Popul	ation		Num	ber of H	ousehol	ds	Ave	rage Fa	mily Si	ze
Community	Fijian	Indian	Others	Total	Fijian	Indian	Others	Total	Fijian	Indian	Others	Total
1. Rakiraki District												
Balata	3	321	. 1	325	1	60	1	62	3.0	5.4	1.0	5.2
Caulasi/Colosi	0	375	0	375	. 0	. 65	0	65	-	5.8	-	5.8
Drauniivi	37	132	2	171	. 9	20	1	30	4.1	6.6	2.0	5.7
Drauniivi Village	324	0	5	329	58	0.	2	60	5.6	-	2.5	5.5
Ellington	27	949	. 0	976	. 6	149	0	155	4.5	6.4	-	6.3
Gallau	0	650	- 2	652	0	113	1	114		5.8	2.0	5.7
Kavuli	10		1	449	0	77	1	78		5.7	1.0	
Korotale	0	141	0	141	0	23	0	23		6.1		6.1
Lobau	3	140	0	143	1	22	0			6.4	-	6.2
Malake Village	351	: 1	1	353	66	0	0	66		-		5.3
Mullau	13	455	2	470	2	70	0	72		6.5		6.5
Naivunivuni Village	170	1	0	171	31	0	0	31	5.5			5.5
Nakorokula Village	82	0	_	82	. 18	0	_	18		-	· -	4.6
Namuaimada Village	218	0	_	219	33	0		33		-	-	6.6
Nananu Village	204	0	_	204	28	0		28		-		7.3
Nanuku	9	508	0	517	2	87	0	89		5.8	·	5.8
Narewa	2		-	197		32		34		6.1	-	5.8
Narewa Village	102	0	0	102		0	_	19				5.4
Naria	20		0	683		115		118		5.8	-	5.8
Nasayani Village	201	. 0		204		0		31		-	-	6.6
Navolau No.1 Village	240			240		0		49		-		4.9
Navolau No.2 Village	152			152		0		27		· - .	-	5.6
Rabulu Village Rabulu	115 71	210		115		0	_	20		 	1.0	5.8
	0	319 147		391 . 147		59 27		75 27		5.4 5.4	1.0	5.2
Raravatu Togovere Village	187	0		188				39			1.0	5.4
Vatusekiyasawa Village	215			216							1.0	4.8 5.3
Vitawa	140					17	. 0	41		7.8	- 1.0	5.5 6.6
Vitawa Village	207	. 132		207		0		41		1.0		5.0
Vitivanua	1	_	_	225		32		33		7.0	1.0	6.8
Volivoli		502		509		86		87			1.0	5.9
Vunitogoloa Village	236					0		47			_	5.1
Wailevu	230							51		6.2		6.2
Wairuku	9							87			_	5.6
Waimari	39			455				64				7.1
Other Communities	288			1,040				186			4.3	5.6
Rakiraki Village	475							79				6.1
Other Urban Areas	488							547			4.9	5.3
Total of Rakiraki		,		-,00			7					0.0
District	4,645	10,495	185	15,325	836	1,811	43	2,690	5.6	5.8	4.3	5.7

Table E-2.2 POPULATION AND NUMBER OF HOUSEHOLDS BY COMMUNITIES IN THE STUDY AREA (1986 CENSUS) (6)

B. Ra Province (continued)

District/ Community 2. Saivou District	Fijian	Indian	Others	Total	FREE L							
			0 11010		rillan	Indian	Others	Total	Fiiian	Indian	Others	Total
2. Saivou District									,			
2. Saivou District				•			-					
												the second
Barotu	75	394	0	469	13	60	. 0	73	5.8	6.6	-	6.4
Barotu Village	123	0	0	123	16	0	0	16	7.7	-	* * * * * * * *	7.7
Burelevu Village	16	0	0	16	2	0	. 0	2	8.0		7 1 1	8.0
Dokonavatu	204	106	5	315	34	17	1	52	6.0		5.0	6.1
Korotale	42	302	0	344	7	45	0	52	6.0		<u>-</u>	6.6
Madhivani	2	237	0	239	. 0	- 36	0	36	-	6.6	-	6.6
Nabalabala Village	52	0	0	52	9	0	0	9	5.8		- 1.5	5.8
Nabalesoro Village	52	0	0	52	12	0	0	12	4.3	-		4.3
Nailawa Village	68	0	0	68	12	0	0	12	5.7		- '	5.7
Nailuva Village	211	0	1	212	22	0	0	22	9.6			9.6
Naiserelagi Village	91	0	0	91	17	0	0	17	5.4	-		5.4
Naivutu Village	95	0	. 0	95	15	. 0	. 0	15	6.3		· :	6.3
Namara Village	107	0	0	107	24	0	0	24	4.5	· ± .		4.5
Namataveikai Village	151	0	0	151	23	0	0	23	6.6		=	6.6
Nanukuloa Village	203	. 0	0	203	·. 43	0	: 0	43	4.7	- 1	j*a = 111 j	4.7
Naqelecibi Village	96	0	0	. 96	10	0	0	10	9.6	-	- 4	9.6
Narara Village	30	0	0	30	6	. 0	0	. 6	5.0	-		5.0
Nararavou Village	20	0	0	20	. 5	0	: 0	5	4.0			4.0
Nasavu Village	- 54	0	. 0	54	8	. 0	0	:: 8	6.8	-	- ,	6.8
Nativu Village	149	0	0	. 149	26	0	0	26	5.7	- '	·	5.7
Nauria Village	107	0	0	107	15	0	0	: 15	7.1		erij <mark>a</mark> i re	7.1
Navuniyaumunu Village	83	1	0	84	14	0).: 0	14	5.9	1 <u>2</u> 1		6.0
Nayaulevu Village	102	. 1	0	103	15	. 0	0	15	6.8	- :-	· - ·, ,	6.9
Nokonoko Village	235	0	1	236	36	C	1	37	6.5	-	1.0	. 6.4
Raviravi Village	83	0	0	83	15	C	0	: 15	5.5		+ 🗼	5.:
Rewasa	14	336	1	351	3	54	0	57	4.7	6.2		6.2
Rewasa Village	219	0	0	219	39	(0	39	5.6	_ 5		5.6
Rokoroko Village	86	1	0	87	13	(0	13	6.6		- : ·	6.
Taina	16	105	0	121	2	18	3 0	20				6.
Tuvavatu	2			459		80		81				5.
Vaidoko Village	58			58		(. 10			- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	5.8
Vatukacevaceva Village	198		0			(0				:	4.
Vunisea Village	. 59			59				12			-	4.5
Other Communities	1,638			2,058				330			3.0	- 1
Total of Saivou District	4,741	2,348	20	7,109	783	374	1 6	1,163	6.1	6.3	3.3	6.
Total of Ra Province								in the second		en e	Television Liste in s	Arrest Stan
in the Study Area Total of	9,386	12,843	205	22,434	1,619	2,18	5 49		5.8	5.9	4.2	5.
the Study Area	28 638	68 133	3 1,695	98 466	4.696	11.769	348	16,813	6.1	5.8	3 4.9	5.

Source:

Population Census 1986, Vol.2, Bureau of Statistics

Table E-2.3 POPULATION, NUMBER OF HOUSEHOLDS, FAMILY SIZE, AND WATER CONSUMPTION AND SOURCES ACCORDING TO THE COMMUNITY IN THE QUESTIONNAIRE SURVEY AREA

				86 Census	Family	in	onsump 1992			٠.	crved by (%)	Water Source	
		of Province/ Community	Popu- lation He	Nos. of	Size (p/hh)	Low	High (lpcd)	Middle		iny Season Comm. Oti	hers	Dry Se Regional Con	
	Provin		Intion 190	uscroto	Dylan)		ірсаў		ACEION INC.	COILER. OX		regional con	III. OTICIS
	Tiking	Scnai .	581	89	6.53	60	100	80	0	80	20	0	80 2
		Bilolo	716	112	6.39	60	140	100		30	70	ŏ	10 9
3 B		Caravi	694	118	5.88	90	110	100	. 0	. 37	63	0	37 6
		Coronubu	997	178	5.60	80	100	90	87	0	13	88	0 1
		Cumkum	305 549	49 90	6.22	80 120	180	130	10 17	0	90 83	20 10	0 8
		Moto Nabatolu	346	56	6.10 6.18	40	100	70		Ö	100	0	0 10
		Vakavika	121	27	4.48	50	80	65	0	. 0	100	0	0 10
9 B		Vatunuku Village	151	26	5.81	40	90	65	0	0	100	0	0 10
		Navau	508	90	5.64	80 40	100	90	20 54	0 · 20	. 80 26	10 0	.0 9 10 9
1 B		Navoli Qerelevu	1,067 453	195 64	5.47 7.08	50	150 90	95 70	34	67	33	0.	40 6
		Fauvegavega	618	117	5.28	70	140	105	65	0	35	50	0 5
14 B	- 57	Vatuyaka	905	150	6.03	80	130	105	40	0	60	13	0 8
		Vatusui	571	93	6.14	80	140	110	0	*00	100	0	0 10 100
16 B		Vutuni Creek Number	547 16	94 16	5.82 16	50 16	80 16	65 16	16	100	0 16	16	16
		Total	9,129	1,548	5.90	1.070	1,880	1,475	293	334	973		<i>277</i> 1,11
		Average	571	97	5.90	67	118	92	18	21	61	12	17 7
	_												
	avus Ti	kina Balsta	476	81	5.90	50	100	75	0	0	100	0	0 10
2 T		Davota	453	65	6.97	30	50	40	0	70	30	0	0 1
3 T		Drumasi	478	76	6.29	40	80	60		0 .	100	0	0 10
4 T		Korovou Settlement	416	75 45	5.55	60	100	70 80		100	100	0.	0 16 40
5 T		Korovou Village Kukunirewa	237 169	29	5.83	40	80	60			100	. 0	
扩		Lousa	543	90	6.03	40	100	70		0	100	0	0 1
8 T	- 15	Lubulubu	415	73	5.68	20	80	50		, 0	70	0	0 1
9 T		Malele	1,108	193	5.74	50	100	75 100		0	100 20	0	0 to 80
10 T 11 T		Maqere Matalevu	503 398	73	5.78	80 30	120 70	50		0	100		0 1
12 T		Matanigata	462	76	6.08	30	200	115		ő	100	0	0 1
13 T		Natawa	481	84	5.73	30	180	105	95	0	5	95	.0
14 T		Natolevu	123	23	5.35	50	100	75			100	0	0 1 50
15 T		Qalela	558 275	91 50	6.13 5.50	130	200	165 75			20 10	0	50 0 1
16 T		Rakavidi Vatis	373	61	6.11	40	90	/ 65			100	ŏ	0 1
18 T		Vuqele	503	72	6.99	50	130	90	0	. 0	100	Ó.	0 1
19 T	- 40	Wainivocea	354	59	6.00	50	100	75			20	0 .	50
20 T		Nasomo village	UA.	UA	U.B.	100	140	120			0 100	0.	50 0 1
21 T		Tokoloa Malotu	ua. Ua	UA UA	ua, ua	50	<u>100</u>	75			100	ő	- 0 · 1
23 T		Garampani	ua	ua.	ųa.	30	100	65			100	0	0 1
24 T		Lololevu	ua	U4	VA	50	90	70			100	0	0 1
		Number	19	19	19	24	24	24			24 1,675	24 95	24 270 2,0
.		Total Average	8,327 438	1,403 74	5.94 5.94	1,210 50	2,550 106	1,880 78	125	600 25	70	93 4	270 2,0. 11
1		Avciage	1 430	. 17	3.74	1 20						·	
io. V	oda Ti											,	
1 V		Raviravi	1,878	346	5.43	60	100	80			100		0 1 93
2 V		Tavarau	972	173	5.62 5.36	130	170 130	150 115			6 100		. 93 0 I
3 V	. 3	Tuvu Number	739	138	3.36	3	130	113	1 1		3		3
	<u></u>	Total	3,589	657	5.46	290	400	345		-	206	0	93 2
	· · · · · · · · · · · · · · · · · · ·	Average	1,196	219	5.46	97	133	115	1	31	69	0	31
\neg			,										
	ta Prov	ince ii Tikina											
NO. IN		Draunivi	171	30	5.70	50	100		5 (100		0
2 R	₹ - 4	Ellington	976	155	6.30		90	70	ö c		100		0
3 R		Kavuli	449	78	5.76		100				70		.10 20
4 R		Namuku Narewa Village	517 102	89 19	5.81 5.37	50 30	100				50		30
		Naria	683	118	5.79		80	6	0 (100	0	0
5 R		Rabulu	391	75	5.21	40	90	6	5 (100		0
5 R 6 R 7 R		Raravatu	147	27	5.44		90				100		0
6 R	R - 20		272	41	6.63 5.05		100			0 60	40 0		25 30
6 R 7 R 8 R 9 R	R - 20 R - 23	Vitewa		41			100			0 0	100		0
6 R 7 R 8 R 9 R	R - 20 R - 23 R - 24	Vitewa Vitewa Villago	207	41 33		. 40				0			0
6 R 7 R 8 R 9 R 10 R	R 20 R 2 R 2 R 2 R 2	3 Vitawa Vitawa Villago 5 Vitivanua 5 Volivoli	207 225 509	41 33 87	6.82 5.85	60	100				100		
6 R 7 R 8 R 9 R 10 R 11 R 12 R	R - 20 R - 22 R - 25 R - 25 R - 26	S Vitawa I Vitawa Villago I Vitivanua S Volivoli 7 Vunitogoloa Villago	207 225 509 239	33 87 47	6.82 5.85 5.09	60 40	100 90	6	5	100	C	0	95
6 R 7 R 8 R 9 R 10 R 11 R 12 R 13 R	R - 20 R - 22 R - 24 R - 26 R - 26 R - 27	Vitawa Vitawa Village Vitivanua Volivoli Vunitogoloa Village	207 225 509 239 ua	33 87 47 us	6.82 5.85 5.09 ua	60 40 50	100 90 100) 6	5	9 100	100	0	95 0
6 R 7 R 8 R 9 R 10 R 11 R 12 R 13 R 14 F	R - 20 R - 22 R - 25 R - 25 R - 26 R - 27 R - 37	Vitawa Vitawa Village Vitivariua Volivoli Vurnitogoloa Village Dociu Nuculaca	207 225 509 239 ua	33 87 47 ua	6.82 5.85 5.09 ua	60 40 50 50	100 90 100 100) 6) 7) 7	5 (5) 15	9 100 0 0 0 50	100 50	0 0	95 0 20
6 R 7 R 8 R 9 R 10 R 11 R 12 R 13 F	R - 20 R - 22 R - 25 R - 25 R - 26 R - 27 R - 37	Vitawa Vitawa Village Vitiawa Village Vitiawaa Volivoli Vunitogoloa Village Dociu Nuculaica Naturaa	207 225 509 239 ua ua	33 87 47 88 88 88 88	6.82 5.85 5.09 ta ua	50 50 50 50	100 90 100) 6) 7) 7	.5 (!5	0 100 0 0 0 50 0 0	100	0 0	95 0
6 R 7 R 8 R 9 R 10 R 11 R 12 R 13 R 14 F	R - 20 R - 22 R - 25 R - 25 R - 26 R - 27 R - 37	Vitawa Vitawa Village Vitivariua Volivoli Vurnitogoloa Village Dociu Nuculaca	207 225 509 239 ua	33 87 47 ua	6.82 5.85 5.09 ua	50 50 50 50 16 760	100 90 100 90 90 16 1,510) 6) 7) 7) 7 ; 1	5 (6 1 S	0 100 0 0 0 50 0 0 6 16 0 490	100 50 100 100 1,110	0 0 0 0 0 0 0	95 0 20 0 16 230 1,
6 R 7 R 8 R 9 R 10 R 11 R 12 R 13 R 14 F	R - 20 R - 22 R - 25 R - 25 R - 26 R - 27 R - 37	Vitawa Vitawa Village Vitiwanua Volivoli Vunitogoloa Village Dociu Nuculáca Number	207 225 509 239 ua ua ua 13	33 87 47 ua ua 13	6.82 5.85 5.09 ua ua 13	50 50 50 50 16 760	100 90 100 100 90) 6) 7) 7) 7 ; 1	5 (6 1 S	0 100 0 0 0 50 0 0 6 16 0 490	100 50 100 100	0 0 0 0 0 0 0	95 0 20 0
6 R 7 R 8 R 9 R 10 R 11 R 12 R 13 R 14 F 15 F	R - 20 R - 23 R - 24 R - 25 R - 25 R - 27 R - 33 R - 32	Vitawa Vilage Vitawa Village Vitawa Village Volivoli Vunitogoloa Village Dociu Dociu Nocutaca Natura Number Total Average	207 225 509 239 ua ua ua 13 4,888	33 87 47 ua ua 13 840	6.82 5.85 5.09 ua ua ua 13 5.82 5.82	50 50 50 50 16 760	100 90 100 90 90 16 1,510) 6) 7) 7) 7 ; 1	5 (6 1 S	0 100 0 0 0 50 0 0 6 16 0 490	100 50 100 100 1,110	0 0 0 0 0 0 0	95 0 20 0 16 230 1,
6 R 7 R 8 R 9 R 10 R 11 R 12 R 13 R 14 F 15 F	R - 20 R - 23 R - 24 R - 25 R - 25 R - 27 R - 33 R - 32	Visawa Visawa Visawa Visawa Visiwamua S Volivoli Vuminogoloa Village I Dociu I Noculaca S Natuna Number Total Average	207 225 509 239 ua ua 13 4,888 376	33 87 47 us us us 13 840 65	6.82 5.85 5.09 ua ua 13 5.82 5.82	50 50 50 50 16 760 48	100 90 100 90 90 16 1,510 94) 6) 7) 7) 7 5 1	5 (5) 6 (1) 1 (2)	9 100 0 0 0 50 0 0 6 16 0 490 0 31	100 50 100 100 1,110	0 0 0 0 0 0 16 0	95 0 20 0 16 230 1,
6 R 7 R 8 R 9 R 10 R 11 R 12 R 13 R 14 F 15 F	R - 20 R - 23 R - 24 R - 25 R - 25 R - 27 R - 33 R - 32	Vitawa Vilage Vitawa Village Vitawa Village Volivoli Vunitogoloa Village Dociu Dociu Nocutaca Natura Number Total Average	207 225 509 239 ua ua ua 13 4,888	33 87 47 ua ua 13 840	6.82 5.85 5.09 ua ua ua 13 5.82 5.82	50 50 50 50 16 760 48	100 90 100 90 90 16 1,510) 6) 7) 7) 7 ; 1	5	0 100 0 0 50 0 0 6 16 490 0 31	100 50 100 100 1,110 69	0 0 0 0 16 0 0	95 0 20 0 16 230 1,

Note: ua = unavailable, Regional = Regional water supply, Comm.= Communal water supply

Table E-2.4 MAIN OCCUPATIONS AND A VERAGE INCOME OF HOUSEHOLDS IN TIKINAS SURVEYED BY A QUESTIONNAIRE CARRIED OUT IN THE STUDY AREA (SURVEYED IN 1993)

		pation of Mai	n Income	(Q5)	Avera	ge Incor	ne per Mon	th / Ho	uscho	old	(unit :	F\$/mo	nth)
	Wage Labour			-									
	Private & Agri Public S. & Fi		Agri. & Fish	less 50	50- .75	75- 100	100- 150- 150- 200						Average
Be Province	raone s. ceri	si Commer.	1181	30		100	130 200	.,,,,,	100	300	1000		пкот
Ba Tikina		(Percent)					(Percent)						(F\$/M
B - 2 Benai	1	0 1	98 0	0	0	1	98 0		0	1	0	·	12
B - 3 Bilolo	3	0 1	96 0	0	96	0	0 1	2	0	1	0	0	7
B 9 Karavi	24	0 . 5	71 0	71	0	0	0 5		0	2	0	0	. 9
B - 10 Koronubu	4	0 4	92 0	60	7	3	19 7	3	0	ï	. 0	. 0	7
B 13 Kumkum	5	3 2	90 0	0	90	2	5 0	0	2	1	0	0	7
B - 18 Moto	10	4 1	85 C	0	85	Ö	0 4	8	. 0	2	. 0	1	
B - 19 Nabatolu	2	0 0	98 0	0	99	0	0 1	0	. 0	0	0	0	6
B - 24 Nakavika	3	0 0	17 80	*	_ 0	0	17 0	3	0	0	. 0	. 0	. 4
B - 32 Natunuku Village	2	9 0	3 86		0	0	10 2		0	0	. 0	୍ଠା	3
B 35 Navau	2	0 2	96 (2	. 0	. 0 0	_	0	. 0	0	0	. 2
B - 37 Navoli	5	13 1	81 (0	13	_. 5 0		0	0	1.	0	4
B - 41 Qerclevu	<u>.</u>	0 0	99 (1	. 0	0	1 0	-	0	0	0	0	2
B · 50 Tauvegavega	49	0 2	0 49		0	0	0 27		0	0	24	. 0	24
B - 57 Vatuyaka	6	2 0		91	2	. 0	0 1		· . 1	2	. 0	0	4
B - 58 Vatusui	4	7 2	87 (0		7 3		0	. 1	0	. 0	4
B - 63 Vutuni Creek	7	0 0	93 (0 0	93	7	0 0	0	0	Ō	0	0	6
erage of Ba Tikina	8	2 1	75 13	3 50	30	2	10 3	3	0	1	2	0	7
	lY			71 72.					. •	•	<i>,</i> 15	۳۱	
Tayua Tikina											:		
l T - 2 Balata	0	60 0		0 0			60 0		. 0	0	0	이	17
2 T - 5 Davota	0	0 3	,	0 0	Ó		0 97		0		3	. 0	15
T - 6 Dremasi	0	0 15		0 10			0 (0		0	0	36
T - 11 Korovou Seulement	0	30 0		0 0			30 (70		0	0	28
T - 12 Korovou Village	14	0 3		0 86			0 (0		0	[0]	
T - 13 Kukunirewa		100 0		0 0			. 0 (. 0		. 0	oj	
7 T - 14 Lousa	32	16 5		0 0			.0 0	0	0	0	. 0	. 0	1, 🖸
8 T - 15 Lubulubu	20	60 10	10	0 0	0	100	0 0	0 🖟	0	0	0	- 0	
T - 16 Malele	0	0 6	94	0 0	0	Ö	0 (94	6	Ô	0	0	25
0 Т - 17 Ма q ете	10	7 3	80	0 0	95	0	5 (0 (. 0	.0	. 0	0	
1 T - 18 Matalevu	10	40 0	50	0 0	40		9 50) - 1	0	0	0	0	12
2 T - 19 Matanigata	21	36 2		0 0	35	5	40 (20	0	Ö	0	- 0	12
3 T - 25 Natawa	10	80 5	5	0 0	70	5	5 10	10	0	Ò	Ó	0	- 5
4 T - 26 Natolevu	0	0 0	100	0 0	C	0	0 100) 0	0	. 0	0	. 0	17
5 T - 29 Qalela	l l	98 1		0 0			0 (70	0	. 0	0	0	20
6 T - 30 Rakavidi	0	0 0		0 0		0	100 () 0	0	0	0	0	12
7 T - 34 Vatia	2	1 1	96	0 99			. 0 (1	0	0	0	o	2
8 T - 36 Vuqele	0	0 40	60	0 0	0	0	0 40	60	0		Ô	. 0	22
9 T - 40 Wainivocea	0	0 0		0 0			. 0 (100	0	0	0	0	24
O T - 42 Nasomo village	24	31 0	45	0 67	0	0	8 2	1	. 1	.0	0	. 0	7
1 T - 43 Tokoloa	30	0 0		0 0			70 30) ()	_		0	0	. 10
2 T - 44 Malotu	0	_04	96	0 0			100	0			0	. 0	12
T - 45 Garampani	7	59 0		0 0				١ 0	-	- 7.	0	0	14
4 T - 46 Lololevu	0	45 3	52	0 75	0	0	. 0. 2;	2 0	0	3	0	. 0	1
verage of Tavna Tikina	8	28 4	61	0 14	16	. 8	20 1	7 17	3	3	. 0	0	1
				.* 4						-			
Vuda Tikina	ge												74
1 V - 1 Raviravi	17	0 1		0 0							. 1	이	10
2 V - 2 Tavarau	2	0 1		0 97			0	1 0			. 0	0	
3 V - 3 Tuvu	23	9 2	66	0 0	- 66	9	0 2	3 0	0	0	2	0	10
verage of Vuda Tikina	14	3 1	82	0 32	22	30	5	s 0	1	0	. 1	0	٠.,
	1			.**.						·		•	
Ra Province													
Rekiraki Tikina	g <u>.</u>		ه سنیوب سن	41							1.1.	ě.	
1 R - 2 Draunivi	0			0				0			0	0	
2 R - 4 Ellington	17	6 6		0 8							. 4	1	2
3 R - 6 Kavuli	30	35 10		0 2							0		1
4 R - 13 Nanuku	. 8	21 2		0 17							0		1
5 R - 15 Narewa Village	36	. 0 . 4		0 0				0 0					<u>. 1</u>
6 R - 16 Naria	28	36 1		0 47		0							1
7 R - 19 Rabulu	12	5		0 25									2
8 R - 20 Raravatu	23			0 20		2 0		0 56					$\bar{1}$
9 R - 23 Vitawa	8	1 (0 10		52		6 0					ī
10 R - 24 Vitawa Village	60	0 10		0 80) (0 0				0	
11 R - 25 Vitivanua	1	3 (0 40		20		0 0	40	0	. 0	. 0	1
12 R - 26 Volivoli	12		l 62	0 31	:	5 12	39	0 . 7	. 6	0	0	0	ï
13 R - 27 Vunitogoloa Village	5	95 (0 1.	(85		0 0) 0			
14 R - 31 Docia	10	10 (0 80	0 3		0		0 65	C				
15 R - 32 Nuculaca	19		2 71	0 17		0		0 0		* *			i
16 R - 33 Natunu	6		2 84	0 10) (0 0					1
					,		100						i
verage of Rakiraki Tikina	17	16 .	3 63	0 2	· :	3 19	22	8 12	9) 2	2	. 0	1
verage of Survey Area	11	16	3 66	4 2	7 1	7 16	17 (t 11	1 4	1 2	1	0	1

Table E-2.5 DISTANCE TO WATER SOURCES AND TIME SPENT FETCHING WATER

	ame of Province/		Distance to Wa Rainy Season	ter Source	es (m) Dry Se	asor .	······································	Time use Rainy S		hing Water	(hrs/day) Dry Seas	on .	
. Т	ikina/Community	R	C (5	R	C	0		C	0		C	
Be P	rovince												
	Nikina .			_1							0.0	0.1	2
1 B -	2 Bensi 3 Bilolo	0	10 1	5	0	. 10	500 50	0.0	0.1 0.0	0.6	0.0 0.0	0.1 0.0	ő
2 B -	9 Karavi			5	0		10	0.0	0.0	0.1	0.0	0.0	0
4 B	10 Koronubu	ŏ		ŝ	0	30	E	0.0	0.3	0.4	0.0	0.3	Bio
5 B -	13 Kurnkum	0	0 2		0	0	100	0.0	0.0	0.2	0.0	0.0	ĵ
В -	18 Moto	0		b	0	0	500	0.0	0.0	0.0	0.0	0.0	ź
В	19 Nabatolu	0	0 70		0	0	800	0.0	0.0	1.5	0.0	0.0	2
В -	24 Nakavika	0	0 20		0	. 0	200	0.0	0.0	5.5	0.0 0.0	0.0	<u>6</u>
B -	32 Naturuku Village 35 Navau		0 20		.0.	0	300 E	0.0	0.0	0.5	0.0	0.0	E
B	37 Navoli	tö		7	ŏ,		E	0.0	0.0	0.4	0.0	0.0	E
В -	41 Qerelevu	0	0 50	ò	o	. 0	600	0.0	0.0	2.0	0.0	0.0	2
B -	50 Tauvegavega	0	0 15		0	0	600	0.0	0.0	0.8	0.0	0.0	3
В.	57 Vatuyaka	0	0 30		0	. 0	Е	0.0	0.0	2.0	0.0	0.0	F
В	58 Vatusui	0	0 <u>1</u> 0	0	0	0	2,000	0.0	0.0	0.5	0.0	0.0	. (
5 B	63 Vutuni Creck Number	16		6	16	16	12	16	16	16	16	16	· <u>.</u>
	Total	0	40 2,30		0	40	5,660	0.0	0.4	15.7	0.0	0.4	24
	Average	o	3 14		0	3	472	0.0	0.0	1.0	0.0	0.0	2
		****											-
	ua Tikina												
T		0.		0	. 0	0	600	0.0	0.0	2.0	0.0	0.0	- 3
T -	5 Davota	ļ <u>0</u>		0	0	0	2,800 4,000	0.0	0.0	0.0	0.0	0.0	
T T	6 Drumasi 11 Korovou Settlemen		0 15 0 1,00			0 .	1,500	0.0	0.0	2.0	0.0	0.0	
T	12 Korovou Village	0		0	0	10	1,600	0.0	0.0	0.0	0.0	0.5	:
Ť.	13 Kukunirewa	- ₀	0 20		0	0	E	0.0	0.0	1.0	0.0	0.0	E
T -	14 Lousa	Ö	0 10		0	0	E	0.0	0.0	0.5	0.0	0.0	E
T	15 Lubulubu	0		O	0	0	Е	0.0	0.0	0.0	0.0	0.0	Ei
Τ-	16 Malcle	0	0 10		0	0	E	0.0	0.0	0.5	0.0	0.0	E
T -	17 Magere	0		0	0	0	F.	0.0	0.0	0.4	0.0	0.0	H
T .	18 Matalevu	9	0 22		.0	0	E	0.0	0.0	1.2	0.0	0.0	E
T :	19 Matanigata			<u>نو</u>	0	0	Е	0.0	0.0	0.3 1.5	0.0	0.0	E1
T -	25 Natawa 26 Natolevu		0 85		ö	0	1,000	0.0	0.0	1.0	0.0	0.0	131
T -	26 Natolevu 29 Oalela			0		0	1,000 E	0.0	0.0	0.0	0.0	0.0	н
T -	30 Rakavidi	0	- ····ŏ · ···	Ö	0	0	2,800	0.0	0.0	0,0	0.0	0.0	
Ť.	34 Vatia	0		10	0	0	E	0.0	0.0	1.0	0.0	0.0	Bi
T	36 Vuqele	0	0 1,0	0	0	0	Е	0.0	0.0	0.5	0.0	0.0	El
9 T ·	40 Wainivocea	0	0	0	0	0	700	0.0	0.0	0.0	0.0	0.0	
0 T -	-2 (1000tilo 111m2o	0	0	0	0	0	1,200	0.0	0.0	0.0	0.0	0.0	
IT-		0	0	0 25	0	0_	1,000 E	0.0	0.0	0.0	0.0	0.0	EI
2 T 3 T	44 Malotu 45 Garampani	0		33	0	0_	1,600	0.0	0.0	1.5	0.0	0.0	Ę.
1 T .	46 Lololevu	0		20			2,500	0.0	0.0	2.0	0.0	0.0	
·	Number	24		24	24	24	12	24	24	24	24	24	
	Total	0			0	10	21,300	0.0	0.2	16.1	0.0	0.5	2
	Average	0	0 2	33	0	0	1,775	0.0	0.0	0.7	0.0	0,0	
V	da Tikma												
Vud 1 V -		0	0	5	0	0	E	0.0	0.0	0.2	0.0	0.0	
2 V		o		o			0		0.0	0.0	0.0	0.0	•
3 V -		0		10	0	0	E	0.0	0.0	0.3	0.0	0,0	. 1
	Number			3	3	. 3	1	3		3 3	3	3	
	Total	0		15	0	0	0		0.0	0.5	0.0	0.0	
	Average Province	10	. 0	5	0	0	0	0.0	0.0	0.2	0.0	0.0	
		1											
Rai			0 1	10	0				0.0	1.0	0.0	0.0	
Rab	kiraki Tikina	n			v	0	600	0.0	Ų.U			0.0	
Rah 1 R -	kiraki Tikina - 2 Dravnivi	0				0	600 400		0.0	1.0	0.0		
Reh 1 R - 2 R -	kiraki Tikina		0 1	70 50	0	0	400 B	0.0	0.0	1.5	0.0	0.0	
Rah 1 R - 2 R - 3 R - 4 R -	kiraki Tikina - 2 Draunivi - 4 Eilington - 6 Kavuli - 13 Namuku	0 0 0	0 1 0 3	70 50 40	0 0 0	0 0 0	400 E 40	0.0 0.0 0.0	0.0 0.0 0.0	1.5 1.0	0.0	0.0	
Rak 1 R - 2 R - 3 R - 4 R - 5 R -	kiraki Tikina - 2 Draunivi - 4 Eilington - 6 Kavuli - 13 Namuku - 15 Narewa Village	0 0 0 0	0 1 0 3 0 0	70 50 40 0	0 0 0 0	0 0 0	400 E 40 B	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	1.5 1.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	,
Rah 1 R - 2 R - 3 R - 4 R - 5 R - 6 R -	kiraki Tikina 2 Draunivi 4 Bilington 6 Kavuli 13 Nasuku 15 Naswa Village 16 Naria	0 0 0 0 0	0 1 0 3 0 0	70 50 40 0	0 0 0 0	0 0 0 0	400 E 40 B B	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	1
Rab 1 R - 2 R - 3 R - 4 R - 5 R - 6 R - 7 R -	kiraki Tikina 2 Draunivi 4 Ellington 6 Kavuli 13 Namuku 15 Namwa Village 16 Naria 19 Rabulu	0 0 0 0 0	0 1 0 3 0 0 0 0 0 0	70 50 40 0 30 80	0 0 0 0	0 0 0 0	400 E 40 B B	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	1
Rah 1 R - 2 R - 3 R - 4 R - 5 R - 6 R - 7 R - 8 R -	kiraki Tikina 2 Dravnivi 4 Ellington 6 Kavuli 13 Narauku 15 Narawa Village 16 Naria 19 Rabulu 20 Rarawau	0 0 0 0 0 0	0 1 0 3 0 0 0 0 0 0 0 0	70 50 40 0 30 80	0 0 0 0 0	0 0 0 0 0	400 E 40 B E E E	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5 1.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	1
Rah 1 R - 2 R - 3 R - 4 R - 5 R - 6 R - 7 R - 8 R - 9 R -	kiraki Tikina 2 Draunivi 4 Bilington 6 Kavuli 13 Nasuku 15 Narewa Village 16 Naria 19 Rabulu 20 Raravatu 23 Vitawa	0 0 0 0 0	0 1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	70 50 40 0 30 80	0 0 0 0	0 0 0 0	400 E 40 B B	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	1 1 1
Rah 1 R - 2 R - 3 R - 5 R - 6 R - 7 R - 8 R - 9 R -	kiraki Tikina 2 Draunivi 4 Ellington 6 Kavuli 13 Namuku 15 Namuku Village 16 Naria 19 Rabule 20 Raravatu 23 Vitawa 24 Vitawa Vilkage	0 0 0 0 0 0	0 1 0 0 3 0 0 0 0 0 0 0 0 0 0 1 0 0 1	70 50 40 0 30 80 10	0 0 0 0 0 0	0 0 0 0 0	400 B 40 B E 1,000 310 B	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5 1.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1 1 1
Rah 1 R - 2 R - 3 R - 5 R - 6 R - 7 R - 8 R - 9 R - 0 R - 1 K -	kiraki Tikina 2 Draunivi 4 Ellington 6 Kavuli 13 Namuku 15 Namuku Village 16 Naria 19 Rabule 20 Raravatu 23 Vitawa 24 Vitawa Vilkage	000000000000000000000000000000000000000	0 1 0 0 3 0 0 0 0 0 0 0 1 0 0 1 0 0 3	70 50 40 0 30 80 10	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	400 E 40 B B I,000 310 E 330	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5 1.0 1.0 0.0 1.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0] []
Rah 1 R - 2 R - 3 R - 5 R - 6 R - 7 R - 8 R - 9 R - 1 R - 2 R -	kiraki Tikina 2 Draunivi 4 Ellington 6 Kavuli 13 Namuku 15 Narewa Village 16 Naria 19 Rabule 20 Raravatu 23 Vitawa 24 Vitawa Village 25 Vitivanua 26 Volivoli 27 Vunitogotos Villa	000000000000000000000000000000000000000	0 1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	70 50 40 0 30 80 10 0 70 70	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	400 E 40 E E 1,000 310 E 330 E	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5 1.0 1.0 0.0 1.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	, I I I
Raid R - 2 R - 3 R - 4 R - 5 R - 6 R - 7 R - 9 R - 1 K - 2 R - 3 R - 4 R	kiraki Tikina 2 Draunivi 4 Ellington 6 Kavuli 13 Naruku 15 Narewa Village 16 Naria 19 Rabule 20 Rarawatu 23 Vitawa 24 Vitawa Village 25 Vitivanua 26 Volivoli 27 Vunitogotos Villa 31 Dociu	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	70 550 440 0 30 80 10 10 0 70 70	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	400 E 40 E E I,000 310 E 330 E	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5 1.0 1.0 0.0 1.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0] []
Raid R - 2 R - 3 R - 4 R - 5 R - 6 R - 7 R - 8 R - 10 R - 11 K - 12 R - 13 R - 15 R -	kiraki Tikina 2 Draunivi 4 Bilington 6 Kavuli 13 Nasuku 15 Narewa Village 16 Naria 19 Rabulu 20 Reravatu 23 Vitawa 24 Vitawa Viltage 25 Vitivanua 26 Volivoli 27 Vunitogotos Villa 31 Doctu 32 Nuculaca	000000000000000000000000000000000000000	0 1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	70 550 440 0 30 80 10 10 0 70 70 0 50	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	400 E 40 B B B I,000 310 Ii 330 E E E	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5 1.0 1.0 0.0 1.0 1.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0] []
Raid R - 2 R - 3 R - 4 R - 5 R - 6 R - 7 R - 8 R - 9 R - 10 R - 11 K - 12 R - 13 R - 14 R - 14 R - 15 R - 1	kiraki Tikina 2 Draunivi 4 Ellington 6 Kavuli 13 Namuku 15 Narewa Village 16 Naria 19 Rabulu 20 Raravatu 23 Vitawa 24 Vitawa Viltage 25 Vitivanua 26 Volivoli 27 Vunitogotos Villa 31 Dociu 32 Nuculaa 33 Naturna	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	70 50 40 0 30 80 10 0 70 70 0 50	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	400 E 40 E E 1,000 310 E E 5350 100 610	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5 1.0 1.0 0.0 1.0 0.0 1.9 1.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	.1 1
Raid R - 2 R - 3 R - 4 R - 5 R - 6 R - 7 R - 8 R - 10 R - 11 K - 12 R - 13 R - 15 R -	kiraki Tikina 2 Draunivi 4 Ellington 6 Kavuli 13 Narauku 15 Narewa Village 16 Naria 19 Rabule 20 Rarawatu 23 Vitawa 24 Vitawa Village 25 Vitivanua 26 Volivoli 27 Vunitogotos Villa 31 Deciu 32 Naturna Naraber	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		70 50 40 0 80 10 10 0 70 70 0 0 50 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	400 B B B B I,000 310 B 330 B B B B B B B B B B B B B B B B	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5 1.0 0.0 1.0 0.0 1.0 1.0 1.0 1.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	I I I I
Raid R - 2 R - 3 R - 4 R - 5 R - 6 R - 7 R - 9 R - 1 K - 2 R - 3 R - 4 R - 5 R - 5 R - 5 R - 5 R - 5 R - 5	kiraki Tikina 2 Draunivi 4 Bilington 6 Kavuli 13 Nasuku 15 Narewa Village 16 Naria 19 Rabulu 20 Raravalu 23 Vitawa 24 Vitawa Viltage 25 Vitivanua 26 Volivoli 27 Vunitogotos Villa 31 Deciu 32 Noculaca 33 Natuna Namber Total	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	70 50 40 0 0 90 90 10 10 10 0 70 70 0 50 0 65 16	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	400 E 40 E E 1,000 310 E E 5350 100 610	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5 1.0 1.0 0.0 1.0 0.0 1.9 1.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	.1 .1 .1 .1
Raid R - 2 R - 3 R - 4 R - 5 R - 6 R - 7 R - 9 R - 1 K - 2 R - 3 R - 4 R - 5 R - 5 R - 5 R - 5 R - 5 R - 5	kiraki Tikina 2 Draunivi 4 Ellington 6 Kavuli 13 Narauku 15 Narewa Village 16 Naria 19 Rabule 20 Rarawatu 23 Vitawa 24 Vitawa Village 25 Vitivanua 26 Volivoli 27 Vunitogotos Villa 31 Deciu 32 Naturna Naraber	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	70 50 40 0 80 10 10 0 70 70 0 0 50 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	400 B 40 B B I I,000 310 B G G G G G G G G G G G G G G G G G G	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5 1.0 0.0 1.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	.1 1
Rah 1 R - 22 R - 33 R - 44 R - 55 R - 66 R - 77 R - 99 R - 11 K - 22 R - 33 R - 44 R - 55 R - 66 R - 75 R - 66 R - 75 R -	kiraki Tikina 2 Draunivi 4 Bilington 6 Kavuli 13 Nasuku 15 Narewa Village 16 Naria 19 Rabulu 20 Raravalu 23 Vitawa 24 Vitawa Viltage 25 Vitivanua 26 Volivoli 27 Vunitogotos Villa 31 Deciu 32 Noculaca 33 Natuna Namber Total	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	70 50 40 0 0 90 90 10 10 10 0 70 70 0 50 0 65 16	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	400 B 40 B B I I,000 310 B G G G G G G G G G G G G G G G G G G	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5 1.0 0.0 1.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	.1 .1 .1 .1
Rah 1 R - 22 R - 33 R - 44 R - 55 R - 66 R - 22 R - 33 R - 44 R - 55 R - 66 R -	kiraki Tikina 2 Draunivi 4 Ellington 6 Kavuli 13 Namuku 15 Namuku Village 16 Naria 19 Rabule 20 Rarawatu 23 Vitawa 24 Vitawa Village 25 Vitivanua 26 Volivoli 27 Vunitogolos Villa 31 Deciu 32 Nuculaca 33 Natuna Number Total Average	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	70 50 40 0 0 90 90 10 10 10 0 70 70 0 50 0 65 16	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	400 B 40 B B I I,000 310 B G G G G G G G G G G G G G G G G G G	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5 1.0 0.0 1.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1 1 1 H
Rah 1 R - 22 R - 33 R - 44 R - 55 R - 66 R - 22 R - 33 R - 44 R - 55 R - 66 R -	kiraki Tikina 2 Draunivi 4 Ellington 6 Kavuli 13 Namuku 15 Narewa Village 16 Naria 19 Rabule 20 Rarawatu 23 Vitawa 24 Vitawa Village 25 Vritvanua 26 Volivoli 27 Vunitogotos Villa 31 Dociu 32 Nuculaca 33 Naturus Number Total Average RAND TOTAL	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	70 50 40 0 0 30 80 10 10 0 70 70 0 0 50 0 65 16 50 0 0 0 70 0 0 70 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	400 B 40 B B B I,000 310 10 330 60 610 416	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 1.0 0.0 1.0 1.5 1.0 0.0 1.0 0.0 1.0 1.0 1.0 1.0 1.5 1.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	.1 .1 .1 .1 .1

<sup>R: Regional Water Supply System
C: Communal Water Supply System
O: Others
E: Emergency Water Supply
For instance, E60 means that emergency water accounts for 60 % of the total water demand quantity.</sup>

Table E-2.6 PRESENT STATUS, WATER-BORNE DISEASES AND WOMEN'S ACTIVITIES

			Present	Status of Unsat	isfactor	γ	Number of Water-borne			s Activities (hrs/day)	
	Name of Province/	Satis- factory	Poor	Low	Un-	Insuffi- ciency of Exper	Diseases/Year		Cooking, Cleaning &	Farming	Rest
O.	Tikina/Community		Qual.	Press.	stable	quality sive	Cases Deat	h	Washing	works	in
	a Tikina										
1 B				x		х	0	0	. 8	6	1
2 B					:	.	800	0	. 12		
3 B		· ··• · ·	<u>x</u> .	X		×	500	0	9 13.5	6 3	7
5 B	***			<u>*</u> .	 x		0	0	13.3	3	
	3 - 18 Moto		x	×	27	X	0	ő	13.5	1.5	
7 B			X		x	x	800	0	12	3	
8 B			X		<u>x</u>	<u>X</u>		. 0	. 12 15	. 3	
	3 - 35 Navau		<u>X</u>		х.		0	0	13.5	1.5	
	3 - 37 Navoli		^	х	X		ŏ	ō	13.5	1.5	
12 E				-,		X	x 0	0	12	3	
13 E			X		X	.	x0	0	12	3	
	3 - 57 Vatuyaka 3 - 58 Vatusui		<u>-</u>		Ţ.	×	x 0	0	12 12	3	
	3 - 63 Vutuni Creek		A			<u>1.</u>	n o	0	12	4.5	7
	Number	16	16	16	16	16 1	6 16	16	16	16.	
	Total	0	11	10	. 7		4 2,100	0	194.0	48.0	142
	Rate (or Average)	0.00	0.69	0.63	0.44	1.00 0.2	5 131	0	12.1	3.0	. 8
o. 1	lavua Tikina										
1 7	Γ - 2 Balata		x		X	. x	0	0	9	4.5	10
2 1		ļ			x		x 1,000	. 0	10.5	1.5	
3 7	Γ - 6 Drumasi Γ - 11 Korovou Settlement	ł·			x		x 60 x 0	0	9	4.5	ij
5 7			x		X		x 250	. 0	иа б	иа 6	:
	Γ - 13 Kukunirewa	i	X			x x	0	0	. 6	7.5	10
7 1					X	X	360	0	9	4.5	10
8 7			Х.	*	X	X	1,500	0	9	6	
9 7			*		х	X	x 35	.0	ua	112	
10 1 11 1	Γ - 17 Magere Γ - 18 Matalevu		×			<u>X</u>	1,200 x 1,455	3	9	. 6 2.5	13
12 7	Γ - 19 Matanigata		· · · · · · · · · · · · · · · · · · ·		?	<u>8</u>	2,000	1	13.5	1.5	. !!
	I' - 25 Natawa		X	x	: X	X	x 0	0	7.5	6	10
	Γ - 26 Natolevu				X	x	x 120	. 0	13.5	1.5	٠.
	Γ - 29 Qalela			x	X	x	4,300	0	. 9	7.5	
	F - 30 Rakavidi F - 34 Vatia		X		<u>x</u>		250	0	9.5 8	4	- 10
	r - 36 Vuqele				· ·^.		x 1,200	0	7.5	3	13
	l' - 40 Wainivocea		<u>├</u> ^-	X			125	5	7.5	4.5	
	T - 42 Nasomo village				x	x	x 1,250	0	7	3	
	T - 43 Tokołos		х.		_ x	x	870	0	6	9	
	Γ - 44 Maĵorus Γ - 45 Garampani		<u>x</u>		<u>x</u>		x 100 x 440	0	10.5 9.5	1.5 2.5	
	l' - 46 Lololevu	ł	·^		<u>∧</u> .		350	ŏ	6.5	4	1:
	Number	24	24	24	24	24 2	4 24	24	22	22	
	Total	0			24		3 17,545	. 9	193.0	95.0	246
	Rate (or Average)	0.00	0.67	0.29	1.00	0.88 0.5	4 731	0	8.8	4.3	- 10
o. '	Vuda Tikina							1			
	V - 1 Ravîravî		х		х	x	x 0	0	12	3	
2	V - 2 Tavarau		X	Х.	x		0	0	12	3 .	:
5 '	V - 3 Tuvu Number	3	3 3	3	3 3	x 3	x 0 3 3	3	3	3	:
-	Total		- 3		3	2	2	. 0		9.0	2
	Rate (or Average)	0.00			1.00	0.67 0.6		0		3.0	
	Ra Province		_						·		٠
	Rakiraki Tikina R - 2 Draunivi	Τ	Τ		×		x 200	0	7	4	
	R - 4 Ellington	1	х х		^	X X	x 200 x 710	0		4	i i
3	R - 6 Kavuli				x	X	960	Ō	9	0	
	R - 13 Nanuku	ļ			х	x	800	.0	8	4	
	R - 15 Narewa Village R - 16 Naria				Х	<u>×</u>	120 700	0		4.	1
	R - 19 Rabulu		x	· · · ·	<u>X</u>	🥇	x 800	0		4 6	1
	R - 20 Raravalu	· · · · · · ·			≏ x		320	Ö		UŁ	٠. :
	R - 23 Vitawa		1		х	х	x 440	0	6	4.5	1
	R - 24 Vitawa Village	1			х	х	200	0		4.	1
	R - 25 Vitivanua R - 26 Volivoli				Х.	<u>x</u>	800	0		4_	1
	R - 27 Vunitogoloa Village			:	<u>X</u>	X	x 650	0			- :
	R - 31 Dociu			^	×	<u>^.</u> X	230	0			, i
15	R - 32 Nuculaca	T		x	х	X	300	O	7		
16	R - 33 Natumu		ļ		х	X	110	0		ua.	
	Number Total	1					16 16 6 7,340	16			
	Rate (or Average)	0.0	0 0.19					0			17
		, 5.5				1,000 01	· · · · · · · · · · · · · · · · · · ·				•
	GRAND TOTAL	<u></u>	,				·		Table Control	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
	Number	5					59 59	59	55	55	
	T-4.1	1 4	33	3 20	50	55	25 26,985	9	525.0	208.5	58
	Total	- J					wall are the beautiful and the			the property of the contract o	

Note : un = unavailable

Table E-2.7 WATER SUPPLY SOURCES, DISTANCE TO WATER SOURCES AND HOURS SPENT FETCHING WATER PER HOUSEHOLD (RAINY SEASON) (1)

Name of Province	Name of House	Race	Family Size	Rate of Water Sources Used (%)	Distance to Water Sources (metres)	Hours Spent Fetching Water D.W. T.W. R.C.S O.S. Total
Tikina/Communit In Province	No. hold	F I O	(pesons)) RS. CS. RT. D.W. T.W. R.CS. E O.S.	D.W. T.W. R.C.S O.S.	D.R. 1.H. R.D.S 17.0, 1001
ha Tikisa		r	n me	processors and a series of the control of the contr	[no er	1 15 - 2.3
B2 Bensi	1 R 2 HL 2 B 2 H2	X	2	0 0 0 10 0 90 0 0 0 0 2 98 0 0 0 0	30 45	0.1 - 1.5 - 2.5
	3 B 2 H3	 	7	0 10 90 0 0 0 0 0		
B3 Bilolo	4 B 3 H1		\$	0 0 65 35 0 0 0 0	30 100 -	0.1 - 0.1 1 - 1.5 - 2.5
	5 B 3 H2 6 B 3 H3	- *	-17	0 0 0 70 0 30 0 0	. 7	02 02
	7 B 3 H4	× .	6	0 100 0 0 0 0 0		0
B9 Karavi	8 B 9 H1	x	!! .	0 0 0 0 0 100 0 0 0	100	02 02 02 1.5 1.5
	9 B 9 H2 10 B 9 H3		4	0 0 50 50 0 0 0 0 0	1	0.1 0.1
	11 B 9 H4		. 5	0 0 70 30 0 0 0 0	5	0.1 - 0.1
B10 Koronubu	12 810 H1		9	0 0 0 100 0 0 0 0 0 0	,	0.1
·	13 BIO H2	+	8	2 0 13 20 0 0 0	60	2 2
Bi3 Kumkum	15 B13 H1	x	. 9	0 0 30 0 0 10 0 60	1000 7	3 0.2 3.2
	16 B13 H2	····	14	0 0 0 100 0 0 0 0		0.5 0.5
B18 Moto	18 918 HI		8	90 0 10 0 0 0 0		
	19 B18 H2	, , , , , ,	4	0 0 0 0 0 0 0 100	1	0.2 0.2
B19 Natatolu	20 B18 H3 21 B19 HI		8 -	0 0 0 0 0 0 0 0 100	1500	4 4
,	22 B19 H2		7	0 0 10 0 0 90 0 0	750	4 4
	23 B19 H3		. 5	0 0 2 0 0 98 0 0	- 1000 150	6 1.5 7.5
B24 Nakavika	24 B24 H1 25 B24 H2	+- <u>*</u> ;	5 12	0 0 10 0 0 30 0 60		- 6 0.5 6.5
	26 B24 H3		3	0 0 0 0 100 0 0	5	0.1 - 0.1
B32 Naturalina	27 B32 H1		2	0 0 15 10 0 5 0 0		0.5 1 1.5
Village	28 B32 H2 29 B32 H3	+	5	0 0 10 60 0 30 0 0 0 0 0 0 100 0 0		0.5 - 3 - 3.5
B35 Navau	30 B35 Ht	x	10	30 0 70 0 0 0 0 0		1
	3! B35 H2	, x	7	0 0 70 10 20 0 0		025 02 - 045
B37 Nevoli	32 B35 H3 33 B37 H1	-	15	0 0 98 1 0 0 0 1 70 0 0 0 0 30 0 0	30 - 3000	0.25 - 3 3.25
	34 B37 H2	1	6	0 100 0 0 0 0 0 0		į į
B. 0	35 B37 H3	X	10	0 0 30 0 0 70 0 0		3 2
B41 Qerelevu	36 B41 H1 37 B41 H2	x	7	0 100 0 0 0 0 0 0		
	38 B41 H3	, x	7	0 100 0 0 0 0 0	J	
В50 Тациевачев	40 B50 H2	<u></u>	6	0 0 10 0 0 0 0 0 0		0.2 0.2
	40 B30 H2 41 B50 H3	1	3	0 0 20 80 0 0 0 0	7	0.1 0.1
257 Vatuyaka	42 B57 HI		6	0 0 0 0 100 0 0 0		0.1 0.1
	43 B57 H2 44 B57 H3	x	- 6	70 0 0 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
B58 Vaturaj	45 B58 H1	1	13	0 0 10 0 0 0 0 90	1	0.2 0.2
	46 B58 H2	, , ,	7	0 0 10 0 0 45 0 45		0.1 0.1 4.1
B63 Vutumi	47 B58 H3 48 B63 H1	- *	13	0 0 0 100 0 0 0 0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Crock	49 B63 H2	1	4	0 0 0 0 0 100 0	- 50	2 3
M. Whater	50 B63 H3		5 0 50	0 0 0 0 0 100 0		17 7 16 10 5
Be Thins	Number Total	8 42	351	512 610 802 964 570 886 0 536	491 78 10113 3322	9.2 1.65 47 7.1 64.9
	Average	16% 84% 0			3 29 11 632 332	0.54 0.24 2.94 0.71 1.30
Tavus Tikies						
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T2 Balana	2 T 2 H2 3 T 2 H3			0 0 90 10 0 0 0 0	j 40	0.5
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T2 Balana T5 Dayota	2 T 2 H2 3 T 2 H3 4 T 5 H1 5 T 5 H2 6 T 5 H3	- x - x	6 5 6 12 15	0 0 90 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	40	0.5
T2 Balana	2 T 2 H2 3 T 2 H3 4 T 5 H1 5 T 5 H2 6 T 5 H3 7 T 6 H1 8 T 6 H2	X X X X X	5 6 12 15 6	0 0 90 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 40	0.5
T2 Balana T5 Davota T6 Drumasi	2 T 2 H2 3 T 2 H3 4 T 5 H1 5 T 5 H2 6 T 5 H3 7 T 6 H1 8 T 6 H2 9 T 6 H3	X X X X X X X X X X X X X X X X X X X	6 5 6 12 15 6 6	- 0 0 90 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	40	0.5
T2 Belata T5 Devote T6 Drumes! T11 Korovou	2 T 2 H2 3 T 2 H3 4 T 5 H1 5 T 5 H2 6 T 5 H6 7 T 6 H1 8 T 6 H2 9 T 6 H3	X X X X X X X X X X X X X X X X X X X	5 6 12 15 6	0 0 90 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 40	0.5
T2 Belatt T5 Devote T6 Drumes T11 Kocovou Settlement	2 T 2 H2 3 T 2 H3 4 T 5 H1 5 T 5 H2 6 T 5 H3 7 T 6 H1 8 T 6 H2 9 T 6 H1 10 T 11 H1 11 T 11 H2 12 T 11 H3	X X X X X X X X X X X X X X X X X X X	6 5 6 12 5 6 6 8	- 0 0 90 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 40	0.1 0.1 0.1
T2 Belata T5 Devote T6 Drumes1 T11 Korovou Settlemen1 T12 Korovou	2 T 2 H2 3 T 2 H3 4 T 5 H1 5 T 5 H2 6 T 5 H3 7 T 6 H1 8 T 6 H2 9 T 6 H3 10 T 11 H2 12 T 11 H3 13 T 12 H1	X X X X X X X X X X X X X X X X X X X	6 5 6 12 15 6 6 12 5 6 8 8 8	0 0 90 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 40	0.1 0.1 0.1
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T2 Belata T5 Devote T6 Drumes1 T11 Korovou Settlemen1 T12 Korovou	2 T 2 H2 3 T 2 H3 4 T 5 H1 5 T 5 H2 6 T 5 H3 7 T 6 H3 8 T 6 H2 9 T 6 H3 10 T 11 H1 11 T 11 H2 12 T 12 H1 14 T 12 H2 15 T 17 H3 16 T 13 H1	5 X X X X X X X X X X X X X X X X X X X	6 5 6 12 15 6 6 12 2 5 6 8 8 8 8 3	- 0 0 90 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drumes T11 Kecevou Settlement T12 Kerovou Village	2 T 2 H2 3 T 2 H3 4 T 5 H1 5 T 5 H2 6 T 5 H3 7 T 6 H1 9 T 6 H3 10 T 11 H3 13 T 12 H2 13 T 12 H2 15 T 17 H3 14 T 12 H2 15 T 17 H3 16 T 13 H1 17 T 13 H2	**************************************	6 5 6 12 15 6 6 12 5 6 8 8 8 3 6 7	- 0 0 90 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drumes T11 Kecevou Settlement T12 Kerovou Village	2 T 2 H2 3 T 2 H3 4 T 5 H1 5 T 5 H2 6 T 5 H3 7 T 6 H1 8 T 6 H2 9 T 6 H3 10 T 11 H1 11 T 11 H2 12 T 11 H3 13 T 12 H2 13 T 12 H2 14 T 12 H2 15 T 13 H3 16 T 13 H1 17 T 13 H2 18 T 13 H3 19 T 14 H3 19 T 14 H3	X X X X X X X X X X X X X X X X X X X	6 5 6 12 15 6 6 12 2 5 6 8 8 8 8 3	- 0 0 90 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T5 Devote T6 Drumer T11 Koceyou Settlement T12 Koreyou Yillege T13 Kukunfree	2 T Z H2 3 T Z H2 3 T Z H3 4 T S H1 5 T S H3 5 T S H3 7 T G H1 8 T G H2 9 T G H3 10 T H H1 11 T H H2 13 T H2 H2 14 T H2 H2 15 T H2 H3 17 T H3	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6 5 6 6 12 5 6 8 8 8 8 8 6 7 2 2 5 18 6 6	0 0 90 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drumssl T11 Kecevou Settlement T12 Kecevou Village T13 Kukunirem T14 Lousa	2 7 2 12 12 12 13 12 13 12 13 12 13 12 13 13 13 13 13 13 13 13 13 13 13 13 13	5	6 5 12 15 6 6 12 5 6 8 8 8 7 2 2 5 7	- 0 0 90 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devote T6 Drumer T11 Koccosu Settlement T12 Korovou Village T13 Kukunfree	2	7	6 5 12 15 6 12 5 6 8 8 3 6 7 7 2 5 18 6 6	0 0 90 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drumssl T11 Koceyou Settlement T12 Kocyou Village T13 Kukunirew T14 Lousa T15 Lubulubu	2 T2 H2 H2 H2 H2 H2 H2 H	5	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drumasl T11 Kecevou Settlement T12 Kecevou Village T13 Kukunirem T14 Loues	2	3	6 5 12 15 6 12 5 6 8 8 3 6 7 7 2 5 18 6 6	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Davota T6 Drumasi T11 Koccyou Settlement T12 Koccyou Village T13 Kukuniress T14 Loues T15 Lubulubu T16 Malele	2	5	6 6 5 12 12 15 5 6 6 12 12 15 5 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 90 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drumas T11 Koceyou Sethement T12 Koroyou Village T13 Kokunfrew T14 Louea T15 Labulabu	2	5	6 6 5 5 6 6 12 12 15 5 6 6 12 12 15 5 6 6 8 8 8 2 6 6 7 7 2 18 18 18 16 16 16 16 16 16 16 16 16 16 16 16 16	0	0 400	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Davota T6 Drumasi T1 Korevou Setilement T12 Korevou Village T13 Kukunirewe T14 Louea T15 Lubulubu T16 Madele T17 Magere	2	7	6 6 6 7 12 13 15 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T3 Davota T6 Drumasi T11 Koccyou Settlement T12 Koccyou Village T13 Kukunirese T14 Loues T15 Lubulubu T16 Malele	2	5	6 6 6 7 7 12 2 15 5 6 6 6 12 15 5 6 6 6 12 15 15 15 15 15 15 15 15 15 15 15 15 15	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T5 Devote T6 Drumes T6 Drumes T11 Koccoou Settlement T12 Korovou Village T13 Kukunirewe T14 Loues T15 Lubulubu T16 Malele T17 Magere	2	5	6 6 6 7 7 7 7 100 100 100 100 100 100 100 100	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Davota T6 Drumasi T1 Korevou Setilement T12 Korevou Village T13 Kukunirewe T14 Louea T15 Lubulubu T16 Madele T17 Magere	2		6 6 6 12 12 15 15 16 6 6 6 6 12 12 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drums1 T11 Korevou Settlement T12 Korevou Village T13 Kakunfrene T14 Louea T15 Lubulubu T16 Malele T17 Maqere T18 Manaleyu	2172 B2 3172 B3 3172 B3 3173 B1 5175 B1 5175 B2 6175 B1 6175 B1 6176 B1 6171 B	T	6 6 6 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drums1 T11 Koccyou Settlement T12 Koccyou Village T13 Kakunfress T14 Loues T15 Lubulubu T16 Malele T17 Magere T18 Magaleyu	2 72 82 82 83 84 85 85 85 85 85 85 85	Total	6 6 6 12 12 15 15 16 6 6 6 6 12 12 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drumas T11 Koceyou Settlement T12 Koreyou Village T13 Kukunirem T14 Lousa T15 Lubulubu T16 Malele T17 Maqeee T18 Mataleyu T18 Matalesia	2172 B2 3172 B3 3172 B3 3173 B3 5175 B1 5175 B1 5175 B1 5175 B1 5176 B1 6175 B2 6176 B1 6171 B		6 6 6 122 155 16 6 6 6 122 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Davota T6 Drumasl T11 Koceyou Settlement T12 Koceyou Village T13 Kukunirese T14 Loues T15 Lubulubu T16 Maleke T17 Maqere T18 Manalesia	2	Total	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drumes T11 Kocevou Settlement T12 Korevou Village T13 Kukunirem T14 Lousa T15 Lubulubu T16 Malele T17 Maqeee T18 Matalesu T19 Matalesu	2		6 6 7 7 7 2 2 5 5 18 18 16 16 16 16 16 16 16 16 16 16 16 16 16	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drums1 T11 Koceyou Settlement T12 Koroyou Village T13 Kukunirese T14 Loues T15 Lubulubu T16 Malele T17 Maqece T18 Manaleyu T18 Manaleyu T19 Manalesia	2 17 2 102 17 2 19 3 17 2 19 3 17 2 19 3 17 2 19 3 17 2 19 3 17 2 19 3 17 2 19 3 17 2 19 3 17 2 17 3		6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0	0	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balaza T3 Devota T6 Drumssl T11 Koccyou Settlement T12 Korcyou Villege T13 Kukuniress T14 Loues T15 Lubulubu T16 Malele T17 Maqere T18 Mataleyu T19 Matalegata T25 Natawa	2		6 6 7 7 7 2 2 5 5 18 18 16 16 16 16 16 16 16 16 16 16 16 16 16	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drumasi T11 Koceyou Settlement T12 Koreyou Yillage T13 Kukunirem T14 Lousa T15 Lubulubu T16 Malele T17 Maqere T18 Manalgata T19 Manalgata T25 Natawa T26 Netoleyu T29 Qelela	2 17 18 18 18 18 18 18 18		6 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drums1 T11 Koceyou Settlement T12 Koroyou Village T13 Kukunirese T14 Loues T15 Lubulubu T16 Malele T17 Maqece T18 Manaleyu T18 Manaleyu T19 Manalesia	2	The state of the	6 6 6 6 6 6 6 7 7 4 4 6 6 6 6 6 6 6 6 6	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drumasi T11 Koceyou Settlement T12 Koreyou Yillage T13 Kukunirem T14 Lousa T15 Lubulubu T16 Malele T17 Maqere T18 Manalgata T19 Manalgata T25 Natawa T26 Netoleyu T29 Qelela	2 17 18 18 18 18 18 18 18		6 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drumasi T11 Koceyou Settlement T12 Koreyou Yillage T13 Kukunirem T14 Lousa T15 Lubulubu T16 Malele T17 Maqere T18 Manalgata T19 Manalgata T25 Natawa T26 Netoleyu T29 Qelela	2172 B2 2172 B2 3172 B3 3172 B3 3173 B1 5175 B1 5175 B1 6175 B1 6175 B1 6175 B1 6175 B1 6175 B1 6171 B		6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balaza T3 Devota T6 Drumsil T11 Korevou Settlement T12 Korevou Villege T13 Kukunireue T14 Louea T15 Lubulubu T16 Maleie T17 Maqere T18 Mataligata T19 Mataligata T25 Natawa T26 Natawa T29 Qalola	2 17 2 102 17 2 17 2 17 2 17 2 17 2 17 3 17 2 17 3		6 5 5 6 6 7 7 12 5 5 5 6 6 7 7 7 4 6 6 15 15 15 15 15 15 15 15 15 15 15 15 15	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balaza T3 Devota T6 Drumsil T11 Korevou Settlement T12 Korevou Villege T13 Kukunireue T14 Louea T15 Lubulubu T16 Maleie T17 Maqere T18 Mataligata T19 Mataligata T25 Natawa T26 Natawa T29 Qalola	2172 B2 2172 B2 3172 B1 3172 B1 5175 B1 5175 B1 5175 B1 5175 B1 5176 B1 6175 B1 6175 B1 6176 B		6 5 5 6 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drums1 T11 Koceyou Settlement T12 Koreyou Village T13 Kukunfree T14 Loues T15 Lubulubu T16 Malele T17 Maqere T18 Mataleyu T19 Metanligate T25 Natawa T26 Netoleyu T29 Qulola T30 Rakavidi T34 Vada	2 12 12 12 12 12 12 12	The state of the	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balaza T5 Devota T6 Drumasl T6 Drumasl T11 Koceyou Settlement T12 Koreyou Yillage T13 Kukunirew T14 Louea T15 Lubulubu T16 Malele T17 Maqere T18 Manaleyu T19 Metanigsta T25 Names T26 Notoleyu T29 Qulola T30 Rakevidi T34 Vada	2172 B2 2172 B2 3172 B1 3175 B1 5175 B1 5175 B1 5175 B1 5175 B1 5175 B1 5176 B1 6175 B1 6176 B1 6171 B		6 5 5 6 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0	0 40	0.5 0.1 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
T2 Balana T5 Devota T6 Drums1 T11 Koceyou Settlement T12 Koreyou Village T13 Kukunfree T14 Loues T15 Lubulubu T16 Malele T17 Maqere T18 Mataleyu T19 Metanligate T25 Natawa T26 Netoleyu T29 Qulola T30 Rakavidi T34 Vada	2172 B22 2172 B23 3172 B1 5175 B1 5175 B1 5175 B1 5175 B1 5175 B1 5176		6 6 6 7 7 2 2 5 5 5 18 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0	0 40	0.5

Table E-2.7 WATER SUPPLY SOURCES, DISTANCE TO WATER SOURCES AND HOURS SPENT FOR FETCHING WATER PER HOUSEHOLD (RAINY SEASON) (2)

Name of Province	Name of	Race	Parnily Size		Barrel Water	ources Used (%			utance to ources (metres)	Hours Spent Fetching Water	1,400
	No. hold	F I C		RS. C.S.	R.T. D.W.	T.W. R.C.	E O.S.		.W. R.C.S O.S.	D.W. T.W. R.C.S	O.S. Te
42 Nanomo	54 T42 H1	×	6	0 100	0 0	0 0	0 0	1			
Village	59 T42 H2	X.	20	0 0	50 0	0 0	0 50	l	13000		7 .
	60 T42 H3	· _*	12	0 100	0 0	0 0	.0, 0	٠.	·	**, * *, *	•
43 Tokolou	61 T43 H1		6	0 0	0	30 0	00	·	5	0.1	-
	62 T43 H2		8	0 0	50 0	0 50	0 0		- 1600	. 2	. •
	63 T43 H3		16	.1000	20 0	0 0	0 0	- 1			•
4 Malotu	64 T44 H1		5.	0 0					5	- 0.1	-
	66 T44 H3		6	0 0	20 BO 50 0		0 0	120	200		
45 Carsonpeni	67 T45 HI		13		10 90	0 50	0 0	200	200	1.5	
o Orangen	68 T45 H2		10	0 0	20 80	0 0	0 0	700	[N N] []	2	
	69 T45 H3		1 13 1	ŏŏ	10 80	0 10	∵ŏ ŏ	3200	3200	. A 2	
6 Lolokevu	70 T46 H1	I	5	0 0	0 50	0 50	. 0 0	40	- 40	i i	
	71 T46 H2		8	0 0	0 50	0 50	0. 0	M O	30 •	1.5 1.5	14
	72 T46 H3	#	17	0 0	0 20	0 10	o o	· · ·	3200	1 - 5	
sa Tikina	Number	13 59 (72	72 72	72 72	72 72	72 72	42	6 19 1	42 5 19	1
	Total		664	250 1175	1872 2380	460 1013	0 50	14505	147 14940 13000	59.6 1.4 37	7
	Average	18% 82% 0%	9.22	3 16	26 33	. 6 14	0 1	345	25 786 13000	1.42 0.23 1.95	7.00
la Tiblica							4-1-65		1.0	eri Geografia	٠.
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1 KWARMAI	2 V1 H2	<u>*</u>	3	0 0	30 70	0 0		7		0.1	•
	3 V1 H3	ļ <u>-</u>	3	0 0	0 20	30 0	0 0	7	5	0.1 0.1	- 1
2 Tavara:	4 V2 H1		1 6 1	· · · · · · · · · · · · · · · · · · ·	0 0		0 0	1		0.1	
Z LAVARAG	5 V2 H2	ļ	9	0 100	ŏŏ.	0 0	· 0 · · 0	j j			- 1 T -
	6 V2 H3	+	· · · · · · ·	0 0	~~~ŏ~~ŏ	0 0	0 100				0.2
Э Тачи	7 V3 H1	 ^	- 3	0 0	0 0	0 100	0 0		10	0.2	V.E
) 147H		├		0 0	30 70	. 0 . 100		5		0.1	-
		·	6	0 0	0 0	20 80	0 0		5 10		
de Titches	9V3 H3 Number		1 9	9 9	9 9	9 9	9 9	4	2 2 1	4 2 2	
- 1944	Total		- 53	0 200	80 240	100 180	0 100	219	10 20 7	1.3 02 0.4	0.2
	Average	11% 78% 119		0 22	9 27	11 20	0 11	55	5 10 7	0.33 0.10 0.20	0.20
Prevince							1.0			1.1	
kiraki Tikina										1.5	
2 Dramivi	1 R 2 H1		5	0 0	0 50	0 50	0 0	600	400	2.5 - 2	-
	2 R 2 HZ		13	0 0	0 50	0 50	0 0	30	- 100	1.5 - 2	
	3 R 2 H3		8	0 0	0 100	0 0	0 0			1.5	-
4 Ellington	4R4 HI	X	1	0 0	0 100	0 0	0 0	20		[17]	
•	5 R 4 H2	x	9	0 0	0 100	0 0	0 0	100		1.5	٠,
	6 R 4 H3		19	0 50	50 0	0 0	0 0				
ts Kernili	7 R 6 H1	3	5	0 10	15 75	0 0	- o o	60		1	
	8 R 6 H2		6	0 100	0 0	0 0					•
	9 R 6 H3	×	3	0 0		100 D	0 0	-	5	0.1	- :
13 Naoslos	10 R13 Hi	-	5	0 0	0 100	0 0	0 0			: .i	
	11 R13 H2	1	3	0 100	0 0	0 0	0 0				-
	12 R13 H3	† -		0 0	30 70		· · · · · · · · · · · · · · · · · · ·	200		2	
t15 Narewa	13 R15 H1	1 ×	10	0 100	0 0	0 0	0 0			1 5 5 5	
Village	14 R15 H2	*	7	0 100	0 0	0 0	0 0	11 2			
	15 R15 H3	*	1 ·· \$ ···	0 100	. 0 0	0 0	0 0			· · · ·	
116 Nurio	16 R16 H1		13	0 0	0 100	ŏ ŏ	o c	40		1.5	
	17 R16 H2		9	- ŏ ŏ		0 0	0 0			1.5	_
	18 R16 H3	7	1 7	ŏŏ		0 0	0 0			ai -	
119 Rabulu	19 R19 HI	T	7	0 0			· · · · · · · · · · · · · · · · · · ·		·	1.5	
	20 R19 H2	×	5	0 0			0 (3 -	
	21 R19 H3		6	o o		0 0	0 0			1 .	
20 Raravatu	22 R20 H1		10	1 - o - o			····č·····			1.5	
	23 R20 H2		8	0 0			- 8 · · · ·			1.5	+ i_
	24 R20 H3						~ o ~ c		{] 3	_
23 Yitawa	25 R23 H1					0 40			150	2 1	
	26 R23 H2	x	10	0 40			··-ö		150	(i	
	27 R23 H3	-	8	0 50			0 0		200	1 î	-
R24 Vitawa	28 R24 H1	* · · · ·	6	0 100			· · · · · ·				
Village	29 R24 H2	X	5	0 100					·		
	30 R24 H3		3	0 100				-		F	-
R25 Vitivanua	31 R25 H1	-T	7	0 0		0 50	0 (20	- 60	0.5	2.1
	32 R25 H2		8	0 0	0 40	0 60	0	200	40	1.5 - 0.5	
	33 R25 H3		6	0 (0 (500	1 2.5	
R26 Volivoli	34 R26 Hi] .	. 5	0 (0			1	
	35 R26 H2		27	0 0				100		2	('e '
	36 R26 H3		. 3	0 (0 100	0 0	0	300		2.5	
R27 Vunitogolos	37 R27 H1	X	8	j o io	0 0	0 0	0		J. J.		-
Village	38 R27 H2		16	0 100		0 0		o		1	•
	39 R27 H3		6	0 8	0 20	0 0		30		i i	-
R31 Dociu	40 R31 H		. 8		0 100			200		2	
	41 R31 H2		. 8		0 100			60			
	42 R31 H3		. 5		0 100			60			-
R32 Naculece	49 R32 HJ		6		0 100	0 0		200		2	-
	44 R32 H2		4		0 100			20		1 1	-
	45 R32 H3		9	0 10				0		1	
R33 Naturu	46 R33 H1		8	0	0 0 50			0 800	- 600	3 - 2	
	47 R33 112		6		000	0 100		o -	- 60		
	48 R33 H3		6		0 0 1	0 50	0	0 20	600	1 1 2	
akiraki Tikina	Number	12 36	0 48	48 4		8 48 48	48 4	8 32	1 11 (32 1 11	. 0
						· · · · · · · · · ·		1	2.5	1	
	Total		373					0 5157	5 2860 (
	Average	25% 75%	7.77	0 2	8 5 52	2 2 13	00	0] 161	5 260 (1.53 0.10 1.43	0.00
		-								100	
	Number	24 144	1 120	170 17	9 179 179	9 179 179	179 17	9 95	16 48 12	95 16 4	12
rand Total		34 144	1 179	179 17	- 1/2 10						
rand Total			. 1441	767 221	5 2000 611	0 1730 7680	ე უ		240 27033 1637) Q2 335 Inn.	14.2
rand Total	Total Average		144! 1% 8.05		5 2999 6119 9 17 34		0.78	6 20372	240 27933 16325 15 582 136		

Note: P: Fijians 1: Indiana O: Other people

R.S.: Regional Water Supply System C.S.: Communal Water Supply System R.T.: Roof Tank D.W.: Dug Well

Table E-2.8 WATER SUPPLY SOURCES, DISTANCE TO WATER SOURCES AND HOURS SPENT FETCHING WATER PER HOUSEHOLD (DRY SEASON) (1)

Name of Province	Name of House-	Race	Family Size	ter Sources Used (%)	· · · · · · · · · · · · · · · · · · ·		Distan Water Son	nce to irces (metres)	Hours Spent Fetching Water
Tikina/Communis			(pesons)		D.W. T.W.R.C.S.	E O.S.	D.W. T.W		D.W. T.W.R.C.S. O.S. To
Ba Tikina									
B2 Bene!	1 B 2 H1	x	2	0 0 0		0 0	30 -	- 45 -	1 1.5
	2 B 2 H2 3 B 2 H3	x	7	0 0 0		0 0	7	· 200 - · 300 -	0.1 - 2
B3 Bilolo	4 B 3 HL 5 B 3 H2	×	5	0 0 0		20 0 10 0	30	- 90 - 100 -	1.5 1 - 1.5 -
	6 B 3 113	1 ^ x	. 37	0 0 (0 100 0	0 0	- 1	, , ,	0.2
B9 Karavi	7 B 3 H4 8 B 9 HI	x	- 6 11	0 00		0 80		300	. 02
	9 B 9 H2		4	0 0 0	100 0 6	0 0	100		1.5
	10 B 9 H3	X	5	0 50 (0 0	5		0.1
B10 Koronubu	12 810 111		9	20 0 0	0 0 0 1	0 0	750		
	13 B10 H2 14 B10 H3	* * *	6	0 0 0		300 2 0	250	- 1000 - - 1500 -	2 . 3
B13 Kumkum	15 B13 H1 16 B13 H2		9	0 0 0 50 0 0		40 40 0 0		- 1000 7 - 100 -	3 0.2
	17 B13 H3		14			60 0	5		0.5
Bis Moto	18 B18 H1	ļ	-8		0 0 0 0	0 100		100 -	1.5
	20 B18 H3	*		0 0 0	0 0 50	30 20		- 1500 7	2 0.1
B19 Nebatolu	21 B19 H1 22 B19 H2	X	4		0 0 100	0 0		- 1500 - - 750 -	4 - 4
924 Nekavika	23 B19 H3 24 B24 H1	3	5	0 0 0	0 0 99	1 0	-	- 400 - 150	· · 2 ·
224 (1221)24	25 B24 H2		12	0 0 0	0 0 0	14 86 BO 20		30	0.5
B32 Natunuku	26 B24 H3 27 B32 H1		3			500 30 0	40	5 -1000 -	0.1 0.5 . 2
Village	28 B32 H2	x	8	0 0 0	60 0 30	10 0	40	1000 -	0.5 3
B35 Navau	29 B32 H3 30 B35 H1	X	. 5 .iô		90 0 0	400 5 0	2000		- 0.5 4
100	31 B35 H2	3	7	0 0	0 65 0	35 0		7	0.2
B37 Navoli	32 B35 H3 33 B37 H1	X X	15 12			60 40 40 10	-	6000 - 18 100	6 1 2.5
	34 B37 H2 35 B37 H3		6 10			220 0 0 0	-	. 60 - - 1000 -	0.5
B41 Qerelevu	36 B41 H1		7	0 10	0 0 90	0 0	-	- 800 -	2 -
	37 B41 H2 38 B41 H3	X	7	to access a management	0 0 30 0 10 0 57	0 0 33 0	500	- 1000 - I	2 - 4 -
B50 Teuvogavega	39 850 Ht	_ x	- 6	60 0	0 0 20	20 0		- 1000 -	- 2 -
	40 B50 H2 41 B50 H3	+ <u>*</u>	- 6 - 3			200 50 90 0	-	- 700 7 - 1000 -	- 3 0.1
B57 Vatuyaka	42 B57 H1 43 B57 H2	1	6		0 0 100 0	0 0 15 0	7	5	0.1
	44 B57 H3	x	6			50 50		100	2
BS8 Vaturui	45 B58 H1		13			30 10 10 30		- 3500 7 - 1000 7	· · 6 0.1
	47 B58 H3	*	2	0 0	3 0 0	97 0	5		0.1
B63 Vutani Creek	48 B63 H1 49 B63 H2		13		0 10 0 70	0 0	15	- 50 -	0.5 - 1.5
	50 B63 H3	1 2	5	0 0	0 0 100	0 0		- 50 -	2
Ba Tikina	Number Total	8 42 0	50 351		and the contract of the contra	50 50 16 536		7 30 6 8 22813 6722	14 7 30 6 13.9 1.4 80 15.3 11
	Average	16% 84% 0%							
	12.1.1	1010 0510 01	7.02	5 5		22]]	217 1	1 760 1120	0.99 0.20 2.67 2.55 2
Tayus Tikina			1.02	5 5		22 11] 217 1	1 760 1120	0.99 0.20 2.67 2.55 2
Tavus Titima T2 Belata	1 T2 H1	×	4	0 0	0 11 13 35	10 0	20	- 500 -	0.5 - 3
		X X X		0 0	0 11 13 35				
	1 T2 H1 2 T2 H2 3 T2 H3 4 T5 H1	X X X	4 6 5	0 0 0 0 0 0	0 11 13 35 0 10 0 80 0 89 0 10 0 0 0 95 0 20 0 40	10 0 1 0 5 0	20	- 500 - - 4800 - - 3000 - - 1500 -	0.5 3 - 3 - 5 - 5 - 1 - 2 - 1
T2 Belata T5 Davota	1 T2 Hi 2 T2 H2 3 T2 H3 4 T5 H1 5 T5 H2 6 T5 H3	X X X X X X X X X X X X X X X X X X X	4 6 5 6	0 0 0 0 0 0 0 0 0 0	0 11 13 35 0 10 0 80 0 89 0 10 0 0 0 95 0 20 0 40 0 0 0 90 0 0 0 90	10 0 1 0 5 0 40 0 10 0	20 200 100	- 500 · 4800 · 9000 · 1500 · - 2200 · - 200 · -	0.5 - 3 2 - 5 1 - 2 - 4
T2 Balata	1 T 2 H 1 2 T 2 H 2 3 T 2 H 3 4 T 5 H 1 5 T 5 H 2 6 T 5 H 3 7 T 6 H 1	X X X X X X X X X X X X X X X X X X X	4 6 5 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 13 33 0 10 0 80 0 89 0 10 0 0 0 95 0 20 0 40 0 0 0 90 0 0 0 90 0 0 0 90 0 0 0 90	10 0 1 0 5 0 40 0	20 200 100	- 500 - 4800 - 3000 - 1500 - 2800 -	0.5 3 - 2 - 5 ·
T2 Belata T5 Devote T6 Drumssi	1 T 2 H 1 2 T 2 H 2 3 T 2 H 3 4 T 5 H 1 5 T 5 H 2 6 T 5 H 3 7 T 6 H 1 8 T 6 H 2 9 T 6 H 3	X X X X X X X X X X X X X X X X X X X	4 6 5 6 12 15 6 6 12	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 10 0 80 0 0 99 0 10 0 0 0 95 0 20 0 40 0 0 0 90 0 0 0 50 0 0 0 50 0 0 0 50	10 0 1 0 5 0 0 10 0 0 0 0 0 0	20 200 100	- 500 - 4800 - 3000 - 1500 - 2800 - 2000 - 10000 - 250 - 3000 - 3	0.5
T2 Belata T5 Davota	1 T 2 Hi 2 T 2 Hi 3 T 2 H3 4 T 5 Hi 5 T 5 H3 6 T 5 H3 7 T 6 Hi 8 T 6 H3	X	4 6 5 6 12 15 5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 13 35 0 10 0 80 0 89 0 10 0 0 0 95 0 10 0 0 0 95 0 0 0 0 0 0 90 0 0 0 50 0 0 0 50 0 0 0 50 0 0 0 50 0 0 0 50	10 0 1 0 5 0 40 0 10 0 40 0 50 0	20 200 100	- 500 - 4800 - 3000 - 1500 - 2200 - 10000 -	0.5 - 3 2 - 5 1 - 2 - 4 - 1.5
T2 Relate T5 Devote T6 Drumssi T11 Korovou Settlement	1 T 2 H1 2 T 2 H2 3 T 2 H3 4 T 5 H1 5 T 5 H2 6 T 5 H3 7 T 6 H1 8 T 6 H2 9 T 6 H3 10 T 11 H1 11 T 11 H2	7. X X X X X X X X X X X X X X X X X X X	4 6 5 6 12 15 6 6 12 5 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 89 0 10 0 0 95 0 20 0 40 0 0 0 95 0 0 0 50 0 0 0 50 0 0 0 50 0 0 0 95 0 0 0 75	10 0 1 0 5 0 10 0 0 10 0 0 0 0 0 0 0 0 0	20 200 100	- 500 - 4800 - 3000 - 1500 - 2000 - 250 - 250 - 3000 - 4000 - 4000 - 4000 - 4000 - 4000 - 500 -	05 - 3
T2 Balata T5 Devota T6 Drumssi T11 Korovou	1 T 2 H1 2 T 2 H2 5 T 2 H3 4 T 5 H1 5 T 5 H3 7 T 6 H1 8 T 6 H2 9 T 6 H3 10 T 11 H2 11 T 11 H2 12 T 11 H3 13 T 12 H2	X X X X X X X X X X X X X X X X X X X	4 6 5 6 12 15 6 8 8 8 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 89 0 10 0 0 0 95 0 20 0 40 0 0 0 95	10 0 1 0 5 0 0 10 0 0 0 0 0 0 0 0 0 0 0	20 200 100	- 500 - 4800 - 3000 - 1500 - 2000 - 2000 - 10000 - 250 - 3000 - 4	0.5
T2 Relate T5 Devote T6 Drumssi T11 Korovou Scalkement T12 Korovou Village	1 T 2 III 2 T 2 III 3 T 2 II3 4 T 5 III 6 T 5 II2 6 T 5 II3 7 T 6 III 9 T 6 II2 9 T 6 II3 10 T II II II 11 T II II II 12 I I I I I I I I I I I I I I I I I I I	X X X X X X X X X X X X X X X X X X X	4 6 5 6 12 15 6 6 12 5 6 8 8 8 3 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 89 0 10 0 0 0 95 0 0 0 96 0 0 0 96 0 0 0 96 0 0 0 95	10 0 1 0 0 1 0 0 10 0 0 10 0 0 0 0 0 0	200 200	- 500 - 4800 - 3000 - 1500 - 2200 - 10000 - 250 - 3000 - 4000 - 4000 - 3200 - 3200 - 3200 - 3200 - 3200 - 3200 - 3200 - 3200 - 3200 - 3200 - 3200 - 3200 - 3200 - 3200 - 3200 - 3200 - 3200 - 3000 - 3200 - 3000 - 3200 - 3000 - 3200 - 3000 - 3	0.5 . 3
T2 Relate T5 Devote T6 Drumssi T11 Korovoo Settlement T12 Korovoo Village	1 T 2 H1 2 T 2 H1 2 T 2 H3 4 T 5 H1 6 T 5 H2 6 T 5 H3 7 T 6 H1 8 T 6 H1 9 T 6 H1 10 T 11 H1 11 T 11 H2 12 T 11 H3 13 T 12 H1 14 T 12 H2 16 T 13 H1	X X X X X X X X X X X X X X X X X X X	4 6 5 6 12 15 6 6 12 15 6 8 8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 89 0 10 0 0 99 0 10 0 0 0 95 0 0 0 95 0 0 0 90 0 0 0 90 0 0 0 90 0 0 0 95 0 0 0 95 0 0 0 95 0 0 0 95 0 0 0 95 0 0 0 75	10 0 1 0 5 0 10 0 10 0 10 0 10 0 5 0 10 0 5 0 10 0 25 0 25 0 20 0	200 2000	- 500 - 4800 - 3000 - 1500 - 2200 - 200 - 250 - 250 - 250 - 3000 - 4000 - 4000 - 3200	0.5
T2 Relate T5 Devote T6 Drumssi T11 Korovou Scalkement T12 Korovou Village	1 T 2 H1 2 T 2 H1 2 T 2 H3 4 T 5 H1 5 T 5 H2 6 T 5 H3 7 T 6 H1 8 T 6 H3 9 T 6 H3 10 T 11 H1 11 T 11 H2 12 T 11 H3 13 T 12 H2 14 T 12 H2 15 T 12 H3 16 T 13 H1 16 T 13 H1 17 T 13 H2 18 T 13 H2 18 T 13 H2	X X X X X X X X X X X X X X X X X X X	4 6 5 6 12 15 6 6 12 5 6 8 8 3 6 7	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 89 0 10 0 0 99 0 10 0 0 0 95 0 0 0 90 0 0 0 95 0 0 0 95 0 0 0 95 0 0 0 95 0 0 0 75 0 0 0 0 75 0 0 0 0 75 0 0 0 0 0 00 0 0 0 0 0 00 0 0 0 0 0	10 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20 200 100	- 500 - 4800 - 3000 - 1500 - 2200 - 200 - 250 - 250 - 250 - 3000 - 4000 - 4000 - 3200	0.5
T2 Relate T5 Devote T6 Drumsi T11 Korovou Settlement T12 Korovou Village T13 Kukusirewa	1 T 2 III 2 T 2 III 2 T 2 II 3 3 T 2 II 3 4 T 5 II 1 5 T 5 II 2 6 T 5 II 3 7 T 6 III 5 9 T 6 II 3 9 T 6 II 3 10 T II I II 1 11 T II I I 2 12 T II I II 3 13 T I 2 II 1 14 T I 2 II 2 14 T I 2 II 3 14 T I 2 II 3 15 T I 3 II 3 16 T I 3 II 3 17 T 3 II 3 18 T I 3 II 3 19 T I 4 II 3 20 T I 4 II 2 20 T I 4 II 2	X X X X X X X X X X X X X X X X X X X	4 6 5 6 12 15 6 12 5 6 8 8 8 3 6 7 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 89 0 10 0 0 99 0 10 0 0 0 95 0 0 0 96 0 0 0 96 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 0 95 0 0 0 0 0 0 0 00 0 0 0 0 0 00 0 0 0 0 0 00 0 0 0 0 0 00 0 0 0 0 0 00 0 0 0 0 00 0 0 0 0 00 0 0 0 0 00 0 0 0 00 0 0 0 00 0 0 0 00 0 0 0 00 0 0 0 00 0 0 0 00 0 0 00	10 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20 200 100 100 - - - - - - - - - - - - - - -	- 500 - 4800 - 3000 - 1500 - 2200 - 200 - 250 - 250 - 250 - 3000 - 4000 - 4000 - 3200	0.5
T2 Relate T5 Devote T6 Drumsi T11 Korovou Settlement T12 Korovou Village T13 Kukusirewa	1 T 2 III 2 T 2 III 2 T 2 II3 3 T 2 II3 4 T 5 III 6 T 5 II3 6 T 6 II3 9 T 6 II3 9 T 6 II3 10 T II II II 11 T II II II II 12 T II II II II 14 T 12 II II 15 T 12 II 16 T 13 II II II 17 T 13 II II 18 T 13 II II II II 19 T 14 II	X X X X X X X X X X X X X X X X X X X	4 6 5 6 12 15 6 6 7 8 8 8 3 6 7 2 2 5 18 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 39 0 10 0 0 99 0 10 0 0 0 95 0 0 0 90 0 0 0 90 0 0 0 90 0 0 0 95 0 0 0 95 0 0 0 95 0 0 0 95 0 0 0 95 0 0 0 95 0 0 0 95 0 0 0 75 0 0 0 75 0 0 0 70 0 0 0 0	10 0 1 0 0 10 0 0 10 0 0 0 0 0 0 0 0 0	20 200 100	- 500 - 4800 - 3000 - 3000 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 300	0.5 . 3
T2 Relate T5 Devote T6 Drumsei T11 Korovou Scalkement T12 Korovou Villege T13 Kubunirewa T14 Louse T15 Lubohibu	1 T 2 H1 2 T 2 H1 2 T 2 H2 3 T 2 H3 4 T 5 H1 6 T 5 H2 6 T 5 H3 7 T 6 H1 8 T 6 H1 1 T 1 H1 11 T 11 H2 12 T 11 H3 13 T 12 H2 14 T 12 H2 15 T 13 H2 16 T 13 H2 16 T 13 H2 17 T 14 H1 10 T 11 H1 10 T 11 H1 11 T 11 H2 12 T 11 H3 13 T 12 H2 14 T 12 H2 15 T 13 H3 16 T 13 H3 17 T 13 H2 18 T 13 H3 19 T 14 H1 20 T 14 H1 20 T 14 H1 20 T 14 H1 20 T 15 H3 21 T 15 H3	X X X X X X X X X X X X X X X X X X X	4 6 5 6 16 16 16 16 16 16 16 16 16 16 16 16 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 89 0 10 0 0 99 0 10 0 0 0 90 0 0 0 90 0 0 0 90 0 0 0 95 0 0 0 95 0 0 0 95 0 0 0 75 0 0 0 0 0 00 0 0 0 0 0 00 0 0 0 0 0	10 0 1 0 0 10 0 0 10 0 0 0 0 0 0 0 0 0	20 200 100 100 5 20 3000 400 500	- 500 - 4600 - 3000 - 1500 - 2500 - 2500 - 2500 - 2500 - 2500 - 2500 - 2500 - 2500 - 2500 - 2500 - 3200 - 3200 - 3200 - 3000 - 3	0.5 . 3
T2 Relate T5 Devote T6 Drumssi T11 Korovou Settlement T12 Korovou Village T13 Kukunirews T14 Louse	1 T 2 III 2 T 2 III 2 T 2 III 3 T 2 III 3 T 2 III 3 T 2 III 3 T 2 II 3 T 3 II 3 II	X X X X X X X X X X X X X X X X X X X	4 6 5 5 6 12 15 6 6 12 5 6 8 8 8 7 2 2 18 6 7	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 89 0 10 0 0 0 95 0 20 0 40 0 0 0 90 0 0 0 90 0 0 0 90 0 0 0 90 0 0 0 90 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 0 95 0 0 0 0 0 95 0 0 0 0 0 95 0 0 0 0 0 95 0 0 0 0 0 95 0 0 0 0 0 0 95	10 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	20 200 100 100 5 20 3000 400 500	- 500 - 4800 - 5000 - 5	0.5 . 3
T2 Relate T5 Devote T6 Drumssi T11 Korovou Scallement T12 Korovou Village T13 Kutunirews T14 Louss T15 Lubulubu T16 Malele	1 T 2 III 2 T 2 III 2 T 2 III 2 T 2 II3 4 T 5 III 4 T 5 III 5 T 5 II2 6 T 5 II3 7 T 6 III 7 T 6 III 9 T 6 II3 9 T 6 II3 10 T 11 III 11 T 11 II II 12 T 11 II II 13 T 12 III 14 T 12 II 14 T 12 II 15 T 12 II 16 T 13 II 17 T 13 II 18 T 13 II 19 T 14 II 22 T 15 II 22 T 15 II 22 T 15 II 22 T 15 II 23 T 16 II 24 T 15 II3 25 T 16 II 26 T 16 II 26 T 16 II 27 T 16 II 26 T 16 II 27 T 16 III 27 T 16 II 28 T 16 II 27 T 16 II 28	X X X X X X X X X X X X X X X X X X X	4 6 5 6 12 15 5 6 7 2 5 18 6 7 7 4 6 7 7 4 6 6 7 7 7 8 7 7 8 7 8 7 8 8 8 8 8 8 8 8 8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 89 0 10 0 0 0 95 0 20 0 40 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 0 95 0 0 0 0 0 95 0 0 0 0 0 95 0 0 0 0 0 0 95 0 0 0 0 0 0 0 95 0 0 0 0 0 0 0 0 95 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 0 1 0 0 10 0 0 10 0 0 0 0 0 0 0 0 0	20 200	- 500 - 4800 - 5000 - 1500 - 2500 - 2500 - 5000 - 5000 - 5000 - 2500 - 50000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 500000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 5	0.5
T2 Relate T5 Devote T6 Drumsei T11 Korovou Scalkement T12 Korovou Villege T13 Kubunirewa T14 Louse T15 Lubohibu	1 T 2 H1 2 T 2 H1 2 T 2 H3 4 T 5 H1 6 T 5 H3 6 T 5 H3 7 T 6 H1 8 T 6 H3 9 T 6 H3 10 T 11 H1 11 T 11 H3 13 T 12 H3 14 T 12 H3 15 T 12 H3 16 T 13 H3 16 T 13 H3 16 T 13 H3 16 T 13 H3 17 T 14 H1 20 T 15 H2 21 T 15 H1 22 T 15 H2 24 T 15 H3 25 T 16 H3 25 T 16 H3 25 T 16 H3 25 T 16 H3 27 T 16 H3	X X X X X X X X X X X X X X X X X X X	4 6 5 6 12 15 6 12 15 6 8 8 8 3 6 7 7 2 2 5 5 6 12 12 15 6 6 12 15 16 16 16 16 16 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 10 0 80 10 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	20 200 100 100 500 400 500 200	- 500 - 4600 - 5000 - 1500 - 2600 - 2600 - 2500 - 2	0.5
T2 Relate T5 Devote T6 Drumssi T11 Korovou Settlement T12 Korovou Village T13 Kukunirews T14 Louse T15 Lubulubu T16 Malele T17 Masqere	1 T 2 III 2 T 2 III 2 T 2 III 2 T 3 T 2 III 3 T 2 III 3 T 3 T 2 II 3 T 3 T 2 II 3 T 3 T 3 T 3 II 3 II	X X X X X X X X X X X X X X X X X X X	4 4 6 6 5 12 15 15 6 6 12 2 5 5 6 8 8 6 7 7 2 2 5 18 6 6 16 16 16 15 5 5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 89 0 10 0 0 95 0 10 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 0 95 0 0 0 0 0 95 0 0 0 0 0 95 0 0 0 0 0 0 95 0 0 0 0 0 0 95 0 0 0 0 0 0 95 0 0 0 0 0 0 95 0 0 0 0 0 0 0 95 0 0 0 0 0 0 0 95 0 0 0 0 0 0 0 95 0 0 0 0 0 0 0 0 95 0 0 0 0 0 0 0 0 0 95 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20 200	- 500 - 4800 - 5000 - 1500 - 2500 - 2500 - 5000 - 5000 - 5000 - 2500 - 50000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 500000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 5	0.5
T2 Relate T5 Devote T6 Drumssi T11 Korovou Scallement T12 Korovou Village T13 Kutunirews T14 Louss T15 Lubulubu T16 Malele	1 T 2 H1 2 T 2 H1 2 T 2 H3 4 T 5 H1 6 T 5 H3 6 T 5 H3 6 T 6 H1 7 T 6 H1 1 T 6 H1 1 T 1 H1 1 T 1 H 1 1 T 1 1 T 1 H 1 1 T 1 1 T 1 H 1 1 T 1 1 T 1 H 1 1 T 1 H 1 1 T 1 H 1 1 T 1 H 1 1 T 1 H 1 1 T 1 H 1 1 T 1 H 1 1 T 1 H 1 1 T 1 H 1 1 T 1 H 1 1 T 1 H 1 1 T 1 H 1 1 T 1 H	X X X X X X X X X X X X X X X X X X X	4 4 6 5 5 5 6 6 122 5 5 6 8 8 8 5 7 2 2 5 18 6 7 7 4 6 6 16 16 16 16 16 16 16 16 16 16 16 16	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 89 0 10 0 0 99 0 10 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20 200 100 100 500 400 500 200	- 500 - 4800 - 5000 - 1500 - 2500 - 2500 - 5000 - 5000 - 5000 - 2500 - 50000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 500000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 50000 - 5	0.5 . 3
T2 Relate T5 Devote T6 Drumssi T11 Korovou Settlement T12 Korovou Village T13 Kukunirewa T14 Lousa T15 Lubuhbu T16 Malele T17 Maqees	1 T 2 H1 2 T 2 H1 2 T 2 H2 3 T 2 H3 4 T 5 H1 5 T 5 H2 6 T 5 H3 6 T 6 H1 8 T 6 H1 1 T 1 H1 11 T 11 H2 13 T 12 H3 14 T 12 H2 15 T 10 H1 16 T 13 H2 16 T 13 H2 17 T 14 H1 20 T 14 H3 20 T 15 H2 20 T 16 H3 20 T 17 H1 20 T 18 H1	X X X X X X X X X X X X X X X X X X X	4 4 6 5 5 6 6 122 5 5 6 6 8 8 8 3 3 6 6 7 2 2 5 5 18 6 6 16 16 16 14 5 7 7 7 10 10 18	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 10 0 80 10 0 0 0 0 0 0 0 0 0 0	10 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20 200 1000 1000 500 4400 500 200 2400	- 500 - 4600 - 2000 - 1500 - 2500 - 2000 - 2000 - 2000 - 2000 - 2500 - 2	0.5
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T2 Relate T5 Devote T6 Drumssi T11 Korovou Settlement T12 Korovou Settlement T13 Kukunirewa T14 Louse T15 Lubulubu T16 Malele T17 Masqore T18 Matalevu T19 Matanigata T25 Natawa T26 Natolevu T29 Quiels T30 Rakavidi T34 Vatia	1 T 2 III 2 T 2 III 2 T 2 III 2 T 2 III 3 T 2 III 4 T 5 III 5 T 5 III 6 T 5 III 6 T 6 III 7 T 6 III 8 T 6 III 9 T 6 III 10 T 11 III 11 T 11 III 12 III 13 T 12 III 14 T 13 III 15 T 13 III 16 T 13 III 17 T 13 III 18 T 13 III 19 T 14 III 18 T 13 III 19 T 14 III 19 T 17 III 19 T 18 III 19 T 18 III 19 T 19 III	X X X X X X X X X X X X X X X X X X X	4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 89 0 10 0 0 99 0 10 0 0 0 95 0 0 0 0 95 0 0 0 0 95 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	200 200 1000 200 200 200 2400 2400 2400	- 500 - 4600 - 2000 - 2	0.5
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T2 Relate T5 Devote T6 Drumssi T11 Korovou Settlement T12 Korovou Village T13 Kubusirewa T14 Louse T15 Lubulubu T16 Malele T17 Maqees T18 Manalevu T19 Matanigata T25 Natawa T25 Natawa T26 Natolevu T29 Qeleis T30 Rakavidi T34 Vatia	1 T 2 H1 2 T 2 H1 2 T 2 H2 3 T 2 H3 4 T 5 H1 6 T 5 H3 6 T 5 H3 6 T 6 H3 7 T 6 H1 1 T 1 H1 11 T 11 H2 13 T 12 H3 14 T 12 H2 15 T 16 H3 15 T 6 H3 16 T 6 H3 17 T 6 H3 18 T 13 H3 17 T 12 H2 18 T 13 H3 17 T 12 H2 18 T 13 H3 17 T 12 H2 18 T 13 H3 18 T 13 H3 18 T 13 H3 19 T 14 H1 20 T 14 H3 20 T 14 H3 20 T 15 H3 21 T 16 H3 22 T 15 H3 23 T 18 H3 24 T 17 H1 25 T 17 H1 26 T 17 H1 27 T 18 H3 28 T 17 H1 29 T 17 H1 29 T 17 H1 20 T 18 H2 21 T 18 H3 22 T 15 H3 23 T 18 H3 24 T 19 H1 25 T 18 H3 26 T 19 H3 27 T 18 H3 27 T 18 H3 28 T 17 H1 29 T 17 H1 29 T 17 H1 20 T 18 H2 20 T 18 H2 21 T 18 H3 24 T 19 H1 25 T 18 H3 26 T 19 H3 27 T 18 H3 27 T 18 H3 28 T 17 H1 29 T 17 H1 20 T 18 H1 20 T 18 H1 21 T 18 H2 21 T 18 H3 24 T 19 H1 25 T 19 H3 26 T 19 H3 27 T 28 H3 28 T 19 H1 29 T 19 H3 20 T 19 H3 2	X X X X X X X X X X X X X X X X X X X	4 6 6 12 15 6 12 15 6 16 18 8 8 16 16 16 16 16 16 18 18 18 18 18 18 18 18 18 18	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 11 11 35 0 10 0 80 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	200 200 100 200 200 200 200 60 60 60 60 60 60 60 60 60 60 60 60 6	- 500 - 4600 - 2	0.5

Table E-2.8 WATER SUPPLY SOURCES, DISTANCE TO WATER SOURCES AND HOURS SPENT FETCHING WATER PER HOUSEHOLD (DRY SEASON) (2)

	Name of	Name of		Family Size		es used (%)				. 7		istance to	_]	H	ours sp	-CEX		
'	Province Tiking/Communit	No. hold	Race P 1 O	Size (perons)		C.S. R.T.		1.W.R.C.S.	. 8	o.s.		Sources (mc	(20)	for les	ching Y	C.S.	0.5.	To
T42	Nesomo	58 T42 H1	1 1 0	6	0	30 0		0 70	~~~~	0		- 1600	V.3.	D. W.	-	3.5		
	Village	59 T42 H2		20	0	0 0		0 50	O	50	•.	- 3200 1	3000	- 1		5.	7	1
		60 T42 H3	×	2	. 0	50 0		0 40	10	0		800		- 1	-	3		
T4 3	Tokolos	61 T43 H1		6	0	0 0		48 48	0	. 0		5 1600	-	-	0.1	3.5	-	3
		62 T43 H2 63 T43 H3	ļ	16	0	0 0		0 95	- 5	0	. 1	1600				4 2.5	7	٠-,
T44	Maketu	64 T44 H1	1	3		. 0 0		0 64	36	. 0		- 200		<u>-</u> -	:	1.3	• :	3
		65 T44 H2	X	6	Ö	o o		0 0	100	ō					- 1	:		•-
		66 T44 H3	X	7	0.	0 0		0 64	36	0	٠.	- 200	-			1.5	-	
T45	Garampani	67 T45 H1		13	0	0 0		0 50	0	0	200	- 4800	-	1		. 2		_
		68 T45 H2		. 10	. 0	00		. 0 80	. 0	. 0	700	- 2800		1	٠	4		
T46	Lololevu	69 T45 H3 70 T46 H1	×	15	0	0 0		0 65 0 80	20	0	2800	- 2800 - 3200		2	•	3.5	•	
140	LORDRYU	71 T46 H2			0			0 80	20	. 0		- 3200	- 1		•	4.5 4.5		
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Note: F: Fijlans 1: Indians O: Other pe

R.S.: Regional Water Supply System C.S.: Communel Water Supply System R.T.: Roof Tank D.W.: Dug Well

T.W.: Tube Well
R.C.: River and Creek
S: Spring Water
E: Emergency Water
O.S.: Over Water Sources

Table E-2.9 AVERAGE WATER COST AND WILLINGNESS TO PAY OF EACH HOUSEHOLD (1)

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